2024-2025 Academic Catalog

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University of Wisconsin Parkside

UNIVERSITY OF WISCONSIN PARKSIDE

900 Wood Rd, Kenosha, WI 53144
uwp.edu/catalog

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CATALOG HOME

About this Catalog

The UW-Parkside online catalog represents the most accurate reflection of curricula and policies available up to the time of publication. Changes that occur after the publication date will be included in the next catalog.

All students matriculating at the university follow the guidelines and academic requirements espoused by this document, unless they are interrupted by time away from the institution. It is important for you to understand curricular requirements, institutional policies and procedures. Advisors are available to help you understand these requirements. Any curriculum changes will be reflected in your advisement report, which makes it the most up to date source of information.

As a reminder, this catalog is not a contract, but represents announcements of general information, general academic regulations and the university's academic programs at the date of publication.

Individual sections/pages can be printed to PDF if needed. A PDF of the whole catalog will be available in the print icon once initial reviews are done. At times the previous catalog may be what is available in the print icon.

Questions concerning the catalog may be directed to your advisor, departmental offices or the Registrar's Office.

INTRODUCTION

Welcome to the University of Wisconsin-Parkside. This catalog contains information about the university, admissions standards, academic programs and policies, student services, programs of study, and course listings. The catalog is a reference for general degree requirements, detailing the course work needed to complete a declared field of study. The catalog is a public record of general university requirements.

The University

Founded in 1968, UW-Parkside graduated its first students in 1970. One of 13 baccalaureate degree-granting campuses in the University of Wisconsin System, UW-Parkside is accredited by the

Higher Learning Commission
30 North La Salle Street Suite 2400
Chicago, IL 60602-2504

and is a member of the North Central Association.

The accounting, business management, management information systems, marketing, and master of business administration degree programs are accredited by AACSB International – the Association to Advance Collegiate Schools of Business.

The chemistry program is approved by the American Chemical Society. The health information management and technology program is accredited by the Commission on Accreditation for Health Informatics and Information Management Education (CAHIIM). The molecular biology and bioinformatics program is accredited by the American Society for Biochemistry and Molecular Biology (ASBMB).

Student Success

Undergraduate students choose majors in the College of Arts and Humanities; the College of Business, Economics, and Computing; the College of Natural and Health Sciences; and the College of Social Sciences and Professional Studies and work toward a bachelor of arts, bachelor of science, associate of arts, associate of science, or associate of arts and sciences degree. See the Programs section of this catalog for a full list of programs offered.

Graduate students choose from the following programs (many of which are offered online):

- Master of Science in Applied Biotechnology
- Master of Arts in Applied Professional Studies
- Master of Business Administration
- Master of Science in Biological Sciences
- Master of Science in Clinical Mental Health Counseling
- Master of Science in Computer and Information Systems
- Master of Science in Cybersecurity
- Master of Science in Health and Wellness Management
- Master of Science in Healthcare Administration
- Master of Science in Information Technology Management
- Master of Arts in Professional Communication
- Master of Science in Sport Management
- Master of Science in Sustainable Management

Academic Excellence

The university's best and most senior faculty teach all levels of undergraduate courses. Many programs including biological sciences, business, pre-health, psychology, and theatre arts have earned national reputations. Most class sizes are small, ensuring greater student-faculty interaction. Numerous students work one-on-one with talented faculty in their research, an opportunity that many universities restrict to graduate students.

Community and Business Engagement

The Alan E. Guskin Community and Business Engagement (CBE) promotes extended learning opportunities by connecting university resources with the communities of southeastern Wisconsin and northeastern Illinois through innovative, mutual partnerships. The university's front door for community engagement, CBE focuses on mobilizing the talent of students, faculty, staff and volunteers in several key areas: community-based learning and research, internships, and nonprofit capacity building and community leadership. UW-Parkside plays a vital role in enriching the quality of life of the communities in southeastern Wisconsin. Likewise, students benefit from attaining civic engagement and employment skills through participation in diverse opportunities with the business, public and nonprofit sectors. UW-Parkside was the first university in Wisconsin to be recognized by the Carnegie Foundation as a Community Engaged Institution in 2006 and renewed this classification in 2015.

Professional and Continuing Education

Professional and Continuing Education at UW-Parkside provides lifelong learning opportunities by offering high quality professional skills development, certificates and certifications, conferences, and personal enrichment workshops. Learning is a lifelong process, and the aim is to provide our communities with a diverse selection of topics and learning forums to fit ever-changing lifestyle needs. Continuing Education provides market-relevant educational offerings that match the needs of regional professionals as well as programs that help to prepare youth for future careers.

Diversity and Inclusion

In accordance with the UW System's central principle of inclusive excellence, UW-Parkside intentionally integrates diversity and inclusion efforts in the core aspects of the university such as academic priorities, leadership, quality-improvement initiatives, decision making, day-to-day operations, and organizational culture in order to maximize success.

With an explicit emphasis on excellence in student learning, the university is committed to creating diverse learning environments that are critical to students' growth, learning, and success. Courses related to intercultural, international, social justice, and diversity topics are offered across academic programs, and students graduating from UW-Parkside must complete an ethnic diversity requirement. Further, programs in ethnic studies, international studies, and women's studies are offered to assist in preparing students for leadership in an ever-increasingly diverse and global society.

UW-Parkside is extremely proud to be the most diverse campus in the UW System and has established itself as a leader in employing a workforce that reflects a broad spectrum of race, ethnicity, ability, national origin, gender, gender identity, sexual orientation, religion, age, and other affiliations.

The University Vision and Mission

Vision

The University of Wisconsin-Parkside transforms lives.

Mission

The University of Wisconsin-Parkside is committed to high-quality educational programs, creative and scholarly activities, and services responsive to its diverse student population, and its local, national and global communities. To fulfill this mission, the University of Wisconsin-Parkside will:

- Offer high-quality academic programs rooted in the tradition of a liberal education in the arts, sciences and professions, responsive to the occupational, civic and cultural needs of the region, and actively seek the continued input of all stakeholders.
- Generate, disseminate and apply knowledge through research, professional and creative activity that benefits communities throughout the region and the world.
- Attract and retain a diverse and multicultural population of students, faculty, and staff.
- Foster a teaching and learning community that provides opportunities for collaborative faculty, student, and staff interaction in support of excellence.
- Utilize technology creatively and effectively in courses, programs, and services.
- Prepare students to be successful in their professional, civic, and personal lives.
- Provide programs that meet the intellectual and cultural needs of people throughout their lives.
- Provide and share in cultural and intellectual activities in partnership with our local and regional communities.

The University Campus

A model of contemporary campus planning and design, UW-Parkside is situated on nearly 700 acres of woodlands and prairies in the town of Somers, between Kenosha and Racine in the southeastern corner of the state. Glass-walled corridors connect the main academic buildings and provide views of the scenic landscape that surrounds the picturesque campus.

Greenquist Hall

Greenquist Hall houses faculty offices, laboratories and classrooms. Sophisticated computer capabilities and state-of-the-art science equipment provide students with relevant, hands-on learning opportunities. One such space is the SC Johnson Integrated Science Lab which provides a broad range of analytical instruments indispensable for research, development, and quality control in a variety of fields. The building is named for Kenneth L. Greenquist, former Racine attorney and civic leader who, at the time of his death in 1968, served as president of the UW Board of Regents.

Molinaro Hall

Molinaro Hall is named for the late George Molinaro, longtime Kenosha civic leader and state representative who introduced legislation in 1965 to establish UW-Parkside. The building houses faculty offices, classrooms, and labs. It is also home to the Institute of Professional Educator Development; the Ralph Jaeschke Solutions for Economic Growth Center; the Small Business Development Center; the App Factory; and the University of Wisconsin-Parkside Sales Center. Additionally, as part of the Rita Tallent Picken Regional Center for Arts and Humanities expansion project, more than 6,000 square feet of space was remodeled for ceramics and sculpture art studios.

Rita Tallent Picken Regional Center for Arts and Humanities

The Rita Tallent Picken Regional Center for Arts and Humanities, known as The Rita, is a combination of new and existing space. A major expansion and remodeling project added more than 72,000 square feet to the original 107,000 square-foot Communication Arts Building. The Rita features:

- The 340 seat Frances E. Bedford Concert Hall;
- A 120 seat “black box” studio theatre for smaller theatre productions;
- Galleries for both professional and student art exhibitions;
- Instructional studios for music, theatre arts and 2-D art programs;
- Digital Design and Fabrication Lab; and
- Expanded and upgraded general classrooms.

Tallent Hall

Named for the late Bernard Tallent, dean of the former UW Center in Kenosha, Tallent Hall houses Business Services, Human Resources, the
UW-Parkside Police and Public Safety Department, Center for Adult and Returning Students, Professional and Continuing Education, and the UW-Parkside/UW-Milwaukee Consortial Nursing Program.

Wyllie Hall

The building is named for the late Irvin G. Wyllie, the university’s founding chancellor, who guided the new university through construction and its early years. Its striking three-story atrium design has attracted national acclaim and is home to key administrative offices, including the Chancellor’s Office, overlooking the atrium.

In addition, Wyllie Hall houses the Callahan Family Student Success and Learning Commons. This newly renovated space provides easy access to academic and career advising, academic support and success coaching, affinity group support (international, LGTBQ+, military and veterans, multicultural students), community and business engagement opportunities and registration and financial services.

Main Place, a multi-level area in the atrium, features study and meeting areas and an entrance to the Library. Through a comprehensive and current resource collection combined with innovative services, the Library promotes and supports study and research among university and community users. Librarians serve as liaisons to academic departments and offer tailored library instruction in classes as well as individual research consultation. Multifaceted modes of reference make librarians available across boundaries of time and distance.

Sports & Activity Center

The Sports & Activity Center includes an indoor track and space for competition, practices and training in the Frank J. Petretti Fieldhouse. The Wellness Center and the Exercise Science Lab in Carmelo D. Tenuta Hall include state-of-the-art fitness equipment. The Alfred S. and Bernice De Simone Gymnasium has a seating capacity of 2,200 and is used for athletic events and commencement. The Sports & Activity Center also features a remodeled Strength and Conditioning Center.

Outdoors is an all-weather 400-meter track, the Wood Road soccer fields, the Red Oberbruner Baseball Field, and the Case Softball Complex. The

Wayne E. Dannehl National Cross Country Course, considered the finest natural course in the nation, is the site of many championship events.

Student Center

The name "Student Center" describes what the building is all about. It's a great place to eat, relax, hang out or grab a latte. But it's also the place where you'll find the University Bookstore, Admissions and New Student Services, the Student Engagement and Connection Office, the Student Involvement Center, Parkside Student Government, Educator's Credit Union, and meeting rooms for student clubs and organizations.

The Student Center Cinema features first-run movies and the popular Foreign Film Series. The Den is where the action is with live entertainment, dances, concerts, pool tables and video games. And it's the spot for a great late-night pizza.

The Brickstone Grill and Eatery has the widest variety of food selections. For fresh-from-the-oven gourmet pizza – try the Fiery Hearth. Other stations include Café Creations, Down Home, Sizzles, and the Breadbox. Whether it's home cooking... salads ... burgers ... or just a snack, "The Brick" is the place. Encore proudly brews Starbucks® coffees and offers a variety of specialty drinks ... espresso, cappuccino, café mocha, café latte... it's also a great spot for bakery treats and grab-and-go items. Both Brickstone and Encore are located on the D1 level of the Student Center.

Student Health & Counseling Center

The Student Health & Counseling Center provides basic quality care for the physical, emotional, and mental-health care needs of the students. This is accomplished by providing comprehensive intervention and preventive health education that contributes to the achievement of academic success. The center is staffed by counselors, nurse practitioners, certified alcohol and other drug counselors, a consulting psychiatrist, and collaborating physician. There is no charge for counseling sessions or health care visits, however, minimal fees are charged for lab tests, immunizations, medication, and supplies. Walk-in times are available, but appointments for counseling services and selected health visits are needed. The center is located in the building adjacent to Tallent Hall.

The Library

The Library provides a comfortable, user-centered environment, responsive to varied study styles of individuals and groups with laptops and tablets available for check-out. An "Art in the Library" program showcases artwork by members of the university community.

The Library delivers access to resources in many formats: print monographs, an extensive collection of citation and full-text databases, scholarly journals, e-books, music and films. To provide materials beyond its collection, the Library actively participates in resource sharing in the UW System and with many regional and national libraries.

Special Collections comprise rare books, dating from 1638, first editions, artist books, collections of works by noted local authors and presses, small press collections, and a strong collection of popular science fiction.

Administered by the Library, the University Archives preserves university records of historical or administrative importance, as well as manuscript collections relevant to the university or local area for use by students or any member of the university or local community.

The Area Research Center, a repository of the Wisconsin Historical Society, forms part of a network of 14 centers in the state that share primary historical resources. It holds public records and manuscript collections of Racine and Kenosha counties, and manuscript collections featuring private records, correspondence and papers from people, organizations and businesses. Collections include the federal and state censuses of Wisconsin and pre-1907 vital records from Kenosha and Racine counties.

The Tech bar

Located across from the Library on the L1 Corridor, the Tech bar (L101) provides support for technology –related issues such as virus and malware detection and removal, Wi-Fi connectivity, software issues, and computer replacement. Additionally, the audio-visual technicians are responsible for audio, visual and computer equipment checkout for classroom use, and installing and maintaining equipment located in lecture halls and classrooms.

Student Accessibility Services

Student Accessibility Services, located in Wyllie Hall, provides academic adjustments to students such as extended time on tests, testing in a separate area, supplemental note takers, braille and interpreter services. We collaborate with students, instructors and staff to create usable, equitable, inclusive, and sustainable learning environments.

University Housing

College is about more than just what happens in the classroom. Living on campus is the best way to have all that UW-Parkside offers right at your fingertips. We know it's important that you're comfortable where you live, so our residents can choose from three types of living environments: traditional, suite style, and apartment. Student rooms in all three residential communities are equipped with wireless technology and are fully air-conditioned.

Opened in 1986, the University Apartments house approximately 370 upper-class student residents. The University Apartments consists of seven buildings. Each building contains 6-10 four-bedroom apartments. Each apartment houses up to 6 students, including two single-rooms and two double occupancy rooms. Each apartment has a full kitchen, furnished living room area, and two bathrooms. The kitchens have a full-sized refrigerator/freezer, stove/oven, double-basin sink, dining table, and four chairs.

Opened in 1997, Ranger Hall is a six-story, traditional-style residence hall housing just over 400 residents. Each room is designed to house up to two students. Most of the building is co-educational, with two single gender wings. The Residence Hall Association (RHA) has an office located in Ranger Hall.

Opened in 2009, Pike River Suites is a four-story suites-style co-educational residence hall and is home to nearly 250 residents. Each floor is divided into 2-3 wings, which include a lounge, kitchenette, and study area. Floor wings contain 4-6 suites containing 2-3 spacious rooms, including one-person and two-person rooms. Each suite has its own bathroom.

ADMISSIONS

Student Center D105 • 262-595-2355

The Office of Admissions and New Student Services provides admission counseling, support for prospective students and families, processing of applications for admission, as well as course placement.

Degree-Seeking Status

Degree-seeking students are those expecting to complete requirements for a degree or second degree. To be accepted as degree-seeking, students must meet the appropriate admission requirements in effect at the time they complete the application.

Students are subject to the general education requirements in effect at the time they are accepted as a degree-seeking student. Students' specific program requirements (major, minor, certificate, concentration) are determined by the date their program declarations are accepted by the appropriate department.

Admission Requirements

New Freshmen

To be considered for admission as degree-seeking candidates, applicants must submit the University of Wisconsin System Application, the required application fee, and official transcripts from high school (or the equivalent). New freshmen applicants that complete college level work while in high school must submit official college transcripts upon completion of the course(s). In addition, all applicants under 21 years of age on September 1 of the academic year in which they plan to enroll must also submit ACT or SAT scores. *NOTE: For 2021-23, UW System has temporarily suspended the ACT/SAT admissions requirement.*

Freshman applicants must demonstrate that they are prepared to do satisfactory academic work and, that as members of the campus community, they will benefit from and enrich the educational environment and the quality of UW-Parkside. UW-Parkside completes a comprehensive review with each application received. Both academic and nonacademic factors that are presented in an application are used to make an admission decision. Academic factors include quality and rigor of high school coursework, grade point average, class rank, trends in grades and standardized test scores.

In addition to the academic background and qualifications of applicants, nonacademic factors will also be considered. These include, but are not limited to, leadership, community service, special talent and ability, and personal characteristics that contribute to the strengths and diversity of the university. The most competitive candidates for admission present factors in their application that are both academic and nonacademic. Academic factors will continue to be of primary importance in the comprehensive review.

Since there are no specific requirements to guarantee admission, and in an effort to help students plan their academic future, students likely to be admitted will rank in the upper 50th percentile of their high school class or have a minimum ACT composite score of 21 (or SAT equivalent) and complete the academic units listed below.

New freshmen must complete a minimum of 17 high school units with the following distribution:

Academic Subjects	Units
English	4 (3 units must be composition and/or literature)
Mathematics	3 (must be algebra or higher)
Natural Science	3 (including one lab science)
Social Sciences	3
Additional Electives	4 (from the above areas or other academic areas such as fine arts, business, etc.)

Transfer Students

Transfer students are those who enter UW-Parkside with 12 or more transferable credits earned from another accredited college, university, or college-parallel program.

Transfer students must submit the University of Wisconsin System Application for Undergraduate Admission, pay the required application fee, and provide transcripts from all institutions of higher education previously attended. Applicants who have completed the foreign language requirement with high school course work should also provide high school transcripts (see the foreign language requirement in the Policies section of this catalog) .

UW-Parkside completes a comprehensive review with each application received. Both academic and non-academic factors that are presented in an application are used to make an admission decision. Academic factors for admission include the academic rigor of the completed college courses, the earned number of college transfer credits, individual course grades and collegiate cumulative grade point average. A transfer applicant's high school academic record, including curriculum, GPA, class rank and ACT or SAT score may also be considered when less than 24 semester transfer credits have been earned at the time of application.

In addition to the academic background and qualifications of applicants, nonacademic factors will also be considered. These include, but are not limited to, leadership, community service, special talent and ability, life experience, and personal characteristics that contribute to the strengths and diversity of the university. The most competitive candidates for admission present factors in their application that are both academic and nonacademic. Academic factors will continue to be of primary importance in the comprehensive review.

Important information about academic policies that apply to transfer students can be found in the Policies section of this catalog.

Failure to inform UW-Parkside of attendance at any other institution of higher education may constitute grounds for disciplinary dismissal. If, after receiving complete transfer records, the university determines that the student is on academic or disciplinary suspension status at another institution of higher education, that status will be honored by UW-Parkside and the applicant's registration will be canceled.

International Students

Students from approximately 25 countries currently attend UW-Parkside. The Office of Admissions assists international students in completing the admissions process and determines eligibility for scholarship assistance.

Admission of international students depends on scholastic achievement, English language competency, and the student's ability to secure the required financial support. To apply, students must submit the following: The University of Wisconsin System International application, official transcripts in English translation documenting completion of secondary

school and attendance at all other institutions of higher education (if applicable); the required application fee; and official Statements of Financial Support. Students must also arrange for the university to receive official scores showing English Language proficiency. Students whose prior education was not conducted in English are required to submit proof of language proficiency. English proficiency may be demonstrated by submission of the Test of English as a Foreign Language (TOEFL) , or IELTS examinations, ACT, DuoLingo or Pearsons. Minimum TOEFL score of 71 (internet based) or minimum IELTS score of 6.0 or ACT English subscore of 23 or higher, DuoLingo score of 100 or higher, Pearson score of 45 or higher is required. In addition, upon admission, international students may be required to take a placement test to determine English proficiency prior to course placement.

Students who have taken any university-level courses or completed an undergraduate degree must submit official college or university transcripts for each institution attended to UW-Parkside. Additionally, these transcripts must be submitted to a professional evaluation service that is recognized through NACES (naces.org). The following credential evaluation services are recommended – Education Credentials Evaluators, Inc. (ECE), World Education Services (WES). An additional fee will be charged by the evaluation service.

International students are generally required to finance their entire education. United States immigration regulations restrict almost all off-campus work and limit on-campus work to 20 hours per week.

All UW-Parkside international students are required to have international health insurance that includes medical evacuation and repatriation. International students are automatically enrolled and billed for an international student plan.

Re-entry Students

Applicants who previously attended UW-Parkside but have not been enrolled for more than one year must complete the UW System online re-entry application. Students who were previously enrolled and left due to military active duty deployment are eligible to re-enroll at the university with the same academic standing as when they last attended.

In addition, students applying for re-entry must submit high school transcripts and transcripts from all institutions of higher education previously attended unless they have been provided in the past. Applicants who have been dropped for academic reasons from another institution since last attending UW-Parkside are not eligible to return to the university. Appeals for extraordinary circumstances will be considered.

Applicants seeking re-entry after having served a period on academic suspension from UW-Parkside must complete a re-entry application through the Office of Admissions.

Veterans

UW-Parkside is approved by the U.S. Department of Veteran Affairs and the Wisconsin State Approving Agency for the education of military members, veterans and dependents of veterans under all federal and state education benefit programs. All benefit programs are administered by the UW-Parkside's Education Benefits Coordinator as one of the services provided through the university's Military & Veteran Success Center.

UW-Parkside's Military & Veteran Success Center (MVSC) advises military members, veterans and their dependents on both federal and state veteran education benefit programs and provides assistance in applying for benefits. New or transfer students are encouraged to consult with the MVSC's Education Benefits Coordinator upon admission. Current students who become aware of potential benefit eligibility or have questions about eligibility are advised to schedule a consultation promptly. To ensure benefits are applied to a student's account in a timely manner, a student must submit a Request for Veteran Benefits (R-VAB) upon enrollment in any term. Once an R-VAB is submitted, students are required to report any change in enrollment status promptly, as changes may impact benefit entitlement.

Federal and state financial aid regulations may require some military and veteran benefits to be considered as part of a financial aid award package. Most benefits do not impact a student's ability to qualify for either federal or state financial aid and students are encouraged to apply.

In accordance with WI State Statute, priority registration is given to all veterans, service members and ROTC cadets who are serving or have served in the U.S Armed Forces under honorable conditions.

Advanced Placement

Applicants who have exhibited outstanding scholarship and participated in the College Entrance Examination Board's Advanced Placement Program may be considered for advanced college placement or credit. For instructions to submit AP scores to UW-Parkside, please visit www.collegeboard.org (http://www.collegeboard.org).

Visit https://www.uwp.edu/live/services/placementtesting/apequiv.cfm for a complete listing of courses and minimum scores.

Four-Year Graduation Guarantee Plan

The University of Wisconsin-Parkside offers a four-year graduation guarantee that assures eligible entering freshmen a degree at the end of eight regular semesters.

Under the Chancellor's Four-Year Guarantee Program, students work closely with an academic advisor to carefully plan a sequence of courses in order to complete UW-Parkside's degree requirements within four years of enrollment. The program is designed to help undergraduate students enter the work force full time as soon as possible, or to pursue a graduate education, and avoid unnecessary tuition expenses.

To be eligible for the program, first-time freshmen entering UW-Parkside must express their intent to complete one major and degree program, have the necessary academic preparation to begin course work at the entry level for general education and their chosen major, and enroll in at least 15 credits their first semester.

To remain eligible, students must complete an average of 15 credits each semester, maintain a minimum 2.00 grade point average (some degree programs may require higher grade point averages), declare their major as soon as allowed by the academic department, develop a four-year plan with their academic advisor and meet with that advisor each semester prior to course registration. There is no penalty for students who enter the program but are unable to complete it; there is no obligation to stay in the program.

UW-Parkside provides participating students with a four-year academic plan, appropriate academic advising, and courses required for the declared major and degree. The university also provides substitutions or waivers of requirements or even free tuition or tuition reimbursement for participating students if the required courses are not available and the student is not able to graduate in four years.

Placement Tests

First Year Students are placed into math and English based on their high school GPA. The university, however, recognizes alternative placement measures including ACT/SAT scores and the Wisconsin Placement test. Students may submit an ACT or SAT score or take the Wisconsin Placement test in an attempt to place into a different level course. Students who do not have a recent HS GPA should take the Wisconsin Placement test.

Transfer students are required to take the Math & English Placement Tests unless (a) the student has transfer credit that satisfies the Math and/or English requirement or (b) has taken a math and/or English course that places the student into the next, sequential course.

All students interested in enrolling in a Foreign language course must take the Foreign Language placement exam.

A current student is eligible to take a Placement Test only if the student has not enrolled in and attended any Math, English or Foreign Language courses.

More information can be found on the Placement Testing website.

Non-Degree-Seeking Students

UW-Parkside welcomes students pursuing studies for personal or professional enrichment. Persons currently not pursuing a degree, and those wishing only to audit courses are admitted as non-degree-seeking students. Such students must submit the University of Wisconsin System Application for Undergraduate Admission. No application fee is required. Non-degree-seeking students are classified as special students at the graduate or undergraduate level and are not eligible to receive financial aid.

Most non-degree-seeking students are required to re-apply for admission for each academic term. Exceptions to this rule are students with UW-Parkside bachelor's degrees who return to work toward an additional major, minor or concentration; students seeking a certificate; students enrolled in the Parkside Access to College Credits (PACC) program; students participating in student exchange programs or students enrolled in the Gateway Technical College AA or AS Degree Program that have completed the Declaration of Intent to Transfer to UW-Parkside. Students in the PACC and student exchange program must reapply each academic year (an academic year for this purpose is defined as Fall, Spring, and Summer). Students in the Gateway Technical College AA or AS Degree program must reapply every two years. All other non-degree-seeking students must re-apply each term.

A non-degree-seeking student may not enroll for more than 15 credits in a given semester without permission from the Advising and Career Center. A non-degree-seeking student cannot declare a major. Academic probation and drop policies related to grade point averages and earned credits apply. Completion of appropriate placement tests is a required prerequisite to enrollment in English, mathematics, or second-semester or higher foreign language courses.

Non-degree-seeking students who desire to be degree candidates must file a degree-seeking application and submit transcripts from all high schools and all other institutions of higher education previously attended. Students must meet the admission requirements in effect at the time they complete their files and are ready to be considered for admission as degree-seeking students.

Students are subject to the general education requirements in effect at the time they are accepted as a degree-seeking student. Students who have been granted degree-seeking status and wish to declare a major may petition to do so. Students' specific program requirements (major, minor, certificate, concentration) are determined by the date their program declarations are accepted by the appropriate department.

High School Special Students

High school juniors and seniors with superior high school records may enroll as non-degree-seeking students in one or two UW-Parkside courses while working toward a high school diploma. Students must consult with their high school counselors before undertaking university work and present written permission from the appropriate high school official. High school special students are responsible for the payment of all tuition, fees and books.

Parkside Access to College Credits (PACC)

The Parkside Access to College Credit Program (PACC) allows eligible high school students to earn college and high school credit simultaneously by taking and successfully completing designated courses at their high school, known as concurrent enrollment. By taking college credit in high school, students also set themselves apart by demonstrating that they can succeed in college-level classes. Go to https://www.uwp.edu/learn/departments/professionalstudies/pacc/ to learn more about the PACC program.

Early College Credit Program

Students in Wisconsin high schools may be eligible to take college courses for both high school and college credit and have those courses paid for by their school district.

Go to https://www.uwp.edu/apply/admissions/other/earlycollegecredit.cfm to learn more about ECCP. Interested students should consult their high school counselors.

Social Security Disability Recipients and Senior Citizens

Persons receiving Social Security Disability Insurance and senior citizens aged 60 or older may audit courses without paying a fee. (See section entitled "Audit" in the Policies section of this catalog.)

UNDERGRADUATE POLICIES

Undergraduate Degrees and Degree Requirements

The University of Wisconsin-Parkside offers the undergraduate degrees of bachelor of arts (B.A.), bachelor of science (B.S.), associate of arts (A.A.), associate of science (A.S.) and associate of arts and sciences (A.A.S.). The major completed determines which bachelor's or associate degree a student receives. Special rules may apply to students completing the consortial nursing program, the sustainable management and health information management and technology collaborative, online degree-completion programs, the flexible option degree-completion program, and those who are seeking a second bachelor's degree. See second bachelor's degree policy and appropriate academic sections for further information.

Degree Requirements for the Bachelor of Arts or Bachelor of Science

To receive a bachelor's degree from UW-Parkside students must:

1. Complete 120 credits of college work. This must include 36 credits in courses numbered 300 or above. Certain elementary courses are identified in the catalog and/or course schedule as not counting toward the 120 credits required for graduation. In addition, only the first 8 credits of physical education activity courses (100-level) may be counted toward graduation or grade point averages (GPA).
2. Earn a minimum of 30 credits toward their undergraduate degree at UW-Parkside. Individual departments and programs may require that certain courses must be taken at UW-Parkside. Students must complete all course work to be counted toward graduation by the end of the semester/subscription period in which they graduate.
3. Attain a minimum cumulative grade point average (GPA) of 2.00 on a 4.00 scale. Some programs have higher GPA requirements. Transfer students must also have a cumulative 2.00 GPA on the combination of transfer credits accepted and credits attempted at UW-Parkside.
4. Complete an approved major program of study with the minimum major GPA as specified by the program or department. Usually, the minimum GPA is 2.00 on a 4.00 scale, but some majors require a higher GPA. Students who apply transfer credits to their majors must also meet the minimum major GPA requirement on the combination of transfer credits and UW-Parkside credits. At least 15 credits of upper level course work (courses numbered 300 or higher) must be completed at UW-Parkside. A student may not graduate with an incomplete grade in major course work if failure in that course would reduce the GPA in the major below the minimum GPA.
5. Meet UW-Parkside general university requirements.
6. Submit an application to graduate and pay the required application fee. This is the way in which students obtain institutional and departmental approval of their petition to graduate.

Degree Requirements for the Associate of Arts or Associate of Science

To receive an associate degree from UW-Parkside students must:

1. Complete a minimum of 60 credits of college work. Certain elementary courses are identified in the catalog that will not count toward the 60 credits required for graduation. In addition, only 4 credits of physical education activity courses (100-level) may be counted toward graduation or grade point averages (GPA).
2. Complete a major (associate).
3. Complete a minimum of 40 credits of college work to fulfill UW-Parkside Skills, General Education and Diversity Requirements must be fulfilled.
4. Complete a minimum of 15 credits toward the associate degree at UW-Parkside.
5. Attain a minimum cumulative grade point average (GPA) of 2.00 at UW-Parkside. Some programs may require a higher GPA requirement. Transfer students must have a cumulative 2.00 GPA on the combination of transfer credits accepted and the credits attempted at UW-Parkside; this is the degree GPA.
6. Students may only earn one degree at the associate level at UW-Parkside.

Application to Graduate/Degree Summary

In order to graduate, students must submit an application to graduate to the Office of the Registrar. A one-time, non-refundable fee per level of degree, which is applied toward costs associated with graduation, will be charged. Please check the Office of the Registrar's web page for details about graduation and commencement.

Students are advised to submit this request well in advance of their expected semester/subscription period of graduation so they have time to adjust their degree plans, if necessary. Full-time students should request their degree summary after completing 90 credits; associate degree and part-time students should request the summary when they are within about 20 credits of graduation.

The Academic Advisement Report (AAR) reflects all outstanding degree requirements, including courses still needed to complete general education requirements and academic programs for which a student has been accepted.

General University Requirements

Students seeking teacher licensure and those enrolled in the consortial nursing program are subject to a different set of requirements. These students should consult their advisors for details.

Students are subject to the requirements in effect on the date they first entered UW-Parkside as degree-seeking students, or they may choose to follow any later requirements. Students who transfer to UW-Parkside from a two-year or four-year UW System institution may choose to follow the general university requirements in effect the year they entered the previous institution.

General education, a part of every student's academic program, is intended to provide opportunities for students to develop their analytical and problem-solving skills, to develop understandings of cultures and ethnicities, to develop the skills and awareness necessary for citizens of an advanced technological society, and to develop habits of mind that promote life-long learning, responsible actions and independent thinking. Complementary to these skills are opportunities for students to become literate in civic, cultural, aesthetic, international, scientific and technical subject areas.

I. Skills Requirements

Reading and Writing Skills

This requirement assists students in developing effective communication through the mastery of reading and writing skills.

Students satisfy this requirement with the completion of ENGL 101 Composition and Reading with a grade of C-minus or better.

Some students may be exempt from the Reading and Writing Skills requirement on the basis of test scores, while others may be required to complete ENGL 100 Fundamentals of English in addition to ENGL 101 Composition and Reading.

Deadline for completion of reading and writing skills requirement:

- Students must complete ENGL 101 Composition and Reading within the first 60 degree credits.
- Students who fail to complete ENGL 101 Composition and Reading within the stated deadlines may not be allowed to enroll in upper level courses until the requirement is met.

Computational Skills

This requirement assists students in developing effective basic computational skills necessary to an informed citizenry and provides support for other disciplines.

Students satisfy this requirement with the completion of MATH 111 College Algebra I, MATH 104 College Mathematics with Applications, MATH 103 Elementary Statistics or MATH 102 Quantitative Reasoning with a grade of C-minus or better, or with appropriate placement.

Based on placement, some students may be required to complete MATH 100 Foundations of College Mathematics before enrolling in MATH 111 College Algebra I, MATH 104 College Mathematics with Applications, MATH 103 Elementary Statistics or MATH 102 Quantitative Reasoning.

Deadlines for completion of computational skills requirement:

- Students must complete the sequence of courses ending in MATH 111 College Algebra I, MATH 104 College Mathematics with Applications, MATH 103 Elementary Statistics or MATH 102 Quantitative Reasoning within the first 60 degree credits.
- Students who fail to complete these requirements within the stated deadlines may not be allowed to enroll in any other upper level courses until the requirement is met.

II. General Education Requirements

The general education curriculum provides students with exposure to different disciplines and subject matter; it also provides a broad base for placing into context the concentrated and in-depth study for developing expertise in a major discipline. The curriculum consists of a minimum of 36 credits outside of the skills requirements, distributed across three distribution areas: Humanities and the Arts, Social and Behavioral Sciences, and Natural Sciences. A single course may be counted under one area only. Students are required to take 12 credit hours from each distribution area from at least three different departments/programs in each distribution area. Courses which meet the general education requirements are so designated in the course schedule each semester. An updated list of general education courses may also be found on-line.

Students may also meet these requirements through equivalent courses at other institutions or by otherwise demonstrating comprehension equivalent to completion of such courses.

III. Foreign Language Requirement

The purpose of the foreign language requirement, for UW-Parkside bachelor's degrees, is to familiarize students with communication in another culture and with the cultural significance of language. This is satisfied by completing two semesters, or the equivalent of two semesters, at the college level of one foreign language.

It is strongly recommended that students complete this requirement as soon as possible upon entering the university.

The foreign language requirement can be met under any of the following circumstances:

- Students who completed a minimum of two years of one foreign language at a secondary school with a final grade of C or better (grade of C-minus is not acceptable) in the last course taken.
- Students who completed one high school unit and one college semester in the same language, provided that the college course is at least on the second-semester level.
- Students who are heritage speakers in a language taught at UW-Parkside or who have informally learned a language taught at UW-Parkside can meet the foreign language requirement if they take the UW System placement test and place into the equivalent of the third semester (intermediate level) or above.
- Students who are heritage speakers in a language not taught at UW-Parkside or who have informally learned a language not taught at UW-Parkside can meet the foreign language requirement upon certification at the intermediate level through the American Council on the Teaching of Foreign Languages (ACTFL).
- Students who have graduated from a foreign secondary school with a curriculum taught in the language native to that country, other than English.
- International students from countries where English is not the primary language are considered to have met the foreign language requirement when they meet the required standard of English competency at the time of admission through the appropriate Test of English as a Foreign Language (TOEFL) score.
- Transfer students in sustainable management and health information management and technology collaborative online degree-completion programs, the business management online degree-completion program, and the flexible option degree-completion program will be exempt from the university's foreign language requirement. See appropriate academic section for further information.

Placement Tests for Foreign Language Courses

UW-Parkside uses the UW System Foreign Language Placement Tests in French, German, and Spanish to place students into the appropriate course level of their selected foreign language. Tests are administered throughout the year.

IV. Ethnic Diversity Requirement

The purpose of the ethnic diversity requirement is to familiarize students with and sensitize them to differences among diverse ethnic groups. In accordance with UW System policy, students graduating from UW-Parkside are required, as part of their 120 credits, to complete a minimum of one 3-credit course dealing with issues of race and ethnicity within

the United States. Courses which meet the ethnic diversity requirement may also count toward fulfillment of general education, major, or minor requirements. Courses which meet the ethnic diversity requirement are designated in the course schedule.

Transfer Students and General University Requirements

Transfer credit is generally awarded for college-level coursework completed at institutions accredited by a regional or national accrediting organization recognized by the Council for Higher Education Accreditation (CHEA). Credits may be granted for post-secondary course work at a foreign institution if the institution is recognized by the Ministry of Education or the equivalent authority who supervises tertiary education in that country. Students seeking transfer from an international post-secondary institution will be referred to a foreign credential service to determine U.S. credit equivalents for academic work completed at an institution of higher learning in another country (ECE, WES, One Earth).

Transfer courses which are the substantial equivalent of approved UW-Parkside general university requirements (skills, general education, foreign language[1], and ethnic diversity requirements) courses will be counted toward general education requirements.

1. Transfer students with less than 54 transferable credits will be required to meet UW-Parkside's skills, general education, foreign language[1], and ethnic diversity requirements.
2. Transfer students with 54 or more transferable credits will be required to meet the general education requirement by categories, NOT the specific distribution by subcategories. The distribution by categories is as follows:
   Humanities and the Arts 12 credits
   Social and Behavioral Sciences 12 credits
   Natural Sciences 12 credits

   These students must also complete UW-Parkside's skills, foreign language[1], and ethnic diversity requirements.
3. Students transferring to UW-Parkside from a UW System institution (the four-year universities and two-year colleges) may follow the UW-Parkside general university requirements that were in effect at the time they entered the previous institution. Transfer students should contact the Advising and Career Center for detailed information on general education requirements or their Academic Success Coach (ASC) if in a flexible option program.
4. Transfer students with a bachelor's degree from an accredited, liberal arts, baccalaureate degree-granting college or university, or an associate of arts or science degree (with at least 45 transferable credits) from an accredited college-parallel liberal arts program will be considered to have completed the UW-Parkside general education and skills requirements. Students must still meet the foreign language[1] and ethnic diversity requirements.
5. Transfer students who complete 90 transferable credits (as outlined above), a bachelor's degree from an accredited, liberal arts, baccalaureate degree-granting college or university, or an associate of arts or science degree (as outlined above) at another institution after enrollment at UW-Parkside are exempt from UW-Parkside general education and skills requirements only if the 90 transferable credits or the degree is awarded within one year of initial enrollment at UW-Parkside. Students must still meet the foreign language[1] and ethnic diversity requirements.
6. Students may transfer a maximum of 72 transferable degree credits earned at a non-baccalaureate accredited liberal arts/collegiate transfer program. Occupational/technical courses may also be considered for transfer if the quality and content of the course work is judged to be comparable to course work at UW-Parkside. UW-Parkside may accept additional credits toward the degree where appropriate. This does not alter university policies related to program completion, residency or graduation requirements.
7. College level credits completed at institutions accredited by a regional or national accrediting organization earned more than 10 years prior to admission will be accepted in transfer but may not fulfill a program or degree requirement.
8. Transfer, bachelor's degree seeking students must earn a minimum of 30 credits at UW-Parkside toward their degree to fulfill the residency requirement. Transfer, associate degree seeking students must earn a minimum of 15 credits toward their degree to fulfill the residency requirement. Individual departments and programs may require that certain courses be taken at UW-Parkside.
9. If a student earns transfer credits via a transfer or articulation agreement and subsequently changes his/her academic major or program, all transfer credits may be reevaluated to determine if, and how, they apply to the new major or program.
10. Students may appeal any course transfer determination by contacting in writing, the UW-Parkside Transfer Credit Evaluation Coordinator. Students will be required to supply a course syllabus used during the term and year the course was completed.

[1] Transfer students in sustainable management, and health information management and technology collaborative, online degree-completion programs; the business management online degree-completion program; and flexible option degree-completion programs will be exempt from the university's foreign language requirement. See appropriate academic section for further information.

Certification of Transfer Students in Skills Requirements

While transfer students are expected to complete the skills requirements within the deadlines stated in the policy, the university recognizes that transfer students may have met the reading, writing, and/or computational requirements at a previous college or university. Therefore, the faculty has created guidelines for evaluating the applicability of previous course work for certification in these areas; this evaluation is completed when the student is first accepted to UW-Parkside.

Transfer students will be certified in the reading and writing competencies if they have successfully completed a course equivalent to ENGL 101 Composition and Reading at another college or university with a grade of C-minus or better. Students who have not completed such a course should take the English placement test to determine which course to take. Placement beyond ENGL 101 Composition and Reading fulfills the reading and writing competency for graduation.

Transfer students will be certified in computational skills if they have completed a course equivalent to MATH 111 College Algebra I, MATH 104 College Mathematics with Applications, MATH 103 Elementary Statistics or MATH 102 Quantitative Reasoning with a grade of C-minus or better, or passed any higher-level mathematics course at a previous college or university. Students who have not completed such course work should take the mathematics placement test. Placement into MATH 112 College Algebra II or beyond on the UW-Parkside placement test fulfills the

computational skills requirement for general education; however, some majors may require additional mathematics courses.

Transfer students with 90 or more acceptable credits of multidisciplinary course work from an accredited, liberal arts, baccalaureate degree-granting college or university will be considered to have completed UW-Parkside skills requirements. The same policy shall apply to transfer students holding acceptable associate degrees, provided they have completed 45 or more transferable credits.

Undergraduate Policies

Academic Level

Determination of freshman, sophomore, junior, or senior classification will be made on the basis of the combined total of credits earned toward graduation at UW-Parkside and credits accepted in transfer. The breakdown of academic level by credits completed is below:

Level	Credits
Freshman	29 or fewer
Sophomore	30 to 59
Junior	60 to 89
Senior	90 or more

Failures or Incompletes in the Major

Students who fail required courses in their majors must retake those courses. If they wish to do so through credit obtained elsewhere, written approval from the chair of their major department must be obtained, prior to enrollment off campus in order to guarantee appropriate transfer. Students may not graduate with an incomplete in a course in their major if the course is required or if failure in that course would bring their major GPA below the minimum requirement.

Declaring a Major

Students are initially admitted to the major selected on the application for admission to the university. Thereafter, students may add, drop, or change majors by filing a declaration form. Students are subject to the major requirements in effect at the time they are first accepted in a particular major but may meet requirements established later by submitting a requirement year change form to the Office of the Registrar. Students are encouraged to contact their advisor for more information.

Non-degree seeking students (non-matriculant) cannot declare a major or minor.

Double Major

Bachelor's degree-seeking students earning a double major in programs taken concurrently must complete the course requirements for both major areas and all other standard degree requirements. Students wanting to earn two or more majors that lead to different degrees (bachelor of arts and bachelor of science) normally earn only one degree. Students choose which degree they wish to earn at the time they file their Graduation Application. Students wishing to earn dual degrees, please refer to the Dual Bachelor's Degrees policy below. The flexible option business administration degree-completion program is not available as a double major.

Dual Bachelor's Degrees

Students may earn both a bachelor of arts and a bachelor of science degree by completing the graduation requirements for both degrees including a major appropriate to each degree. The student must, in meeting these requirements, complete an additional 30 credits for the second degree (for a minimum of 150 credits). The flexible option degree-completion program is not available as a dual degree.

Completion After Graduation

Students may, after graduating with a bachelor's degree from UW-Parkside, return as a post-baccalaureate student to complete a minor, concentration, certificate, or additional major. Students must apply for readmission to UW-Parkside and submit a plan declaration form as needed. When all course work toward the additional major, minor, concentration or certificate has been completed, students should submit a Graduation Application to initiate a review of the additional information. A statement will be added to the student's transcript, noting the completion of such major, minor, concentration or certificate with the date of completion.

Second Bachelor's Degree

A person who holds a bachelor's degree from another institution and who wishes to obtain a bachelor's degree from UW-Parkside is subject to all of the regulations governing transfer students. A person who has received a bachelor's degree from UW-Parkside will not be granted a second degree of the same kind (i.e. bachelor of arts or bachelor of science). See Completion After Graduation above. A person who holds one of these degrees from UW-Parkside may receive the other bachelor's degree provided that the major sought naturally leads to the other bachelor's degree and provided that the student does the following:

1. After receipt of the first degree, enrolls in UW-Parkside as a degree-seeking (matriculant) student, declares a major leading to the desired degree, and files a degree summary request indicating intent to receive the second bachelor's degree.
2. Completes an additional 30 credits of work at UW-Parkside after receipt of the first degree and satisfies all graduation requirements in effect at the time of first enrollment as a degree-seeking (matriculant) student following receipt of the first degree.
3. Completes a major leading to the degree sought, with at least 15 credits in courses numbered 300 or above completed at UW-Parkside, following receipt of the first degree. Students who return after graduation to complete only the requirements for an additional major do not earn a second bachelor's degree. See Completion After Graduation.

Courses That Do Not Count Toward Graduation

Several UW-Parkside courses (e.g. those that provide developmental work in mathematics) do not count toward graduation. The credits and grades earned in these courses are counted in determining how many credits the student is carrying during the semester (as for tuition charges, insurance purposes, and when checking on eligibility for financial aid and participation in athletics). If letter grades are assigned, these credits count when computing the student's GPA.

Credit/No-Credit Courses

Some UW-Parkside courses may be designated as credit/no-credit courses. These are courses in which the faculty has determined that assigning a regular letter grade to student performance would be inappropriate; the only grades assigned are credit (CR) for satisfactory performance or no credit (N/C) for unsatisfactory performance. Such credits are not included in calculating a student's overall GPA but are part of the student's credit load. All students enrolled in these courses receive grades of either credit or no credit.

Auditing a Course

Students have the option of auditing a course, though this means that they will not receive credit for it toward graduation, major requirements, financial aid eligibility, or credit load. For more information, see section entitled Audit in Registration Policies.

Substitutions and Waivers of Requirements

Any time a student fulfills a graduation requirement in any way other than that explicitly stated in the catalog, written approval must be submitted to the Office of the Registrar. Substitutions for and waivers of major, minor, and other requirements must be approved with an executive action form, which is signed by the director of the General Education Program (for general education requirements), by the chair of the Academic Actions Committee (for university policy), or by the appropriate faculty member, chair, and dean (for major and minor requirements). Executive action forms are available in each academic department and must be submitted to the Office of the Registrar in order for the action to be official. Executive actions must be submitted by the faculty member or departmental staff member; forms submitted by students will not be accepted.

Transfer Credit for Continuing Students

With special permission, students may complete courses at other campuses and transfer them back to UW-Parkside to satisfy general university, major, or minor requirements. Permission is obtained via the Advanced Approval of Proposed Transfer Credits form, which can be obtained online. The form must have accompanying documentation (course description or syllabus) and signatures as required by the type of transfer fulfillment. Once the student obtains the proper signatures, the form and documentation must be submitted to the Office of Admissions and New Student Services.

Credit for Prior Learning

UW-Parkside students have the opportunity to earn college credits for college level learning acquired through a variety of experiences including, but not limited to work, employer training programs, industry certifications, military training or other coursework. Learning is evaluated and assessed for college credit or advanced standing through one of the following means: Credit by Examination, Military Training and Service, and Prior Learning Assessment Portfolio.

There are, however, rules that apply to all credit for prior learning opportunities that students must be aware of:

Grades: No grade is recorded for credits granted by examination.

Limitations on Use of Credit by Examination: Credits granted by examination do not count toward the residency requirements. Academic programs may have additional restrictions on the use of credit by examination in meeting their own requirements.

Credits Granted: The number of credits granted will be equal to the number of credits of the course offered to all university students. In the case of the College Level Examination Program (CLEP), the Advanced Placement Program (AP), and the International Baccalaureate Program (IB), a list of approved examinations, the minimum score required for credit, and the course equivalencies established for each by the appropriate department is available on the UW-Parkside website.

Documentation: An official transcript, score report, or equivalent document issued by the external agency must be submitted before credit can be granted for AP, CLEP, DANTES, IB assessments and Military Training and Service.

Eligibility: Challenge examinations will be given only to students enrolled in a degree or licensure program.

Fees: There are fees associated with each form of prior learning assessment. Information regarding fees is available on the appropriate websites.

Credit by Examination: Students may have their learning assessed and evaluated through one or more of the following examination options:

Advanced Placement (AP)
High school students who have exhibited outstanding scholarship and participated in the College Entrance Examinations Board's (CEEB) Advanced Placement Program may be eligible for advanced placement credit if they achieve the minimum score required by UW-Parkside on the AP exam. Students must submit official Advanced Placement examination reports to the Office of Admissions and New Student Services. AP equivalencies may be found on the UW-Parkside website at https://www.uwp.edu/live/services/placementtesting/apequiv.cfm. Credit by AP exam will only be awarded if the course has not already been taken or transferred from another institution.

Challenge Exam
A challenge exam is a comprehensive exam similar to a final course exam that allows a student to demonstrate that he/she can meet the learning objectives of a course. UW-Parkside faculty may designate certain courses for which credit by challenge examination may be earned. The method of testing and the standards which must be met are determined by the department faculty; in limited cases this may include precollegiate or noncredit college course level work or recognized industry certifications in lieu of examinations. Credit by challenge exam can only be awarded if the course has not already been taken or transferred from another institution.

College Level Examination Program (CLEP)
The CLEP is based on the premise that some people enrolling in college have already learned some of what is taught here. Learning may occur through non-credit college level course work, job training, independent reading and study, and advanced high school courses. CLEP provides students the opportunity to demonstrate college-level learning by taking exams that assess knowledge and skills taught in college courses if they achieve the minimum score required by UW-Parkside on the CLEP exam. Students must submit official CLEP examination reports to the Office of Admissions and New Student Services. CLEP equivalencies may be found on the UW Parkside website at https://www.uwp.edu/live/services/placementtesting/clepequiv.cfm

DANTES Subject Standard Tests (DSST)
The DSST is a national, standardized exam evaluated by the American Council on Education Credit Evaluation Service (ACE). DANTES Subject standard tests provide students the opportunity to demonstrate college-level learning by taking exams that assess knowledge and skills taught in college courses if they achieve the minimum score required by UW-Parkside on the exams. Students must submit official transcript to the Office of Admissions and New Student Services.

International Baccalaureate (IB)
The International Baccalaureate program is a comprehensive high school curriculum that fulfills the requirements of an international system of education. Students who have taken International Baccalaureate courses may take the International Baccalaureate exams. UW-Parkside awards

credit to students when a score is 4 or higher. IB equivalencies may be found on the UW-Parkside website at https://www.uwp.edu/live/services/placementtesting/ibequiv.cfm Credit by IB exam will only be awarded if the course has not already been taken or transferred from another institution.

Language Testing
Students who are heritage speakers in a language or who have informally learned a language taught at UW-Parkside can meet the foreign language requirement if they take the UW System placement test and place into the equivalent of the third semester (intermediate level) or above. Additional information about placement testing is available at https://www.uwp.edu/live/services/placementtesting/.

Students who are heritage speakers in a language or who have informally learned a language not taught at UW-Parkside can meet the foreign language requirement upon certification at the intermediate level through the American Council on the Teaching of Foreign Languages (ACTFL). Students must submit official reports to the Office of Admissions and New Student Services. Additional information is available at http://www.languagetesting.com/.

Retroactive Credits for Modern Language
A student may receive up to 14 retroactive modern language credits **provided a grade of "C+" or better is earned** in the student's first University of Wisconsin-Parkside's modern language (French, Italian, and Spanish) course above the 103 level.

Based on a student's placement level the following identifies the retroactive credits that may be earned based on first UWP modern language course:

- *Introductory Language II (104):*
  - This 4-credit course allows for 4 retroactive credits for a total of 8 credits
    - retroactive credits earned for 103 (4 credits)
- *Intermediate Language I (203)*
  - This 3-credit course allows for 8 retroactive credits for a total of 11 credits
    - retroactive credits earned for 103 (4 credits) and 104 (4 credits)
- *Intermediate Language II (204)*
  - This 3-credit course allows for 11 retroactive credits for a total of 14 credits
    - retroactive credits earned for 103 (4 credits), 104 (4 credits) and 203 (3 credits)

In order to receive retroactive credits a student must:
1. Take the UW language placement exam or other placement equivalent*;
2. Enroll in the UW-Parkside modern language course that they placed into;
3. Complete the course with a grade of C+ or better;
4. Complete the ***Retroactive Credits in Foreign Language*** form, which can be found on the Current Student Forms webpage.

UW-Parkside will accept modern language retroactive credit granted by another UW System institution if it is documented on the student's transcript from the transfer UW System institution.

UW-Parkside will review courses from non-UW institutions for retroactive credit based on equivalencies which will be determined by the UW-Parkside Modern Language department.

* Examples of "other placement equivalent" may include, but are not limited to: college-level transfer course(s), UW-Parkside dual enrollment course(s), Advanced Placement, or other university approved examinations.

Prior Learning Assessment Portfolio
UW-Parkside students have the opportunity to seek credit based on prior learning through a rigorous portfolio and evaluation process. Any UW-Parkside student who can demonstrate learning equivalent to college level learning may be able to apply that learning toward degree credit.

The academic department/faculty must approve the use of the portfolio for credit prior to the student engaging in the portfolio process. Each portfolio is evaluated by a qualified faculty member or qualified content expert based on the published standards and learning outcomes of the course for which credit is being requested. The prior learning portfolio is a collection of evidence that, along with individual reflection about the learning experience, directly supports a claim for credit for a specific course. Required documentation may vary depending on the course for which a student seeks credit.

Military Training and Service
Students who seek credits based on military course work must provide an official Joint Service Transcript (JST) to the Office of Admissions and New Student Services. Students whose military credits are awarded by an accredited institution such as the Community College of the Air Force, do not need to submit a JST. UW-Parkside grants credit for course work completed in the armed services as recommended by the Guide to the Evaluation of Educational Experiences in the Armed Services by the American Council on Education (ACE). Credit will be awarded if ACE recommends granting credit in the associate/baccalaureate degree category and the credit recommendations parallel courses offered at UW-Parkside. Credits granted for military courses will not count toward residency requirements for graduation and may not duplicate content for credits previously earned by any other means. Credit is not awarded for rank or rating, or military occupational specialties.

Summary of Credit Rules

120 Credit Rule

- A minimum of 120 credits is required for graduation with a bachelor's degree.

90 Credit Rules

- UW-Parkside will accept a maximum of 90 credits from any four-year accredited institution toward the 120 credits required for graduation.
- Transfer students who complete 90 transferable credits; a bachelor's degree from an accredited, liberal arts, baccalaureate degree-granting college or university; or an associate of arts or science degree at another institution after enrollment at UW-Parkside are exempt from UW-Parkside general education and skills requirements only if the 90 transferable credits or the degree is awarded within one year of initial enrollment at UW-Parkside. Students must still meet the foreign language and ethnic diversity requirements.

72 Credit Rule

- Students may transfer a maximum of 72 transferable degree credits earned at a non-baccalaureate accredited liberal arts/collegiate transfer program.

60 Credit Rules

- Students must complete their writing and computational skills requirements within their first 60 degree credits.

- Students must make a formal declaration of major by the time they complete 60 degree credits.
- A minimum of 60 credits is required for graduation with an associate degree.

54 Credit Rule
- Transfer students entering UW-Parkside 54 credits or more will be required to meet the general education requirements by categories, but not the specific distribution by subcategories.

45 Credit Rule
- Degree-seeking transfer students holding an associate of arts or science degree from an accredited college-parallel liberal arts program, with a minimum of 45 transferable credits, are exempt from UW-Parkside general education and skills requirements. The ethnic diversity requirement and the foreign language requirement must still be completed.

36 Credit Rule
- Bachelor's degree-seeking students must earn a minimum of 36 credits in courses numbered 300 or above.

30 Credit Rule
- Bachelor's degree-seeking students must earn a minimum of 30 credits as degree seeking students at UW-Parkside toward their degree (residency requirement).

15 Credit Rules
- Bachelor's degree-seeking students must complete a minimum of 15 credits in their major in courses numbered 300 or above at UW-Parkside.
- Associate degree-seeking students must earn a minimum of 15 credits as degree seeking students at UW-Parkside toward their associate degree (residency requirement).

9 Credit Rule
- A minimum of 9 credits in an undergraduate certificate program must be taken at UW-Parkside. Individual departments and programs may require more than 9 credits to be taken at UW-Parkside.

8/4 Credit Rule
- No more than the first 8 credits (bachelor's degree seeking) or 4 credits (associate degree seeking) of 1-credit physical activity courses (100 level) offered by the Health, Kinesiology and Sport Management Department or earned in transfer can be counted toward the GPA and/or toward graduation.

Residency Requirements
Bachelor's Degrees
- Bachelor's degree-seeking students must earn a minimum of 30 credits as degree seeking students at UW-Parkside toward their degree.
- At least 15 credits of upper level (300 or above) major course work must be completed at UW-Parkside.

Associate Degrees
- Associate degree-seeking students must earn a minimum of 15 credits as degree seeking students at UW-Parkside toward their associate degree.

Minors
- At least half of the course work required for a minor must be completed at UW-Parkside.

Certificates
- A minimum of 9 credits in an undergraduate certificate program must be completed at UW-Parkside.

Registration Policies
Academic Advising
Prior to registration for the spring and fall terms, undergraduate degree seeking students that are new, and/or have earned less than 30 credits or are on academic probation are required to meet with their academic advisor to plan their course schedule for the following semester. UW-Parkside's web registration system (SOLAR) will not allow students to register for course work for the fall and spring semesters until after they have met with their assigned advisor. Specialized programs may have a different advising structure.

Credit Load
Undergraduate students enrolled for 12 or more credits during the fall or spring semester are considered full time. A full-time load in the summer or a subscription period in the flexible option program is 6 or more credits. A full-time graduate student enrolls for 9 credits during fall or spring semester and 5 credits in summer. Whether a student is full-time or part-time can affect eligibility for some forms of financial aid, athletic eligibility, and insurance coverage.

Degree-seeking students may not enroll for more than 20 credits in the fall or spring semester without prior approval from the Advising and Career Center. In the summer, students must obtain permission to enroll in more than 12 credits. Generally, permission to register for heavy credit loads will not be granted unless a student has earned a GPA of at least 3.00 during a previous semester on a load of at least 14 completed credits. This policy is aimed at ensuring that students do not take on more work in a given semester than they have shown they can successfully complete. Non-degree-seeking students may not enroll for more than 15 credits without approval. Students may apply for overload permission in the Advising and Career Center.

Audit
Students may choose to audit any course at the university with the consent of the instructor, except those courses specified in the catalog or class schedule as not available for auditing. Audit students are expected to attend the course regularly and to meet the requirements for auditors established by the instructor, but they receive no credit in the course, are not given regular grades, and do not have such courses counted as part of their credit load for determining whether they are full-time or part-time students or whether they are eligible for financial aid, athletic eligibility, or insurance purposes. In limited enrollment courses, students taking the course for credit are given registration preference. All auditors are subject to regular student parking fees and to other Regent and UW-Parkside regulations.

A grade of 'AUD' will be given to students that satisfactorily complete the course audit. A grade of 'AU-' will be given to students that do not meet the course audit requirements. After the first week of classes, written permission of the instructor is required to convert a course from credit to audit or audit to credit. A student may not convert a course from credit to audit after the fourth week of class or, in the case of a module, after one-third of the course has passed.

Students who later seek credit by examination for a course that they have audited must be enrolled in the university at the time the examination is taken and are subject to examination fee charges.

Note: The audit policy specifies that courses are open to auditors, unless otherwise specified, subject to the consent of the instructor. Thus, auditors may be excluded from a class, using the following procedures:

1. If a department faculty determines that a particular course or section is not available for any audit registration, the exclusion of auditors should be indicated as a "note" in the course schedule. Audit registrations will not be accepted in such courses or sections.
2. During the registration period, including the first week of classes, audit registrations will be accepted for courses other than those closed to auditors. If an instructor does not grant permission to one or more registered auditors to continue in a particular course (because of lack of space or other valid reason), the instructor should so notify each student, in writing, with a copy to the registrar.

When the registrar receives a copy of the notice, the student will be dropped from the class list and the appropriate refund will be given.

Auditing is not available in the Flexible Option Program.

Adding a Course

During the first week of the term, students may add any course for which they have met the prerequisites. During the second week, appropriate courses may be added with the written consent of the instructor (or a SOLAR permission number). Beginning the 11th day of classes, a student cannot add a course without written permission of the instructor, the department chair and the dean. The Office of the Registrar will determine comparable deadlines for courses less than a semester in length. Please check the website for comparable Flexible Option Program policies and guidelines.

Dropping a Course

A student may drop any course through the end of the 12th week of the semester. The Office of the Registrar will determine comparable deadlines for courses less than a semester in length and for subscription periods in the Flexible Option Program.

A student may request a late drop for extraordinary reasons beyond the deadline by submitting a request to#the Academic Actions Committee. Granting of requests by the Academic Actions Committee is not automatic. A student should not assume that his/her request will be granted.

An instructor may request that the registrar drop a student from a course if the student does not meet the stated prerequisites or if the student has not attended the course during the first week of classes and has not notified the instructor. The instructor must submit the request by the date specified on the administrative drop form. However, it is still the students' responsibility to make sure that they have been officially dropped from any class.

Flexible Option students will be dropped from all courses after the 10th day of a subscription period for non-payment.

A student who never attends (or stops attending) a course in which he/she has enrolled and who does not drop the course through the appropriate office will receive a failing grade.

A student who drops a course after the fourth week of a semester will receive a transcript notation of "W." (In the case of courses less than a semester in length such as winterim, summer, or flexible option courses, the W notation will be applied if the drop occurs after one-third of the course/subscription period has passed.)

Please check the website for more details of comparable Flexible Option Program policies and guidelines.

Fees for Dropping a Course

After the 10th day of classes, a student will be charged a per credit fee for dropping classes. The Office of the Registrar will determine the comparable deadlines for courses less than a semester in length. Refer to the website for more information.

Retaken Courses

Students are allowed to take a course one time as a retake. Courses taken as a retake are distinguished from repeatable courses which have the same course number (but different content), or are repeatable courses as noted in the course description.

The grade of record for a retake is the most recent grade earned when the course is completed; this is also the grade used in the calculation of the GPA. Retaking a course will not remove the initial grade from showing on the transcript; however it will remove the credits and grade points from the calculation of the cumulative GPA. Permission to retake a course more than one time may be granted by an assigned advisor.

If AP, IB, CLEP or Challenge exam results come in after the student has already taken or is taking an equivalent course (such as through the PACC program) the exam credits will not be accepted due to duplication. If a course is taken after exam credits have already been accepted then the exam credits will be marked as retaken per standard retake policy.

A student may request that a course taken subsequently at another university be counted as a retake for a course taken previously at UW-Parkside. Such a request must be submitted to the appropriate department chair to certify that the transfer course is equivalent to the course taken at UW-Parkside. If the transfer course is certified as equivalent; the course, credits and grade will be applied as a retake.

Note: Retaking courses that have already been completed with a grade of D- or better may have financial aid implications. Students are encouraged to consult with a financial aid.

Repeatable Courses

Repeatable courses are those that may be taken more than once for credit, such as special topics, independent studies, internships, and other selected courses. Courses that may be repeated for credit are designated as such in the course description in this catalog.

Cross-Listed Courses

Cross-listed courses are those that are offered under two or more departments and which have the same title and course description. Cross-listed courses may count toward general university requirements and/or may satisfy the requirements of two or more majors. Each cross-listed course will satisfy the same requirement as its counterpart; therefore, a student who is unable to enroll in a cross-listed course under a specific department heading may enroll in its cross listing and fulfill the same academic requirement. This rule applies to cross-listings which were in effect at the time the course was taken and applies regardless of which discipline is listed on the student's transcript.

Course Prerequisites

A prerequisite is a requirement that a student must have completed prior to enrollment in a specific course and is intended to ensure that a student has the knowledge and experience required for successful

course completion. The most common prerequisite is completion of a prior course. Other prerequisites include concurrent registration (i.e. enrollment in a specific course simultaneous with another), placement examinations, and the instructor's consent. Students may enroll in any course for which they have completed the necessary prerequisites or obtained the consent of the instructor. Students who lack the prerequisites but believe they have equivalent backgrounds should consult the instructor before enrolling in a course. A student who enrolls in a course without satisfying the prerequisites and who has not consulted the instructor may be dropped from the class at the instructor's discretion. All prerequisites are listed in the catalog; the course schedule also lists course prerequisites as well as those required for enrollment in a particular course section.

Withdrawal from the University

A student may withdraw from the university during the first half of semester/subscription period. The Office of the Registrar will determine comparable deadlines for courses less than a semester in length. After withdrawal, no record will be kept of a student's grade in his/her courses for that semester/subscription period. After the deadline, a student may request permission to withdraw only for extraordinary non-academic reasons. Please check the website or with your advisor for current procedures.

Final Examinations

Most courses terminate in a two-hour written examination at the end of the term. During the fall and spring semesters, these examinations are scheduled during the week following the last day of classes. During other terms, final examinations are arranged by the instructor. The final examination schedules for fall and spring are published each semester in the course schedule. Students with work or other commitments should consult the course schedule well in advance of the final examination period so that they can arrange to take their examinations as scheduled. The time set in the course schedule for a final examination cannot be changed without special administrative authorization. Students who believe that they have examination conflicts should double-check the course schedule; if the conflict results from a change in time they should consult with their instructor and, if necessary, with the department chair.

Attendance Policy

Students are expected to attend all classes. Individual absences from class may be excused only by the instructor. Consult the course syllabus for proper procedures for notifying the instructor in case of emergency.

University-Sponsored Activities

UW-Parkside, while prioritizing academics, believes in the education of the whole person and affirms the educational value of university-sponsored activities that enhance the educational experience such as, but not limited to, participation in the performing arts, music ensembles, student government/student leadership, intercollegiate athletics, study abroad, and attendance at professional/scholarly meetings. The UW-Parkside faculty, staff, students, and administrators work together to reach a compromise that respects both the need for students to attend class and the benefits of participating in university-sponsored activities that enrich students' educational experiences. In the spirit of these shared values,

it is the responsibility of students to:

- attend classes and complete all assignments according to the expectations of their instructors;
- be aware of the policies of each of their instructors;
- be aware of policies regarding adding/dropping of courses, and withdrawal from the university;
- inform their instructors well in advance of any anticipated absences for university-sanctioned activities;
- maintain communication with their instructors throughout the course;
- arrange to make up missed work in a timely manner at the direction of the instructor;

it is the responsibility of faculty to:

- establish policies that recognize the value of participation in university-sponsored activities, which might include flexibility in allowing students to submit assignments or take exams at alternative times or venues;
- provide students their attendance expectations in the syllabus at the beginning of the semester;

it is the responsibility of sponsors of university-sanctioned events to:

- recognize the priority of academics and that some courses are experiential in nature, and therefore do not lend themselves to flexible absence and makeup policies;
- schedule events and travel schedules in such a way as to minimize absences from class as much as possible;
- require students to inform the faculty well in advance of any absences or tardiness;
- offer their assistance in accommodating the needs of students who must submit assignments or take exams.

Military Training

In addition to university-sponsored activities, UW-Parkside recognizes that a number of students are attending classes while serving in the military as active duty servicemembers, National Guard members, reservists, or as members of an ROTC program. On occasion, these students will be required to miss class due to military training (these differ from Federal Title 10 Activation or Transfer orders). It is understood that often times these training obligations are scheduled in advance, while occasionally they are deemed necessary with little advance notice to our military-connected students. We also understand that our military-connected students do not have the choice of whether to participate or not in these trainings. UW-Parkside encourages our military-connected students to inform their faculty immediately when they learn of these obligations for training. When communicated in advance, these absences should be treated in the manner described above.

When disagreements regarding this policy occur between a student and a faculty member, the issue will be first referred to the faculty member's department chair in writing, followed by the college dean, for review and resolution.

Accommodation of Religious Observances

In accordance with Wisconsin Statute 36.43, UW-Parkside provides for the reasonable accommodation of a student's sincerely held religious beliefs with regard to all examinations and other scheduled in-class activities.

A student with a conflict between an in-class requirement and a religious observance may request an alternative means of meeting the requirement, subject to the following:

1. To be granted an alternative means of meeting an in-class requirement, students must notify their instructors in advance within a reasonable time that there is a need for an accommodation. These requests will be kept confidential.
2. Instructors will provide alternate arrangements for the individuals requesting accommodations, and the request for accommodation may not have a negative effect on the student's grade in the course.
3. Students participating in applied learning experiences will be required to comply with their host site's policies. This includes all levels of clinical and allied health training and educator preparation.

Absence from classes due to religious observance does not relieve students from responsibility for any part of the course work required during the period of absence.

Students who believe they have been denied reasonable accommodation should contact the person identified by the department or academic program to hear such complaints, usually the department chair or academic program director. If the issue is not resolved at the department/program level, students may proceed to the office of the appropriate academic dean and, if it is still unresolved, to the office of the provost.

Students Called to Active Duty Military Service

Students subjected to involuntary Federal Title 10 activation or transfer (called to active duty military service) after the beginning of a term may elect to drop their courses and receive a full refund for courses still in progress or may opt to remain enrolled in some or all of their courses. The student may either request an "incomplete" with the understanding that the coursework be completed upon return from active military duty or request that a final grade be assigned based upon work completed to date.

These options may not be equally viable for all classes, depending on timing, how much work remains to be completed, or whether a final exam constitutes a major portion of the grade. Students should consult with the instructor to determine the most appropriate option.

Course Numbering System

The University of Wisconsin-Parkside has adopted the following guidelines on course numbering:

Number	Meaning
010-090	Developmental, not for degree credit.
100-299	Level I, Lower Division (intended for freshmen and sophomores).
300-499	Level II, Upper Division (intended for juniors and seniors).
500-699	Graduate level but can be paired with undergraduate level.
700-899	Master's level, open to graduate students only.

Courses with an "X" at the end of the number (i.e. 100X) indicate that they are part of a flexible option program.

Grades

At UW-Parkside, letter grades are used, including plus (+) and minus (-) grades. Each letter grade carries a certain number of quality points per credit. A grade of B, for example, is worth three quality points per credit, so that a student receiving a B in a 3-credit course/flexible option competency sets/projects would have earned nine quality points. See Table 1 (above) for a scale of grades and points used by the university.

Table 1. Grades
Total Quality Points

Grade	Meaning	1cr	2cr	3cr	4cr	5cr
A	Excellent	4.00	8.00	12.00	16.00	20.00
A-		3.67	7.34	11.01	14.68	18.35
B+		3.33	6.66	9.99	13.32	16.65
B	Good	3.00	6.00	9.00	12.00	15.00
B-		2.67	5.34	8.01	10.68	13.35
C+		2.33	4.66	6.99	9.32	11.65
C	Satisfactory	2.00	4.00	6.00	8.00	10.00
C-		1.67	3.34	5.01	6.68	8.35
D+		1.33	2.66	3.99	5.32	6.65
D	Poor	1.00	2.00	3.00	4.00	5.00
D-		0.67	1.34	2.01	2.68	3.35
F	Failure	0.00	0.00	0.00	0.00	0.00
MD[1]	Mastered with Distinction	4.00	8.00	12.00	16.00	20.00
M[1]	Mastered	3.00	6.00	9.00	12.00	15.00

[1] Grades utilized in the flexible option degree-completion program only.

The following grades are assigned no grade points and are not counted when the GPA is calculated.

Grade	Definition
AUD	Audit Satisfactory
AU-	Audit Unsatisfactory
CR	For credit only
I	Incomplete (temporary)
IX	Incomplete Extended (temporary)
IP	In progress (used for incoming transfer credits only)
NA	Not Attempted (for flexible option competencies only)[1]
N/C	No credit awarded
NG	Not graded
NR	No report submitted (temporary)
PR[1]	Progress (for Flexible Option Program only)
RT	Retaken
S	Satisfactory (only for special circumstances)
U	Unsatisfactory (only for special circumstances)
W	Withdrawn

[1] Please check the website for more details of comparable Flexible Option Program policies and guidelines.

Unusual Grades

Audit (AUD/AU-)
This grade is assigned for satisfactory or unsatisfactory performance by students who are auditing a course.

Credit (CR) / No Credit (N/C)
These grades designate satisfactory or unsatisfactory performance in the special credit/no-credit courses described earlier.

Incomplete (I)
This temporary grade is assigned to courses/flexible option competency sets/projects for students who, due to extraordinary circumstances (e.g. family/medical emergencies), have requested an incomplete for a course/flexible option competency sets/projects that is near completion to allow the student extra time to complete. A grade of Incomplete is assigned at the discretion of the instructor, guided by the following policies:

- A grade of Incomplete may be reported for a student who has maintained a passing grade until near the end of the course/project and who then, because of unusual and substantiated cause beyond the student's control, is unable to take or complete the final examination, or to complete some limited amount of work. The grade of Incomplete must be accompanied by the instructor's description of the work that has yet to be completed.
- Normally a request for an incomplete must be made by the student to the instructor prior to the final day of the term/subscription period. However, an Incomplete may be initiated by an instructor on a student's behalf if the instructor believes there is cause to do so.
- The amount of time a student has to complete the work and remove the grade of Incomplete shall be at the discretion of the instructor. Normally that time period shall not extend beyond the last day of classes of the following term/subscription period. Summer school is not counted as a semester for purposes of removing the grade of Incomplete.
- If the Incomplete is not removed within the specified time, the Incomplete will lapse to an F at the end of the term following the term in which the Incomplete was assigned. Flexible option Incompletes will lapse to a grade of PR at the end of three months.
- Flexible option program students requesting an Incomplete must submit official documentation related to the extraordinary circumstances within 30 calendar days of the end of the subscription period. Students receiving a grade of Incomplete must master the project within three months of the end of the subscription period in which the grade was recorded. An Incomplete project that is not mastered within three months will be changed to a grade of PR. A request to change an already recorded grade to a grade of Incomplete will not be carried out unless the instructor files a Request for an Incomplete
- A student will not graduate with an Incomplete on his/her transcript if failure in that course/project would make the student ineligible to graduate.

Mastered (M)
This is a permanent grade assigned in the flexible option degree degree-completion program when a student meets or exceeds the stated criteria for mastery of a project.[1]

Mastered with Distinction (MD)
This is a permanent grade assigned in the flexible option degree degree-completion program when a student reaches a distinguished level of achievement for the stated criteria for mastery of a project.[1]

Not Attempted (NA)
This is a permanent grade assigned to flexible option program competencies when a student does not attempt the competency during the subscription period in which they are registered. This grade is permanent during an individual subscription period but does not count toward degree or calculation of grade point average because it is a competency level grade rather than at a competency set level.[1]

No Report Submitted (NR)
This temporary grade is assigned to indicate that the grade for a particular class was not reported by the grading deadline for the semester. If no grade is submitted by the instructor before the last day of classes for the next semester (summer school is not counted as a semester for this purpose) a grade of NR shall become a permanent grade of F with normal effect on the student's GPA and earned credits.

Progress (PR)
This is a permanent grade assigned in flexible option programs when a student completes part but not all of the requirements toward competency/mastery by the end of the subscription period. This grade is permanent but does not count toward degree or calculation of grade point average.[1]

Withdrawn (W)
This is a permanent grade assigned for a student who drops a course after the fourth week of a semester. In the case of time frames that are less than a semester in length such as winterim, summer, or flexible option subscription periods, the W notation will be applied if the drop occurs after one-third of the class/subscription period has passed. For students in a flexible option program, a W notation will be applied if they withdraw from a project after the 25th day of the first month of the subscription period through the 15th of the second month. Withdrawals are not awarded after the 15th day of the second month.

[1] Please check the website for more details of comparable Flexible Option Program policies and guidelines.

Grade Point Average (GPA)
To make it possible to compute term/subscription period, and cumulative averages for grades in courses/flexible option projects or competency sets carrying various amounts of credit, each letter grade carries a certain number of quality points per credit. A grade of A, for example, is worth four quality points per credit, so that a student receiving an A in a 3-credit course will have earned 12 quality points.

The GPA is calculated by dividing the total number of quality points earned by the total number of credits attempted. Even grades in courses not counting toward the total number of credits required for graduation (120 for bachelor's, 60 for associate) are included, but audited courses, credit/no-credit courses, and physical education courses beyond the limits listed under Degree Requirements are not. The official cumulative degree GPA is also calculated on transfer credits and, for major and graduation requirements and commencement honors, on the combination of transfer and UW-Parkside credits. The transfer and combined GPAs do not appear on the UW-Parkside transcript. These GPAs are available on the Academic Advising Report (AAR).

Grade Changes
Except in the case of a demonstrated error on the part of the instructor or the Office of the Registrar, a recorded grade will not normally be changed. All grade changes require the approval of the instructor, department chair

and college dean. A grade assigned at another institution will not be deleted or changed at UW-Parkside.

The Office of the Registrar will not change any grade or implement any change of grade requests after the last day of instruction in the term/subscription period (excluding summer) following the term/subscription period in which the grade was originally assigned. If a student or faculty member feels that there is just cause to change a grade at a later date they can use the grade appeals process.

Academic Forgiveness Policy

Academic forgiveness is a policy that applies to an undergraduate student with a poor academic record from earlier college or university work. The goal of this policy is to lighten the burden of poor prior performance once the student has demonstrated her/his ability to succeed academically. This process is initiated by making a formal application for academic forgiveness to the Office of the Registrar. The following requirements and stipulations apply:

1. To be eligible for academic forgiveness, a student must:
   a. be a currently enrolled degree-seeking student at UW- Parkside;
   b. have at least a 2.0 cumulative UWP grade point average in the most recent 12 credits taken at Parkside;
   c. have completed the course work five (5) or more years prior to the semester/subscription period in which the application for academic forgiveness was received;
   d. not have earned a degree, including an associate degree.
2. Consequences of applying academic forgiveness:
   a. beginning with the earliest term (semester, quarter, subscription period) only the first 30 credits of courses completed five (5) or more years ago will qualify for academic forgiveness;
   b. only courses with a grade of D+ and lower may be forgiven;
   c. the student may not choose the courses to be forgiven;
   d. the UW-Parkside cumulative, semester/subscription period, and cumulative degree grade point averages will no longer include forgiven courses; however, all forgiven courses and the grades received will appear on the student's record;
   e. forgiven courses will not count toward major, graduation requirements or to determine graduation honors;
   f. a student may be granted academic forgiveness only once, and once granted, is irrevocable.

Grade Appeals Procedure

Sometimes a student believes that the grade received is not consistent with his/her performance. The process of appealing final grades involves a series of steps.

1. The student shall first discuss the grade with the instructor and attempt to resolve any differences informally. The aim of such a conference is to reach mutual understanding about the grade and the process by which it was assigned, and to correct errors, if any, in the grade. If for any reason the instructor cannot be contacted, the department chair shall designate a faculty member to act for the instructor.
2. If, after conferring with the instructor, the student still believes that the grade is inappropriate, the student may submit a claim in writing to the appropriate department chair/program director, who shall consult with both the instructor and the student separately or together, in an effort to reach an understanding and resolution of the matter. This must be done before the end of the term/subscription period following the one in which the grade was received (excluding summer session). (**Note:** If the department chair is the instructor whose grade is being appealed, the departmental executive committee shall designate another member of the departmental executive committee to assume the department chair's role in this process.) For courses housed in an academic center, the center director shall assume the department chair's role prescribed for this process; the center steering committee shall assume the departmental executive committee's role. In the case of a grade given in a course housed neither in a department nor in an academic center, the student may, after conferring with the instructor, submit a claim in writing to the Academic Actions Committee.
3. If steps one or two do not resolve the problem, the department chair shall submit the student's written claim to the instructor, who shall prepare a written response. A copy of this response shall be furnished to the student by the department chair.
4. If, after receipt of the instructor's response, the student is still dissatisfied, the student shall notify the department chair of this within seven working days.
5. The department chair, in consultation with the departmental executive committee, shall appoint a grade review committee consisting of two faculty members and one student. The student member shall be recommended by the UW-Parkside Student Government.
6. The student and the instructor shall provide the review committee and each other with access to any of the student's course work in their possession. Both the student and the instructor shall be given an opportunity to appear before the committee and present evidence to support their positions. In this process, the burden of proof is upon the student, and the committee shall recommend a grade change only if clear and convincing evidence of misgrading has been presented.
7. The review committee shall decide either that the grade was appropriate and shall stand as assigned, or that the grade was inappropriate and should be changed to the grade stipulated by the review committee. The review committee shall present its decision to the department chair, who shall inform both the student and the instructor of the review committee's decision and initiate a grade change if appropriate.
8. If the student wishes to appeal the decision of the department grade review committee, the student shall submit a letter to the dean of the appropriate college or school within five working days. The dean shall then appoint an ad hoc grade review committee of two faculty from outside the department in question and one student representative recommended by the UW-Parkside Student Government. The committee shall report its decision to the dean, who shall direct a grade change, if necessary.

Academic Standing Policy

UW-Parkside is committed to student success. As such, UW-Parkside expects every undergraduate student to maintain good academic standing. Generally, a student is in good academic standing when their cumulative Parkside GPA is 2.00 or higher. The cumulative Parkside GPA includes grades earned in all courses taken at UW-Parkside. Students who fail to maintain this minimum GPA will face academic probation or suspension.

Please note that while a student's degree GPA (cumulative GPA for all UW-Parkside and transfer credits) is not included as part of the determination of academic standing, students must have a degree GPA of 2.00 or higher in order to graduate with an undergraduate degree from UW-Parkside.

Academic standing will be calculated at the end of fall, spring, and summer terms; academic standing will not be calculated following winterim. Academic standing will also be calculated as a result of any grade changes. For UW Flexible Option programs, academic standing will be calculated at the end of each subscription period. Students can determine their academic standing using the criteria below.

Good Academic Standing

A student is in good academic standing when their cumulative Parkside GPA is 2.00 or higher, regardless of term/subscription period GPA.

Academic Probation

A student will be placed on academic probation when their cumulative Parkside GPA falls below 2.00.

A student who is on academic probation and earns a term/subscription period GPA of 2.00 or higher but whose cumulative Parkside GPA is lower than 2.00 will continue on academic probation.

A student who is on academic probation, earns a term/subscription period GPA of lower than 2.00, and whose cumulative Parkside GPA is lower than 2.00 is placed on academic suspension.

Academic Suspension

A student will be placed on academic suspension if they were on academic probation, they earned a term/subscription period GPA of lower than 2.00, and their cumulative Parkside GPA is lower than 2.00. The student is suspended for at least one year.

Readmission Following an Academic Suspension

Students may apply for readmission following the one-year suspension period by completing the UW System re-entry application.

A student who has not attended any other institution following their suspension will be readmitted to the university on academic probation.

A student who has attended another institution following their suspension must submit an official transcript from that institution. The Office of Admissions will follow their standard comprehensive review process to make readmission decisions based on transfer coursework completed after the academic suspension. A student who is readmitted will be readmitted on probation.

Students who feel that exceptional circumstances justify immediate or early reinstatement (readmission prior to the conclusion of one year) may submit an appeal to the Academic Actions Committee. Information regarding the appeal process is available on the UW-Parkside website.

Appeals from students in the UW Flexible Option programs will be reviewed in consultation with the UW Flexible Option Academic Academic Actions Committee.

Academic Honors for Undergraduate Students

For information about honors for graduate students, consult the graduate section of this catalog.

The Provost's List

The university recognizes outstanding academic performance of degree-seeking undergraduate students by publishing a Provost's List at the end of the fall and spring semesters.

Students whose names appear on this list will be notified in writing, and a notation is recorded on their transcripts. The list includes all degree-seeking undergraduate students who have taken 9 credits or more and attained a semester GPA of 3.80 or higher at UW-Parkside excluding courses which do not count toward graduation. There is no Provost's List during the summer or winterim sessions, or for students in flexible option programs.

The Dean's List

The university recognizes outstanding academic performance of degree-seeking undergraduate students by publishing a Dean's List at the end of the fall and spring semesters. Students whose names appear on the list will be notified in writing, and a notation is recorded on their transcripts. The list includes all degree-seeking undergraduate students who have taken 9 credits or more and attained a semester GPA of 3.50 or higher at UW-Parkside. There is no Dean's List during the summer or winterim sessions, or for students in flexible option programs.

Graduation with Honors

Bachelor's degree students with outstanding cumulative GPAs, calculated including transfer credits, are graduated with honors. UW-Parkside uses the traditional Latin terms in recording these distinctions:

1. Cum laude (cumulative GPA of 3.50 or higher but lower than 3.70)
2. Magna cum laude (cumulative GPA of 3.70 or higher but lower than 3.90)
3. Summa cum laude (cumulative GPA of 3.90 or higher)

All credits are used in calculating the GPA for honors except credits that have been academically forgiven.

Phi Eta Sigma

The university chapter of Phi Eta Sigma recognizes academic achievement by students during their first year of study. To be eligible, students must attain a GPA of 3.50 during either semester of their first year of study (transfer students may accumulate no more than 20 credits prior to the semester of eligibility) and be a full-time student (12 or more credit hours) remedial course work is not included in GPA or credit load. Upon induction into this national academic honor society, members receive lifetime membership and become eligible for additional scholarships.

Transcripts

A transcript is an official record of a student's academic activity. It reflects a student's courses and grades, and it provides other academic data, such as semester/subscription period and cumulative GPAs, academic status, honors a student may have earned, and degrees a student may have been awarded.

Each institution defines what makes its transcript official. At UW-Parkside, an official transcript is printed on special transcript paper, bears the registrar's signature, the university's seal, and is issued in a sealed envelope. If the envelope is opened before it is submitted to the office for which it is intended, it is no longer considered official. Some institutions and agencies will not accept a transcript as official unless it arrives from the granting institution by mail.

UW-Parkside requires that students seeking admission to the university submit official transcripts from high school and any other colleges they may have attended. Employers, graduate schools and other universities to which students are applying may require an official copy of the student's UW-Parkside transcript.

Under the Family Educational Rights and Privacy Act of 1974 (FERPA) as amended, the student's record is confidential and UW-Parkside will not release a student's academic transcript without proper authorization from the student.

An official transcript of a student's record is issued only by the Office of the Registrar. UW-Parkside has partnered with Parchment to provide a fast and secure online transcript ordering service that is available to our students/alumni 24 hours a day, 7 days a week.

The student can order a transcript at any time, even if there is an outstanding financial obligation to UW-Parkside, however, the request will not be processed until the obligation has been met and the related hold on the student's record is released by UW-Parkside.

Please see the Office of the Registrar's webpage for more information about how to order a transcript.

Access to Student Records

Under the Family Educational Rights and Privacy Act of 1974 (FERPA), students are entitled to review "official records, files, and data directly related to them" which the university maintains. The university has 45 days to comply with students' written requests to review their records. Students may request a hearing regarding any alleged "inaccurate, misleading, or inappropriate" information in their official records and files. The university will not release information from students records to a third party without the student's written consent except as permitted by section 99.34, (a) (ii) of the Privacy Act. In accordance with this section, the university will forward student records when requested by a school in which the student seeks to enroll.

A challenge to information students deem erroneous or misleading should be made in writing and directed to the dean or director of the appropriate office so that a hearing can be scheduled. In most cases, the decision of the dean or director will be final. If students find the decision unsatisfactory, they may place a statement in their file setting forth any reasons for disagreeing with the decision. A student's right to challenge information of record does not extend to review of grades received unless the grade assigned by the professor was inaccurately recorded in the student's records.

In addition, the FERPA designates "directory information" data that can be published or released routinely by the university to any inquirer. Directory information items are: name; address; telephone number; date of birth; major field of study; participation in officially recognized activities and sports; weight and height of members of athletic teams; dates of attendance to include current classification, and withdrawal dates; degrees and awards received; the most recent education agency or institution attended; initial registration date and e-mail address. Any other information will not be given out without the students' specific written permission except for various legitimate educational interest or legal reasons.

Students have the right to inform the university that the above listed directory information should not be released without students' prior consent. If students wish to restrict the release of this information, they must complete and submit the appropriate form in the Office of the Registrar. These FERPA holds remain in effect until the students submit a request in writing to remove them.

UNDERGRADUATE PROGRAMS

Academic Programs

UW-Parkside offers approximately 40 undergraduate academic majors as well as a number of pre-professional programs; education licensure; and specialized programs such as environmental studies, sustainable management, ethnic studies and women's, gender and sexuality studies. A consortial program is offered in nursing. The university's academic programs are organized under four Colleges: Arts and Humanities; Business, Economics, and Computing; Natural and Health Sciences; and Social Sciences and Professional Studies. UW-Parkside is accredited by the Higher Learning Commission and is a member of the North Central Association. For information on UW-Parkside graduate programs see the Graduate Programs and Policies section of this catalog.

Majors for Bachelor's Degrees

In order to graduate with a bachelor's degree, every degree-seeking student must complete a major with a minimum GPA as specified by the major department or program. Usually, this minimum major GPA is 2.00 on a 4.00 scale, but some majors require a higher GPA. Students with transfer work must also attain the minimum major GPA (2.00) on a combination of transfer credits accepted toward the major and credits attempted toward the major at UW- Parkside. At least 15 credits of upper level (300 or above) major course work must be completed at UW-Parkside.

UW-Parkside offers the following majors:

- Accounting Major (BS) (p. 74)
- Anthropology Major (BA) (p. 165)
- Applied Health Sciences Major (BS) (p. 183)
- Art Major (BA) (p. 35)
- Biological Sciences Major (BS) (p. 57)
- Business Management Major (BS) (p. 76)
- Business Management Major Online Degree Completion Program (BS) (p. 78)
- Chemistry Major (BS) (p. 90)
- Communication Major (BA) (p. 98)
- Computer Science Major (BS) (p. 109)
- Computer Science/Mathematics Double Major (BS) (p. 111)
- Criminal Justice Major (BA) (p. 119)
- Early Childhood Education Major (BS) (p. 333)
- Economics Major (BA) (p. 123)
- Elementary Education Major (BS) (p. 335)
- English Major (BA) (p. 133)
- Environmental Studies Major (BS) (p. 141)
- Geography Major (BA) (p. 166)
- Geosciences Major (BS) (p. 175)
- Graphic Design Major (BA) (p. 38)
- Health Information Management and Technology Major (BS) (p. 187)
- History Major (BA) (p. 207)
- International Studies Major (BA) (p. 211)
- Kinesiology & Sport Performance Major (BS) (p. 197)
- Leadership and Personalized Studies Major Online Degree Completion Program (BA) (p. 220)
- Leadership and Personalized Studies Major (BA) (p. 222)
- Management Information Systems (MIS) Major (BS) (p. 80)
- Marketing Major (BS) (p. 82)
- Mathematics Major (BS) (p. 238)
- Molecular Biology and Bioinformatics Major (BS) (p. 62)
- Music Major (BA) (p. 276)
- Nursing Major (BS) (p. 358)
- Philosophy Major (BA) (p. 286)
- Physics Major (BS) (p. 240)
- Political Science Major (BA) (p. 287)
- Psychology Major (BS) (p. 302)
- Psychology Major Online Degree Completion Program (BS) (p. 305)
- Secondary Education Major (BS) (p. 338)
- Sociology Major (BA) (p. 313)
- Sociology Major Online Degree Completion Program (BA) (p. 315)
- Spanish Major (BA) (p. 246)
- Special Education Major (BS) (p. 339)
- Sport Management Major (BS) (p. 199)
- Sustainable Management Major (BS) (p. 324)
- Theatre Arts Major (BA) (p. 349)

Concentrations for Bachelor's Degree Majors

A number of undergraduate majors provide students with the option to pursue an area of emphasis within the major called a concentration. Some majors require a student to choose a concentration, others provide them as an option to enhance their major. Concentrations are declared, changed or removed by filing the same plan declaration form used for declaring majors.

The following concentrations are offered by majors at UW-Parkside:

Applied Health Sciences Major (https://catalog.uwp.edu/programs/applied-health-sciences/applied-health-sciences-major/)[1]

- Medical Laboratory Sciences
- Pre-Athletic Training
- Pre-Chiropractic
- Pre-General Health
- Pre-Occupational Therapy
- Pre-Physician Assistant
- Pre-Physical Therapy
- Pre-Public Health
- Radiologic Science: Available beginning Fall 2025

Art Major (p. 35)

- Art Education
- Interdisciplinary Art
- Three Dimensional Studio Art
- Two Dimensional Studio Art

Biological Sciences Major (p. 57)

- Ecology and Evolution
- General Biology
- Pre-Health Professions

Business Management Major (p. 76)[1]

- Finance
- General Business

- Human Resource Management
- Supply Chain Management, Logistics, and Analytics

Business Management Major Online Completion Program (p. 78)[1]
- General Business

Chemistry Major (p. 90)[1]
- Biochemistry
- General Chemistry
- Industrial Chemistry
- Natural Products
- Pre-Health Professions
- Professional Chemistry

Economics Major (p. 123)
- Monetary and Financial Economics
- Quantitative Economics

English Major (p. 133)
- Film and Cultural Studies
- Language Arts

Environmental Studies Major (p. 141)[1]
- Environmental Biology
- Environmental Chemistry
- Environmental General
- Environmental Geography
- Environmental Geology
- Environmental Policy and Society

Geography Major (p. 166)
- Anthropology: Declarations of the this concentration have been suspended beginning Fall 2024.
- Applied Environmental Geography
- Planning

Geosciences Major (p. 175)[1]
- Earth Science
- Environmental Geosciences

Health Information Management and Technology Major (https://catalog.uwp.edu/programs/health-information-management-technology/health-information-management-technology-major/)[1]
- Healthcare Management
- Healthcare Technology

Leadership and Personalized Studies Major (p. 222)[1]
- Humanities
- Leadership and Organizational Studies
- Social Science Studies
- Women's, Gender and Sexuality Studies
- Individually Designed

Leadership and Personalized Studies Major Online (p. 220)[1]
- Leadership and Organizational Studies
- Social Science Studies
- Individually Designed

Marketing (p. 82)[1]
- Business to Business Sales and Marketing
- Business to Consumer and Digital Marketing
- General Marketing

Music Major (p. 276)[1]
- Contemporary Commercial Music
- Jazz Studies and Performance
- Liberal Arts
- Music Education
- Music Performance

Political Science Major (p. 287)
- Law

Psychology Major (p. 302)
- Neuroscience

Spanish Major (p. 246)
- Spanish Language Education

Theatre Arts Major (p. 349)
- Acting
- Design and Technology
- Direction
- Musical Theatre
- Stage Management

[1] Major requires a concentration.

Majors for Associate Degrees

In order to graduate with an associate degree, every degree-seeking student must complete a major with a minimum GPA as specified by the major department or program. Usually, this minimum major GPA is 2.00 on a 4.00 scale, but some majors require a higher GPA. Students with transfer work must also attain the minimum major GPA (2.00) on a combination of transfer credits accepted toward the major and credits attempted toward the major at UW- Parkside. Associate degree-seeking students must earn a minimum of 15 credits as degree seeking students at UW-Parkside toward their associate degree.

UW-Parkside offers the following majors for associate programs:

- Arts and Sciences (AAS) (p. 44)
- Financial Economics (AS) (p. 45)
- Green Chemistry (AS) (p. 46)
- Laboratory Sciences (AS) (p. 47)
- Leadership and Personalized Studies (AA) (p. 48)
- Military and Security Studies (AA) (p. 48)
- Physics (AS) (p. 50)
- Professional Studies (AA) (p. 51)

Minor Programs

UW-Parkside offers over 50 undergraduate minors, which consist of a formally approved program of 15 or more credits. A minor is not required for graduation.

Minors are declared, changed or removed by filing the same plan declaration form used for declaring majors. Course work in the

minor must be completed with the minimum GPA as specified by the department or program under which the minor falls, usually a 2.00 on a 4.00 scale, but higher in some programs. Transfer students must attain the minimum specified GPA on a combination of transfer credits accepted toward the minor and credits attempted at UW-Parkside. At least half of the course work for the minor must be completed at UW-Parkside.

UW-Parkside offers the following minors:

- Anthropology Minor (p. 168)
- Biological Sciences Minor (p. 64)
- Business Management Minor (p. 84)
- Chemistry for Pre-Health Professions Minor (p. 93)
- Chemistry Minor (p. 93)
- Coaching Minor (p. 201)
- Communication Minor (p. 100)
- Computer Science Minor (p. 112)
- Criminal Justice Minor (p. 120)
- Dance Minor (p. 352)
- Digital Media and Production Minor (p. 100)
- Economics Minor (p. 127)
- English as a Second Language Minor (p. 342)
- English Language Arts for Elementary Education Minor (p. 137)
- English Language Arts for Secondary Education Minor (p. 138)
- English Minor (p. 138)
- Environmental Studies Minor (p. 143)
- Ethnic Studies Minor (p. 147)
- French Minor (p. 247)
- Freshwater Resources Minor (p. 144)
- Geographic Information Systems (GIS) Minor (p. 169)
- Geography Minor (p. 170)
- Geosciences Minor (p. 177)
- Graphic Design Minor (p. 41)
- Health Psychology Minor (p. 305)
- History Minor (p. 209)
- International Studies Minor (p. 214)
- Kinesiology and Sport Performance Minor (p. 202)
- Legal Studies Minor (p. 290)
- Management Information Systems Minor (p. 84)
- Mathematics Minor (p. 241)
- Medical Spanish Minor (p. 247)
- Military Leadership Minor (p. 298)
- Music Minor (p. 279)
- Organizational Communication Minor (p. 101)
- Philosophy Minor (p. 290)
- Philosophy of Natural Science Minor (p. 291)
- Physics Minor (p. 241)
- Political Science Minor (p. 291)
- Psychology Minor (p. 306)
- Public Policy Studies Minor (p. 291)
- Public Relations Minor (p. 101)
- Social Studies Education Minor (p. 342)
- Sociology Minor (p. 317)
- Spanish Minor (p. 248)
- Sport Management Minor (p. 202)
- Sports Communication Minor (p. 102)
- Studio Art Minor (p. 41)
- Theatre Arts Minor (p. 352)
- Web Development Minor (p. 113)
- Women's, Gender and Sexuality Studies Minor (p. 366)
- World Politics Minor (p. 292)

Undergraduate Certificate Programs

Certificate programs are designed to develop a particular expertise or set of skills and normally consist of 9 or more credits. A minimum of nine credits in a certificate program must be taken at UW-Parkside. Individual departments and programs may require more than nine credits to be taken at UW-Parkside. Both degree-seeking and non-degree seeking students may pursue certificate programs. Certificate programs should not be confused with certification or licensure programs which lead to certification by an outside agency. Certificates are declared, changed, or removed by filing the same plan declaration form used for declaring majors.

UW-Parkside offers the following certificates:

- Adaptations to Global Climate Change Certificate (p. 170)
- Applied Archaeology Certificate (p. 171)
- Art History Certificate (p. 42)
- Campaigns Certificate (p. 292)
- Child and Adolescent Development Certificate (p. 306)
- Child and Family Advocacy Certificate (p. 317)
- Community Engagement Certificate (p. 104)
- Creative Writing Certificate (p. 138)
- Cybersecurity Certificate (p. 113)
- Data Science Certificate (p. 114)
- Design Certificate (p. 42)
- Digital Design and Fabrication Certificate (p. 43)
- Digital Media and Production Certificate (p. 102)
- Diversity and Inclusion Certificate (p. 318)
- Environmental Sustainability Certificate (p. 325)
- eSports and Gaming Certificate (p. 298)
- Ethics Certificate (p. 292)
- Film Studies Certificate (p. 139)
- Forensic Anthropology Certificate (p. 171)
- Freshwater Resources Certificate (p. 145)
- Geographic Information Systems Certificate (p. 172)
- Gerontology Certificate (p. 318)
- Global Skills Certificate (p. 216)
- Governmental Affairs Certificate (p. 293)
- Green Chemistry Certificate (p. 93)
- Health and Society Certificate (p. 319)
- Health Information Management Certificate (p. 188)
- History of Western Ideas Certificate (p. 293)
- Leadership Certificate (p. 225)
- Linux System Administration Certificate (p. 114)
- Mental Health Skills Certificate (p. 307)

- Mobile Development Certificate (p. 115)
- Museum Studies Certificate (p. 172)
- Neuroscience Certificate (p. 307)
- Professional Writing and Communication Certificate (p. 139)
- Program Evaluation Certificate (p. 319)
- Project Management Certificate (p. 85)
- Psychological Research Certificate (p. 308)
- Sales Certificate (p. 85)
- Social Justice Certificate (p. 320)
- Sport Sales Certificate (p. 203)
- Supply Chain Management, Logistics, and Analytics Certificate (p. 86)
- Sustainable Enterprise Certificate (p. 325)
- Urban Studies Certificate (p. 320)
- Web Development Certificate (p. 115)

Flexible Option Programs

The UW Flexible Option is an innovative way to make degree and certificate programs more accessible, convenient, and affordable for adult and nontraditional students. The UW Flexible Option includes self-paced, competency-based degree and certificate programs that allow students to make progress by demonstrating what they know, whether that knowledge was gained through prior coursework, military training, on-the-job training, or other learning experiences.

- Agile Project Management Certificate Flexible Option (p. 155)
- Business Administration Major (BS) Flexible Option (p. 153)
- Business Analytics Certificate Flexible Option (p. 156)

Concentrations for Flexible Option Bachelor's Degree Major

A number of undergraduate majors provide students with the option to pursue an area of emphasis within the major called a concentration. Some majors require a student to choose a concentration, others provide them as an option to enhance their major. Concentrations are declared, changed or removed by filing the same plan declaration form used for declaring majors.

Business Administration Major (BS) Flexible Option Concentrations

- General Business Administration
- Business Analytics
- Agile Project Management

Pre-Professional Interests

Pre-professional interests pertain to preparation for professional study and to undergraduate interests not corresponding to UW-Parkside programs. A student may indicate one interest by submitting a plan declaration form to the department and may drop an interest or exchange interests by submitting another form. Special pre-professional advisors are assigned to pre-professional interest students. For those professions requiring an undergraduate degree prior to entry to professional school, students must also declare an academic major and any minor they plan to complete. As a result, students may be assigned to both an academic advisor and a pre-professional advisor.

Pre-Professional Programs

UW-Parkside offers special advising for students with pre-professional interests in the following areas:

- Architecture
- Athletic Training
- Chiropractic Medicine[1]
- Dentistry[1]
- Engineering[2]
- Genetic Counseling[1]
- Health Professions[1]
- Kinesiology
- Law
- Medicine (M.D. and D.O.)[1]
- Occupational Therapy[1]
- Optometry[1]
- Pathology Assistant[1]
- Pharmacy[1]
- Physical Therapy[1]
- Physician Assistant[1]
- Podiatry[1]
- Veterinary Medicine[1]

[1] Because of the intensely competitive nature of the pre-health fields, students with 30 or more credits must maintain a cumulative GPA of at least 2.50 to be eligible for special advising in these interest areas. Students with GPAs below 2.50 will be counseled to re-evaluate their career plans and will be referred to the academic department of their chosen major and/or the Advising and Career Center for advice.

[2] The articulated pre-engineering/engineering agreement with UW-Milwaukee (UWM) creates a curriculum plan for students at UW-Parkside to complete and transfer coursework toward the first two years of a specified UWM engineering major in the College of Engineering and Applied Science (CEAS), and provides guaranteed transfer to students who complete all articulated pre-engineering courses and UWM admission requirements.

Teacher Education Program

Contact the teacher education advisor for detailed and current information regarding all licensure programs, or visit our website.

Online Programs

Undergraduate degree-completion programs:

Online degree-completion programs enable students with at least 60 transfer credits to earn their bachelor's degree by attending classes online.

- Business Management Major Online Degree Completion Program (B.S.) (p. 78)
- Health Information Management and Technology Major (B.S.) (https://catalog.uwp.edu/programs/health-information-management-technology/health-information-management-technology-major/)[1]
- Leadership and Personalized Studies Online Degree Completion Program (B.A.) (p. 220)
- Psychology Major Online Degree Completion Program (BS) (p. 305)

- Sociology Major Online Degree Completion Program (B.A.) (p. 315)
- Sustainable Management Major (B.S.) (p. 324)[1]

Associate Degree Programs:

Arts and Sciences (AAS) (p. 44)[1]

Undergraduate certificate programs:

- Environmental Sustainability Certificate (p. 325)[1]
- Health Information Management Certificate (p. 188)[1]
- Project Management Certificate (p. 85)
- Sustainable Enterprise Certificate (p. 325)[1]

[1] These programs are offered jointly by UW-Parkside and other UW partners.

Directed Study/Independent Study

Directed or independent study is available for credit in many majors and minors. It consists of focused study by an individual student or small team of students under the supervision of a faculty member. The value of directed or independent study is in focusing on a well-defined topic and working closely with a member of the faculty or teaching academic staff. Directed or independent study is generally not intended for students who are near the beginning of their academic program. An agreement must be signed between the student and the faculty supervisor and approved by the department chair or program director at the start of the directed or independent study. All directed or independent studies must conclude with a completed paper, project, report, or other product. Consult each program section of this catalog for details.

Internships

An internship is a supervised discipline related work experience that integrates career relevant leaning activities into a university education. Internships provide opportunities for students to develop and expand their knowledge and/or skills, gain experience in a work setting, put theory into practice, and expand awareness of potential careers. Internships often take place outside the university in a public or private-sector organization. Internships are offered for credit by most academic departments at the 400 level. Interns may be paid by the employer or may work as volunteers. An internship agreement describing the work involved, specific job duties, expected work products, and all required assignments must be in writing and signed by the student, faculty supervisor and the outside internship supervisor; and it must be approved by the department chair or program director by the start of the internship. An internship should include an experiential learning strategy, an emphasis on professional development, performance assessments, and student reflections. All internships must conclude with a completed paper, project, report or other product. Consult each program section of this catalog for details.

Air Force Reserve Officers' Training Corps (AFROTC)

UWP students have the opportunity to participate fully in the Air Force Reserve Officers Training Corps (AFROTC) Program through a partnership with the host Marquette University. Students enrolled in the Air Force ROTC program attend AFROTC courses at Marquette University. Through this program, UWP offers its students the opportunity to prepare for initial active duty assignments as Air Force Commissioned Officers. In order to receive a commission, AFROTC cadets must complete all university requirements for a degree and courses specified by the Air Force. AFROTC offers four- and three-year programs leading to a commission as an Air Force officer. Four-year program students complete the general military course and the professional officer course. Consult the Center for Professional Studies section of the catalog for more information.

Army Reserve Officers' Training Corps (AROTC) Program

UW-Parkside students have the opportunity to participate in the Army Reserve Officers' Training Corps (AROTC) through Marquette University. AROTC is a leadership development program consisting of three interconnected components:

1. on-campus,
2. off-campus and
3. the Leadership Development Program (LDP).

By design, the three components dovetail for seamless, progressive and sequential leader development and prepare men and women to receive commissions as second lieutenants in the U.S. Army, Army National Guard, or the U.S. Army Reserve. Consult the Center for Professional Studies section of the catalog for more information.

Parkside Access to College Credits (PACC) Program

The Parkside Access to College Credit Program (PACC) allows eligible high school students to earn college and high school credit simultaneously by taking and successfully completing designated courses at their high school, known as concurrent enrollment. By taking college credit in high school, students also set themselves apart by demonstrating that they can succeed in college-level classes. Go to https://www.uwp.edu/learn/departments/professionalstudies/pacc/.

Art and Design

Department website (https://www.uwp.edu/learn/departments/art/)

College: College of Arts & Humanities

Student Organizations/Clubs:

Art Club is the campus student organization that encourages a variety of student-directed events including a visiting artist series and an annual juried student exhibit to foster a greater awareness and participation in the visual arts.

AIGA (The Professional Organization for Design) The goal of this student group is to foster student involvement in the local design community, provide professional opportunities, and help students build leadership skills that will be valuable as they move into the professional world.

Career Possibilities:

Graphic designer, production designer, package designer, interactive designer, animator, illustrator, typographer, art historian, museum or gallery professional, art conservator, arts administrator, architect, freelance artist, studio artist, and public and private school art teacher. The major also prepares students for graduate studies and careers that require skills in creative problem solving, sophisticated visual communication, and independent thinking.

Department Overview

The Department of Art and Design at the University of Wisconsin-Parkside offers bachelor of arts degrees with majors in art and graphic design. These emphasize a thorough background in the visual arts with well-rounded experiences in both two and three dimensional studies, as well as in art history and visual culture.

Art and Design students work in well-equipped, new spacious studios with a faculty seriously committed to quality teaching as well as to production, exhibition and publication in their own areas of professional specialization. To complement the studio work, art history course offerings explore periods from prehistory to contemporary art and visual culture, including graphic design. Exhibits in the three modern art galleries located in the Rita Tallent Picken Regional Center for Arts and Humanities, as well as lectures and workshops by visiting exhibiting artists complement the studio and classroom experience. Upon graduation, art and design majors may continue professionally in quality graduate programs or enter one of many career options. There are also minors in graphic design and art as well as certificates in art history, design, and museum studies. Students planning employment as freelance designers or independent artists might consider adding a business certificate in business fundamentals.

Special Policies

Transfer students must have at least a 2.5 in their art and art history courses to be admitted into any department of art and design major; once admitted, required GPAs apply to graduation eligibility.

Students may double major in art and graphic design provided that the art major is one with a concentration. Art majors may earn a minor in graphic design; graphic design majors may not earn a minor in art.

Field trips to local and regional art centers may be required as partial fulfillment of any particular art course.

The Department of Art and Design reserves the right to retain selected examples of student work completed in studio courses or photographic images of work for educational, promotional, or exhibition purposes.

Studio fees may be required for certain courses to cover basic material expenses.

The Department of Art and Design faculty values the learning experience in the classroom and has specific policies pertaining to absenteeism and classroom conduct. In regard to these policies it is important for students to know that regular attendance in class is mandatory and unexcused absences will affect the student's final grade. Additionally, the Department of Art and Design expects its students to present an open, respectful, and professional attitude toward their course work, facilities, instructors and peers. Plagiarism in any form is not tolerated.

Courses in the Department of Art and Design may be audited only with approval of the instructor.

Programs Offered

- Art Major (BA) (p. 35)
- Graphic Design Major (BA) (p. 38)
- Graphic Design Minor (p. 41)
- Studio Art Minor (p. 41)
- Art History Certificate (p. 42)
- Design Certificate (p. 42)
- Digital Design and Fabrication Certificate (p. 43)
- Pre-Architecture (p. 43)

Art Major Concentrations

- Art Education
- Concentrations in Studio Art
  - Two Dimensional Studio Art
  - Three Dimensional Studio Art
  - Interdisciplinary

Museum Studies Certificate (p. 172)

A certificate in museum studies is also available. Please see the geography and anthropology section of the catalog for more information.

Web Development Certificate (p. 115)

A certificate in web development is available through the Computer Science Department. Please see the computer science section of the catalog for more information.

Courses in Art and Design

ART 100 | Foundations of Art and Visual Culture | 3 cr
Introduces basic concepts and techniques of visual analysis and explores key issues in art history and visual culture, including the Western canon, gender, multiculturalism, modern and contemporary art, and the meanings of high art, craft and design.
Prerequisites: None.
Offered: Fall, Spring.
Meets: Humanities and the Arts: ART, Humanities and the Arts: ART, Humanities and the Arts: ART, Humanities and the Arts: ART, Humanities and the Arts: ART

ART 102 | Introduction to Two Dimensional Design | 3 cr
Explores the visual language used in two-dimensional design, emphasizing the fundamental elements and principles of composition and color through lecture and studio problems.
Prerequisites: None.
Offered: Fall, Spring.
Meets: Humanities and the Arts: ART, Humanities and the Arts: ART, Humanities and the Arts: ART, Humanities and the Arts: ART, Humanities and the Arts: ART

ART 103 | Introduction to 3-D Design | 3 cr
Exploration of the visual language used in three-dimensional design emphasizing the fundamental elements and principles through lecture and studio problems in a variety of sculptural processes.
Prerequisites: None.
Offered: Fall, Spring.
Meets: Humanities and the Arts: ART, Humanities and the Arts: ART, Humanities and the Arts: ART, Humanities and the Arts: ART, Humanities and the Arts: ART

ART 104 | Introduction to Digital Art | 3 cr
Explores the digital visual language through various software programs used in the fields of digital art, graphic design, web design and digital fabrication, emphasizing the basic principles of composition through lecture and studio problems. Lab fee.
Prerequisites: None.
Offered: Fall, Spring.

ART 105 | Introduction to Graphic Design | 3 cr
Explores introductory graphic design topics through various software programs, studio problems and class lectures. Lab fee required.
Prerequisites: None.
Offered: Fall, Spring.

ART 122 | Introduction to Drawing | 3 cr
Exploration of the media and process of drawing to develop a visual language for representing visual imagery and cultivating perceptual and conceptual awareness.
Prerequisites: None.
Offered: Fall, Spring.
Meets: Humanities and the Arts: ART, Humanities and the Arts: ART, Humanities and the Arts: ART, Humanities and the Arts: ART, Humanities and the Arts: ART

ART 124 | Lowriders, Kicks, and Graffiti | 3 cr
Focuses on the art and visual culture of Latin Americans, Hispanic Americans, and African Americans during the past 40 years. Features shrines, murals, street art, fashion, film/video, and "fine" art. Explores movements and techniques behind various expressions seen in popular culture and museums. Requires lab fee.
Prerequisites: None.
Offered: Fall, Spring.
Meets: Humanities and the Arts: ART, Ethnic Diversity, Humanities and the Arts: ART, Ethnic Diversity, Humanities and the Arts: ART, Ethnic Diversity, Humanities and the Arts: ART, Ethnic Diversity, Humanities and the Arts: ART, Ethnic Diversity

ART 125 | Survey of World Art | 3 cr
Examines art history from the prehistoric era to the present with a global perspective. Covers the application visual analysis and to understand art in its social, political and historic contexts.
Prerequisites: None.
Offered: Fall, Spring.
Meets: Humanities and the Arts: ART, Humanities and the Arts: ART, Humanities and the Arts: ART, Humanities and the Arts: ART, Humanities and the Arts: ART

ART 203 | Beginning Ceramics | 3 cr
An introduction to the fundamental aesthetic concepts and technical methods of creating works in clay emphasizing historical and contemporary developments of ceramics. Students will be exposed to the basics of ceramics in wheel throwing, hand building, glazing and firing.
Prerequisites: ART 103 or consent of instructor.
Offered: Fall, Spring.

ART 226 | Modern Art and Graphic Design | 3 cr
Examines major movements and styles in art and graphic design since 1900 and introduces key critical concepts and theories used to understand and analyze this work.
Prerequisites: ART 100 or ART 125.
Offered: Fall, Spring.

ART 236 | Beginning Sculpture | 3 cr
Explores both historical and contemporary developments in sculpture emphasizing fundamental aesthetic concepts and technical methods. Students are directed through three basic techniques: reduction, addition, and casting.
Prerequisites: ART 103.
Offered: Fall.

ART 238 | Beginning Woodworking and Furniture Design | 3 cr
Introduction into the craft of woodworking as it specifically relates to the art of furniture making. Both functional and aesthetic considerations will be explored as well as the history of furniture over the centuries.
Prerequisites: ART 103 or consent of instructor.

ART 251 | Beginning Printmaking | 3 cr
Investigates the following print processed: relief, intaglio, monotype, serigraphy and lithography. Emphasizes historical developments and the contemporary role of print media, both formally and functionally.
Prerequisites: ART 102, ART 122.
Offered: Fall, Spring.

ART 274 | Typography I | 3 cr
Introduces the theories and history of typography within the context of graphic design. Lab fee required.
Prerequisites: ART 102, ART 104, and ART 105.
Offered: Fall, Spring.

ART 282 | Beginning Painting | 3 cr
Introduces the aesthetic, technical and thematic dimensions of oil painting as a fundamental visual language of expression from both traditional and contemporary perspectives.
Prerequisites: ART 102, 122.
Offered: Fall, Spring.

ART 287 | Topics in Graphic Design: | 3 cr
Explores selected topics in the field of graphic design. Focuses on diverse mediums, content, and projects.
Prerequisites: Varies with topic.
Offered: Occasionally.

ART 288 | Introductory Topics in Two-Dimensional Studio Art | 3 cr
Introduces special topics in two-dimensional media, including printmaking, painting, collage, photography, and book arts. Explores traditional and experimental materials and approaches. May repeat with different topic.
Prerequisites: ART 102, 122.
Offered: Occasionally.

ART 289 | Topics in Three-Dimensional Studio Art: | 3 cr
Special topics in three dimensional mediums including metals, fibers, ceramics, sculpture, woodworking, and book arts. Traditional and experimental materials and approaches will be explored. May be repeated for credit with different topic.
Prerequisites: Varies with topic.
Offered: Occasionally.

ART 290 | Special Topics in Art | 1-4 cr
Selected topics in the visual arts and their interrelationship will be studied. Lab fee varies with topic.
Prerequisites: Varies with topic.
Offered: Occasionally.

ART 299 | Independent Study | 1-4 cr
Special projects selected by student and approved by instructor. Includes a detailed project proposal. Lab fee varies with topic.
Prerequisites: Consent of instructor and department chair.
Offered: Fall, Spring, Summer.

ART 303 | Intermediate Ceramics | 3 cr
Further development of the fundamental aesthetic concepts and technical methods used in creating works in clay emphasizing historical and contemporary trends and artistic intent. Various firing methods will be addressed.
Prerequisites: ART 203.
Offered: Fall.

ART 315 | Anthropology of Non-Western Art | 3 cr
Examines indigenous arts and material culture with focus on functions of art related to social organization, belief systems and culture change; includes selected prehistoric and contemporary art forms. Cross-listed with: ANTH 315.
Prerequisites: ANTH 100 or ART 100 or ART 125.
Offered: Occasionally.

ART 322 | Intermediate Drawing | 3 cr
Explores the formal and conceptual possibilities of the drawn mark as a visual language incorporating historical references both traditional and contemporary.
Prerequisites: ART 102, ART 122.
Offered: Occasionally.

ART 325 | Art Methods for Elementary-Middle | 3 cr
Covers theory, practice and methods for elementary and middle school level art education.
Prerequisites: Concurrent with EDU 430; consent of instructor.
Offered: Spring.

ART 326 | Art Methods for High School | 3 cr
Covers theory, practice and methods for high school level art education.
Prerequisites: Concurrent with EDU 440; consent of instructor.
Offered: Fall.

ART 331 | Life Drawing | 3 cr
Investigates the human form using diverse media with an emphasis on structural, anatomical, and personal expressive analysis.
Prerequisites: ART 102, ART 122.
Offered: Occasionally.

ART 336 | Intermediate sculpture | 3 cr
Further exploration of aesthetic concepts and technical methods used in sculpture while selecting from an expanded range of processes embracing fabrication, carving and casting.
Prerequisites: ART 236.
Offered: Spring.

ART 338 | Intermediate Woodworking and Furniture Design | 3 cr
Further exploration of design concepts in addition to the introduction of alternative joinery methods and materials as they relate to the craft of furniture making.
Prerequisites: ART 238 or consent of instructor.
Offered: Spring.

ART 351 | Intermediate Printmaking | 3 cr
Studies the aesthetic and technical principles of printmaking focusing on lithography, both stone and plate.
Prerequisites: ART 251.
Offered: Fall, Spring.

ART 370 | Digital Fabrication II | 3 cr
Expands upon 2D CAD and manufactoring with advanced techniques in 3D CAD/CAM and fabrication processes. Introduces 3D techniques in CNC milling and routing. Requires lab fee.
Prerequisites: One of: ART 104, DFAB 170 or 171 or 172 or 270 or consent of instructor.
Offered: Fall.

ART 371 | Digital Photography | 3 cr
Investigates the creative practice of digital photography for both print and screen. Emphasizes conceptual development as it relates to the medium and students' own creative visions. Requires lab fee. Community-based learning designation.
Prerequisites: ART 102 or instructor consent and ART 104.
Offered: Fall, Spring.
Meets: Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning

ART 372 | Graphic Design I | 3 cr
Explores design history, theory, technique and the formal language of graphic communications. Lab fee required.
Prerequisites: ART 102, ART 104 and ART 105.
Offered: Fall, Spring.

ART 374 | Typography II | 3 cr
Utilization of the fundamentals of typography to solve complex design problems.
Prerequisites: ART 274.
Offered: Spring.

ART 377 | Interactive Design I | 3 cr
Explores the modern field of interactive design from a graphic designer's viewpoint. Includes the conceptual and aesthetic approach to interactive design. Lab fee required.
Prerequisites: ART 105 and one of: ART 372; CSCI 130, CSCI 145, CSCI 241 or MIS 221.
Offered: Fall, Spring.

ART 382 | Intermediate Painting | 3 cr
Continued aesthetic and technical exploration of the painted image involving a variety of media.
Prerequisites: ART 282.
Offered: Fall, Spring.

ART 387 | Topics in Graphic Design | 3 cr
Explores topics in the field of graphic design. Focuses on diverse mediums, content, and projects.
Prerequisites: Varies by topic.
Offered: Occasionally.

ART 388 | Intermediate Topics in Two-Dimensional Studio Art | 3 cr
Examines intermediate use of two-dimensional media, including printmaking, painting, collage, photography, and book arts. Explores traditional and experimental materials and techniques. May repeat with different topic.
Prerequisites: ART 322 or 330 or 331.
Offered: Occasionally.

ART 389 | Intermediate Topics in Three-Dimensional Studio Art | 3 cr
Explores intermediate topics in three dimensional media including metals, fibers, ceramics, sculpture, woodworking, and book arts. Examines traditional and experimental materials and approaches. May be repeated for credit with a different topic.
Prerequisites: Varies with topic.
Offered: Occasionally.

ART 390 | Special Topics in Art | 1-4 cr
Selected topics in the visual arts and their interrelationship will be studied at the intermediate level. Lab fee varies with topic.
Prerequisites: Varies with topic.
Offered: Occasionally.

ART 391 | Selected Topics in Art History | 3 cr
Examines selected topics in art history. May be repeated for credit with a different topic.
Prerequisites: Varies with topic.
Offered: Fall, Spring.

ART 392 | Professional Practice | 3 cr
Provides insight into the professional aspects of studio art and graphic design fields. Includes professional application materials, photographic documentation, career options, post-baccalaureate pursuits, and the business of art and design.
Prerequisites: Art or graphic design major, junior standing; or consent of instructor.
Offered: Fall, Spring.

ART 399 | Independent Study | 1-4 cr
Special projects selected by intermediate level students and approved instructor. Includes a detailed project proposal.
Prerequisites: Consent of instructor and department chair.
Offered: Fall, Spring, Summer.

ART 403 | Advanced Ceramics | 3 cr
Extended work in ceramic processes, with emphasis placed on gaining proficiency in the medium and in developing a personal body of artwork. May be repeated for credit.
Prerequisites: ART 303.
Offered: Fall.

ART 422 | Advanced Drawing | 3 cr
Explores the aesthetic technical and thematic possibilities of the drawn mark, with emphasis on the development of the student's personal vision. May repeat for credit.
Prerequisites: ART 322 or ART 330 or ART 331.
Offered: Occasionally.

ART 431 | Figure Studio | 3 cr
Emphasizes experimental exploration of the human form with an expressive focus in a variety of media with more individualized technical and aesthetic development. May be repeated for credit.
Prerequisites: ART 331.
Offered: Fall.

ART 436 | Advanced Sculpture | 3 cr
Emphasizes in-depth exploration of one or more recommended sculptural processes in relation to an individualized aesthetic point of view. May be repeated for credit.
Prerequisites: ART 336.
Offered: Spring.

ART 438 | Advanced Woodworking and Furniture Design | 3 cr
Investigates personal design aesthetic as it relates to construction, materials and methods of furniture making. May be repeated for credit.
Prerequisites: ART 338.
Offered: Spring.

ART 451 | Advanced Printmaking | 3 cr
Studies print media and related forms. Portfolio creation and concept emphasis will coincide with the development of alternative print processes. Includes the broadening definition printmaking. May be repeated for credit.
Prerequisites: ART 351.
Offered: Fall.

ART 470 | Digital Fabrication III | 3 cr
Provides opportunity to develop and fabricate a project based on artistic/innovative/entrepreneurial vision. Expands upon 3D CAD/CAM and fabrication processes. Lab Fee.
Prerequisites: DFAB 370 or ART 389.
Offered: Spring.

ART 471 | Advanced Digital Photography | 3 cr
Continues practice in digital photography. Emphasizes conceptual development related to the medium and students' own creative visions. May be repeated for credit.
Prerequisites: ART 371.
Offered: Fall, Spring.

ART 472 | Graphic Design II | 3 cr
Analysis of issues related to branding, identity, and design. Emphasis is on the development of strong concepts which communicate effectively.
Prerequisites: ART 372, ART 374.
Offered: Fall.

ART 477 | Interactive Design II | 3 cr
Examines advanced problems in interactive design from a designer's viewpoint comprising the conceptual and aesthetic approach to interactive design including both static and dynamic forms.
Prerequisites: ART 377.
Offered: Spring.

ART 482 | Advanced Painting | 3 cr
Express individual problems in painting using a variety of media. May be repeated for credit.
Prerequisites: ART 382.
Offered: Spring.

ART 487 | Design Portfolio | 3 cr
Students create, develop, and revise a professional-quality portfolio of design work appropriate to the student's career goals that showcases the breadth and individuality of his or her work. May be in conjunction with student-acquired internships.
Prerequisites: ART 472 or consent of instructor.
Offered: Fall, Spring.

ART 488 | Advanced Topics in Two-Dimensional Studio Art | 3 cr
Delves into the advanced use of two-dimensional media, including printmaking, painting, collage, photography, and book arts. Explores traditional and experimental materials and techniques. May repeat for credit.
Prerequisites: Varies with topic.
Offered: Occasionally.

ART 489 | Advanced Topics in Three-Dimensional Studio Art | 3 cr
Delves into advanced topics in three-dimensional media, including metals, fibers, ceramics, sculpture, woodworking, and book arts. Explores traditional and experimental materials and approaches at an advanced level. May be repeated for credit.
Prerequisites: Varies with topic.
Offered: Occasionally.

ART 490 | Special Topics in Art | 1-4 cr
Selected topics in art will be studied. Lab fee varies with topic.
Prerequisites: Varies with topic.
Offered: Occasionally.

ART 493 | Senior Studio | 4 cr
Provides opportunity for a rigorous, self-generated studio experience, focusing on the creation of a significant body of work as a culmination of the student's undergraduate education in the visual arts. Requires exhibition of artwork. May be repeated for credit with department permission. Lab fee varies by topic.
Prerequisites: Senior standing, department approval.
Offered: Fall, Spring.

ART 494 | Art Internship | 1-4 cr
Practical experience in studio and curatorial situations in business, industry, galleries and museums. Joint supervision by faculty member and organization representative. May repeat in different areas.
Prerequisites: Art major, junior standing; consent of instructor and department chair.
Offered: Fall, Spring.

ART 499 | Independent Study | 1-4 cr
Special projects selected by advanced level student and approved instructor. Includes a detailed project proposal.
Prerequisites: Consent of instructor and department chair.
Offered: Fall, Spring, Summer.

Courses in Digital and Design Fabrication

DFAB 170 | CAD I - Sketchup | 1 cr
Introduces fundamentals of 2D and 3D computer aided drafting [CAD] using Sketchup including layer control, vector precision and manipulation, object grouping, dimensioning, and 3D printing. Lab fee.
Prerequisites: None.
Offered: Fall, Spring, Summer, Winterim.

DFAB 171 | CAD I - AutoCAD | 1 cr
Introduces fundamentals of 2D and 3D computer aided drafting [CAD] using Autodesk, AutoCAD including layer control, vector precision and manipulation, object grouping, dimensioning, and 3D printing. Lab fee.
Prerequisites: None.
Offered: Fall, Spring, Summer, Winterim.

DFAB 172 | CAD I - Vectorworks | 1 cr
Introduces fundamentals of 2D and 3D computer aided drafting [CAD] using Nemetschek Vectorworks including layer control, vector precision and manipulation, object grouping, dimensioning, and 3D printing. Lab fee.
Prerequisites: None.
Offered: Fall, Spring, Summer, Winterim.

DFAB 270 | Digital Fabrication I | 3 cr
Explores CAD function and practice for 2D and 3D digital fabrication for manufacturing, design, and production using industry standard software and practices to create introductory 2D Vinyl Cut, CNC routed, and advanced 3D Printed works. Requires lab fee.
Prerequisites: ART 104; DFAB 170, DFAB 171, DFAB 172; THEA 363, THEA 463 or PENG 216; or instructor consent.
Offered: Spring.

Art Major (BA)

Department website (https://www.uwp.edu/learn/programs/artmajor.cfm)

College: College of Arts & Humanities

The art major provides a general art experience within an easily manageable, four-year completion program or an expanded major with the addition of one concentration consisting of 19 credits.

Program Learning Outcomes

1. Creativity: Using various art-making techniques, students create works that reveal and communicate their personal style and conceptual ideas. (Communication and Personal/Social Responsibility)
2. Visual Analysis: Students analyze and evaluate the historical, formal, and conceptual components of artwork, including their own. (Reasoned Judgment)
3. Communication: Students communicate competently in formats expected in the profession. (Communication)
4. Personal and Social Responsibility: Students are responsible and thoughtful as contributors to visual culture and as members of UW-P studio/lab/lecture areas. (Personal and Social Responsibility)

Requirements for the Art Major

Art majors must maintain at least a 2.5 grade point average in the major to remain in the program. Art majors must have a minimum of a 2.5 GPA in order to graduate without a concentration. All students earning an art major without a concentration must complete a minimum of 15 credits within the major at UW-Parkside.

Art majors seeking a concentration must have an entrance and exit grade point average of 2.75 or higher in the concentration.

Art majors with concentrations must have at least a GPA of 2.75 in the major to enter and earn the concentration. All students earning an art major with a concentration must complete a minimum of 21 credits within the major at UW-Parkside.

Code	Title	Credits
Core Curriculum		
Foundation Studio and Graphic Design Courses		
These courses serve as prerequisites for most of the curriculum.		
ART 102	Introduction to Two Dimensional Design	3
ART 103	Introduction to 3-D Design	3
ART 104	Introduction to Digital Art	3
ART 122	Introduction to Drawing	3
Foundation Art History Courses		
ART 100	Foundations of Art and Visual Culture	3
or ART 125	Survey of World Art	
ART 226	Modern Art and Graphic Design	3
Developmental Drawing		
Each course can only count toward one requirement area.		
Select one of the following:		3
ART 331	Life Drawing	
ART 322	Intermediate Drawing	
Two Dimensional Experience		
Each course can only count toward one requirement area. Prerequisites apply.		
Select two of the following:		6
ART 251	Beginning Printmaking	
ART 282	Beginning Painting	
ART 322	Intermediate Drawing	

ART 331	Life Drawing	
ART 351	Intermediate Printmaking	
ART 382	Intermediate Painting	
ART 422	Advanced Drawing	
ART 431	Figure Studio	
Three Dimensional Experience		
Each course can only count toward one requirement area. Prerequisites apply.		
Select two of the following:		6
ART 203	Beginning Ceramics	
ART 236	Beginning Sculpture	
ART 238	Beginning Woodworking and Furniture Design	
ART 289	Topics in Three-Dimensional Studio Art:	
ART 303	Intermediate Ceramics	
ART 336	Intermediate sculpture	
ART 338	Intermediate Woodworking and Furniture Design	
ART 370	Digital Fabrication II	
ART 470	Digital Fabrication III	
Graphic Design Experience		
Select one of the following:		3
ART 105	Introduction to Graphic Design	
ART 274	Typography I	
ART 287	Topics in Graphic Design:	
ART 371	Digital Photography	
ART 387	Topics in Graphic Design	
Additional Art History or related coursework. [1]		
Each course can only count toward one requirement area.		
ART 391	Selected Topics in Art History	3
Select one of the following:		3
ANTH 200/ INTS 210	Cultural Anthropology	
ART 124	Lowriders, Kicks, and Graffiti	
ART 391	Selected Topics in Art History	
ENGL 252	Introduction to Film	
ENGL 266	Literary Analysis	
PHIL 213	Aesthetics	
Professional Practice		
Prerequisite: Junior level standing		
ART 392	Professional Practice	3
Upper Division Elective		
Each course can only count toward one requirement area. Prerequisites apply		
Select one of the following:		3
Two Dimensional Studio		
ART 322	Intermediate Drawing	
ART 331	Life Drawing	
ART 351	Intermediate Printmaking	
ART 382	Intermediate Painting	
ART 422	Advanced Drawing	
ART 431	Figure Studio	
ART 451	Advanced Printmaking	
ART 482	Advanced Painting	
Three Dimensional Studio		
ART 303	Intermediate Ceramics	
ART 336	Intermediate sculpture	
ART 338	Intermediate Woodworking and Furniture Design	
ART 370	Digital Fabrication II	
ART 403	Advanced Ceramics	
ART 436	Advanced Sculpture	
ART 438	Advanced Woodworking and Furniture Design	
ART 470	Digital Fabrication III	
Graphic Design		
ART 371	Digital Photography	
ART 372	Graphic Design I	
ART 374	Typography II	
ART 387	Topics in Graphic Design	
ART 471	Advanced Digital Photography	
Total Credits		**48**

[1] Other relevant, upper division courses that address the history of art or visual culture may be approved on a case-by-case basis by the Art History advisor.

Art Major Optional Concentrations

Students may choose one of four concentrations to expand their field of study in the major. Students must have at least a 2.75 grade point average in the major to declare a concentration. To earn the concentration, the minimum 2.75 grade point average in the major must also be met.

Art Education Concentration

Code	Title	Credits
Art Education Methodologies		
ART 325	Art Methods for Elementary-Middle	3
ART 326	Art Methods for High School	3
Education (IPED Credits)		
EDU 100	Introduction to the Teaching Profession	1
EDU 211	Child and Adolescent Development	3
EDU 300	Creating Effective Learning Environments	1
EDU 304	Context and Culture In Learning Environments	3
EDU 310	Family, School, and Community Partnerships	1
EDU 322	Teaching Exceptional Learners	3
EDU 420	Residency Seminar	2
EDU 425	Residency (Student Teaching)	10
EDU 430	Using Action Research to Improve Instruction	2
EDU 440	Teacher Preparation Portfolio Design	2
Total Credits		**34**

Concentrations in Studio Art

To gain increased experience in studio art areas, students may select a concentration in either two dimensional studio art, three dimensional studio art, or interdisciplinary art. All three concentrations consist of an additional art history course, the exhibition capstone, and an additional 12 credits of studio course work related to the chosen concentration. A minimum 2.75 GPA is required to enter and exit the concentration.

Two Dimensional Studio Art Concentration

Code	Title	Credits
Required Additional Upper Division Art History [1]		
Each course can only count toward one requirement area		
ART 391	Selected Topics in Art History	3
Required Additional Upper Division Art History Subtotal		3
Two Dimensional Studio Art Courses		
Each course can only count toward one requirement area		
Select four of the following (three courses must be upper division):		12
ART 251	Beginning Printmaking	
ART 282	Beginning Painting	
ART 322	Intermediate Drawing	
ART 331	Life Drawing	
ART 351	Intermediate Printmaking	
ART 371	Digital Photography	
ART 382	Intermediate Painting	
ART 399	Independent Study	
ART 422	Advanced Drawing	
ART 431	Figure Studio	
ART 451	Advanced Printmaking	
ART 471	Advanced Digital Photography	
ART 482	Advanced Painting	
ART 499	Independent Study	
Two Dimensional Studio Art Courses Subtotal		12
Exhibition Capstone		
ART 493	Senior Studio	4
Total Credits		**19**

[1] Other relevant, upper division courses that address the history of art or visual culture may be approved on a case-by-case basis by the art history advisor.

Three Dimensional Studio Art Concentration

Code	Title	Credits
Required Additional Upper Division Art History [1]		
Each course can only count toward one requirement area		
ART 391	Selected Topics in Art History	3
Required Additional Upper Division Art History Subtotal		3
Three Dimensional Studio Art Courses		
Each course can only count toward one requirement area		
Select four of the following (three courses must be upper division):		12
ART 203	Beginning Ceramics	
ART 236	Beginning Sculpture	
ART 238	Beginning Woodworking and Furniture Design	
ART 289	Topics in Three-Dimensional Studio Art:	
ART 303	Intermediate Ceramics	
ART 336	Intermediate sculpture	
ART 338	Intermediate Woodworking and Furniture Design	
ART 370	Digital Fabrication II	
ART 399	Independent Study	
ART 403	Advanced Ceramics	
ART 436	Advanced Sculpture	
ART 438	Advanced Woodworking and Furniture Design	
ART 470	Digital Fabrication III	
ART 499	Independent Study	
Three Dimensional Studio Art Courses Subtotal		12
Exhibition Capstone		
ART 493	Senior Studio	4
Total Credits		**19**

[1] Other relevant, upper division courses that address the history of art or visual culture may be approved on a case-by-case basis by the art history advisor.

Interdisciplinary Concentration

Code	Title	Credits
Required Additional Upper Division Art History [1]		
Each course can only count toward one requirement area		
ART 391	Selected Topics in Art History	3
Required Additional Upper Division Art History Subtotal		3
Interdisciplinary Courses		
Each course can only count toward one requirement area		
Select four of the following (three courses must be upper division):		12
Two Dimensional Courses		
ART 251	Beginning Printmaking	
ART 282	Beginning Painting	
ART 322	Intermediate Drawing	
ART 331	Life Drawing	
ART 351	Intermediate Printmaking	
ART 371	Digital Photography	
ART 382	Intermediate Painting	
ART 399	Independent Study	
ART 422	Advanced Drawing	
ART 431	Figure Studio	
ART 451	Advanced Printmaking	
ART 482	Advanced Painting	
ART 499	Independent Study	
Three Dimensional Courses		
ART 203	Beginning Ceramics	
ART 236	Beginning Sculpture	
ART 238	Beginning Woodworking and Furniture Design	
ART 289	Topics in Three-Dimensional Studio Art:	
ART 303	Intermediate Ceramics	
ART 336	Intermediate sculpture	
ART 338	Intermediate Woodworking and Furniture Design	
ART 370	Digital Fabrication II	
ART 399	Independent Study	
ART 403	Advanced Ceramics	
ART 436	Advanced Sculpture	
ART 438	Advanced Woodworking and Furniture Design	
ART 470	Digital Fabrication III	
ART 499	Independent Study	
Interdisciplinary Courses Subtotal		12
Exhibition Capstone		

ART 493	Senior Studio	4
Total Credits		**19**

[1] Other relevant, upper division courses that address the history of art or visual culture may be approved on a case-by-case basis by the art history advisor.

Note for students choosing the standard art major without a concentration (48 credits)

Students should be aware that the standard 48 credit art major has a limited number of built-in upper division courses. Without the added concentration course work, students may need to select additional upper division courses in order to meet the university's graduation requirement of 36 upper division credits for a bachelor's degree. These same students may also need to be prepared to take additional credits toward the 120 credits required for graduation. These credits can be gained by working toward a minor or certificate or by taking elective credits.

General University Degree Requirements (Bachelor's Degree)

In addition to individual program requirements, students must also fulfill the following requirements:

Requirement	Credits
Skills	7-8
General Education	36
Foreign Language**	6-8
Ethnic Diversity	3
Total	52-55

** Transfer students in sustainable management, and health information management and technology collaborative, online degree-completion programs, the business management online degree-completion program, and the flexible option degree-completion program will be exempt from the university's foreign language requirement. See appropriate academic section for further information.

Skills Requirement (p. 13)

Code	Title	Credits
Reading and Writing		
ENGL 101	Composition and Reading	3
Computational Skills		
Select one of the following:		4-5
MATH 102	Quantitative Reasoning	
MATH 103	Elementary Statistics	
MATH 104	College Mathematics with Applications	
MATH 111	College Algebra I	
Total Credits		**7-8**

General Education (p. 13)

- General Education Course List (p. 157)

Foreign Language (p. 13)

Ethnic Diversity (p. 13)

Degree Requirements

Requirement	Credits
Minimum Total Credits	120
Upper Level Credits (300 level or above)	36
Residency	30

Cumulative Degree GPA: 2.0 minimum

Graphic Design Major (BA)

Department website (https://www.uwp.edu/learn/programs/graphicdesignmajor.cfm)

College: College of Arts & Humanities

The graphic design major includes the art core curriculum as well as courses in specialized areas pertinent to the commercial graphic design industry. In all, the major provides a holistic curriculum that offers diverse approaches to visual language. The emphasis of this curriculum is one that focuses on the designer as artist and not simply a technician. In addition, students in the major have opportunities to work with regionally-based clients within the classroom setting. This provides a sample of real-world experiences similar to those in the career field while still maintaining the mentorship of professional instructors.

Program Learning Outcomes

1. Creativity: Using various art-making techniques, students create works that reveal and communicate their personal style and conceptual ideas. (Communication and Personal/Social Responsibility)
2. Visual Analysis: Students analyze and evaluate the historical, formal, and conceptual components of artwork, including their own. (Reasoned Judgment)
3. Communication: Students communicate competently in formats expected in the profession. (Communication)
4. Personal and Social Responsibility: Students are responsible and thoughtful as contributors to visual culture and as members of UW-P studio/lab/lecture areas. (Personal and Social Responsibility)

All graphic design majors must maintain a minimum 2.75 grade point average in the major to remain in the program. If a student cannot maintain the required GPA, he/she may consider completing the 48-credit "general" art major and design certificate instead.

Requirements for the Graphic Design Major

All graphic design majors must maintain a minimum 2.75 grade point average in the major to remain in the program. If a student cannot maintain the required GPA, he/she may consider completing the 48-credit "general" art major and design certificate instead.

All students earning a graphic design major must complete a minimum of 21 credits within the major at UW-Parkside.

Code	Title	Credits
Core Curriculum		
Foundation Studio and Graphic Design Courses		
These courses serve as prerequisites for most of the curriculum		
ART 102	Introduction to Two Dimensional Design	3

ART 103	Introduction to 3-D Design	3
ART 104	Introduction to Digital Art	3
ART 105	Introduction to Graphic Design	3
ART 122	Introduction to Drawing	3
Foundation Art History Courses		
ART 100	Foundations of Art and Visual Culture	3
or ART 125	Survey of World Art	
ART 226	Modern Art and Graphic Design	3
Developmental Drawing		
Each course can only count toward one requirement area		
Select one of the following:		3
ART 322	Intermediate Drawing	
ART 331	Life Drawing	
Two Dimensional Experience		
Each course can only count toward one requirement area. Prerequisites apply		
Select two of the following:		6
ART 251	Beginning Printmaking	
ART 282	Beginning Painting	
ART 322	Intermediate Drawing	
ART 331	Life Drawing	
ART 351	Intermediate Printmaking	
ART 382	Intermediate Painting	
ART 422	Advanced Drawing	
ART 431	Figure Studio	
Three Dimensional Experience		
Each course can only count toward one requirement area. Prerequisites apply		
Select two of the following:		6
ART 203	Beginning Ceramics	
ART 236	Beginning Sculpture	
ART 238	Beginning Woodworking and Furniture Design	
ART 289	Topics in Three-Dimensional Studio Art:	
ART 303	Intermediate Ceramics	
ART 336	Intermediate sculpture	
ART 338	Intermediate Woodworking and Furniture Design	
ART 370	Digital Fabrication II	
ART 470	Digital Fabrication III	
Graphic Design Experience		
ART 274	Typography I	3
Additional Art History or related coursework [1]		
Each course can only count toward one requirement area. Prerequisites apply.		
ART 391	Selected Topics in Art History	3
Select one of the following:		3
ANTH 200/ INTS 210	Cultural Anthropology	
ART 124	Lowriders, Kicks, and Graffiti	
ART 391	Selected Topics in Art History	
ENGL 252	Introduction to Film	
ENGL 266	Literary Analysis	
PHIL 213	Aesthetics	
Professional Practice		
Prerequisite: Junior-level standing		
ART 392	Professional Practice	3
Upper Division Elective		
Each course can only count toward one requirement area. Prerequisites apply		
Select one of the following:		3-4
Two Dimensional Studio		
ART 322	Intermediate Drawing	
ART 331	Life Drawing	
ART 351	Intermediate Printmaking	
ART 382	Intermediate Painting	
ART 422	Advanced Drawing	
ART 431	Figure Studio	
ART 451	Advanced Printmaking	
ART 482	Advanced Painting	
Three Dimensional Studio		
ART 303	Intermediate Ceramics	
ART 336	Intermediate sculpture	
ART 338	Intermediate Woodworking and Furniture Design	
ART 370	Digital Fabrication II	
ART 403	Advanced Ceramics	
ART 436	Advanced Sculpture	
ART 438	Advanced Woodworking and Furniture Design	
ART 470	Digital Fabrication III	
Graphic Design		
ART 371	Digital Photography	
ART 387	Topics in Graphic Design	
ART 494	Art Internship	
Core Curriculum Subtotal		51-52
Graphic Design Course Work		
Required Graphic Design Foundations		
ART 372	Graphic Design I	3
ART 374	Typography II	3
Advanced Graphic and Web Design Course Work		
Each course can only count toward one requirement area. Prerequisites apply		
Select three of the following:		9
ART 377	Interactive Design I	
ART 387	Topics in Graphic Design	
ART 472	Graphic Design II	
ART 477	Interactive Design II	
Professional Seminar Capstone		
Each course can only count toward one requirement area. Prerequisites apply		
ART 487	Design Portfolio	3
Graphic Design Course Work Subtotal		18
Total Credits		**69-70**

[1] Other relevant, upper division courses that address the history of art or visual culture may be approved on a case-by-case basis by the art history advisor.

General University Degree Requirements (Bachelor's Degree)

In addition to individual program requirements, students must also fulfill the following requirements:

Requirement	Credits
Skills	7-8
General Education	36
Foreign Language**	6-8
Ethnic Diversity	3
Total	52-55

** Transfer students in sustainable management, and health information management and technology collaborative, online degree-completion programs, the business management online degree-completion program, and the flexible option degree-completion program will be exempt from the university's foreign language requirement. See appropriate academic section for further information.

Skills Requirement (p. 13)

Code	Title	Credits
Reading and Writing		
ENGL 101	Composition and Reading	3
Computational Skills		
Select one of the following:		4-5
MATH 102	Quantitative Reasoning	
MATH 103	Elementary Statistics	
MATH 104	College Mathematics with Applications	
MATH 111	College Algebra I	
Total Credits		**7-8**

General Education (p. 13)

- General Education Course List (p. 157)

Foreign Language (p. 13)

Ethnic Diversity (p. 13)

Degree Requirements

Requirement	Credits
Minimum Total Credits	120
Upper Level Credits (300 level or above)	36
Residency	30

Cumulative Degree GPA: 2.0 minimum

Course	Title	Credits
Year 1		
Fall Semester		
MATH 102	Quantitative Reasoning	4
ENGL 100	Fundamentals of English	3
ART 102 or ART 103	Introduction to Two Dimensional Design or Introduction to 3-D Design	3
ART 104 or ART 105	Introduction to Digital Art or Introduction to Graphic Design	3
General Education (SS)		3
	Credits	**16**
Spring Semester		
ENGL 101	Composition and Reading	3
ART 102 or ART 103	Introduction to Two Dimensional Design or Introduction to 3-D Design	3
ART 104 or ART 105	Introduction to Digital Art or Introduction to Graphic Design	3
ART 100 or ART 125	Foundations of Art and Visual Culture or Survey of World Art	3
General Education (HU)		3
	Credits	**15**
	Total Credits	**31**

Course	Title	Credits
Year 2		
Fall Semester		
ART 251 or ART 282 or ART 322 or ART 331 or ART 351 or ART 382 or ART 422 or ART 431	Beginning Printmaking or Beginning Painting or Intermediate Drawing or Life Drawing or Intermediate Printmaking or Intermediate Painting or Advanced Drawing or Figure Studio	3
ART 226	Modern Art and Graphic Design	3
ART 274	Typography I	3
General Education (NS)		3
Introductory Language		4
	Credits	**16**
Spring Semester		
ART 251 or ART 282 or ART 322 or ART 331 or ART 351 or ART 382 or ART 422 or ART 431	Beginning Printmaking or Beginning Painting or Intermediate Drawing or Life Drawing or Intermediate Printmaking or Intermediate Painting or Advanced Drawing or Figure Studio	3
ART 372	Graphic Design I	3
ART 374	Typography II	3
ART 122	Introduction to Drawing	3
Introductory Language		4
	Credits	**16**
	Total Credits	**32**

Course	Title	Credits
Year 3		
Fall Semester		
ART 377 or ART 387 or ART 472 or ART 477	Interactive Design I or Topics in Graphic Design or Graphic Design II or Interactive Design II	3
ART 387 or ART 377 or ART 472 or ART 477	Topics in Graphic Design or Interactive Design I or Graphic Design II or Interactive Design II	3
ART 322 or ART 331	Intermediate Drawing or Life Drawing	3
ART 391	Selected Topics in Art History	3
General Education (SS)		
	Credits	**12**
Spring Semester		
ART 392	Professional Practice	3

ART 472	Graphic Design II	3
or ART 377	or Interactive Design I	
or ART 387	or Topics in Graphic Design	
or ART 477	or Interactive Design II	
ART 203	Beginning Ceramics	3
or ART 236	or Beginning Sculpture	
or ART 238	or Beginning Woodworking and Furniture Design	
or ART 389	or Intermediate Topics in Three-Dimensional Studio	
or ART 303	Art	
or ART 336	or Intermediate Ceramics	
or ART 338	or Intermediate sculpture	
or ART 370	or Intermediate Woodworking and Furniture Design	
or ART 470	or Digital Fabrication II	
	or Digital Fabrication III	
General Education (SS)		3
General Education (NS)		3
	Credits	**15**
	Total Credits	**27**

Course	Title	Credits
Year 4		
Fall Semester		
300/400 Level Art Elective		3
ART 236	Beginning Sculpture	3
or ART 203	or Beginning Ceramics	
or ART 238	or Beginning Woodworking and Furniture Design	
or ART 289	or Topics in Three-Dimensional Studio Art:	
or ART 303	or Intermediate Ceramics	
or ART 336	or Intermediate sculpture	
or ART 338	or Intermediate Woodworking and Furniture Design	
or ART 370	or Digital Fabrication II	
or ART 470	or Digital Fabrication III	
ART 124	Lowriders, Kicks, and Graffiti	3
or ANTH 200	or Cultural Anthropology	
or ART 391	or Selected Topics in Art History	
or ENGL 252	or Introduction to Film	
or ENGL 266	or Literary Analysis	
or PHIL 213	or Aesthetics	
300/400 Level General Elective		3
General Education (NS)		3
	Credits	**15**
Spring Semester		
ART 487	Design Portfolio	3
300/400 Level General Elective or DV course (if needed)		3
General Education (SS)		3
General Education (NS)		3
General Education (HU)		3
	Credits	**15**
	Total Credits	**30**

Graphic Design Minor

Department website (https://www.uwp.edu/learn/programs/graphicdesign.cfm)

College: College of Arts & Humanities

This array of courses will allow the minor an opportunity to focus on the primary building blocks of graphic design. While the minor consists of the same graphic design courses as the Design Certificate, its additional coursework provides students further understanding of art and design principals, thus offering a more cohesive introduction to the field.

Requirements for the Graphic Design Minor

Code	Title	Credits
Required Foundation Courses		
ART 102	Introduction to Two Dimensional Design	3
ART 103	Introduction to 3-D Design	3
ART 104	Introduction to Digital Art	3
ART 105	Introduction to Graphic Design	3
ART 122	Introduction to Drawing	3
Design Courses		
Each course can only count toward one requirement area. Prerequisites apply		
Select four of the following:		12
ART 274	Typography I	
ART 287	Topics in Graphic Design:	
ART 372	Graphic Design I	
ART 374	Typography II	
ART 377	Interactive Design I	
ART 387	Topics in Graphic Design	
ART 472	Graphic Design II	
ART 477	Interactive Design II	
Art History		
ART 100	Foundations of Art and Visual Culture	3
or ART 125	Survey of World Art	
Total Credits		**30**

University Requirements for Minors

Course work in the minor must be completed with the minimum GPA as specified by the department or program under which the minor falls, usually a 2.00 on a 4.00 scale, but higher in some programs. Transfer students must attain the minimum specified GPA on a combination of transfer credits accepted toward the minor and credits attempted at UW-Parkside.

At least half of the course work required for a minor must be completed at UW-Parkside.

Studio Art Minor

Department website (https://www.uwp.edu/learn/programs/studioartminor.cfm)

College: College of Arts & Humanities

The basic objective of the art minor is to provide students from any area of study with the opportunity for a fundamental introduction to the field of visual art. To accomplish this, the student must complete 21 credits consisting of the following courses or their equivalents.

Program Learning Outcomes

1. Creativity: Using various art-making techniques, students create works that reveal and communicate their personal style and conceptual ideas. (Communication and Personal/Social Responsibility)

2. Visual Analysis: Students analyze and evaluate the historical, formal, and conceptual components of artwork, including their own. (Reasoned Judgment)
3. Communication: Students communicate competently in formats expected in the profession. (Communication)
4. Personal and Social Responsibility: Students are responsible and thoughtful as contributors to visual culture and as members of UW-P studio/lab/lecture areas. (Personal and Social Responsibility)

Requirements for the Studio Art Minor

Code	Title	Credits
Required Foundation Courses		
ART 102	Introduction to Two Dimensional Design	3
ART 103	Introduction to 3-D Design	3
ART 122	Introduction to Drawing	3
Two Dimensional Experience		
Each course can only count toward one requirement area. Prerequisites apply		
Select one of the following:		3
ART 251	Beginning Printmaking	
ART 282	Beginning Painting	
ART 322	Intermediate Drawing	
ART 331	Life Drawing	
Three Dimensional Experience		
Each course can only count toward one requirement area. Prerequisites apply		
Select two of the following:		6
ART 203	Beginning Ceramics	
ART 236	Beginning Sculpture	
ART 238	Beginning Woodworking and Furniture Design	
ART 289	Topics in Three-Dimensional Studio Art:	
ART 303	Intermediate Ceramics	
ART 336	Intermediate sculpture	
ART 338	Intermediate Woodworking and Furniture Design	
ART 370	Digital Fabrication II	
ART 470	Digital Fabrication III	
Art History		
ART 100	Foundations of Art and Visual Culture	3
or ART 125	Survey of World Art	
Total Credits		**21**

University Requirements for Minors

Course work in the minor must be completed with the minimum GPA as specified by the department or program under which the minor falls, usually a 2.00 on a 4.00 scale, but higher in some programs. Transfer students must attain the minimum specified GPA on a combination of transfer credits accepted toward the minor and credits attempted at UW-Parkside.

At least half of the course work required for a minor must be completed at UW-Parkside.

Art History Certificate

Department website (https://www.uwp.edu/learn/programs/arthistcert.cfm)

College: College of Arts & Humanities

The art history certificate permits students to study visual culture with a distinct emphasis on how aesthetics engage fundamental issues in politics, society, and culture.

Requirements for the Art History Certificate

Students must maintain a minimum 2.75 GPA in the following courses to receive the art history certificate.

Code	Title	Credits
Required Core Art History Courses		
ART 100	Foundations of Art and Visual Culture	3
ART 125	Survey of World Art	3
ART 226	Modern Art and Graphic Design	3
Required Upper Division Art History Coursework [1]		
Each course can only count toward one requirement. Prerequisites apply		
Select course two times with a different topic for a total of 6 credits:		6
ART 391	Selected Topics in Art History	
Additional Art History and Related Course Work		
Each course can only count toward one requirement area. Prerequisites apply		
Select one of the following:		3
ANTH 200/ INTS 210	Cultural Anthropology	
ART 391	Selected Topics in Art History	
ENGL 252	Introduction to Film	
ENGL 266	Literary Analysis	
PHIL 213	Aesthetics	
Total Credits		**18**

[1] Other relevant, upper division courses that address the history of art or visual culture may be approved on a case-by-case basis by the art history advisor.

University Requirements for Undergraduate Certificates

Course work in a certificate must be completed with a minimum 2.00 GPA. Departments or programs may require a higher GPA.

A minimum of 9 credits in a certificate program must be taken at UW-Parkside. Individual departments and programs may require more than 9 credits to be taken at UW-Parkside.

Design Certificate

Department website (https://www.uwp.edu/learn/programs/designcertificate.cfm)

College: College of Arts & Humanities

The design certificate provides basic training in how to create quality presentation and marketing materials. While this academic credential cannot compete with the skills acquired through the graphic design major, it does provide students with competitive e tools that may enhance their career goals and employability.

Requirements for the Design Certificate

Code	Title	Credits
Required Core Courses		
ART 102	Introduction to Two Dimensional Design	3
ART 104	Introduction to Digital Art	3
ART 105	Introduction to Graphic Design	3
Required Graphic Design Courses		
ART 274	Typography I	3
ART 372	Graphic Design I	3
ART 377	Interactive Design I	3
Total Credits		**18**

University Requirements for Undergraduate Certificates

Course work in a certificate must be completed with a minimum 2.00 GPA. Departments or programs may require a higher GPA.

A minimum of 9 credits in a certificate program must be taken at UW-Parkside. Individual departments and programs may require more than 9 credits to be taken at UW-Parkside.

Digital Design and Fabrication Certificate

Department website (https://www.uwp.edu/learn/programs/digitaldesignfabrication.cfm)

College: College of Arts & Humanities

The digital design and fabrication certificate is available to all students at the University and as a stand-alone certificate for members of the community seeking career development. The digital design and fabrication technology arc from drafting through 3D printing, Laser Cutting, Milling, and CNC are sought-after skills in the manufacturing industries, both locally and nationally.

Requirements for the Digital Design and Fabrication Certificate

Code	Title	Credits
Foundation Courses		
Select one of the following:		1-3
DFAB 170	CAD I - Sketchup	
DFAB 171	CAD I - AutoCAD	
DFAB 172	CAD I - Vectorworks	
ART 104	Introduction to Digital Art	
THEA 363	Lighting and Projection Design I	
THEA 373	Scenic Design I	
PENG 216	Engineering Drawing and Computer Aided Design	
Required Digital Fabrication Courses		
DFAB 270	Digital Fabrication I	3
ART 370	Digital Fabrication II	3
ART 470	Digital Fabrication III	3
Total Credits		**10-12**

University Requirements for Undergraduate Certificates

Course work in a certificate must be completed with a minimum 2.00 GPA. Departments or programs may require a higher GPA.

A minimum of 9 credits in a certificate program must be taken at UW-Parkside. Individual departments and programs may require more than 9 credits to be taken at UW-Parkside.

Pre-Architecture

College: College of Arts & Humanities

Students transferring to the University of Wisconsin-Milwaukee in order to pursue a major in architecture must have taken a minimum of 24 credit hours and must have a GPA of no less than 2.50. Because admission into the architecture major is highly competitive, students should understand that those admitted to the program will have a GPA that is higher than 2.50. While a minimum of 24 credit hours is needed to transfer, students are advised to take no more than 40 credit hours prior to transferring to the University of Wisconsin-Milwaukee. Within the 24-40 credit hour window, the following courses are especially appropriate for students considering the architecture major.

Code	Title	Credits
ART 103	Introduction to 3-D Design	3
ART 122	Introduction to Drawing	3
ART 125	Survey of World Art	3
ART 226	Modern Art and Graphic Design	3
COMM 105	Public Speaking for the 21st Century	3
ENGL 101	Composition and Reading	3
ENGL 201	Advanced Composition	3
GEOG 110	Introduction to Geography: World Regions	3
MATH 113	Trigonometry	2
PHYS 105	College Physics I	5

Course work in geosciences or physical geography is highly recommended. It is also recommended that students satisfy their foreign language requirement prior to transferring to the University of Wisconsin-Milwaukee.

Associate Degree Programs

Department website (https://www.uwp.edu/apply/adulteducation/associates-degrees.cfm)

Majors for Associate Degrees

In order to graduate with an associate degree, every degree-seeking student must complete a major with a minimum GPA as specified by the major department or program. Usually, this minimum major GPA is 2.00 on a 4.00 scale, but some majors require a higher GPA. Students with transfer work must also attain the minimum major GPA (2.00) on a

combination of transfer credits accepted toward the major and credits attempted toward the major at UW- Parkside. A minimum of 24 of the 60 credits toward the associate degree must be completed at UW-Parkside. UW-Parkside offers the following majors for associate programs:

Programs Offered

- Arts and Sciences (AAS) (p. 44)
- Financial Economics (AS) (p. 45)
- Green Chemistry (AS) (p. 46)
- Laboratory Sciences (AS) (p. 47)
- Leadership and Personalized Studies (AA) (p. 48)
- Military and Security Studies (AA) (p. 48)
- Physics (AS) (p. 50)
- Professional Studies (AA) (p. 51)

Arts and Sciences (AAS)

Department website (https://www.uwp.edu/learn/programs/aas.cfm)

College: General

The 60-credit associate degree program is designed to provide a broad, balanced liberal arts and sciences background, while satisfying the general education requirements at four-year institutions. Program courses can also be used to fulfill prerequisites and supplement coursework at other campuses, both within and out of the UW System. Students may pursue the full degree or take a course or two for transfer.

Requirements for the A.A.S. in Arts and Sciences

In addition to the required number of credits from each area below, students pursuing the AAS degree will complete 18 elective credits from across the curriculum.

Knowledge of Human Cultures (12 credits)

Engage with and analyze the human condition, culture and society. Coursework typically requires students to engage with and analyze human interaction and culture; social organizations and institutions; historical contexts; and complex interdependent systems.

Knowledge of the Natural World (12 credits)

Learn the concepts and applications related to the natural and physical sciences and mathematics.

Critical and Creative Thinking (3 credits)

Learn inquiry, problem solving, and qualitative and quantitative reasoning skills.

Effective Communication (6 credits)

Develop speaking, reading, writing, and information literacy skills.

Intercultural Knowledge and Competence (3 credits)

Learn how to interact and work with people from diverse backgrounds and cultures through courses in social sciences, humanities, fine arts, foreign languages, and ethnic studies. Courses in this area also typically satisfy the UW System Diversity requirement.

Individual, Social and Environmental Responsibility (6 credits)

Courses in this area provide the foundation for lifelong learning and the intellectual tools for engaging ethically as members of society.

Foundational

These foundational courses serve as prerequisites for some courses. The credits earned in these courses—with the exception of UWX EN101—are non-degree credits and will not count toward a degree.

Code	Title	Credits
Knowledge of Human Cultures		
Select four of the following:		12
UWX AN100	Introduction to Anthropology	
UWX AR175	Worlds of Art	
UWX BU101	Introduction to Business	
UWX ED230	Educational Psychology	
UWX EN250	Introduction to Literature	
UWX HS102	U.S. History Since 1877	
UWX PL104	Introduction to American Government and Politics	
UWX PS101	General Psychology	
UWX PS250	Lifespan Psychology	
UWX RE101	Introduction to Religion	
UWX SC101	Introduction to Sociology	
UWX SC222	Race and Ethnicity	
Knowledge of the Natural World		
Select four of the following:		12
UWX AS100	Survey of Astronomy	
UWX BL101	Concepts of Biology	
UWX BL285	Anatomy and Physiology I	
UWX CH114	Chemistry in the Kitchen	
UWX CH140	General Chemistry I Lab	
UWX CH144	General Chemistry I	
UWX GE170	Disasters: Living on the Edge	
UWX HE209	Nutrition and Weight Management	
UWX MA108	Quantitative Reasoning	
UWX MA113	Trigonmetry	
UWX MA116	College Algebra	
UWX MA117	Elementary Statistics	
UWX MA221	Calculus I	
Critical and Creative Thinking		
Select one of the following:		3
UWX AR104	Introduction to Graphic Design and Digital Art	
UWX CS130	Introduction to Programming	
UWX EC203	Macroeconomics	
UWX EC204	Microeconomics	
UWX EN203	Creative Writing	
UWX PH121	Critical Thinking	
UWX SS310	Media Literacy	
Effective Communication		
Select two of the following:		6
UWX CM101	Introduction to Public Speaking	
UWX EN102	Critical Writing and Research	

UWX EN210	Business Communication	
Intercultural Knowledge and Competence		
Select one of the following:		3
UWX CM213	Intercultural Communication	
UWX EN278	Multicultural Literature in the United States	
UWX HS127	The World in the 20th Century	
UWX LB103	Diversity in the U.S.	
UWX MU278	Rock and Roll Roots	
UWX SP101	First Semester Spanish	
UWX SP102	Second Semester Spanish	
Individual, Social and Environmental Responsibility		
Select two of the following:		6
UWX ES105	Introduction to Environmental Science	
UWX FN210	Personal Finance	
UWX GS101	Introduction to Gender, Sexuality and Women's Studies	
UWX PH237	Technology, Values, and Society	
UWX SC231	Crime and Criminal Justice	
Foundational		
These foundational courses serve as prerequisites for some courses.		
The credits earned in these courses—with the exception of UWX EN101—are non-degree credits and will not count toward a degree.		
UWX EN098	Introduction to College Writing	
UWX EN101	College Writing and Critical Reading	
UWX MA091	Elementary Algebra	
UWX MA093	Developmental Mathematics II	
Elective Courses		
Complete 18 elective credits from across the curriculum		18
Total Credits		**60**

Financial Economics (AS)

Department website (https://www.uwp.edu/learn/programs/financial-economics-as.cfm)

College: College of Business, Economics, and Computing

The associate of science degree with a major in financial economics is designed for students who are interested in acquiring a solid understanding of financial and monetary economics and the ability to apply tools of economic analysis to the workings of the financial and banking sectors of the economy. The program consists of 64-68 credits that includes university skills requirements, general education requirements, an ethnic diversity requirement, and the program-specific requirements.

Program Learning Outcomes

1. AS-FE graduates will be able to evaluate the implications of economic scarcity in the context of resource allocation, production, and consumption and various economic institutions (aligns with Reasoned Judgment).
2. AS-FE graduates will be able to apply tools of macroeconomics and financial economics to analyze and explain macroeconomic policies and phenomena (aligns with Reasoned Judgment). Objectives: Students can construct and apply macroeconomic models and analytical tools to explain relationships among macroeconomic and financial variables and institutions and to evaluate solutions to problems in macroeconomics and financial economics. Students can analyze and work effective with macroeconomic and financial data.
3. AS-FE students can compare and evaluate the consequences of and the tradeoffs resulting from economic scarcity in the context of macroeconomic variables and financial markets.

Requirements for the A.S. in Financial Economics

To complete this degree program students must complete all required courses and earn a minimum cumulative degree grade point average of 2.00 overall and a minimum grade point average of 2.25 in economics courses. Transfer students must attain a minimum of 2.25 in transfer courses applied to the economics course requirements as well as UW-Parkside economics courses.

Code	Title	Credits
Basic Skills Requirements		
English/Writing Skills Courses		
ENGL 101	Composition and Reading [1]	3
ENGL 204	Writing for Business and Industry	3
Computational and Quantitative Skills Courses		
MATH 104	College Mathematics with Applications	4-5
or MATH 111	College Algebra I	
QM 110	Applied Quantitative Analysis in Business	3
QM 210	Business Statistics I	3
Business and Technology Skills Courses		
BUS 100	Introduction to Business [2]	3
CSCI 105	Introduction to Computers [2]	3
ACCT 201	Financial Accounting	3
Basic Skills Requirements Subtotal		25-26
General Education Requirements		
Humanities and the Arts Courses		
Select four courses from three different departments [3,4]		12
Social and Behavioral Sciences Courses		
Select one course from departments other than ECON or BUS [3,5]		3
Natural Sciences Courses		
Select three courses from two different departments other than CSCI [3,6]		9
Ethnic Diversity Course		
Select one course that carries "DV" credit [3,7]		0-3
General Education Requirements Subtotal		24-27
Economics Requirements		
ECON 120	Principles of Microeconomics [2]	3
ECON 121	Principles of Macroeconomics [2]	3
ECON 321	Intermediate Macro Theory	3
ECON 366	Money and Banking	3
ECON 367	Financial Institutions and Markets	3
Economics Requirements Subtotal		15
Total Credits		**64-68**

1 These courses fulfill the university skills requirements.
2 These courses count toward general education requirements for UW-Parkside.

[3] Check the course schedule and work with your advisor to find courses that fulfill your general education and/or ethnic diversity requirements.
[4] COMM 105 Public Speaking for the 21st Century Public Speaking is highly recommended.
[5] Required courses BUS 100 Introduction to Business, ECON 120 Principles of Microeconomics and ECON 121 Principles of Macroeconomics fulfill part of this requirement.
[6] Required course CSCI 105 Introduction to Computers fulfills part of this requirement.
[7] A general education course may also be used to satisfy this requirement.

How credits count:

Courses can count for multiple requirements such as a program requirement and a general education requirement but, the credits only count once. Therefore, depending on how many courses are chosen that fulfill both program and general education requirements, students may be required to take additional elective courses (from those not already taken in areas above) to reach the required minimum of 60 credits for an associate degree.

Depth, two-course sequence requirement:

The University of Wisconsin system has a requirement that each associate degree program must contain at least one two-course sequence in which the first course provides the foundation for the second course. The courses under economics requirements in this program fulfill this requirement.

Green Chemistry (AS)

Department website (https://www.uwp.edu/learn/programs/greenchemistryaa.cfm)

College: College of Natural & Health Sciences

The associate of science degree with a major in green chemistry is designed for students who wish to expand their knowledge of green chemistry beyond the certificate. It is ideal for business majors with an interest in chemistry or for pre-pharm students who might wish to earn a 2-year degree prior to attending pharmacy school. The program consists of 64-67 credits that includes university skills requirements, general education requirements, an ethnic diversity requirement and the program specific-requirements.

Requirements for the A.S in Green Chemistry

To complete this degree program students must complete all required courses (minimum of 60 credits required) and earn a minimum cumulative degree grade point average of 2.00 with a minimum core chemistry course grade point average of 2.50.

Code	Title	Credits
Basic Skills Requirements		
English/Writing Skills Course		
ENGL 101	Composition and Reading [1]	3
Computational and Quantitative Skills Courses		
MATH 111	College Algebra I [2]	5
Communication Skills Course		
COMM 105	Public Speaking for the 21st Century [3]	3
Business and Technology Skills		
BUS 100	Introduction to Business [3]	3
ECON 120	Principles of Microeconomics [3]	3
ECON 121	Principles of Macroeconomics [3]	3
Basic Skills Requirements Subtotal		20
General Education Requirements [4]		
Humanities and the Arts Courses		
Select three courses from three different departments [3,5]		9
Social and Behavioral Sciences Courses		
Select one course from a subject other than BUS, FIN, or ECON [6]		3
Natural Sciences Courses		
Select two courses from two different departments [3,7]		8
General Education Requirements Subtotal		20
Ethnic Diversity Course		
Select one course that carries "DV" credit [3,8]		0-3
Ethnic Diversity Course Subtotal		0-3
Program Core Requirements [9]		
Required Chemistry Courses		
CHEM 101	General Chemistry I [3]	4
CHEM 102	General Chemistry II	4
CHEM 103	General Chemistry Lab I	1
CHEM 104	General Chemistry Lab II	1
CHEM 155	Chemistry Seminar: Careers, Safety and Literature	3
CHEM 206	Quantitative Chemical Analysis	5
CHEM 230	Introduction to Green Chemistry	2
CHEM 231	Green Chemistry Lab	2
CHEM 321	Organic Chemistry I	4
Program Core Requirements Subtotal		26
Total Credits		**66-69**

[1] This course fulfills the university writing skills requirements.
[2] This course fulfills the university computational skills requirements.
[3] These courses count toward general education requirements for UW-Parkside.
Check the course schedule and work with your advisor to find courses that fulfill your general education and/or ethnic diversity requirements.
[4] There are 36 credits required for general education but, after taking required courses for the program, 20 credits will be needed depending on the program elective choices.
[5] Required course COMM 105 Public Speaking for the 21st Century fulfills part of this requirement.
[6] Required courses BUS 100 Introduction to Business, ECON 120 Principles of Microeconomics, and ECON 121 Principles of Macroeconomics fulfill part of this requirement.
[7] Required course CHEM 101 General Chemistry I fulfills part of this requirement.
[8] A general education course may also be used to satisfy this requirement.
[9] Students are required to have earn a minimum 2.50 grade point average in these core chemistry courses.

Notes:

Students earning an associate of science degree with a program of study in green chemistry are not eligible to earn the green chemistry certificate.

A minimum of 60 credits are required to earn an associate degree. If a student tests out or is waived from any course such as MATH 111 College Algebra I or ENGL 101 Composition and Reading, students will need to complete elective credits as needed to reach the minimum of 60 credits.

How credits count:

Courses can count for multiple requirements such as a program requirement and a general education requirement but, the credits only count once. Therefore, depending on how many courses are chosen that fulfill both program and general education requirements, students may be required to take additional elective courses (from those not already taken in areas above) to reach the required minimum of 60 credits for an associate degree.

Depth, two-course sequence requirement:

The University of Wisconsin system has a requirement that each associate degree program must contain at least one two-course sequence in which the first course provides the foundation for the second course. The courses under required chemistry courses in this program fulfill this requirement.

Laboratory Sciences (AS)

Department website (https://www.uwp.edu/learn/programs/labsciencesas.cfm)

College: College of Natural & Health Sciences

The associate of science degree with a major in laboratory sciences consists of 66-69 credits that includes university skills requirements, general education requirements, an ethnic diversity requirement and the program specific-requirements.

Requirements for the A.S. in Laboratory Sciences

To complete this degree program students must complete all required courses and earn a minimum cumulative degree grade point average of 2.00.

Code	Title	Credits
New entering students, and transfer students with less than 30 college credits, choosing a major in the College of Natural and Health Sciences are required to take this course.		
UWP 101	First Year Seminar: Natural and Health Sciences	1
General Science Courses		
Core Biological Sciences		
BIOS 101	Bioscience [1]	4
BIOS 102	Organismal Biology	4
BIOS 210	Biostatistics	4
Core Chemistry Courses		
CHEM 101	General Chemistry I [1]	4
CHEM 102	General Chemistry II	4
CHEM 103	General Chemistry Lab I [1]	1
CHEM 104	General Chemistry Lab II	1
Biological Sciences/Chemistry Elective Course		
BIOS 260	General Genetics	4
or CHEM 206	Quantitative Chemical Analysis	
Mathematics Courses		
MATH 111	College Algebra I [2]	5
MATH 112	College Algebra II	4
Computer Science Course		
CSCI 105	Introduction to Computers [1]	3
General Science Courses Subtotal		39
General Education/Degree Requirements		
English/Writing Skills Course		
ENGL 101	Composition and Reading [3]	3
Mathematics/Computational Skills Course		
MATH 111	College Algebra I (Fulfilled through Mathematics requirement above)	
Humanities and the Arts Courses		
Select four courses from three different departments [1,4]		12
Social and Behavioral Sciences Courses		
Select four courses from three different departments [1,5]		12
Natural Sciences Courses		
Completed through required general science courses above		
Ethnic Diversity Course		
Select one course that carries “DV” credit [1,6]		0-3
General Education/Degree Requirements Subtotal		27-30
Total Credits		**66-69**

1. These courses count toward general education requirements for UW-Parkside.
   Check the course schedule and work with your advisor to find courses that fulfill your general education and/or ethnic diversity requirements.
2. This course fulfills the university computational skills requirements.
3. This course fulfills the university writing skills requirements.
4. COMM 105 Public Speaking for the 21st Century is highly recommended
5. PSYC 101 Introduction to Psychological Science is highly recommended
6. A general education course may also be used to satisfy this requirement.

How credits count:

Courses can count for multiple requirements such as a program requirement and a general education requirement but, the credits only count once. Therefore, depending on how many courses are chosen that fulfill both program and general education requirements, students may be required to take additional elective courses (from those not already taken in areas above) to reach the required minimum of 60 credits for an associate degree.

Depth, two-course sequence requirement:

The University of Wisconsin system has a requirement that each associate degree program must contain at least one two-course sequence in which the first course provides the foundation for the second course. Both the required biological sciences and chemistry sequence of courses fulfill this requirement.

Leadership and Personalized Studies (AA)

Department website (https://www.uwp.edu/learn/programs/liberal-studies-and-leadershp-aa.cfm)

College: College of Arts & Humanities

The associate of arts degree with a major in leadership and personalized studies provides students a well-rounded academic foundation and a customized exploration of various leadership skills. A student graduating with an associate of arts degree with the leadership and personalized studies major will be open to learning and growing in their careers, and possess the analytical skills to navigate the increasingly dynamic employment landscape. The program consists of a minimum of 60 credits that includes university skills requirements, general education requirements, an ethnic diversity requirement, and the program-specific requirements.

Program Learning Outcomes

1. Communication: Effective communication skills include listening, speaking, reading, writing, and information literacy.
2. Ethical Reasoning and Action: Individual, social, and environmental responsibility includes civic knowledge and engagement (both global and local).
3. History: Recognizing patterns in past events and seeing their relevance to present-day life; demonstrating how contemporary social issues are rooted in past events and political choices; understanding the impacts of the social and physical environments on individual experience; and speculating in informed ways about how present-day trends might affect the future.
4. Critical and Creative Thinking: The capacity to combine or synthesize existing ideas and information; comprehensively explore issues, ideas, objects, and events before reaching a conclusion.
5. Intercultural Knowledge: Understanding and empathizing with people from diverse cultures; understanding societies and cultures on their own terms; interacting and working with people from diverse backgrounds; and leading or contributing support to those who lead.
6. Interdisciplinary Perspective: The ability to make deliberate connections among various academic disciplines, to comprehend and participate in more than one discipline; the ability to reflect on the nature and value of an interdisciplinary perspective.

Requirements for the A.A. in Leadership and Personalized Studies

Code	Title	Credits
Basic Skills Requirements		
English/Writing Skills Course		
ENGL 101	Composition and Reading [1]	3
Computational and Quantitative Skills Courses		
Select one of the following:		3-5
MATH 102	Quantitative Reasoning [2]	
MATH 103	Elementary Statistics [2]	
MATH 104	College Mathematics with Applications [2]	
MATH 111	College Algebra I [2]	
General Education Requirements [3]		
Humanities and the Arts Courses (12 credits)		
Six credits completed through required courses.		
Select six credits; three must be outside LBST and COMM.		6
Social and Behavioral Sciences Courses (12 credits)		
Three credits completed through required courses.		
Select nine credits, three may be LBST, the other six need to be from two different departments.		9
Natural Sciences Courses (12 credits)		
Select four courses from three different departments.		12
Ethnic Diversity Course		*0-3*
Select one course that carries “DV” credit.		
Leadership Core Courses		
COMM 105	Public Speaking for the 21st Century [4]	3
LBST 103	Understanding Social Justice [4]	3
LBST 210	Introduction to Leadership [4]	3
Leadership Elective Courses		
Select nine credits. Work with your program advisor to select courses personalized to your interests and learning outcomes.		9
Foreign Language Requirement [5]		
Select one of the following:		0-8
FREN 103 & FREN 104	Introductory French I and Introductory French II	
SPAN 103 & SPAN 104	Introductory Spanish I and Introductory Spanish II	
Electives		
In consultation with advisor, select other courses as needed to reach a total of at least 60 credits.		9
Total Credits		**60-73**

1. This course fulfills the university writing skills requirements.
2. This course fulfills the university computational skills requirements.
3. There are 36 credits required for general education, but after taking required courses for the program, 27 credits will be needed.
4. These courses count toward general education requirements for UW-Parkside.
5. 0-8 credits depending on placement.

How credits count:

Courses can count for multiple requirements such as a program requirement and a general education requirement but, the credits only count once.

Depth, two-course sequence requirement:

The University of Wisconsin system has a requirement that each associate degree program must contain at least one two-course sequence in which the first course provides the foundation for the second course. The sequence is met by the Leadership Core Requirement courses.

Military and Security Studies (AA)

Department website (https://www.uwp.edu/learn/programs/militaryandsecuritystudiesaa.cfm)

College: College of Social Sciences & Professional Studies

The Associate of Arts (AA) degree in military and security studies is open to all students, without military obligation. Students who are active in the

military or are currently enrolled in an ROTC program may be able to apply the credits earned in the AA to their advancement and promotion systems within their respective military services. Our veteran students may be able to demonstrate learning derived from their experiences that may transfer toward this degree through the Prior Learning Assessment (PLA) process. Military experience in critical and analytical thinking, decision making, communication, intercultural competencies, history, etc. may be directly applied to specific AA courses, rather than general electives, which is how ACE credits typically transfer. Traditional students enrolling in the AA will learn these valuable professional skills and applications that they will be able to utilize whether they continue in higher education or choose to enter the professional world.

The AA in military and security studies degree provides historical, ethical, and foundational skills to advance careers as leaders in the public/private sector or military. The AA in military and security studies focuses on interdisciplinary fundamental skills found in our general education curriculum that support both the public/private sector and military based professions.

The AA degree enables students to earn a credential after approximately two years of study in general education, university skill requirements, program requirements, and a capstone course. Upon entering the program, a student will meet with an advisor to discuss educational and professional goals and plan the best selection of courses to meet those goals. Upon completion of the AA degree, students will have the option to continue on to complete a bachelor's degree, with the completed Associate of Arts credential in hand. Students may pursue any UW# Parkside bachelor's degree program, noting however, that this AA has been created to lead into Bachelor's degrees in the social and behavioral science disciplines, but does not preclude any student from pursuing the degree.

See the Associate Degree section of the catalog for more programmatic and curricular information.

Program Learning Outcomes

1. Articulate foundational knowledge and possess a skill set through effective inter#cultural written and oral communication. (Communication skills/Cultural competence)
2. Utilize considerations of context in decision#making (American and International historical foundations/spatial awareness)
3. Develop the skills and awareness vital to the success of citizens of an advanced technological society, and habits of mind that promote lifelong learning, responsible actions, and independent thinking. (Physical fitness/physical science)
4. Apply ethical perspectives/concepts to an ethical question, accurately, and consider full implications of the application. (Ethics and morals)

Requirements for the A.A. in Military and Security Studies

To complete this degree program students must complete all required courses and earn a minimum cumulative degree grade point average of 2.00.

Code	Title	Credits
University Requirements		
English/Writing Skills Course		
ENGL 101	Composition and Reading [1]	3
Computational and Quantitative Skills Courses		
Select one of the following:		3-4
MATH 102	Quantitative Reasoning [2]	
MATH 103	Elementary Statistics [2]	
MATH 104	College Mathematics with Applications [2]	
MATH 111	College Algebra I [2]	
University Requirements Subtotal		6-7
General Education Requirements		
Humanities and the Arts Courses [3]		
Social and Behavioral Sciences Courses [4]		
Natural Sciences Courses		
Select two credits [5]		2
Ethnic Diversity Course [6]		
Fundamental Skills Requirements		
American Historical Foundations		
Select two of the following:		6
CRMJ 101	Introduction to Criminal Justice [7]	
HIST 101	The United States: Origins to Reconstruction [7]	
HIST 102	The United States: Reconstruction to Recent Times [7]	
POLS 100	American Politics [7]	
Communication Skills		
COMM 105	Public Speaking for the 21st Century [7]	3
ENGL 101	Composition and Reading [1]	3
Cultural Competence		
COMM 107	Communication and the Human Condition [7]	3
Spatial Awareness		
GEOG 110	Introduction to Geography: World Regions [7]	3
Ethics and Morals		
PHIL 206	Introduction to Ethics [7]	3
PHIL 215	Contemporary Moral Problems [7]	3
International Historical Foundations		
Select one of the following:		3
HIST 128	World History III: From 1800 to the Present [7]	
INTS 100	Introduction to International Studies [7]	
POLS 103	Introduction to Comparative Politics [7]	
POLS 104	Introduction to International Relations [7]	
Physical Fitness		
HLTH 280	Nutrition for Wellness	3
Physical Science		
GEOG 100	Physical Geography and the Environment [7]	3
PHYS 101	Principles of Physics [7]	4
Fundamental Skills Requirements Subtotal		39
Core Program Requirements		
Analytical Skills		
Select one of the following according to Advanced Professional Skill Path:		3-4
CRMJ 200	Criminal Justice Research Methods	
HIST 250	Sources and Methods in History	
POLS 200	Research Methods and Sources	
Conflict Analysis		
COMM 285	Introduction to Conflict Analysis and Resolution	3

Decision Making		
POLS 217	Tactical Decision Making	3
POLS 317	Strategic Decision Making	3
Core Program Requirements Subtotal		12-13
Advanced Professional Skills		
Select two courses from one area of the following:		6
Geographical Inquiry		
GEOG 250	Map Use and Analysis	
Leadership Development		
LBST 210	Introduction to Leadership [7]	
Military History		
HIST 260	International Conflict	
HIST 290	Special Topics in History (Civil War History Topic)	
HIST 319	Arab-Israeli Conflict	
HIST 324	History of American Politics	
HIST 345	America in Power and Peril 1917-1953	
Homeland Security		
Select two courses with advisor consultation:		
CRMJ 235	Police and Society	
CRMJ 387	Terrorism and Security	
CSCI 279	Basic Information Security	
POLS 224	American Foreign Policy	
POLS 304	Theories of International Relations	
Total Credits		**63-65**

1 This course fulfills the university writing skills requirements.

2 This course fulfills the university computational skills requirements.

3 0 additional credits needed – all 12 credits fulfilled by program requirements.
Required program courses that also fulfill this requirement: COMM 107 Communication and the Human Condition, PHIL 206 Introduction to Ethics, PHIL 215 Contemporary Moral Problems, COMM 105 Public Speaking for the 21st Century.

4 0 additional credits needed – all 12 credits fulfilled by program requirements.
Required program courses that also fulfill this requirement: GEOG 110 Introduction to Geography: World Regions; choice of two American Historical Foundations courses from CRMJ 101 Introduction to Criminal Justice, HIST 101 The United States: Origins to Reconstruction, HIST 102 The United States: Reconstruction to Recent Times, POLS 100 American Politics; and choice of one International Historical Foundations courses from HIST 128 World History III: From 1800 to the Present, INTS 100 Introduction to International Studies, POLS 103 Introduction to Comparative Politics, POLS 104 Introduction to International Relations.

5 2 additional credits needed - 10 credits fulfilled by program requirements.
Required program courses that also fulfill this requirement: GEOG 100 Physical Geography and the Environment, HLTH 280 Nutrition for Wellness, PHYS 101 Principles of Physics.

6 0 additional credits needed – 3 credits fulfilled by program requirements.
Required program course that also fulfills this requirement: COMM 107 Communication and the Human Condition.

7 These courses count toward general education requirements for UW-Parkside.

Check the course schedule and work with your advisor to find courses that fulfill your general education and/or ethnic diversity requirements.

How credits count:

Courses can count for multiple requirements such as a program requirement and a general education requirement but, the credits only count once. Therefore, depending on how many courses are chosen that fulfill both program and general education requirements, students may be required to take additional elective courses (from those not already taken in areas above) to reach the required minimum of 60 credits for an associate degree.

Depth, two-course sequence requirement:

The University of Wisconsin system has a requirement that each associate degree program must contain at least one two-course sequence in which the first course provides the foundation for the second course. Examples of requirements that would fulfill this requirement:

CRMJ 101 Introduction to Criminal Justice & CRMJ 200 Criminal Justice Research Methods or CRMJ 235 Police and Society or CRMJ 387 Terrorism and Security; HIST 101 The United States: Origins to Reconstruction or HIST 102 The United States: Reconstruction to Recent Times or HIST 128 World History III: From 1800 to the Present & HIST 250 Sources and Methods in History; HIST 250 Sources and Methods in History & HIST 319 Arab-Israeli Conflict or HIST 324 History of American Politics or HIST 345 America in Power and Peril 1917-1953; POLS 100 American Politics or POLS 103 Introduction to Comparative Politics or POLS 104 Introduction to International Relations & POLS 200 Research Methods and Sources or POLS 224 American Foreign Policy; POLS 200 Research Methods and Sources & POLS 304 Theories of International Relations; POLS 217 Tactical Decision Making & POLS 317 Strategic Decision Making.

Physics (AS)

Department website (https://www.uwp.edu/learn/programs/physicsassociate.cfm)

College: College of Natural & Health Sciences

The associate of science degree with a major in physics is designed for students who are interested in acquiring a solid understanding of physics to be able to join the technical workforce in the technical industry. This program specifically embodies the two years of courses needed in preparation for students transferring to UW-Milwaukee's engineering program. The program consists of 60-68 credits that includes university skills requirements, general education requirements, an ethnic diversity requirement and the program-specific requirements.

Requirements for the A.S. in Physics

To complete this degree program students must complete all required courses and earn a minimum cumulative degree grade point average of 2.00.

Code	Title	Credits
Basic Skills Requirements		
English/Writing Skills Course		
ENGL 101	Composition and Reading [1]	3
Computational and Quantitative Skills Courses		
MATH 111	College Algebra I	5

Basic Skills Requirements Subtotal		8
General Education Requirements		
Humanities and the Arts Courses		
Select four courses from three different departments [3,4]		12
Social and Behavioral Sciences Courses		
Select four courses from three different departments [3]		12
Natural Sciences Courses		
Select one course not from math (MATH) or physics (PHYS) [3,5]		2
General Education Requirements Subtotal		26
Ethnic Diversity Course		
Select one course that carries "DV" credit [3,6]		0-3
Ethnic Diversity Course Subtotal		0-3
Math and Physics Requirements		
Required Courses		
MATH 221	Calculus and Analytic Geometry I [3]	5
MATH 222	Calculus and Analytic Geometry II [3]	5
PHYS 201	General Physics I [3]	5
PHYS 202	General Physics II [3]	5
Electives Courses / Required Engineering Major Specific Courses		
Select ten to eighteen credits of the following: [7]		10-18
PENG 211	Statics	
PENG 212	Dynamics	
PENG 214	Electrical Circuits I	
PENG 215	Materials Science and Engineering	
PENG 216	Engineering Drawing and Computer Aided Design	
PHYS 205	Modern Physics	
PHYS 241	Scientific Programming	
PHYS 301	Classical Mechanics	
PHYS 302	Electricity and Magnetism	
PHYS 403	Thermodynamics	
Math and Physics Requirements Subtotal		30-38
Total Credits		**64-75**

1. This course fulfills the university writing skills requirements.
2. This course (or a higher-level math course if determined through placement or transfer) fulfills the university computational skills requirements.
3. Check the course schedule and work with your advisor to find courses that fulfill your general education and/or ethnic diversity requirements.
4. COMM 105 Public Speaking for the 21st Century is highly recommended.
5. Required courses fulfill part of this requirement.
6. A course that also is a general education course may be used to satisfy this requirement.
7. Students seeking the associate of science degree with a major in physics must complete a minimum of 10 credits chosen from the list below. Selection of courses to fulfill these credits should be in consultation with an academic or a faculty advisor.
   Students intending to earn the associate of science degree with a major in physics and continue on to a UWM engineering program must complete 15 or more credits depending on their chosen engineering major. Selection of courses to fulfill these credits should be in consultation with an academic or a faculty advisor.

How credits count:

Courses can count for multiple requirements such as a program requirement and a general education requirement but, the credits only count once. Therefore, depending on how many courses are chosen that fulfill both program and general education requirements, students may be required to take additional elective courses (from those not already taken in areas above) to reach the required minimum of 60 credits for an associate degree.

Depth, two-course sequence requirement:

The University of Wisconsin system has a requirement that each associate degree program must contain at least one two-course sequence in which the first course provides the foundation for the second course. There are multiples of sequential courses in this program including but not limited to: MATH 221 Calculus and Analytic Geometry I & MATH 222 Calculus and Analytic Geometry II; PHYS 201 General Physics I & PHYS 202 General Physics II or PHYS 301 Classical Mechanics; PHYS 202 General Physics II & PHYS 205 Modern Physics or PHYS 302 Electricity and Magnetism.

Professional Studies (AA)

Department website (https://www.uwp.edu/learn/programs/professionalstudiesaa.cfm)

College: College of Social Sciences & Professional Studies

The Associate of Arts (AA) in professional studies degree is a generalist degree aimed at preparing students for careers, citizenship, and possibly further education. An AA in professional studies focuses on analytical skills designed for success in the private and public sector.

Students enrolling in the AA will learn valuable professional skills and applications that they will be able to utilize whether they continue in higher education or choose to enter the professional world. Upon completion of the AA degree, students will have the option to continue on to complete a bachelor's degree, with the completed Associate of Arts credential in hand.

The AA degree enables students to earn a credential after approximately two years of study in general education, university skill requirements, program requirements, and a capstone course. Upon entering the program, a student will meet with an advisor to discuss educational and professional goals and plan the best selection of courses to meet those goals. Upon completion of the AA degree, students will have the option to continue on to complete a bachelor's degree, with the completed Associate of Arts credential in hand. Students may pursue any UW# Parkside bachelor's degree program, noting however, that this AA has been created to lead best into Bachelor's degrees in the social and behavioral science disciplines, but does not preclude any student from pursuing the degree.

See the Associate Degree section of the catalog for more programmatic and curricular information.

1. Students earning the AA in professional studies degree will be practically and intellectually prepared to enter the job market.
2. Students earning the AA in professional studies degree and leaving college will be intellectually prepared to consider returning, when ready and able, to complete a four-year bachelor's degree.
3. Students earning the AA in professional studies degree will demonstrate the intellectual and interpersonal skills that will help them contribute to innovation in the community and in the workplace.

Requirements for the A.A. in Professional Studies

Code	Title	Credits
Basic Skills Requirements		
English/Writing Skills Course		
ENGL 101	Composition and Reading [1]	3
Computational and Quantitative Skills Courses		
Select one of the following:		3-4
MATH 102	Quantitative Reasoning [2]	
MATH 103	Elementary Statistics [2,4]	
MATH 104	College Mathematics with Applications [2]	
MATH 111	College Algebra I [2]	
General Education Requirements [3]		
Humanities and the Arts Courses		
Select four courses from three different departments [4,5]		3-6
Social and Behavioral Sciences Courses		
Select four courses from three different departments [4,6]		9-12
Natural Sciences Courses		
Select four courses from three different departments [3,7]		3-12
Ethnic Diversity Course		
Select one course that carries "DV" credit [4,8]		0-3
Program Core Requirements		
Communication		
COMM 105	Public Speaking for the 21st Century [4,5]	3
Citizenship		
Select one of the following:		3
POLS 100	American Politics [4,6]	
POLS 105	Introduction to Politics [4,6]	
PHIL 215	Contemporary Moral Problems [4,5]	
Cultural Awareness		
Select one of the following:		3
ANTH 200	Cultural Anthropology [4,6]	
ART 124	Lowriders, Kicks, and Graffiti [4,5,8]	
GEOG 105	Contemporary Human Geography [4,6]	
PHYS 120	Astronomy of Native America [4,7,8]	
THEA 208	Multicultural Theatre in America [4,5,8]	
Program Fundamental Skills		
Analytical Skills		
Select one of the following:		3-4
ANTH 300	Topics in Data Collection and Analysis:	
CRMJ 200	Criminal Justice Research Methods	
HIST 250	Sources and Methods in History	
PHIL 275	Techniques of Philosophical Research	
POLS 200	Research Methods and Sources	
QM 210	Business Statistics I	
SOCA 250	Statistics for the Social Sciences	
Global Literacy		
Select one of the following:		3
ART 125	Survey of World Art [4,5]	
GEOG 110	Introduction to Geography: World Regions [4,6]	
INTS 100	Introduction to International Studies [4,6]	
POLS 104	Introduction to International Relations [4,6]	
Program Advanced Professional Skills		
Required Ethics Course		
PHIL 206	Introduction to Ethics [4,5]	3
Private or Public Sector Option		
Select one course from Private or Public Sector Options:		3
Private Sector Option		
BUS 100	Introduction to Business [4,6]	
ECON 101	The American Economy [4,6]	
ECON 121	Principles of Macroeconomics [4,6]	
ECON 120	Principles of Microeconomics [4,6]	
Public Sector Option		
CBL 101	Introduction to Community Engagement [4,6]	
ENVS 101	Introduction to Environmental Studies [4,7]	
GEOG 100	Physical Geography and the Environment [4,7]	
POLS 202	Public Policy	
SOCA 101	Introduction to Sociology [4,6]	
SOCA 206	Race and Ethnic Relations in the U.S. [4,6,8]	
Electives		
In consultation with advisor, select other courses as needed to reach a total of at least 60 credits.		18
Total Credits		**60-80**

1. This course fulfills the university writing skills requirements.
2. This course fulfills the university computational skills requirements.
3. There are 36 credits required for general education but, after taking required courses for the program, a range of 30 credits will be needed depending on the program elective choices.
4. These courses count toward general education requirements for UW-Parkside.
   Check the course schedule and work with your advisor to find courses that fulfill your general education and/or ethnic diversity requirements.
5. Required courses PHIL 206 Introduction to Ethics and COMM 105 Public Speaking for the 21st Century fulfill part of this requirement. Program elective courses may also fulfill part of this requirement (ART 124 Lowriders, Kicks, and Graffiti; ART 125 Survey of World Art; PHIL 215 Contemporary Moral Problems, and THEA 208 Multicultural Theatre in America).
6. Program elective courses may fulfill part of this requirement (i.e. POLS 100 American Politics, POLS 105 Introduction to Politics; BUS 100 Introduction to Business; SOCA 206 Race and Ethnic Relations in the U.S.; ANTH 200 Cultural Anthropology; GEOG 105 Contemporary Human Geography; INTS 100 Introduction to International Studies; GEOG 110 Introduction to Geography: World Regions; POLS 104 Introduction to International Relations; ECON 101 The American Economy; ECON 120 Principles of Microeconomics; ECON 121 Principles of Macroeconomics; CBL 101 Introduction to Community Engagement; SOCA 101 Introduction to Sociology; SOCA 206 Race and Ethnic Relations in the U.S.).
7. Program elective courses may fulfill part of this requirement (i.e. ENVS 101 Introduction to Environmental Studies; GEOG 100 Physical Geography and the Environment; PHYS 120 Astronomy of Native America).
8. A program elective course may also be used to satisfy this requirement (ART 124 Lowriders, Kicks, and Graffiti; PHYS 120: Astronomy of Native

America; THEA 208 Multicultural Theatre in America; and SOCA 206 Race and Ethnic Relations in the U.S.).

How credits count:

Courses can count for multiple requirements such as a program requirement and a general education requirement but, the credits only count once. Therefore, depending on how many courses are chosen that fulfill both program and general education requirements, students may be required to take additional elective courses (from those not already taken in areas above) to reach the required minimum of 60 credits for an associate degree.

Depth, two-course sequence requirement:

The University of Wisconsin system has a requirement that each associate degree program must contain at least one two-course sequence in which the first course provides the foundation for the second course. While there may be multiples in this program the sequence of PHIL 206 Introduction to Ethics, and a Private or Public Sector course fulfill the requirement.

Biological Sciences

Department website (https://www.uwp.edu/learn/departments/biologicalsciences/)

College: College of Natural & Health Sciences

Student Organizations/Clubs:

Biology Club, Molecular Biology Club, Pre-Health Professions Club

Career Possibilities:

Health professional; research scientist; veterinary medicine; industrial research, development, quality control, product specialist; zoologist; botanist; ecologist; conservation biologist; naturalist.

Department Overview

Since the opening of the university in 1968, UW-Parkside's Biological Sciences Department has developed and maintained an outstanding program with a strong track record of preparing graduates for successful careers in the life sciences. The department attracts many quality students from diverse backgrounds and has a robust research culture covering a wide array of specializations, making it an ideal environment for students ready to explore the fascinating world around them while also preparing for one of the many career options available to graduates our program.

The Biological Sciences faculty is committed to the teacher-scholar model and our pedagogy emphasizes quality teaching, hands-on experience with modern methods and direct involvement of undergraduate students in research. The department maintains active research facilities with both state-of-the-art instrumentation for indoor benchwork, but also a network of managed natural areas to provide research opportunities in biodiversity and environmental science.

The department offers two majors. The biological sciences major is appropriate for students with a general interest in biology and would be appropriate for most students interested in careers in medicine, field biology or laboratory work. The molecular biology and bioinformatics major is designed for students who wish to specialize in this cutting-edge and rapidly growing field. Both majors are appropriate for students preparing for the health professions or research careers; consult with the pre-health advisors for advice relating to your specific career goals.

The department supports several student organizations: Biology Club, Molecular Biology Club, and the Pre-Health Professions Club. These clubs promote learning and career preparation outside the formal classroom. Activities include field trips, guest lectures, mentoring, and social activities. See your academic advisor or contact the department office for information about how to become involved.

The biological sciences program greatly values collaboration across departments. In addition to general education courses, we offer core and elective courses for several other majors and programs including applied health sciences, nursing, biochemistry, environmental studies, and several pre-professional programs.

Departmental Honors Program

Students completing a bachelor of science degree in either biological sciences or molecular biology and bioinformatics may earn departmental honors reflecting outstanding achievement in academics and research. To attain honors a student must have:

- A cumulative GPA of 3.0 or higher and a GPA of 3.5 or higher for all courses required within one of the majors,
- Minimum of four credits of BIOS 499 Independent Study,
- Successfully complete an oral or poster presentation detailing independent research accomplishments within BIOS 499 Independent Study,
- Successfully complete a written research thesis detailing independent research accomplishments within BIOS 499 Independent Study,
- Satisfactory completion of the above requirements must be evaluated and approved by a departmental committee composed of two biological sciences faculty members.

Students interested in completing departmental honors must file a biological sciences honor application with the department prior to their senior year.

Programs Offered

- Biological Sciences Major (BS) (p. 57)
- Molecular Biology and Bioinformatics Major (BS) (p. 62)
- Biological Sciences Minor (p. 64)
- Laboratory Sciences (AS) (p. 47)

Biological Sciences Major Concentration

- Pre-Health Professions

Courses in Biological Sciences

BIOS 100 | Nature of Life | 3 cr
Explores nature of living things and current developments in biology. Designed specifically for non-science majors; not for credit toward biological sciences major. Three-hour lecture or online.
Prerequisites: None.
Offered: Fall, Spring, Summer.
Meets: Natural Science: BIOS, Natural Science: BIOS, Natural Science: BIOS, Natural Science: BIOS, Natural Science: BIOS

BIOS 101 | Bioscience | 4 cr
This course focuses on biochemistry, cell biology, genetics, and molecular biology. It is intended to provide a background upon which upper division courses will be built. Three-hour lecture; three-hour lab.
Prerequisites: MATH 111 or concurrent enrollment; placement into ENGL 100 or higher.
Offered: Fall, Spring.
Meets: Natural Science: BIOS, Natural Science: BIOS, Natural Science: BIOS, Natural Science: BIOS, Natural Science: BIOS

BIOS 102 | Organismal Biology | 4 cr
A broad introduction to the diversity of life, recognizing functional similarities and dissimilarities as related to successful adaptation to the environment. It is intended to provide a background upon which upper division courses will be built. Three-hour lecture; three-hour lab.
Prerequisites: MATH 111 or concurrent enrollment; placement into ENGL 100 or higher.
Offered: Fall, Spring.

BIOS 103 | Human Biology | 3 cr
A general course which covers basic information about the human body. Designed specifically for non-science majors; not for credit toward biological sciences major. 3-hour lecture.
Prerequisites: None.
Offered: Yearly.
Meets: Natural Science: BIOS, Natural Science: BIOS, Natural Science: BIOS, Natural Science: BIOS, Natural Science: BIOS

BIOS 104 | Environmental Science: Biological Approach | 3 cr
The study of the associations between human populations, biodiversity, resources, technology, lifestyles and environmental crisis from a biological approach. Meets DPI content requirement in environmental education; not for credit toward biological sciences major.
Prerequisites: None.
Offered: Summer.
Meets: Natural Science: BIOS, Natural Science: BIOS, Natural Science: BIOS, Natural Science: BIOS, Natural Science: BIOS

BIOS 105 | Human Physiology and Anatomy I | 5 cr
An integrated lecture/laboratory course using a system approach to understand structure and function of the human body. Topics include homeostasis, biological and chemical principles, tissues, skin, skeleton, muscles and digestion, and includes cat dissection and cadaver demonstration. Three-hour lecture; two-hour discussion; two-hour lab.
Prerequisites: None.
Offered: Fall, Spring.

BIOS 106 | Human Physiology and Anatomy II | 5 cr
A continuation of BIOS 105; focusing on the nervous, immune, circulatory, respiratory, urinary, endocrine and reproductive systems. Not for credit toward biological sciences major. Three-hour lecture; two-hour discussion; two-hour lab.
Prerequisites: BIOS 105.
Offered: Fall, Spring.

BIOS 109 | Biology of Aging | 3 cr
Introduces the process of human aging. Explains fundamental principles of human physiology and how it relates to successful aging. Includes student team presentations.
Prerequisites: None.
Offered: Spring.
Meets: Natural Science: BIOS, Natural Science: BIOS, Natural Science: BIOS, Natural Science: BIOS, Natural Science: BIOS

BIOS 114 | Freshmen Seminar in Biological/Health Sciences | 1 cr
Overview of education, careers, and potential growth opportunities in health-related fields and biological sciences. Not for credit towards biological sciences major. Two-hour lecture.
Prerequisites: None.
Offered: Fall.

BIOS 125 | Fundamentals of Freshwater | 3 cr
Covers the physical, chemical, and biological aspects of water required to understand contemporary economic, political, and environmental water issues through local, national, and international scopes. Three-hour lecture.
Prerequisites: None.
Offered: Spring.
Meets: Natural Science: ENVS, Natural Science: ENVS, Natural Science: ENVS, Natural Science: ENVS, Natural Science: ENVS

BIOS 190 | Fundamentals of Human Nutrition | 2 cr
A study of requirements and functions of essential nutrients throughout life. Cultural influences on food habits and the basis for diet assessment will also be discussed. Recommended for UW-Milwaukee nursing students. Not for credit toward biological sciences major. Two-hour lecture.
Prerequisites: BIOS 106 and CHEM 215 or concurrent enrollment.
Offered: Spring.

BIOS 202 | General Microbiology | 4 cr
Explores structure, growth, reproduction, and activities of microorganisms including medical applications. Covers isolation and propagation of bacteria. Not for credit toward biological sciences major/minor. Three-hour lecture; three-hour lab.
Prerequisites: BIOS 105 or NURS 251; CHEM 102 and CHEM 104, or CHEM 115.
Offered: Fall.

BIOS 207 | Research Process in Biology | 2 cr
Introduces the methods of scientific inquiry and the skills needed to be productive in a research environment. Fosters a dynamic perspective of science, where ongoing observation, experimentation and interpretation continuously shape understanding.
Prerequisites: BIOS 101 or BIOS 102; and consent of instructor.
Offered: Fall.

BIOS 210 | Biostatistics | 4 cr
Introduces quantitative methods of scientific inference used in the analysis and design of biological observations and experiments. Topics include measurement, sampling, descriptive statistics, analysis of variance, correlation, regression, and analysis of frequencies. Three-hour lecture; three-hour lab.
Prerequisites: BIOS 101, BIOS 102 and MATH 112, MATH 113 or equivalent.
Offered: Fall, Spring.

BIOS 260 | General Genetics | 4 cr
Explains fundamental principles including transmission, molecular and population genetics. Introduces lab techniques for investigating organisms including microorganisms, plants, lower animals and humans. Three-hour lecture; three-hour lab.
Prerequisites: BIOS 101, BIOS 102; BIOS 210 or concurrent registration and CHEM 102, CHEM 104.
Offered: Fall, Spring.

BIOS 290 | Special Topics in Biological Sciences | 1-4 cr
Selected topics in the biological sciences. May repeat with different topic.
Prerequisites: Varies with topic.
Offered: Occasionally.

BIOS 300 | Human Functional Anatomy | 4 cr
Fundamental study of organization and structure of tissues, organs and systems of the human body and their relationship to function. Three-hour lecture; three-hour lab.
Prerequisites: BIOS 101 and BIOS 102 or consent of instructor.
Offered: Fall, Spring.

BIOS 301 | Cell Biology | 3 cr
Studies cells and cellular organelles. Emphasizes the relationship between cellular and macromolecular structure and function. Three-hour lecture and one-hour discussion.
Prerequisites: BIOS 260, and CHEM 322, or concurrent registration.
Offered: Spring (odd years).

BIOS 303 | Microbiology | 4 cr
Advanced treatment of the structure, growth and activities of microorganisms including medical microbiology, microbial pathogenesis and environmental microbiology. Three-hour lecture; three-hour lab. Multi-career cross-listing: BIOS 503.
Prerequisites: BIOS 260 or consent of instructor.
Offered: Spring.

BIOS 305 | Principles of Ecology | 4 cr
Introduces the relations of plants and animals to their organic and inorganic environments emphasizing phenomena and causes of distribution and abundance at the population and community levels. Includes a field-oriented laboratory. Three-hour lecture; three-hour lab; field trips. Multi-career cross-listing: BIOS 505.
Prerequisites: BIOS 101, BIOS 102 and BIOS 210.
Offered: Fall (odd years).

BIOS 307 | Biochemical Metabolism | 3 cr
A study of the chemistry of biological systems with emphasis on metabolism and macromolecular biosynthesis. Three-hour lecture. Cross-listed with: CHEM 307.
Prerequisites: BIOS 101, BIOS 102 and CHEM 322 or consent of instructor.
Offered: Fall.

BIOS 309 | Molecular Biology | 3 cr
Study of DNA, RNA, and Proteins; the regulation or their synthesis; and the important roles they have in cells and organisms. Three-hour lecture/discussion. Multi-career cross-listing: BIOS 509.
Prerequisites: BIOS 260; CHEM 322 or concurrent enrollment.
Offered: Spring.

BIOS 310 | Freshwater Ecology | 4 cr
Examines fundamental concepts in freshwater ecology, including the physical and chemical aspects of water and the significance of these properties for plants and animals at the individual, population and community levels. Includes experimental research and field surveys. Three-hour lecture; three-hour lab. Multi-career cross-listing: BIOS 510.
Prerequisites: BIOS 101, BIOS 102, BIOS 210 (concurrent enrollment) or equivalent, or consent of instructor.
Offered: Fall (even years).

BIOS 311 | Parasitology | 4 cr
Investigates the biology, ecology, classification, and significance of parasitic animals of humans and wildlife in Southeast Wisconsin. Includes host-parasite interactions, distribution of parasites throughout the world and examination of parasite life cycles and transmission. Three-hour lecture; three-hour laboratory.
Prerequisites: BIOS 101, BIOS 102; or consent of instructor.
Offered: Fall (odd years).

BIOS 313 | Invertebrate Zoology | 4 cr
Explores the diversity, distribution, ecology, and evolutionary relationships of nonchordate animals, emphasizing Arthropoda. Includes experimental research and field surveys. Three-hour lecture; Three-hour lab.
Prerequisites: BIOS 101, BIOS 102 and BIOS 210.
Offered: Fall (even years).

BIOS 314 | Evolutionary Biology | 3 cr
Introduces basic mechanisms of evolutionary change including population genetics and speciation. Considers evolutionary history including phylogenetic estimation, the fossil record, and biogeography. Three-hour lecture. Multi-career cross-listing: BIOS 514.
Prerequisites: BIOS 101, BIOS 102, BIOS 260.
Offered: Spring.

BIOS 317 | Developmental Biology | 3 cr
Study of developmental anatomy and molecular mechanisms of development among representative vertebrate models from cleavage through organogenesis. Three-hour lecture.
Prerequisites: BIOS 101, BIOS 102; or consent of instructor.
Offered: Spring.

BIOS 318 | Vertebrate Zoology | 4 cr
An introduction to the biology of vertebrates with emphasis on structure, diversity, evolution, and distribution. Field trips. Three-hour lecture; three-hour lab.
Prerequisites: BIOS 101, BIOS 102 or consent of instructor.
Offered: Fall.

BIOS 324 | Botany | 4 cr
Studies the plant kingdom through the lens of ecology and evolution, emphasizing economic and cultural uses. Three-hour lecture; three-hour lab. Requires lab fees.
Prerequisites: BIOS 101, BIOS 102, and BIOS 210.
Offered: Spring (even years).

BIOS 329 | Paleontology | 3 cr
Applies principles, practices, and procedures to important fossil invertebrate groups; generalized discussion of plants and vertebrates; elements of biostratigraphy; paleoenvironmental interpretations. Field trips. Two-hour lecture; two-hour lab. Cross-listed with: GEOS 309.
Prerequisites: GEOS 102 or BIOS 102.
Offered: Spring.

BIOS 330 | Topics in Field Biology: | 3 cr
A field-oriented course including topics such as ecology of major biomes, geographical and geological impact on organisms, aspects of plant/animal systematics. The course will focus on selected areas of interest in field biology. Field trips. Special fees required. One-hour lecture.
Prerequisites: BIOS 101, BIOS 102 or consent of instructor.
Offered: Occasionally.

BIOS 333 | Restoration Ecology | 4 cr
Explores the diversity, distribution, ecology, and evolutionary relationships of nonchordate animals, with an emphasis on Arthropoda. Includes experimental research and field surveys. Three-hour lecture; three-hour lab.
Prerequisites: BIOS 102 or BIOS 104 or ENVS 101.
Offered: Occasionally.

BIOS 336 | Conservation Ecology | 3 cr
Examines the fundamental ecological and cultural drivers of the biodiversity crisis emphasizing proven strategies for maintaining and improving ecological diversity in our local and regional ecosystems. Three-hour lecture. Multi-career cross-listing: BIOS 536.
Prerequisites: BIOS 101, BIOS 102 and BIOS 210.
Offered: Spring (odd years).

BIOS 340 | Animal Behavior | 4 cr
Emphasizes the evolution and complexity of animal behaviors based on a variety of animal species from invertebrates to mammals. Three-hour lecture; three hour lab.
Prerequisites: BIOS 210.
Offered: Fall (even years).

BIOS 341 | Mammalian Physiology | 3 cr
Advanced treatment of major mammalian organ systems and their roles in homeostasis.
Prerequisites: BIOS 210, CHEM 321, or consent of instructor; BIOS 300 recommended.
Offered: Fall.

BIOS 342 | Mammalian Physiology Laboratory | 1 cr
Uses models, computer programs, and experiments to examine major mammalian organ systems and their role in homeostasis. Three-hour laboratory.
Prerequisites: BIOS 341, concurrent registration in BIOS 341, or consent of instructor.
Offered: Fall.

BIOS 344 | Plant Physiology | 3 cr
Examines plant growth, development and nutrition form the physiology point of view. Includes aspects of plants in food production, the environment and human health.
Prerequisites: BIOS 101, BIOS 102.
Offered: Occasionally.

BIOS 351 | Virology | 3 cr
Presents a broad overview of viruses and other subcellular infectious agents with respect to their molecular structure, diversity of chemical composition, taxonomy, and strategies of infection and replication. Bacteriophage, plant viruses, and animal viruses will be discussed. Special topics include biotechnological applications of viruses, the remodeling of their hosts by bacteriophage, defense against viral infection, and viruses and cancer.
Prerequisites: BIOS 260, CHEM 321, or consent of instructor.
Offered: Occasionally.

BIOS 355 | Biology of Cancer | 3 cr
Explores the genetic and molecular mechanisms underlying the broad disease of cancer. Three-hour lecture/discussion.
Prerequisites: BIOS 260, and CHEM 322 or concurrent registration.
Offered: Fall (even years).

BIOS 390 | Special Topics in Bioiological Sciences | 1-4 cr
Selected topics in the biological sciences. May repeat with different topic.
Prerequisites: Varies with topic.
Offered: Occasionally.

BIOS 411 | Microbial Physiology and Diversity | 3 cr
Explores diverse molecular mechanisms of microbial physiology. Topics include microbial regulation of gene expression, metabolism, behavior, symbiosis, and applications to biotechnology. Three-hour lecture/discussion. Multi-career cross-listing: BIOS 611.
Prerequisites: BIOS 303 or consent of instructor.

BIOS 414 | Molecular Evolution | 3 cr
Examines the evolution of nucleic acids and proteins. Five major topics: genetic variability; the causes of molecular evolution and the neutral theory; methods of detecting genetic variability; the use of molecular markers for estimating phylogeny; and the evolution of genome structure. Three-hour lecture/discussion. Multi-career cross-listing: BIOS 614.
Prerequisites: BIOS 309 or BIOS 314, or consent of instructor.
Offered: Occasionally.

BIOS 435 | Experimental Methods/Biochemistry Laboratory | 2 cr
Familiarization with the use of scientific instruments and techniques, and developing proficiency in the process of scientific investigation. This is a capstone course intended for Biological Sciences majors who have completed all 200-level core courses. Four-hour lab. Cross-listed with: CHEM 308.
Prerequisites: CHEM 322 and consent of instructor.
Offered: Fall, Spring.

BIOS 436 | Conservation Ecology Lab | 2 cr
Provides practical experience applying the theories from general ecology and conservation ecology toward developing strategies for protecting and enhancing ecological diversity. Emphasizes mastering the multi-dimensional methods, tools and skills needed by modern conservation professionals. Multi-career cross-listing: BIOS 636.
Prerequisites: BIOS 305 or BIOS 336 or concurrent registration; or consent of instructor.
Offered: Spring (odd years).

BIOS 445 | Research Methods in Ecology and Evolution | 2 cr
Provides a capstone experience in applied field and laboratory research. Includes sampling natural and experimental populations and ecological communities coupled with multivariate statistical and analytical methods commonly used in ecology and evolutionary biology. One-hour lecture; three-hour lab. Requires lab fees. Multi-career cross-listing: BIOS 645.
Prerequisites: BIOS 305, BIOS 310 or BIOS 314 (or concurrent enrollment), and consent of instructor.
Offered: Fall.

BIOS 453 | Molecular Biology and Bioinformatics of Nucleic Acids | 4 cr
Covers techniques and theory of nucleic acid isolation (DNA and RNA) and analysis including laboratory and computational methods. Includes common laboratory methods for isolating and characterizing nucleic acids. Eight hour lecture/lab. Multi-career cross-listing: BIOS 653.
Prerequisites: BIOS 260, BIOS 309, and consent of instructor.
Offered: Fall.

BIOS 455 | Protein Biochemistry and Bioinformatics | 4 cr
Provides practical experience in protein expression, purification, and characterization with emphasis on enzymology and use of computer programming for development of relevant bioinformatics applications. Eight-hour lecture/lab. Requires lab fee. Multi-career cross-listing: BIOS 655.
Prerequisites: BIOS 260, BIOS 309, and consent of instructor.
Offered: Spring.

BIOS 489 | Molecular Biology and Bioinformatics Senior Project | 1 cr
Students work independently on a project, applying skills and knowledge acquired from previous course work. Students submit a written report and give a public, oral presentation of their project. May be repeated for maximum of 2 credits.
Prerequisites: BIOS 453, BIOS 455; and consent of instructor.
Offered: Fall, Spring, Summer.

BIOS 490 | Advanced Topics in Biological Sciences: | 1-4 cr
Selected topics in the biological sciences.
Prerequisites: Varies with topic.
Offered: Occasionally.

BIOS 494 | Internship | 1-3 cr
Provides learning experiences in which a student works with a sponsoring organization in either the public or private sector under the joint guidance of a member of the sponsoring organization and a faculty member. Graded credit/no credit. Maximum of 3 credits may be used toward elective credit in the major.
Prerequisites: BIOS 210, 2.80 GPA, consent of instructor and department chair.
Offered: Fall, Spring, Summer.

BIOS 495 | Senior Seminar | 1 cr
Each participant presents several seminars involving literature search, synthesis of research data, and organization into an effective oral presentation.
Prerequisites: Senior standing; instructor consent.
Offered: Fall, Spring.

BIOS 499 | Independent Study | 1-3 cr
Student research performed under the supervision of a regular faculty member. A maximum of 3 credits can be used as electives towards the biological sciences major requirements.
Prerequisites: Consent of instructor and department chair; Junior standing and minimum 2.80 GPA in BIOS courses recommended.
Offered: Fall, Spring, Summer.

Biological Sciences Major (BS)

Department website (https://www.uwp.edu/learn/programs/biologicalsciences.cfm)

College: College of Natural & Health Sciences

Since the opening of the university in 1968, UW-Parkside's Biological Sciences Department has developed and maintained an outstanding program with a strong track record of preparing graduates for successful careers in the life sciences. The department attracts many quality students from diverse backgrounds and has a robust research culture covering a wide array of specializations. This makes for an ideal environment for students ready to explore the fascinating world around them while also preparing for one of the many rewarding career options available to graduates our program.

The Biological Sciences faculty is committed to the teacher-scholar model and our pedagogy emphasizes quality teaching, hands-on experience with modern methods and direct involvement of students in research. The department maintains active research facilities with both state-of-the-art instrumentation for indoor benchwork, but also a network of managed natural areas to provide research opportunities in ecology and evolution.

The department offers two majors. The biological sciences major is appropriate for students with a general interest in biology and has concentrations appropriate for most students interested in careers in medicine, field biology or laboratory work. The molecular biology and bioinformatics major is designed for students who wish to specialize in this cutting-edge and rapidly growing field. Both majors are appropriate for students preparing for the health professions or research careers; consult with the pre-health advisors for advice relating to your specific career goals.

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The biological sciences program greatly values collaboration across departments. In addition to general education courses, we offer core and elective courses for several other majors and programs including applied health sciences, nursing, biochemistry, environmental studies, and several pre-professional programs.

Program Learning Outcomes

1. Biological complexity and evolution: students demonstrate expertise regarding the nature of living organisms and biological processes.
2. Inquiry and research methods: students develop analytical and critical thinking skills, including hypothesis generation and testing, and engage in the practice of biology.
3. Scholarship and communication: students develop the capacity to engage in current thinking, discoveries and methodologies via reading the scientific literature and communicating (discussion, writing, presentation).

Requirements for the Biological Sciences Major

The major in biological sciences consists of a minimum of 42 credits in biological sciences with additional courses in mathematics and chemistry. Within the major, a minimum of 15 credits in courses numbered 300 or above must be completed at UW-Parkside.

Code	Title	Credits
College of Natural and Health Sciences requirement		
New entering students, and transfer students with less than 30 college credits, choosing a major in the College of Natural and Health Sciences are required to take this course.		
UWP 101	First Year Seminar: Natural and Health Sciences	1
Required Core Courses [1]		
BIOS 101	Bioscience	4
BIOS 102	Organismal Biology	4
BIOS 210	Biostatistics	4
BIOS 260	General Genetics	4
Required Core Courses Subtotal		*17*
Mathematics and Chemistry Courses		
Mathematics Courses		
MATH 221	Calculus and Analytic Geometry I	5
Chemistry Courses [2]		
CHEM 101	General Chemistry I	4

CHEM 102	General Chemistry II	4
CHEM 103	General Chemistry Lab I	1
CHEM 104	General Chemistry Lab II	1
Mathematics and Chemistry Courses Subtotal		*15*
Concentration Options		
Select one concentration		34-43
Total Credits		**66-75**

1 Students must complete core courses numbered in the 200s and below before they enroll in 400-level biological sciences courses. Exception from this prerequisite requires approval from the program faculty. Students should consult with their academic advisor before registration if such a situation arises.

2 CHEM 323 Organic Chemistry Lab is strongly recommended, but not required. Most graduate and professional schools require an organic chemistry course with a laboratory component. Students who plan to do graduate work are also advised to take MATH 222 Calculus and Analytic Geometry II.

Concentration Options

Students must complete the requirements of one of the available concentrations. Students who plan to do graduate work are also advised to consider additional courses in Physics and Mathematics.

Students pursuing careers in the health professions are strongly urged to contact the Pre-Health office at 262-595-2327 for advising.

Concentration in General Biology

Code	Title	Credits
Required Concentration Courses		
BIOS 435	Experimental Methods/Biochemistry Laboratory [1]	2
or BIOS 445	Research Methods in Ecology and Evolution	
CHEM 321	Organic Chemistry I	4
CHEM 322	Organic Chemistry II	4
Elective Concentration Courses		24
Total Credits		**34**

1 If one course is taken to fulfill this requirement, the other may be taken as an upper-level Biology elective.

Elective Concentration Courses

Each student must complete a minimum of 24 elective credits selected from 300-400 level biological sciences courses. Of these 24 credits, at least 3-credit hours must be obtained from each of the four designated areas listed below (Areas: 1 (Cell and Molecular Biology), 2 (Organismal Structure and Function), 3 (Biological Diversity) and 4 (Population Ecology)). To complete the requirement of 24 elective credits, at least one 300-level or higher elective class must include a laboratory. Classes that meet this laboratory requirement are marked with an (L) in the list above as well as BIOS 453 and BIOS 455. BIOS 435 Experimental Methods/ Biochemistry Lab and BIOS 445 Experimental Methods in Ecology and Evolution are core classes and do not satisfy this requirement.

Students can select among any of the remaining 300-400 level biological sciences courses to complete the remaining elective credits, which may include up to three credits each of BIOS 494 (Internship) and BIOS 499 (Independent Study). However, BIOS 494 and BIOS 499, cannot be used to satisfy the Area requirements. Students are required to check with a faculty member concerning any biological sciences special topics courses (BIOS 290, 390, 490) counting toward the topic areas listed below.

Area 1: Cell and Molecular Biology

Code	Title	Credits
BIOS 301	Cell Biology	3
BIOS 307	Biochemical Metabolism	3
BIOS 309	Molecular Biology	3
BIOS 355	Biology of Cancer	3

Area 2: Organismal Structure and Function

Code	Title	Credits
BIOS 300	Human Functional Anatomy (L)	4
BIOS 317	Developmental Biology	3
BIOS 341	Mammalian Physiology	3
BIOS 344	Plant Physiology	3

Area 3: Biological Diversity

Code	Title	Credits
BIOS 303	Microbiology (L)	4
BIOS 311	Parasitology (L)	4
BIOS 313	Invertebrate Zoology (L)	4
BIOS 318	Vertebrate Zoology (L)	4
BIOS 324	Botany (L)	4
BIOS 329	Paleontology (L)	3
BIOS 351	Virology	3

Area 4: Population Biology

Code	Title	Credits
BIOS 305	Principles of Ecology (L)	4
BIOS 314	Evolutionary Biology	3
BIOS 330	Topics in Field Biology: (L)	3
BIOS 333	Restoration Ecology (L)	4
BIOS 336	Conservation Ecology	3
BIOS 340	Animal Behavior (L)	4
BIOS 414	Molecular Evolution	3

Concentration in Ecology and Evolution

Code	Title	Credits
Required Concentration Courses		
BIOS 305	Principles of Ecology [1]	4
or BIOS 310	Freshwater Ecology	
BIOS 314	Evolutionary Biology	3
BIOS 445	Research Methods in Ecology and Evolution	2
GEOS 102	Origin and History of the Earth	3
GEOS 104	Introductory Geology Laboratory	2
Required Concentration Courses Subtotal		*14*
Elective Allied Science Courses		*8*
Select from the following list in accordance with academic and post-graduate goals		
CHEM 321	Organic Chemistry I	
CHEM 322	Organic Chemistry II	
CHEM 323	Organic Chemistry Lab	
GEOS 301	Geomorphology	

GEOS 320	Soils, Weathering and Surficial Processes	
GEOS 420	Glacial Geology	
GEOS 445	Environmental Sampling, Monitoring, and Assessment	
MATH 222	Calculus and Analytic Geometry II	
MATH 223	Calculus and Analytic Geometry III	
MATH 309	Probability and Statistics (Same As CSCI 309)	
MATH 310	Advanced Probability Theory and Statistics	
MATH 368	Mathematical Modeling (Same As CSCI 368)	
PHYS 105	College Physics I	
PHYS 106	College Physics II	
Elective Biology Courses		*16*
Select from the following in consultation with the advisor. Must choose at least two (2) from the following list: BIOS 303, BIOS 311, BIOS 313, BIOS 318, BIOS 324, and BIOS 329		
BIOS 207	Research Process in Biology	
BIOS 303	Microbiology	
BIOS 309	Molecular Biology	
BIOS 311	Parasitology	
BIOS 313	Invertebrate Zoology	
BIOS 318	Vertebrate Zoology	
BIOS 324	Botany	
BIOS 329	Paleontology	
BIOS 330	Topics in Field Biology:	
BIOS 333	Restoration Ecology	
BIOS 336	Conservation Ecology	
BIOS 340	Animal Behavior	
BIOS 341	Mammalian Physiology	
BIOS 344	Plant Physiology	
BIOS 414	Molecular Evolution	
BIOS 436	Conservation Ecology Lab	
BIOS 499	Independent Study	
Total Credits		**38**

[1] If one course is taken to fulfill this requirement, the other may be taken as an elective in the concentration.

Concentration in Pre-Health Professions

Students who are planning to pursue graduate/professional work in health sciences are advised to complete the Biological Sciences major with a concentration in Pre-Health Professions.

Code	Title	Credits
Required Concentration Courses		
BIOS 300	Human Functional Anatomy (L)	4
BIOS 303	Microbiology (L)	4
BIOS 307	Biochemical Metabolism	3
BIOS 341	Mammalian Physiology	3
BIOS 435	Experimental Methods/Biochemistry Laboratory	2
CHEM 321	Organic Chemistry I	4
CHEM 322	Organic Chemistry II	4
Select one of the following:		10
CHEM 323	Organic Chemistry Lab	2
PHYS 105 & PHYS 106	College Physics I and College Physics II	
OR		
PHYS 201 & PHYS 202	General Physics I and General Physics II	
Required Concentration Courses Subtotal		*36*
Elective Concentration Courses		**6**
Select from the following:		
BIOS 301	Cell Biology	
BIOS 309	Molecular Biology	
BIOS 311	Parasitology (L)	
BIOS 314	Evolutionary Biology	
BIOS 317	Developmental Biology	
BIOS 342	Mammalian Physiology Laboratory	
BIOS 351	Virology	
BIOS 355	Biology of Cancer	
Total Credits		**42**

General University Degree Requirements (Bachelor's Degree)

In addition to individual program requirements, students must also fulfill the following requirements:

Requirement	Credits
Skills	7-8
General Education	36
Foreign Language**	6-8
Ethnic Diversity	3
Total	52-55

** Transfer students in sustainable management, and health information management and technology collaborative, online degree-completion programs, the business management online degree-completion program, and the flexible option degree-completion program will be exempt from the university's foreign language requirement. See appropriate academic section for further information.

Skills Requirement (p. 13)

Code	Title	Credits
Reading and Writing		
ENGL 101	Composition and Reading	3
Computational Skills		
Select one of the following:		4-5
MATH 102	Quantitative Reasoning	
MATH 103	Elementary Statistics	
MATH 104	College Mathematics with Applications	
MATH 111	College Algebra I	
Total Credits		**7-8**

General Education (p. 13)

- General Education Course List (p. 157)

Foreign Language (p. 13)

Ethnic Diversity (p. 13)

Degree Requirements

Requirement	Credits
Minimum Total Credits	120
Upper Level Credits (300 level or above)	36
Residency	30

Cumulative Degree GPA: 2.0 minimum

Biological Science with General Biology Concentration

Course	Title	Credits
Year 1		
Fall Semester		
UWP 101	First Year Seminar: Natural and Health Sciences	1
ENGL 100	Fundamentals of English	3
MATH 111	College Algebra I	5
BIOS 101	Bioscience	4
CHEM 101	General Chemistry I	4
CHEM 103	General Chemistry Lab I	1
	Credits	**18**
Spring Semester		
ENGL 101	Composition and Reading	3
MATH 114	College Algebra II/Trigonometry	5
BIOS 102	Organismal Biology	4
CHEM 102	General Chemistry II	4
CHEM 104	General Chemistry Lab II	1
	Credits	**17**
	Total Credits	**35**

Course	Title	Credits
Year 2		
Fall Semester		
BIOS 210	Biostatistics	4
CHEM 321	Organic Chemistry I	4
MATH 221	Calculus and Analytic Geometry I	5
General Education (HU)		3
	Credits	**16**
Spring Semester		
BIOS 260	General Genetics	4
CHEM 322	Organic Chemistry II	4
General Education (SS)		3
General Education (SS)		3
	Credits	**14**
	Total Credits	**30**

Course	Title	Credits
Year 3		
Fall Semester		
BIOS 301 or BIOS 307 or BIOS 309 or BIOS 355	Cell Biology or Biochemical Metabolism or Molecular Biology or Biology of Cancer	3
BIOS 300 or BIOS 317 or BIOS 341 or BIOS 344	Human Functional Anatomy or Developmental Biology or Mammalian Physiology or Plant Physiology	4
General Education (HU)		3
General Elective or DV course (if needed)		3
Introductory Language		4
	Credits	**17**
Spring Semester		
BIOS 303 or BIOS 311 or BIOS 313 or BIOS 318 or BIOS 324 or BIOS 329 or BIOS 351	Microbiology or Parasitology or Invertebrate Zoology or Vertebrate Zoology or Botany or Paleontology or Virology	4
BIOS 305 or BIOS 314 or BIOS 330 or BIOS 333 or BIOS 336 or BIOS 340 or BIOS 414	Principles of Ecology or Evolutionary Biology or Topics in Field Biology: or Restoration Ecology or Conservation Ecology or Animal Behavior or Molecular Evolution	4
General Elective		3
Introductory Language		3
	Credits	**14**
	Total Credits	**31**

Course	Title	Credits
Year 4		
Fall Semester		
BIOS 435 or BIOS 445	Experimental Methods/Biochemistry Laboratory or Research Methods in Ecology and Evolution	2
300/400 Level BIOS Elective		3
General Education (HU)		3
General Education (HU)		3
General Education (SS)		3
	Credits	**14**
Spring Semester		
300/400 Level BIOS Elective		3
300/400 Level General Elective		3
300/400 Level BIOS Elective*		3
General Education (SS)		3
300/400 Level General Elective		3
	Credits	**15**
	Total Credits	**29**

* If lab requirements is not satisfied, register for a BIOS elective with a lab.

Biological Science with Pre-health concentration

Course	Title	Credits
Year 1		
Fall Semester		
UWP 101	First Year Seminar: Natural and Health Sciences	1
MATH 111	College Algebra I	5
ENGL 100	Fundamentals of English	3
BIOS 101	Bioscience	4
CHEM 101	General Chemistry I	4
CHEM 103	General Chemistry Lab I	1
	Credits	**18**
Spring Semester		
ENGL 101	Composition and Reading	3
MATH 114	College Algebra II/Trigonometry	5
BIOS 102	Organismal Biology	4
CHEM 102	General Chemistry II	4
CHEM 104	General Chemistry Lab II	1
	Credits	**17**
	Total Credits	**35**

Course	Title	Credits
Year 2		
Fall Semester		
CHEM 321	Organic Chemistry I	4
BIOS 210	Biostatistics	4
MATH 221	Calculus and Analytic Geometry I	5
Introductory Language		4
	Credits	**17**
Spring Semester		
CHEM 322	Organic Chemistry II	4
CHEM 323	Organic Chemistry Lab	2
BIOS 260	General Genetics	4
Introductory Language		4
General Education (SS)		3
	Credits	**17**
	Total Credits	**34**

Course	Title	Credits
Year 3		
Fall Semester		
PHYS 105	College Physics I	5
BIOS 307	Biochemical Metabolism	3
BIOS 341	Mammalian Physiology	3
BIOS 342	Mammalian Physiology Laboratory	1
General Education (SS)		3
	Credits	**15**
Spring Semester		
PHYS 106	College Physics II	5
BIOS 303	Microbiology	4
General Education (SS)		3
300/400 Level General Elective		3
	Credits	**15**
	Total Credits	**30**

Course	Title	Credits
Year 4		
Fall Semester		
BIOS 301 or BIOS 309 or BIOS 311 or BIOS 314 or BIOS 317 or BIOS 342 or BIOS 351 or BIOS 355	Cell Biology or Molecular Biology or Parasitology or Evolutionary Biology or Developmental Biology or Mammalian Physiology Laboratory or Virology or Biology of Cancer	3
General Education (HU)/ DV course if needed		3
General Education (HU)		3
General Education (HU)		3
	Credits	**12**
Spring Semester		
BIOS 300	Human Functional Anatomy	4
BIOS 435	Experimental Methods/Biochemistry Laboratory	2
BIOS 309 or BIOS 301 or BIOS 311 or BIOS 314 or BIOS 342 or BIOS 351 or BIOS 355	Molecular Biology or Cell Biology or Parasitology or Evolutionary Biology or Mammalian Physiology Laboratory or Virology or Biology of Cancer	3
General Education (HU)		3
General Education (SS)		3
	Credits	**15**
	Total Credits	**27**

Biological Science with Ecology and Evolution Concentration

Course	Title	Credits
Year 1		
Fall Semester		
UWP 101	First Year Seminar: Natural and Health Sciences	1
BIOS 101	Bioscience	4
MATH 111	College Algebra I	5
ENGL 100	Fundamentals of English	3
General Education (HU)		3
	Credits	**16**
Spring Semester		
BIOS 102	Organismal Biology	4
MATH 114	College Algebra II/Trigonometry	5
ENGL 101	Composition and Reading	3
General Education (HU)		3
	Credits	**15**
	Total Credits	**31**

Course	Title	Credits
Year 2		
Fall Semester		
BIOS 210	Biostatistics	4
MATH 221	Calculus and Analytic Geometry I	5
CHEM 101	General Chemistry I	4
CHEM 103	General Chemistry Lab I	1
	Credits	**14**
Spring Semester		
BIOS 260	General Genetics	4
CHEM 102	General Chemistry II	4
CHEM 104	General Chemistry Lab II	1
GEOS 102	Origin and History of the Earth	3
GEOS 104	Introductory Geology Laboratory	4
	Credits	**16**
	Total Credits	**30**

Course	Title	Credits
Year 3		
Fall Semester		
BIOS 305 or BIOS 310	Principles of Ecology or Freshwater Ecology	4
Allied Science Elective*		4
Introductory Language		4
BIOS Elective*		4
	Credits	**16**
Spring Semester		
BIOS 314	Evolutionary Biology	3
Allied Science Elective*		4
General Education (HU)		3
Introductory Language		4
	Credits	**14**
	Total Credits	**30**

Course	Title	Credits
Year 4		
Fall Semester		
BIOS 445	Research Methods in Ecology and Evolution	2
BIOS Elective*		4
General Education (SS)		3
General Education (SS)		3
General Education (HU)		3
	Credits	**15**

Spring Semester		
BIOS Elective*		5
BIOS Elective*		4
General Education (SS)		3
General Education (SS)/ DV course if needed		3
	Credits	**15**
	Total Credits	**30**

* Consult the catalog for the complete list of course options.

Molecular Biology and Bioinformatics Major (BS)

Department website (https://www.uwp.edu/learn/programs/moleculardbiomajor.cfm)

College: College of Natural & Health Sciences

The major in molecular biology and bioinformatics consists of a minimum of 43 credits in biological sciences, with additional courses in mathematics, chemistry, computer science and physics.

Program Learning Outcomes

1. Knowledge of the Natural World: Breadth of scientific knowledge, specifically, the ability to think beyond one's area of concentration.
2. Critical and Creative Thinking Skills: Experiential and problem solving skills as well as higher order qualitative and quantitative reasoning.
3. Effective Communication Skills: Competence in speaking, reading, and writing abilities.
4. Individual, Social and Environmental Responsibility: Civic knowledge and engagement (both local and global), ethical reasoning, and action; ability to interact and work with people under standard civility and professional norm.

Requirements for the Molecular Biology and Bioinformatics Major

Within the major, a minimum of 15 credits in courses numbered 300 or above must be completed at UW-Parkside. Students must maintain a minimum UW-Parkside cumulative GPA of 2.50 in all courses required for the major to graduate.

Code	Title	Credits
College of Natural and Health Sciences requirement		
New entering students, and transfer students with less than 30 college credits, choosing a major in the College of Natural and Health Sciences are required to take this course.		
UWP 101	First Year Seminar: Natural and Health Sciences	1
Required Core Courses [1]		
BIOS 101	Bioscience	4
BIOS 102	Organismal Biology	4
BIOS 210	Biostatistics	4
BIOS 260	General Genetics	4
BIOS 309	Molecular Biology	3
BIOS 453	Molecular Biology and Bioinformatics of Nucleic Acids	4
BIOS 455	Protein Biochemistry and Bioinformatics	4
BIOS 489 must be taken twice		2
BIOS 489	Molecular Biology and Bioinformatics Senior Project	
BIOS 499	Independent Study (over two semesters)	4
Students are also required to complete a minimum of 6 credits from the following list of courses:		6
BIOS 301	Cell Biology	
BIOS 303	Microbiology	
BIOS 307	Biochemical Metabolism	
Required Core Courses Subtotal		40
Mathematics, Chemistry, Computer Science and Physics Courses [2]		
Mathematics Course		
MATH 221	Calculus and Analytic Geometry I	5
Chemistry Courses		
CHEM 101	General Chemistry I	4
CHEM 102	General Chemistry II	4
CHEM 103	General Chemistry Lab I	1
CHEM 104	General Chemistry Lab II	1
CHEM 321	Organic Chemistry I	4
CHEM 322	Organic Chemistry II	4
Physics Courses		
Select one of the following:		10
PHYS 105 & PHYS 106	College Physics I and College Physics II	
PHYS 201 & PHYS 202	General Physics I and General Physics II	
Mathematics, Chemistry, Computer Science and Physics Courses Subtotal		33
Elective Courses		
Select two of the following:		6
BIOS 300-level through 600-level courses [3]		
CHEM 323	Organic Chemistry Lab [4]	
CHEM 620	Advanced Biochemistry	
CSCI 241	Computer Science I	
CSCI 242	Computer Science II	
MATH 222	Calculus and Analytic Geometry II [4]	
MATH 231	Discrete Mathematics (Same As CSCI 231)	
MATH 309	Probability and Statistics (Same As CSCI 309)	
MIS 322	Business Programming II	
MIS 328	Database Management Systems	
Total Credits		**79**

1. Students must complete core courses numbered in the 300s and below before they enroll in 400-level biological sciences courses. Exception from this prerequisite requires approval from the program faculty. Students should consult with their academic advisor before registration if such a situation arises.
2. Students who plan to do graduate work are advised to also take MATH 222 Calculus and Analytic Geometry II Calculus and Analytic Geometry II; and CHEM 302 Physical Chemistry I & CHEM 303 Physical Chemistry II Physical Chemistry I and II.
3. excluding: BIOS 435 Experimental Methods/Biochemistry Laboratory; BIOS 495 Senior Seminar; BIOS 499 Independent Study
4. Recommended but not required. Some graduate and professional schools require a second semester calculus and professional schools require a second semester calculus and/or an organic chemistry

course with a laboratory component. It is recommended that students who are thinking about graduate or professional schools consult with their advisor to discuss options.

General University Degree Requirements (Bachelor's Degree)

In addition to individual program requirements, students must also fulfill the following requirements:

Requirement	Credits
Skills	7-8
General Education	36
Foreign Language**	6-8
Ethnic Diversity	3
Total	52-55

** Transfer students in sustainable management, and health information management and technology collaborative, online degree-completion programs, the business management online degree-completion program, and the flexible option degree-completion program will be exempt from the university's foreign language requirement. See appropriate academic section for further information.

Skills Requirement (p. 13)

Code	Title	Credits
Reading and Writing		
ENGL 101	Composition and Reading	3
Computational Skills		
Select one of the following:		4-5
MATH 102	Quantitative Reasoning	
MATH 103	Elementary Statistics	
MATH 104	College Mathematics with Applications	
MATH 111	College Algebra I	
Total Credits		**7-8**

General Education (p. 13)

- General Education Course List (p. 157)

Foreign Language (p. 13)

Ethnic Diversity (p. 13)

Degree Requirements

Requirement	Credits
Minimum Total Credits	120
Upper Level Credits (300 level or above)	36
Residency	30

Cumulative Degree GPA: 2.0 minimum

Course	Title	Credits
Year 1		
Fall Semester		
UWP 101	First Year Seminar: Natural and Health Sciences	1
MATH 111	College Algebra I	5
ENGL 100	Fundamentals of English	3
BIOS 101	Bioscience	4
CHEM 101	General Chemistry I	4
CHEM 103	General Chemistry Lab I	1
	Credits	**18**
Spring Semester		
ENGL 101	Composition and Reading	3
BIOS 102	Organismal Biology	4
MATH 114	College Algebra II/Trigonometry	5
CHEM 102	General Chemistry II	4
CHEM 104	General Chemistry Lab II	1
	Credits	**17**
	Total Credits	**35**

Course	Title	Credits
Year 2		
Fall Semester		
BIOS 210	Biostatistics	4
CHEM 321	Organic Chemistry I	4
BIOS 260	General Genetics	4
General Education (HU)		3
	Credits	**15**
Spring Semester		
BIOS 309	Molecular Biology	3
CHEM 322	Organic Chemistry II	4
MATH 221	Calculus and Analytic Geometry I	5
General Education (SS)		3
	Credits	**15**
	Total Credits	**30**

Course	Title	Credits
Year 3		
Fall Semester		
BIOS 453	Molecular Biology and Bioinformatics of Nucleic Acids	4
PHYS 105	College Physics I	5
General Education (HU)		3
Introductory Language		4
	Credits	**16**
Spring Semester		
BIOS 455	Protein Biochemistry and Bioinformatics	4
PHYS 106	College Physics II	5
BIOS 301 or BIOS 303 or BIOS 307	Cell Biology or Microbiology or Biochemical Metabolism	3
Introductory Language		4
	Credits	**16**
	Total Credits	**32**

Course	Title	Credits
Year 4		
Fall Semester		
BIOS 489	Molecular Biology and Bioinformatics Senior Project	1
BIOS 499	Independent Study	2
General Education (HU)		3
General Education (SS)/ DV Course		3
General Education (HU)		3
300/400 Level General Elective*		3
	Credits	**15**
Spring Semester		
BIOS 489	Molecular Biology and Bioinformatics Senior Project	1
BIOS 499	Independent Study	2
General Education (SS)		3

BIOS 303 or BIOS 301 or BIOS 307	Microbiology or Cell Biology or Biochemical Metabolism	4
General Education (SS)		3
300/400 Level General Elective*		3
	Credits	**16**
	Total Credits	**31**

* See Catalog for list of approved courses

Biological Sciences Minor

Department website (https://www.uwp.edu/learn/programs/biologicalsciminor.cfm)

College: College of Natural & Health Sciences

Requirements for the Biological Sciences Minor

Code	Title	Credits
Required Courses		
BIOS 101	Bioscience	4
BIOS 102	Organismal Biology	4
Elective Courses		
Select twelve credits of BIOS 200 level or above [1]		12
Total Credits		**20**

[1] excluding BIOS 202 General Microbiology

University Requirements for Minors

Course work in the minor must be completed with the minimum GPA as specified by the department or program under which the minor falls, usually a 2.00 on a 4.00 scale, but higher in some programs. Transfer students must attain the minimum specified GPA on a combination of transfer credits accepted toward the minor and credits attempted at UW-Parkside.

At least half of the course work required for a minor must be completed at UW-Parkside.

Business

Department website (https://www.uwp.edu/learn/departments/business/)

College: College of Business, Economics, and Computing

Professional Accreditations or Memberships:

The bachelor of science, with majors in accounting, business management, management information systems and marketing, is accredited by AACSB International – the Association to Advance Collegiate Schools of Business. Fewer than 5 percent of business programs globally and less than 30 percent in the United States meet the rigorous standards of quality set by AACSB International.

Career Possibilities:

Career opportunities depend on the chosen program of study, and include accountant, supply chain specialist, data analyst, sales and marketing representatives, information systems analyst, human resource specialist, computer programmer, project manager, product manager, market research analyst, cost analyst, financial analyst, logistics coordinator, recruiter, training specialist, entrepreneur, and personnel generalist. Examples for career opportunities in accounting include certified public accountant, staff accountant, tax specialist, auditor, and accounting manager. Some specific career opportunities for a major in management information systems include information systems analyst, business analyst, computer programmer, network administrator, database administrator, website developer, and project manager. The marketing major is designed for students who wish to pursue a career in the areas of advertising, promotions, marketing, sales, research or public relations with career opportunities including account executive, advertising manager, brand manager, communication director, corporate trainer, creative director, event planner, fund-raising coordinator, international sales representative, market researcher, political campaign managers, promotions manager, public relations specialist, and several more.

Business Department Overview

The Business Department is in the College of Business, Economics, and Computing. Faculty members in the Business Department are dedicated to providing students with quality instruction relevant to situations encountered in the changing world of business. All students in the Business Department develop business skills in the primary functional areas of business through exposure to accounting, finance, supply chain and logistics management, marketing, organizational behavior, MIS, operations management, and strategic planning. Communication skills, quantitative techniques, leadership, teamwork, and computer technology are stressed throughout the curricula. In addition, students explore ethical considerations of business decisions and gain an understanding of multinational and multicultural aspects relevant to today's business world. Many students apply their class knowledge through internships or through community projects sponsored by the Ralph Jaeschke Solutions for Economic Growth (SEG) Center. The department also offers minors in business management, global management, and management information systems, as well as certificates in business fundamentals, project management, and sales. Students preferring the flexibility and convenience of a business degree earned entirely online may choose to complete the 67 credit completion program in business management with a general business concentration. Students wanting to pursue this option should declare the online degree completion in business management.

Program Level Outcomes

Business students build knowledge and skills in a variety of areas. However, the following learning goals are emphasized and assessed throughout the business curriculum:

1. Students can recognize the ethical implications in a business situation and choose and defend an appropriate resolution.
2. The students can write effectively about a business problem or issue.
3. The students can make an effective oral presentation on a business problem or issue.
4. Each student is knowledgeable in project management principles and is able to apply these principles to a practical situation.
5. Students will be able to articulate important diversity issues – including, but not limited to, race, ethnicity, culture, gender, age, socio-economic status and political/religious/sexual orientation – in business management.

6. Students will be able to effectively use computer technology to support a business decision.

Solutions for Economic Growth (SEG) Center

The Ralph Jaeschke Solutions for Economic Growth (SEG) Center is a partnership between business, economics, and computer science faculty, students, and local businesses. Students in the SEG Center apply and develop their skills by working on real-world business projects in the community. Projects include business plan development, supply chain and logistics problems, marketing research, promotions plan development, the analysis of production processes, strategic planning, cost evaluation, inventory planning, recruitment and retention of employees, web page design, network planning, security planning, and software development. Students working in the SEG Center have access to a modern computer lab and project meeting rooms.

Preparation for Graduate School

Undergraduate study in any of the business department majors provides excellent preparation for graduate work in programs including an MBA, MS in accounting (accounting major) or law school.

Business Honors

Students who major in any of the business department majors and who maintain a GPA of 3.5 or higher in all upper-level business course work and an overall GPA of 3.0 or better will graduate with business honors.

Beta Gamma Sigma is the honor society serving business programs accredited by AACSB International. Beta Gamma Sigma faculty members invite qualified business students for membership based on academic excellence.

Students majoring in marketing with an overall GPA of 3.25 may also apply for Alpha Mu Alpha, the honor society of the American Marketing Association provided that they are members of the American Marketing Association and the Universities collegiate chapter.

Declaring a Major

Students must submit a plan declaration form to the Business Department office or the Advising and Career Center. Students accepted into a business department major will be classified as a declared major and will be notified of this declaration by the department via UW-Parkside e-mail. Majors will be assigned an advisor from the Business Department. Transfer students who have an interest in pursuing a degree with a business related major should meet with the College of Business, Economics, and Computing (CBEC) academic advisor as early as possible to go over the transfer course evaluation and prerequisites.

Common Requirements and Policies for Business Department Majors

The business curricula is rigorous and extensive. It is imperative that students acquire a solid foundation of preparatory courses. All Business Department majors share many common requirements and policies. Students should be familiar with the common policies as well as the specific requirements of their chosen major.

Business Department Graduation Requirements

All business students are subject to the following graduation requirements.

1. Completion of 120 credits including general university requirements. A minimum of 57 credits of the total 120 credits required to graduate must be in areas other than business and upper-level economics. COMM 105 Public Speaking for the 21st Century, ENGL 201 Advanced Composition, ENGL 202 Technical Writing or ENGL 204 Writing for Business and Industry, ECON 120 Principles of Microeconomics and ECON 121 Principles of Macroeconomics may count in this amount. Reconsideration of this policy will be given to students who enter UW-Parkside with advanced standing (e.g. foreign language, placement into college or advanced English or math classes, etc.).
2. Completion of requirements of the business department and individual major(s). Students must meet all requirements for the major in effect at the time of admission into the specific program.
3. Students must obtain a grade of C or better in each of the "Fundamental Preparation Courses" and "Business Preparation Courses" as listed in the section on course requirements.
4. An overall degree GPA of 2.00 or higher (including any transfer courses).
5. An overall GPA of 2.5 in 300/400 level business foundation, major and concentration courses (including any transfer courses).

Transfer Policies

Transfer students may fulfill some of the requirements for the business department majors at UW-Parkside by transferring appropriate courses taken elsewhere (check with the CBEC academic advisor). However, all students must complete at UW-Parkside at least 50 percent of the total business department credits required for the bachelor of science degree with majors in accounting, business management, management information systems or marketing. The total business department credits include the business preparation courses, the business foundation core courses, and the major courses. No more than 50 percent of the required credits for a major may be transferred. Only courses with a grade of C or better will be accepted (C-minus is not acceptable) to fulfill a major requirement. Only junior/senior level courses in business from regionally accredited four-year colleges or universities are eligible to be transferred for any 300 - 400 level course in business. Students should work with the CBEC academic advisor and any such transfer credit should be approved by the associate dean.

Non-Business Students

Non-business students may enroll in any 100- or 200-level business course if they meet the individual course prerequisites. To enroll in 300- or 400-level business courses, students must have at least 54 credits earned, meet the course prerequisites, and have a minimum overall GPA of 2.00 (calculated with and without transfer grades). Students will need to get a permission number from the course instructor in order to register for an upper-level business course.

Independent Study Guidelines

The purpose of independent study is to provide qualified students an opportunity to conduct directed research on a Business Management topic or issue of interest to the student. Such research is done under the supervision of a faculty member, but will be primarily student planned and conducted. Independent studies are intended to provide an opportunity

for the student to enhance their academic experience; they are not intended to substitute for existing courses.

Requirements

Students must have at least 54 credits earned and must have completed at least 50 percent of the upper-level business foundation core curriculum.

Independent study projects may range from 1 to 3 credits. Grades received for independent study will count toward the computation of the major and the overall GPA.

A student can apply a maximum of 6 independent study credits toward graduation requirements. The combined credits for internships and independent studies across all business disciplines cannot exceed 6 credits. Other rules may apply to specific concentrations. Please refer to the course catalog for further information.

The student and the supervising faculty member must agree, in writing, on the nature of the project, the parameters, and the timeframe.

The student must submit the Permit to Register for Independent Study, with all required signatures, in accordance with UW-Parkside policies.

In general, a student cannot receive independent study credit for work that is essentially the same as an existing course.

Internship Guidelines

Internships provide opportunities for Business majors to apply classroom knowledge in a work setting. Internships are offered for credit and may be paid or unpaid. A student who wishes to complete an internship must provide a description of the work or project to be completed on the employer's letterhead. An agreement must be signed by the student, the faculty supervisor, the department chair, and the site supervisor. Internships are graded as either CR (credit) or NC (no credit). In order to receive credit, the student must:

1. complete the appropriate number of work hours,
2. provide a written performance evaluation from the internship supervisor, and
3. complete one or more items of the following documentation (as determined by the faculty supervisor):
   a. regular status reports on the work performed,
   b. summary paper on internship experience, and/or
   c. other written documents prepared by the student related to the internship.

Requirements

Internships can range from 1-3 credits, with 50 hours of internship work required for every 1 credit. Students must have at least 54 credit hours earned and must have satisfactorily completed at least one upper-division business foundation core course in the area. There may be specific requirements in certain areas; please check the catalog for specific 494 courses.

Students must complete the Permission to Register for Internship form, along with supporting documentation and all relevant signatures, as per UW-Parkside policies.

Students must normally complete the work during the semester in which the credit is taken. If the work runs beyond the semester for which the student is registered, a grade of Incomplete may be assigned pending completion of the work during the following semester.

The internship supervisor must complete and submit the 'internship evaluation' form from the department.

A maximum of 6 internship credits may be counted toward graduation requirements. The combined credits for internships and independent studies across all business disciplines cannot exceed 6 credits. Other specific rules may apply to other concentrations. Please refer to the course catalog for further information.

Business Department Policies and Procedures

1. All business students must have a minimum overall GPA of 2.00 (calculated with and without transfer grades), have at least 54 credits earned, and must have satisfactorily completed the pre-business curriculum to enroll in any 300- or 400-level business course.
2. All students must have completed the stated prerequisites to enroll in any business course. Both the instructor and department chair must approve any deviation from this policy.
3. Students with a business major who have not completed a course at UW-Parkside for 12 consecutive months will be dropped as a major. Once dropped, a student must reapply for major status and will be required to follow all requirements in effect at the time of re-admittance.
4. All students must complete their degree program within 10 years of completing their first 300-level business course
5. Students are required to have a minimum overall GPA of 2.00 to be accepted as a business student.
6. All students are required to meet with their advisor prior to registration each semester.
7. The final responsibility in selection of courses and the fulfillment of all graduation requirements rests with the student.
8. Students who feel that exceptional circumstances beyond their control justify an exception to any policy or procedure of the Business Department may submit a formal appeal to the Undergraduate Committee of the department. Appeal procedures are available in the Business Department office (Molinaro Hall 344).

Programs Offered

- Accounting Major (BS) (p. 74)
- Business Management Major (BS) (p. 76)
- Business Management Major Online Degree Completion Program (BS) (p. 78)
- Management Information Systems (MIS) Major (BS) (p. 80)
- Marketing Major (BS) (p. 82)
- Business Management Minor (p. 84)
- Management Information Systems Minor (p. 84)
- Project Management Certificate (p. 85)
- Sales Certificate (p. 85)
- Supply Chain Management, Logistics, and Analytics Certificate (p. 86)

Business Management Major Concentrations

- Finance
- General Business
- Human Resource Management

Business Management Major Online Degree Completion Concentration

- General Business

Courses in Accounting

ACCT 201 | Financial Accounting | 3 cr
Introduces financial accounting emphasizing basic concepts and procedures in accumulating, measuring, and communicating financial information. Includes preparation, analysis and interpretation of financial statements.
Prerequisites: MATH 104 or MATH 111.
Offered: Fall, Spring, Summer.

ACCT 202 | Managerial Accounting | 3 cr
Identifies relevant accounting and financial information for managerial decisions. Analyzes product costing, pricing, capital budgeting, profit planning, performance reporting and variance analysis.
Prerequisites: ACCT 201, ECON 120, QM 210, Microsoft Excel knowledge.
Offered: Fall, Spring.

ACCT 301 | Intermediate Accounting I | 3 cr
Examines income statements and balance sheets with in-depth study of accounting for assets, liabilities, and owners' equity.
Prerequisites: ACCT 201, FIN 330 or concurrent registration; completion of 54 credits; business major/minor.
Offered: Fall, Spring.

ACCT 302 | Intermediate Accounting II | 3 cr
Covers accounting for pensions, leases, income taxes, changing prices, as well as the statement of cash flows, revenue recognition, and accounting changes and error analysis.
Prerequisites: ACCT 301.
Offered: Spring.

ACCT 305 | Individual Taxation | 3 cr
Examination of the U.S. federal income tax law pertaining to individuals, including business and investment activities.
Prerequisites: ACCT 201; completion of a minimum of 54 credits, business major/minor.
Offered: Fall.

ACCT 306 | Business Taxation | 3 cr
Examines the U.S. federal income tax law pertaining to corporations, partnerships, estates and trusts.
Prerequisites: ACCT 305; business major/minor.
Offered: Spring.

ACCT 400 | Advanced Accounting | 3 cr
Applies accounting principles and procedures to business combinations, foreign operations and transactions, governmental and nonprofit organizations and partnerships.
Prerequisites: ACCT 302; business major/minor.
Offered: Fall.

ACCT 402 | Accounting Information Systems | 3 cr
Covers fundamental concepts and practical applications of designing AIS in modern business environments, including data collection, processing, internal controls, and emerging technologies.
Prerequisites: ACCT 301 and MIS 320.
Offered: Spring.

ACCT 403 | Advanced Cost Accounting | 3 cr
Examines cost information for management planning and control. Includes capital budgeting, project appraisal, marketing cost effectiveness, segment reporting, transfer pricing, measuring divisional performance and profit analysis.
Prerequisites: ACCT 202; completion of a minimum of 54 credits, business major/minor.
Offered: Fall.

ACCT 404 | Auditing | 3 cr
Delves into auditing of financial statements and internal control. Emphasizes AICPA standards, audit reports, audit evidence including sampling, EDP auditing, professional ethics, and accountant's legal liability.
Prerequisites: ACCT 301, business major/minor.
Offered: Fall, Spring.

ACCT 405 | Volunteer Income Tax Assistance (VITA) | 1 cr
Provides opportunity to participate in VITA, a volunteer program administered by the Internal Revenue Service. Includes preparing income tax returns and provides other tax assistance for low income, elderly, and other individuals requiring income tax assistance at public sites in the Racine and Kenosha area. Credit/No Credit grading basis.
Prerequisites: ACCT 305, business major/minor.
Offered: Occasionally.

ACCT 490 | Special Topics in Accounting | 1-3 cr
Selected topics in accounting. Subject varies; see current course schedule.
Prerequisites: Dependent on subject matter; junior standing, business major or minor.
Offered: Occasionally.

ACCT 494 | Internship | 1-3 cr
Designed to provide actual or quasi on-the-job learning experiences in which a student works with a single sponsoring organization in either the public or private sector under the supervision of a faculty member. Credit/no-credit grading basis.
Prerequisites: As provided in guidelines and policies available in Business Department; consent of instructor; department chair.
Offered: Fall, Spring, Summer.

ACCT 499 | Independent Study | 1-3 cr
Designed to provide qualified students with an opportunity to conduct research projects in an appropriate area of accounting under the supervision of a faculty member. Six hours credit maximum.
Prerequisites: As provided in guidelines and policies available in Business Department; consent of instructor; department chair.
Offered: Fall, Spring, Summer.

Courses in Business

BUS 100 | Introduction to Business | 3 cr
Introduces the role of business in modern society including the functional areas of the business enterprises. Not open to juniors and seniors majoring in business.
Prerequisites: None.
Offered: Fall, Spring, Summer.
Meets: Social & Behavioral Science: BUS, Social & Behavioral Science: BUS, Social & Behavioral Science: BUS, Social & Behavioral Science: BUS, Social & Behavioral Science: BUS

BUS 201 | Experiencing Business | 3 cr
Provides experiences in local business environments including marketing, finance and manufacturing operations to explore career opportunities. Requires field trips. Community-based learning designation.
Prerequisites: Not recommended for first semester freshman.
Offered: Fall, Spring.
Meets: Social & Behavioral Science: BUS, Community Based Learning, Social & Behavioral Science: BUS, Community Based Learning, Social & Behavioral Science: BUS, Community Based Learning, Social & Behavioral Science: BUS, Community Based Learning, Social & Behavioral Science: BUS, Community Based Learning

BUS 271 | Business Communication for International Students | 3 cr
Prepares international students for classes and the English speaking business environment.
Prerequisites: None.
Offered: Occasionally.

BUS 272 | Legal Environment of Business | 3 cr
Explores the legal and ethical environment in which business operates, with emphasis on government regulation.
Prerequisites: None.
Offered: Fall, Spring.

BUS 290 | Special Topics in Business | 1-3 cr
Selected topics in business management. Subject varies; see current course schedule.
Prerequisites: None.
Offered: Occasionally.

BUS 357 | Entrepreneurship Principles and Leadership | 3 cr
Covers the theory and application of entrepreneurship and leadership principles through integrating a community-based service-learning project, guest speaker presentations, and on-site visits to new ventures and regional resource centers.
Prerequisites: Completion of a minimum of 54 credits.
Offered: Spring.

BUS 372 | Business Law | 3 cr
Covers substantive areas of law relating to business including contracts, the Uniform Commercial Code and business organizations.
Prerequisites: BUS 272; completion of a minimum of 54 credits; business major/minor.
Offered: Spring.

BUS 427 | Introduction to Supply Chain Management | 3 cr
Covers basic terminologies, concepts and tools that are involved in managing supply chain operations. Emphasizes qualitative and quantitative tools and techniques used in managerial decision making.
Prerequisites: QM 210.
Offered: Fall, Spring.

BUS 432 | Services Management | 3 cr
Examines design and management of service businesses. Includes processes, technology, location, customer service, capacity and demand queues, as well as quantitative tools.
Prerequisites: MGT 349 and MKT 350.
Offered: Spring.

BUS 465 | Demand Supply Analytics: Distribution, Procurement, and Inventory Models | 3 cr
Introduces supply chain analytics and the analytical model with a strategic perspective using simulated data and real-world scenarios. Covers demand forecasting, inventory and logistics planning, and supply-demand integration for various products.
Prerequisites: None.
Offered: Fall.

BUS 466 | Global Negotiations and Supplier Relations | 3 cr
Covers skills in developing and maintaining relationships with suppliers and negotiating contracts and growth. Explores global intercultural communication and international negotiation. Examines techniques, methodologies, and theory related to each of these areas.
Prerequisites: None.
Offered: Spring.

BUS 467 | Managing Pricing, Risks and Finances in Supply Chains | 3 cr
Illustrates the cross-functional attributes of supply chains providing pragmatic and strategic perspectives of real-world supply chains. Covers payment cycles and options, pricing strategies, and the impact of supply chain decisions on financial statements. Explores building resilient supply chains through risk analysis.
Prerequisites: None.
Offered: Spring.

BUS 490 | Special Topics in Business: | 1-3 cr
Selected topics in business management. Subject varies; see current course schedule. May repeat with different topic.
Prerequisites: Dependent on subject matter.
Offered: Occasionally.

BUS 493 | Competitive Decision Making | 3 cr
Provides experiential learning competitive decision making via online business simulation, performance analysis, results presentations, and class participation. Students will make a series of inter-related decisions about R&D, pricing, sales forecasting, advertising and promotion, production planning, total quality management, human resources, and financial management in an integrated business environment. Focuses on student decision making skills in a high-growth, virtual company, with extensive immediate feedback, and class discussion of business cause and effect.
Prerequisites: MKT 350.
Offered: Occasionally.

BUS 494 | Internship in Business | 1-3 cr
Provides actual or quasi on-the-job learning experiences in which a student works with a single sponsoring organization in either the public or private sector. Credit/no-credit grading basis.
Prerequisites: As provided in guidelines and policies available in Business Department; consent of instructor; department chair.
Offered: Fall, Spring, Summer.

BUS 495 | Capstone in Strategic Management | 3 cr
Focuses on strategic management as a critical function and responsibility of general managers. Encompasses all functional areas of an organization including marketing, finance, accounting, human resources, and management information systems. Develops critical skills in analyzing organizations, their competitive environments, and strategic alternatives.
Prerequisites: Senior standing; FIN 330, MGT 349, MKT 350; business major/minor.
Offered: Fall, Spring, Summer.

BUS 499 | Independent Study in Business | 1-3 cr
Provides an opportunity to conduct research projects in an appropriate area of business. May be repeated for a maximum of six credits.
Prerequisites: As identified in guidelines and policies in the Business Department; consent instructor, department chair.
Offered: Fall, Spring, Summer.

Courses in Finance

FIN 134 | Personal Financial Planning | 3 cr
Prepares students to make their own financial decisions. Includes determining individual financial goals, cash management, investments, home mortgages, credit, taxation, and employee benefits such as health insurance and tax advantaged 401(k) and Roth 401(k) retirement plans. Does not count toward elective requirements for finance or general business concentrations.
Prerequisites: None.
Offered: Occasionally.
Meets: Social & Behavioral Science: BUS, Social & Behavioral Science: BUS, Social & Behavioral Science: BUS, Social & Behavioral Science: BUS, Social & Behavioral Science: BUS

FIN 222 | Discrimination in Banking | 3 cr
Explores mortgage lending discrimination by banks and lenders and how this contributes to ethnic disparities in home ownership.
Prerequisites: None.
Offered: Yearly.
Meets: Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity

FIN 290 | Special Topics in Finance | 1-3 cr
Selected topics in finance. Subject varies; see current course schedule.
Prerequisites: None.
Offered: Occasionally.

FIN 330 | Managerial Finance | 3 cr
Introduces concepts and practices of managerial finance, time value of money, bond and stock valuation, financial statements, capital budgeting and cost of capital.
Prerequisites: ACCT 201, ECON 121; QM 210 or MATH 309; completion of a minimum of 54 credits; business major/minor.
Offered: Fall, Spring.

FIN 335 | Investments | 3 cr
Introduces securities markets and various investment instruments. Includes the organization and operation of global security markets, risk and return analysis, asset allocation, and efficient markets.
Prerequisites: FIN 330, QM 310.
Offered: Fall.

FIN 336 | Management of Financial Institutions | 3 cr
Examines the structure and operation of financial institutions including commercial banks, thrifts, credit unions, insurance companies, security firms and investment banks, finance companies, mutual funds, and pension funds. Covers the techniques used to analyze and manage risks of financial institutions.
Prerequisites: QM 310, FIN 330 or concurrent registration.
Offered: Spring.

FIN 431 | Advanced Managerial Finance | 3 cr
In-depth analysis of topics in managerial finance, lease financing, capital structure and valuation, dividend policy, business expansion and contraction, and international finance.
Prerequisites: FIN 330, QM 310.
Offered: Fall.

FIN 435 | Security Analysis and Portfolio Management | 3 cr
Emphasizes developing skills for appraising the value of equities and fixed-income securities; includes a comprehensive financial markets trading simulation providing experience in the theory and practice of securities trading and portfolio management.
Prerequisites: FIN 335; business major/minor.
Offered: Spring.

FIN 437 | International Financial Management | 3 cr
Investigates the role of financial management in a multinational corporation context. Introduces concepts of foreign exchange rates, foreign exchange risk, hedging, and long term aspects of multinational financial management.
Prerequisites: FIN 330; business major/minor.
Offered: Spring.

FIN 490 | Special Topics in Finance | 1-3 cr
Selected topics in finance. Subject varies; see current course schedule. Junior standing, business major or minor.
Prerequisites: Varies with topic.
Offered: Occasionally.

FIN 494 | Internship | 1-3 cr
Designed to provide actual or quasi on-the-job learning experiences in which a student works with a single sponsoring organization in either the public or private sector under the supervision of a faculty member. Credit/no-credit grading basis.
Prerequisites: As provided in guidelines and policies available in Business Department; consent of instructor; department chair approval.
Offered: Fall, Spring, Summer.

FIN 499 | Independent Study | 1-3 cr
Designed to provide qualified students with an opportunity to conduct research projects in an appropriate area of finance under the supervision of a faculty member. Maximum of six credits.
Prerequisites: As provided in guidelines and policies available in Business Department; consent of instructor; department chair approval.
Offered: Fall, Spring, Summer.

Courses in Human Resource Management

HRM 343 | Human Resource Management | 3 cr

Covers the major functions of a human resource management system: acquiring, developing, rewarding, and maintaining employees; emphasizes effective, ethical, and legal HR practices. Community-based learning designation.
Prerequisites: Completion of a minimum of 54 credits.
Offered: Fall, Spring.
Meets: Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning

HRM 441 | Strategic Staffing | 3 cr

Delves into recruiting, selecting and retaining an organization's labor force in the context of the staffing environment (e.g., laws and regulations) and using necessary statistical measurements. Community-based learning designation.
Prerequisites: HRM 343.
Offered: Spring.
Meets: Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning

HRM 442 | Training and Performance Management | 3 cr

Examines managing employees to maximize job performance, including employee training and development as well as performance management. Applies a systems approach to design, implementation, and evaluation of the processes. SEG or CBL project component expected. Community-based learning designation.
Prerequisites: HRM 343, MGT 349.
Offered: Fall.
Meets: Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning

HRM 444 | Compensation and Benefits | 3 cr

Examines administration of direct and indirect compensation systems including policies, procedures, and legislation relating to individual, group, and organizational base pay and incentives. Addresses design, financing, and administration of benefit plans. Community-based learning designation.
Prerequisites: HRM 343.
Offered: Fall.
Meets: Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning

HRM 445 | Diversity and Inclusion in Organizations | 3 cr

Explores the application and implication of diversity to management activities. Includes issues related to discrimination, affirmative action, career development, socialization, and social change policies. Highlights historical, psychological, sociological, legal, and managerial viewpoints.
Prerequisites: HRM 343.
Offered: Spring.

HRM 490 | Special Topics in Human Resource Management | 1-3 cr

Selected topics in human resource management. Subject varies; see current course schedule.
Prerequisites: Dependent on subject matter; junior standing, business major or minor.
Offered: Occasionally.

HRM 494 | Internship | 1-3 cr

Designed to provide actual or quasi on-the-job learning experiences in which a student works with a single sponsoring organization in either the public or private sector under the supervision of a faculty member. Credit/no-credit grading basis.
Prerequisites: As provided in guidelines and policies available in Business Department; consent of instructor; department chair approval.
Offered: Fall, Spring, Summer.

HRM 499 | Independent Study | 1-3 cr

Designed to provide qualified students with an opportunity to conduct research projects in an appropriate area of human resource management under the supervision of a faculty member. Six hours credit maximum.
Prerequisites: Consent of instructor and department chair.
Offered: Fall, Spring, Summer.

Courses in Management

MGT 349 | Organizational Behavior | 3 cr

Introduces individual and group behavior in organizations and to organizational theory. Includes motivation, communication, stress, leadership decision-making, organizational processes and structures, and interactions between organizations and external environments.
Prerequisites: Completion of a minimum of 54 credits.
Offered: Fall, Spring.

MGT 446 | Global Management | 3 cr

Explores global challenges and potential solutions for businesses and other organizations with international operations such as cross-cultural approaches and strategies to effectively manage workers in different countries and regions of the world. Includes in-depth study of global management skills, the impact of advancing technology, complex workplace changes, economic transformations, different cultural contexts, the world economy, and global marketplace.
Prerequisites: Completion of a minimum of 54 credits.
Offered: Fall.

MGT 490 | Special Topics in Management | 1-3 cr

Selected topics in management. Subject varies; see current course schedule.
Prerequisites: Dependent on subject.
Offered: Occasionally.

MGT 494 | Internship | 1-3 cr

Designed to provide actual or quasi on-the-job learning experiences in which a student works with a single sponsoring organization in either the public or private sector under the supervision of a faculty member. Credit/no-credit grading basis.
Prerequisites: As provided in guidelines and policies available in Business Department; consent of instructor; department chair approval.
Offered: Fall, Spring, Summer.

MGT 499 | Independent Study | 1-3 cr

Designed to provide qualified students with an opportunity to conduct research projects in an appropriate area of management under the supervision of a faculty member. Six hours credit maximum.
Prerequisites: As provided in guidelines and policies available in Business Department; consent of instructor; department chair approval.
Offered: Fall, Spring, Summer.

Courses in Management Information Systems

MIS 215 | Data Visualization and Analytics | 3 cr
Explores data visualization and analytics using data sets from applications ranging from social sciences and business to natural sciences and healthcare. Introduces multiple tools for data visualization and analytics.
Prerequisites: Sophomore standing.
Offered: Spring.

MIS 220 | Information Technology Foundations | 3 cr
Covers foundations in computer software, hardware, business applications, projects, and careers. Introduces project management and web page development including markup languages and style sheets.
Prerequisites: MATH 104 or MATH 111.
Offered: Occasionally.

MIS 221 | Business Programming I | 3 cr
Provides conceptual and practice-oriented approaches to defining a business problem, designing and testing solution logic, implementing and coding the logic through sound structured programming techniques. Uses the Python programming language to develop programs that are robust and easy to maintain.
Prerequisites: MATH 104 or MATH 111.
Offered: Spring.
Meets: Natural Science:MIS, Natural Science:MIS, Natural Science:MIS, Natural Science:MIS, Natural Science:MIS

MIS 290 | Special Topics in Management Information Systems | 3 cr
Selected topics in management information systems. Subject matter varies.
Prerequisites: Dependent on subject matter.
Offered: Occasionally.

MIS 320 | Management Information Systems | 3 cr
Examines the computer as a problem-solving tool, as part of data processing systems, MIS and decision support systems; information systems planning and development; explores database management, networking and web technologies; project management.
Prerequisites: ACCT 201; completion of a minimum of 54 credits; business major/minor.
Offered: Fall, Spring.

MIS 322 | Business Programming II | 3 cr
Introduces object-oriented programming; covers the basics of creating classes, encapsulation, constructors, error handling, polymorphism, and inheritance; writing programs using classes and relational databases. This course may be offered online.
Prerequisites: MIS 221.
Offered: Fall.

MIS 327 | Cloud Computing in Business | 3 cr
Introduces fundamental principles of computer networks, hardware, facilities, and related equipment/processes used to support IT services. Covers multiple cloud computing technology platforms for business applications.
Prerequisites: MATH 104 or MATH 111; completion of a minimum of 60 credits; business major/minor.
Offered: Fall.

MIS 328 | Database Management Systems | 3 cr
Investigates data modeling techniques including object-oriented modeling, database systems concepts, and use of structured query language for information processing, client/server architecture, distributed databases. Includes hands-on exercises with different database platforms.
Prerequisites: MIS 221; completion of a minimum of 60 credits, business major/minor.
Offered: Fall.

MIS 422 | Internet Programming | 3 cr
Explores web-based application development using Active Server Pages and web services, database connectivity, graphical user interfaces, event-driven software, and the development of server-side programs. Not open to students with credit in CIS 626. Multi-career cross-listing: CIS 626.
Prerequisites: MIS 320, 322.
Offered: Occasionally.

MIS 424 | Advanced Business Data Communications | 3 cr
Explores fundamentals of transmission protocols and network services; setting up and configuring network protocols, routing, security, and networking services such as name resolution and dynamic addressing. Multi-career cross-listing: CIS 624.
Prerequisites: MIS 327; business major/minor.
Offered: Occasionally.

MIS 425 | Systems Analysis and Design | 3 cr
Examines agile methodologies, system development using the life cycle, rapid application development, prototyping, software acquisition, structured and object-oriented techniques and project management. Requires use of current software packages for analysis and design. Multi-career cross-listing: CIS 625.
Prerequisites: MIS 328; PMGT 341 or concurrent registration; business major/minor.
Offered: Spring.
Meets: Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning

MIS 428 | IS Planning and Project Management | 3 cr
Examines information systems (IS), IS projects and information technology (IT) from the perspective of IT management and upper management. Exposes students to common IS used in organizations.
Prerequisites: MIS 425 or concurrent registration; completion of minimum 54 credits; business major/minor.
Offered: Occasionally.

MIS 431 | Advanced Data Analytics | 3 cr
Covers advanced data analytics programming techniques such as knn, neural networks, decision trees, and random forests using programming techniques in R and Python.
Prerequisites: MIS 215, MIS 221, QM 310.
Offered: Spring.

MIS 490 | Special Topics in Management Information Systems | 1-3 cr
Selected topics in management information systems. Subject varies; see current course schedule.
Prerequisites: Dependent on subject matter.
Offered: Occasionally.

MIS 494 | Internship | 1-3 cr
Designed to provide actual or quasi on-the-job learning experiences in which a student works with a single sponsoring organization in either the public or private sector under the supervision of a faculty member. Credit/no-credit grading basis.
Prerequisites: As provided in guidelines and policies available in Business Department; consent of instructor; department chair approval.
Offered: Fall, Spring, Summer.

MIS 499 | Independent Study | 1-3 cr
Designed to provide qualified students with an opportunity to conduct research projects in an appropriate area of management information systems under the supervision of a faculty member. Six hours credit maximum.
Prerequisites: As provided in guidelines and policies available in Business Department; consent of instructor; department chair approval.
Offered: Fall, Spring, Summer.

Courses in Marketing and Selling

MKT 350 | Marketing Principles | 3 cr
Introduces the general marketing process, which is involved in the distribution and exchange of goods and services. Surveys product, pricing, promotion, distribution, and buyer behavior variables within the context of market planning.
Prerequisites: ECON 120; completion of a minimum of 54 credits, business major/minor.
Offered: Fall, Spring.

MKT 353 | Internet Marketing | 3 cr
Emphasizes an understanding of digital marketing, social media, internet marketing, consumer behavior, web analytics, search engine optimization, and advertising and creativity strategy.
Prerequisites: MKT 350.
Offered: Occasionally.

MKT 354 | Marketing Research | 3 cr
Examines scientific procedures applicable to marketing research, including methodological considerations of defining information needs, determining research design, collecting/analyzing data, and preparing reports. Community-based learning designation.
Prerequisites: MKT 350, QM 310; business major/minor.
Offered: Fall.
Meets: Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning

MKT 355 | Buyer Behavior | 3 cr
Examines theoretical and applied research and concepts in the buying decision processes in households, businesses, nonprofit and government organizations as these relate to development, implementation, and assessments of marketing strategies. Covers contributions from social and behavioral sciences as well as marketing.
Prerequisites: MKT 350; business major/minor.
Offered: Spring.

MKT 356 | Global Marketing | 3 cr
Examines managing the marketing function in the global context, including increasingly competitive international market dynamics and environmental factors.
Prerequisites: MKT 350.
Offered: Occasionally.

MKT 357 | Multicultural Marketing | 3 cr
Examines recent research and best practices in marketing to various ethnic and sexual orientation groups, examining both the largest "traditional" ethnic segments (Asian-American, African-American, and Hispanic-American) as well as the LGBTQ market and "multi-cultural market" in general to prepare students for marketing challenges in an increasingly dynamic market with rapidly changing tastes.
Prerequisites: MKT 350.
Offered: Occasionally.
Meets: Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity

MKT 358 | Promotions Management | 3 cr
Analyzes management of the firm's promotional mix, including techniques and strategies in the use of advertising, personal selling, sales promotion, and public relations. Community-based learning designation.
Prerequisites: MKT 350; completion of a minimum of 54 credits, business major/minor.
Offered: Spring.
Meets: Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning

MKT 450 | Social Media Marketing | 3 cr
Examines the various social media channels available to marketers, learning how to build social marketing strategies, and practicing how to track their effectiveness. Covers relevant digital marketing aspects more broadly, including emerging electronic commerce and mobile marketing topics.
Prerequisites: MKT 350.
Offered: Spring.

MKT 452 | Product Management | 3 cr
Explores a systematic approach to product planning, product development, and product management over time; examines appropriate strategies for product review and monitoring via case analysis.
Prerequisites: MKT 350.
Offered: Occasionally.

MKT 453 | Advanced Digital and Social Media Marketing | 3 cr
Develops advanced skills related to social media optimization, email marketing, content marketing, data and website analytics, paid ad optimization strategies, online reputation management, and digital marketing automation.
Prerequisites: MKT 350.
Offered: Fall.

MKT 455 | Marketing Management | 3 cr
Examines marketing strategies and the strategic planning process in practical business situations.
Prerequisites: MKT 350, 354, and 355.
Offered: Fall.

MKT 458 | Personal Selling | 3 cr
Examines personal selling as a major function within the marketing and promotional mix of a firm.
Prerequisites: MKT 350; completion of a minimum of 54 credits, business major/minor.
Offered: Fall.

MKT 467 | Selling of Financial Services | 3 cr
Focuses on how financial institutions design and market their services and products through the personal selling function.
Prerequisites: MKT 458.
Offered: Spring.

MKT 469 | Advanced Personal Selling | 3 cr
Examines concepts of strategic account management, customer relationship management, consultative selling, and customer problem diagnosis in a variety of situations.
Prerequisites: MKT 458.
Offered: Spring.

MKT 490 | Special Topics in Marketing | 1-3 cr
Selected topics in marketing. Subject varies; see current course schedule. Prerequistie: Dependent on subject matter.
Offered: Occasionally.

MKT 494 | Internship | 1-3 cr
Encourages students to apply theories learned in Marketing courses to on-the-job learning solutions. Student will work with an employer organization under a direct supervisor with faculty oversight. Grade is based on reported satisfaction of direct supervisor with work deliverables. Credit/no-credit grading basis.
Prerequisites: MKT 350, MKT 354 and MKT 355; and consent of instructor and department chair approval.
Offered: Occasionally.

MKT 499 | Independent Study | 1-3 cr
Designed to provide qualified students with an opportunity to conduct a research project in an appropriate area of marketing under the supervision of a faculty member.
Prerequisites: MKT 350, MKT 354 and MKT 355; and consent of instructor and department chair approval.
Offered: Occasionally.

Courses in Project Management

PMGT 314X | PMP Exam Preparation | 1 cr
Discusses tips and best practices for preparing for the PMI certification exam.
Prerequisites: Admission to the Flexible Option Program and consent of program representative.
Offered: Yearly.

PMGT 315X | A System for Value Delivery | 1 cr
Explores a system of value delivery and how projects operate within a system to produce value for organizations and their stakeholders. Covers recognizing value delivery components and how they work together to deliver organizational value that is aligned with the organization's strategy.
Prerequisites: Admission to the Flexible Option Program and consent of program representative.
Offered: Yearly.

PMGT 316X | Principles of Project Management | 1 cr
Explores project management principles as foundational guidelines for strategy, decision making, and problem solving in the context of the organization, project, deliverables, project team, stakeholders, and other factors.
Prerequisites: Admission to the Flexible Option Program and consent of program representative.
Offered: Yearly.

PMGT 317X | Stakeholder and Team Project Performance Domains | 1 cr
Explores the concept of project domains and team performance. Examines team dynamics and essential personal skills necessary to achieve project outcomes.
Prerequisites: Admission to the Flexible Option Program and consent of program representative.
Offered: Yearly.

PMGT 318X | Development Approach and Life Cycle Project Performance Domain | 1 cr
Explores activities and functions associated with the development approach, cadence, and life cycle phases of the project.
Prerequisites: Admission to the Flexible Option Program and consent of program representative.
Offered: Yearly.

PMGT 319X | Planning Performance Domain | 1 cr
Explores activities and functions associated with the initial, ongoing, and evolving organization and coordination necessary to deliver project deliverables and outcomes.
Prerequisites: Admission to the Flexible Option Program and consent of program representative.
Offered: Yearly.

PMGT 320X | Project Performance Domains | 1 cr
Explores activities and functions associated with establishing project processes, managing physical resources, fostering a learning environment, and delivering the scope and quality of the project.
Prerequisites: Admission to the Flexible Option Program and consent of program representative.
Offered: Yearly.

PMGT 321X | Measurement and Uncertainty Project Performance Domains | 1 cr
Explores assessment of a project's performance and how to manage uncertainty and risk.
Prerequisites: Admission to the Flexible Option Program and consent of program representative.
Offered: Yearly.

PMGT 322X | Tailoring | 1 cr
Explores how projects are deliberately adapted throughout the lifecycle in order to make them more suitable for the given environment and work.
Prerequisites: Admission to the Flexible Option Program and consent of program representative.
Offered: Yearly.

PMGT 323X | Models, Methods and Artifacts | 1 cr
Explores how leadership, communication, motivation, change, complexity, and team development affect models, methods, and artifacts used in project management.
Prerequisites: Admission to the Flexible Option Program and consent of program representative.
Offered: Yearly.

PMGT 324X | Agile Framework | 3 cr
Explores tools and situational guidelines for the various agile approaches available to project managers. Examines how new project managers understand and adapt the agile approach.
Prerequisites: Admission to the Flexible Option Program and consent of program representative.
Offered: Yearly.

PMGT 341 | Basics of Project Management | 3 cr
Covers Project Management Body of Knowledge (PMBoK) specified by Project Management Institute (PMI) in detail. Includes life cycle, processes, integration, scope, time, cost, human resources, communication, risk and procurement.
Prerequisites: QM 210; completion of a minimum of 54 credits.
Offered: Fall.

PMGT 342 | Essential Personal Skills For Project Management | 3 cr
Provides a background in personal skills essential for effective project management, including general intelligence; emotional intelligence; groups and teams; project leadership; stress; ethics; and communication.
Prerequisites: None.
Offered: Fall, Summer.

PMGT 441 | Advanced Project Management Tools and Techniques | 3 cr
Covers advanced tools and techniques of project management, including Microsoft Project, and Microsoft Excel, Work Breakdown Structure (WBS), budgeting a project, scheduling a project using PERT/CPM, allocating scarce resources, critical chain and critical path, resource leveling, monitoring the project costs, evaluating and terminating a project. Multi-career cross-listing: CIS 641.
Prerequisites: PMGT 341.
Offered: Spring.

PMGT 442 | Project Management Simulation | 3 cr
Includes project scheduling, risk analysis, earned value, and teamwork. Applies project management skills to a simulated or live project, develop project justification and plan, and execute the plan and track performance. Multi-career cross-listing: CIS 642.
Prerequisites: PMGT 341, PMGT 342.
Offered: Spring.

Courses in Quantitative Methods

QM 110 | Applied Quantitative Analysis in Business | 3 cr
Surveys applied business concepts that include statistics, mathematics, operations management, accounting, finance, marketing, and project management. Emphasizes using data and spreadsheets as a means for modeling business concepts.
Prerequisites: MATH 104 or 111.
Offered: Fall, Spring, Summer.

QM 210 | Business Statistics I | 3 cr
Introduces descriptive statistical analysis; probability and expectation; discrete and continuous probability models; sampling distributions; hypothesis testing and estimation. Emphasizes conceptual understanding of statistical analysis and its application to and interpretation for business problems.
Prerequisites: MATH 112 or QM 110.
Offered: Fall, Spring, Summer.

QM 310 | Business Statistics II | 3 cr
Explains advanced inferential techniques including analysis of variance; simple and multiple linear correlation and regression techniques; Bayesian decision analysis; time-series analysis; non-parametric techniques; use of computer analysis for applied business problems.
Prerequisites: QM 210; completion of a minimum of 54 credits, business major/minor.
Offered: Fall, Spring, Summer.

QM 319 | Operations Management | 3 cr
Examines the role of the operations function in an organization; strategy and competitiveness, supply chain management, forecasting and inventory control. total quality management, statistical quality control, lean manufacturing, scheduling, project management, and application of these principles in manufacturing and service organizations.
Prerequisites: QM 210; completion of a minimum of 54 credits, business major/minor.
Offered: Fall, Spring, Summer.

QM 490 | Special Topics in Statistics and Quantitative Methods | 1-3 cr
Selected topics in statistics and quantitative methods. Subject varies; See Current Course Schedule.
Prerequisites: Dependent on subject matter; Junior standing, business major/minor.
Offered: Occasionally.

Accounting Major (BS)

Department website (https://www.uwp.edu/learn/programs/accounting.cfm)

College: College of Business, Economics, and Computing

The accounting major is designed for business students who wish to prepare, analyze and verify financial documents. The accounting-specific courses provide students with a solid knowledge base and the strong quantitative skills necessary for a successful career in the accounting profession. UW-Parkside students who complete the current accounting major are well prepared to successfully pass the Uniform Certified Public Accountant Exam.

There are three main fields of accounting: public, private, and governmental. Each of these fields requires that the student learn precise skills in order to be successful; and these skills are continually emphasized through both course material and internships/externships taught by UW-Parkside faculty.

Program Learning Outcomes

1. Students will be able to prepare corporate financial statements and analyze corporate annual reports.
2. Students will be able to understand, apply, and communicate theory, methodology, and solutions of cost concepts, cost systems, and cost behavior for product pricing, performance evaluation, and other managerial decisions.
3. Students will be able to develop and implement an audit plan and create audit reports related to internal auditing, governmental auditing, and operational auditing.
4. Students will be able to prepare tax returns for individuals, “C” corporations, “S” corporations, and partnerships.
5. Students will be able to analyze cases and develop solutions that require applying principles from the Uniform Commercial Codes, the law of contracts, other areas of law, and professional ethical guidelines.

Requirements for the Accounting Major

Common Fundamental, Preparation, and Core Course Requirements for all Business Majors

Business students should declare a major, and concentration if applicable, as soon as possible to stay on track toward graduation.

The following common requirements for all degrees in the business department are in addition to the university general education requirements.

Code	Title	Credits
Fundamental Preparation Courses [1]		
A minimum grade of C or better is required in each course below (C- is not acceptable)		

Required Courses		
ECON 120	Principles of Microeconomics	3
ECON 121	Principles of Macroeconomics	3
COMM 105	Public Speaking for the 21st Century	3
QM 110	Applied Quantitative Analysis in Business	3
Advanced Writing Course		
Select one of the following:		3
ENGL 201	Advanced Composition	
ENGL 202	Technical Writing	
ENGL 204	Writing for Business and Industry	
Fundamental Preparation Courses Subtotal		15
Business Preparation Courses [1]		
A minimum grade of C or better is required in each course below (C- is not acceptable)		
ACCT 201	Financial Accounting	3
ACCT 202	Managerial Accounting	3
BUS 272	Legal Environment of Business	3
QM 210	Business Statistics I	3
QM 310	Business Statistics II	3
Business Preparation Courses Subtotal		15
Business Foundation Core Courses [2]		
Students must acquire an overall average GPA of 2.5 in 300/400 level foundation, major and concentration courses		
QM 319	Operations Management	3
MIS 320	Management Information Systems	3
FIN 330	Managerial Finance	3
MGT 349	Organizational Behavior	3
MKT 350	Marketing Principles	3
BUS 495	Capstone in Strategic Management	3
Business Foundation Core Courses Subtotal		18
Total Credits		**48**

1 Approved transfer classes worth fewer credits than the equivalent class can reduce the 15 credit requirement.

2 Approved transfer classes worth fewer credits than the equivalent class can reduce the 18 credit requirement.

Prerequisites for 300-400 level business courses:

- Major declared and accepted;
- Completion of a minimum of 54 credits;
- Minimum overall GPA of 2.00 (calculated with and without transfer grades);
- Be within 12 or fewer credits of completing general education requirements.

Requirements for the Accounting Major

Students should declare the accounting major as soon as possible to stay on track toward graduation. The Accounting program at UW-Parkside includes fundamental and business preparation courses (31 credits), upper-level foundation core courses (18 credits), and accounting major courses (24 credits).

Code	Title	Credits
Common Fundamental, Preparation, and Core Courses		**48**
Accounting Courses		
Required Major Courses		
ACCT 301	Intermediate Accounting I	3
ACCT 302	Intermediate Accounting II	3
ACCT 305	Individual Taxation	3
ACCT 306	Business Taxation	3
ACCT 400	Advanced Accounting	3
ACCT 403	Advanced Cost Accounting	3
ACCT 404	Auditing	3
BUS 372	Business Law	3
Recommended Course		
ACCT 405	Volunteer Income Tax Assistance (VITA)	
Accounting Courses Subtotal		72
Total Credits		**72**

Students planning to take regional CPA Exams should take one of the two courses below.

State of Wisconsin:

ACCT 402 Accounting Information Systems

State of Illinois:

PHIL 206 Introduction to Ethics

General University Degree Requirements (Bachelor's Degree)

In addition to individual program requirements, students must also fulfill the following requirements:

Requirement	Credits
Skills	7-8
General Education	36
Foreign Language**	6-8
Ethnic Diversity	3
Total	52-55

** Transfer students in sustainable management, and health information management and technology collaborative, online degree-completion programs, the business management online degree-completion program, and the flexible option degree-completion program will be exempt from the university's foreign language requirement. See appropriate academic section for further information.

Skills Requirement (p. 13)

Code	Title	Credits
Reading and Writing		
ENGL 101	Composition and Reading	3
Computational Skills		
Select one of the following:		4-5
MATH 102	Quantitative Reasoning	
MATH 103	Elementary Statistics	
MATH 104	College Mathematics with Applications	

MATH 111	College Algebra I	
Total Credits		**7-8**

General Education (p. 13)

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Foreign Language (p. 13)

Ethnic Diversity (p. 13)

Degree Requirements

Requirement	Credits
Minimum Total Credits	120
Upper Level Credits (300 level or above)	36
Residency	30

Cumulative Degree GPA: 2.0 minimum

Course	Title	Credits
Year 1		
Fall Semester		
MATH 104	College Mathematics with Applications	4
ENGL 100	Fundamentals of English	3
General Education (SS)		3
Introductory Language		4
	Credits	**14**
Spring Semester		
QM 110	Applied Quantitative Analysis in Business	3
ENGL 101	Composition and Reading	3
ECON 121	Principles of Macroeconomics	3
COMM 105	Public Speaking for the 21st Century	3
Introductory Language		4
	Credits	**16**
	Total Credits	**30**

Course	Title	Credits
Year 2		
Fall Semester		
ECON 120	Principles of Microeconomics	3
QM 210	Business Statistics I	3
ACCT 201	Financial Accounting	3
General Education (HU)		3
General Education (NS)		3
	Credits	**15**
Spring Semester		
ACCT 202	Managerial Accounting	3
BUS 272	Legal Environment of Business	3
QM 310	Business Statistics II	3
ENGL 204 or ENGL 201 or ENGL 202	Writing for Business and Industry or Advanced Composition or Technical Writing	3
General Education (NS)		3
	Credits	**15**
	Total Credits	**30**

Course	Title	Credits
Year 3		
Fall Semester		
FIN 330	Managerial Finance	3
ACCT 301	Intermediate Accounting I	3
ACCT 305	Individual Taxation	3
General Education (HU)		3
General Education (NS)		3
	Credits	**15**
Spring Semester		
MIS 320	Management Information Systems	3
ACCT 302	Intermediate Accounting II	3
ACCT 306	Business Taxation	3
MGT 349	Organizational Behavior	3
General Education (HU)		3
	Credits	**15**
	Total Credits	**30**

Course	Title	Credits
Year 4		
Fall Semester		
QM 319	Operations Management	3
MKT 350	Marketing Principles	3
ACCT 400	Advanced Accounting	3
ACCT 403	Advanced Cost Accounting	3
General Education (SS)		3
	Credits	**15**
Spring Semester		
BUS 495	Capstone in Strategic Management	3
ACCT 404	Auditing	3
BUS 372	Business Law	3
General Education (NS)		3
General Elective (DV if needed)		3
	Credits	**15**
	Total Credits	**30**

Business Management Major (BS)

Department website (https://www.uwp.edu/learn/programs/businessmanagementmajor.cfm)

College: College of Business, Economics, and Computing

Students majoring in business management are prepared for a variety of business careers. All students receive a foundation in the various functional areas of business. These students must also select a particular area of business as a concentration, focusing their study on finance, human resource management, general business, or supply chain management, logistics, and analytics. Students may choose more than one concentration. Advanced course work in the professional area should be taken after the student has completed most of the business foundation core courses. However, due to the sequence of course offerings, students may wish to begin advanced work in their professional areas prior to completing the entire core program. Students are encouraged to check with their faculty advisor on the scheduling of advanced course work.

Program Learning Outcomes

1. Students can recognize the ethical implications in a business situation and choose and defend an appropriate resolution.
2. Students can write effectively and make an effective presentation about a business problem or issue.
3. Students are knowledgeable in project management principles and are able to apply these principles to a practical situation.
4. Students will be able to articulate important diversity issues including, but not limited to, race, ethnicity, culture, gender, age,

socio-economic status and political/religious/sexual orientation in business management

5. Students will be able to effectively use computer technology to support a business decision.

Requirements for the Business Management Major

Students must acquire an overall average GPA of 2.5 in 300/400 level foundation, major and concentration courses.

Common Fundamental, Preparation, and Core Course Requirements for all Business Majors

Business students should declare a major, and concentration if applicable, as soon as possible to stay on track toward graduation.

The following common requirements for all degrees in the business department are in addition to the university general education requirements.

Code	Title	Credits
Fundamental Preparation Courses [1]		
A minimum grade of C or better is required in each course below (C- is not acceptable)		
Required Courses		
ECON 120	Principles of Microeconomics	3
ECON 121	Principles of Macroeconomics	3
COMM 105	Public Speaking for the 21st Century	3
QM 110	Applied Quantitative Analysis in Business	3
Advanced Writing Course		
Select one of the following:		3
ENGL 201	Advanced Composition	
ENGL 202	Technical Writing	
ENGL 204	Writing for Business and Industry	
Fundamental Preparation Courses Subtotal		15
Business Preparation Courses [1]		
A minimum grade of C or better is required in each course below (C- is not acceptable)		
ACCT 201	Financial Accounting	3
ACCT 202	Managerial Accounting	3
BUS 272	Legal Environment of Business	3
QM 210	Business Statistics I	3
QM 310	Business Statistics II	3
Business Preparation Courses Subtotal		15
Business Foundation Core Courses [2]		
Students must acquire an overall average GPA of 2.5 in 300/400 level foundation, major and concentration courses		
QM 319	Operations Management	3
MIS 320	Management Information Systems	3
FIN 330	Managerial Finance	3
MGT 349	Organizational Behavior	3
MKT 350	Marketing Principles	3
BUS 495	Capstone in Strategic Management	3
Business Foundation Core Courses Subtotal		18
Total Credits		**48**

1. Approved transfer classes worth fewer credits than the equivalent class can reduce the 15 credit requirement.
2. Approved transfer classes worth fewer credits than the equivalent class can reduce the 18 credit requirement.

Prerequisites for 300-400 level business courses:

- Major declared and accepted;
- Completion of a minimum of 54 credits;
- Minimum overall GPA of 2.00 (calculated with and without transfer grades);
- Be within 12 or fewer credits of completing general education requirements.

Requirements for the Business Management Major

The business management major includes fundamental and business preparation courses (30 credits), upper-level foundation core courses (18 credits), and concentration courses (15-18 credits) as defined below.

Code	Title	Credits
Common Fundamental, Preparation, and Core Courses		48
Business Management Concentration (choose one option)		15-18
Total Credits		**63-66**

Business Management Concentrations

Finance Concentration

Career possibilities include financial analyst, financial planner, banking professional, investment analyst, portfolio analyst, stockbroker, corporate buyer, cost estimator, budget analyst.

Code	Title	Credits
Required Courses		
FIN 335	Investments	3
FIN 336	Management of Financial Institutions	3
FIN 431	Advanced Managerial Finance	3
Required Courses Subtotal		9
Elective Courses		
Select two of the following:		6
FIN 435	Security Analysis and Portfolio Management	
FIN 437	International Financial Management	
ACCT 301	Intermediate Accounting I	
Elective Courses Subtotal		6
Total Credits		**15**

General Business Concentration

Career possibilities include business administration, corporate communications, sales, retail management, logistics and materials management, hospitality management.

Code	Title	Credits
Required Course		
HRM 343	Human Resource Management	3

Select fifteen credits of upper-level business department courses [1]		15
Total Credits		**18**

[1] No more than two courses (6 credits) in any one business area (accounting, business, finance, human resource management, management, management information systems, marketing, selling, project management, or quantitative methods).
The combined credits for BUS 494 Internship in Business and BUS 499 Independent Study across all business disciplines cannot exceed 6 credits.

Human Resource Management Concentration

Career possibilities include benefits specialist, affirmative action officer, compensation manager, corporate trainer, employment policy manager, labor relations manager, recruiter and recruiting manager.

Code	Title	Credits
Required Course		
HRM 343	Human Resource Management	3
HRM 441	Strategic Staffing [1]	3
HRM 442	Training and Performance Management [1]	3
Required Course Subtotal		9
Major Elective Courses		
Select two of the following:		6
HRM 444	Compensation and Benefits	
HRM 445	Diversity and Inclusion in Organizations	
HRM 490	Special Topics in Human Resource Management	
HRM 494	Internship	
HRM 499	Independent Study	
MGT 446	Global Management	
PMGT 342	Essential Personal Skills For Project Management	
BUS 432	Services Management	
COMM 303	Organizational Communication	
COMM 385	Conflict Mediation	
COMM 485	Practicum in Conflict Intervention	
ECON 380	The Labor Market	
PSYC 330	Interviewing	
SOCA 374	Women and Work	
Major Elective Courses Subtotal		6
Total Credits		**15**

Supply Chain Management, Logistics, and Analytics

Career possibilities include management roles in sourcing, procurement, inventory analytics, logistics or warehousing.

Code	Title	Credits
Required Course		
BUS 427	Introduction to Supply Chain Management	3
BUS 465	Demand Supply Analytics: Distribution, Procurement, and Inventory Models	3
BUS 466	Global Negotiations and Supplier Relations	3
BUS 467	Managing Pricing, Risks and Finances in Supply Chains	3
MKT 354	Marketing Research	3
MKT 355	Buyer Behavior	3
Total Credits		**18**

General University Degree Requirements (Bachelor's Degree)

In addition to individual program requirements, students must also fulfill the following requirements:

Requirement	Credits
Skills	7-8
General Education	36
Foreign Language**	6-8
Ethnic Diversity	3
Total	52-55

** Transfer students in sustainable management, and health information management and technology collaborative, online degree-completion programs, the business management online degree-completion program, and the flexible option degree-completion program will be exempt from the university's foreign language requirement. See appropriate academic section for further information.

Skills Requirement (p. 13)

Code	Title	Credits
Reading and Writing		
ENGL 101	Composition and Reading	3
Computational Skills		
Select one of the following:		4-5
MATH 102	Quantitative Reasoning	
MATH 103	Elementary Statistics	
MATH 104	College Mathematics with Applications	
MATH 111	College Algebra I	
Total Credits		**7-8**

General Education (p. 13)

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Foreign Language (p. 13)

Ethnic Diversity (p. 13)

Degree Requirements

Requirement	Credits
Minimum Total Credits	120
Upper Level Credits (300 level or above)	36
Residency	30

Cumulative Degree GPA: 2.0 minimum

Business Management Major Online Degree Completion Program (BS)

Department website (https://www.uwp.edu/learn/programs/onlinebusiness.cfm)

College: College of Business, Economics, and Computing

Students majoring in business management are prepared for a variety of business careers. All students receive a foundation in the various functional areas of business. These students must also select a particular area of business as a concentration: for the online business degree completion program, the only concentration currently available is the general business concentration. Advanced course work in the general business concentration should be taken after the student has completed most of the business foundation core courses. However, due to the sequence of course offerings, students may wish to begin advanced work in general business prior to completing the entire core program. Students are encouraged to check with their faculty advisor on the scheduling of advanced course work.

1. Students can recognize the ethical implications in a business situation and choose and defend an appropriate resolution.
2. Students can write effectively and make an effective oral presentation about a business problem or issue.
3. Students are knowledgeable in project management principles and are able to apply these principles to a practical situation.
4. Students will be able to articulate important diversity issues including, but not limited to, race, ethnicity, culture, gender, age, socio-economic status and political/religious/sexual orientation in business management.
5. Students will be able to effectively use computer technology to support a business decision.

Requirements for the Business Management Major Online Degree Completion Program

Students declaring the business management major as an online degree completion program must have an associate degree or junior/senior standing.

It is expected that students applying for the online degree completion program in business management will have completed UW-Parkside's skills requirements, general education requirements and diversity requirements. Students in this program are not required to complete the foreign language requirement. Students who have not completed all of these requirements may be given conditional admission though pending status, and are expected to complete all requirements needed for a UW-Parkside degree.

Common Fundamental, Preparation, and Core Course Requirements for all Business Majors

Business students should declare a major, and concentration if applicable, as soon as possible to stay on track toward graduation.

The following common requirements for all degrees in the business department are in addition to the university general education requirements.

Code	Title	Credits
Fundamental Preparation Courses [1]		
A minimum grade of C or better is required in each course below (C- is not acceptable)		
Required Courses		
ECON 120	Principles of Microeconomics	3
ECON 121	Principles of Macroeconomics	3
COMM 105	Public Speaking for the 21st Century	3
QM 110	Applied Quantitative Analysis in Business	3
Advanced Writing Course		
Select one of the following:		3
ENGL 201	Advanced Composition	
ENGL 202	Technical Writing	
ENGL 204	Writing for Business and Industry	
Fundamental Preparation Courses Subtotal		15
Business Preparation Courses [1]		
A minimum grade of C or better is required in each course below (C- is not acceptable)		
ACCT 201	Financial Accounting	3
ACCT 202	Managerial Accounting	3
BUS 272	Legal Environment of Business	3
QM 210	Business Statistics I	3
QM 310	Business Statistics II	3
Business Preparation Courses Subtotal		15
Business Foundation Core Courses [2]		
Students must acquire an overall average GPA of 2.5 in 300/400 level foundation, major and concentration courses		
QM 319	Operations Management	3
MIS 320	Management Information Systems	3
FIN 330	Managerial Finance	3
MGT 349	Organizational Behavior	3
MKT 350	Marketing Principles	3
BUS 495	Capstone in Strategic Management	3
Business Foundation Core Courses Subtotal		18
Total Credits		**48**

1. Approved transfer classes worth fewer credits than the equivalent class can reduce the 15 credit requirement.
2. Approved transfer classes worth fewer credits than the equivalent class can reduce the 18 credit requirement.

Prerequisites for 300-400 level business courses:

- Major declared and accepted;
- Completion of a minimum of 54 credits;
- Minimum overall GPA of 2.00 (calculated with and without transfer grades);
- Be within 12 or fewer credits of completing general education requirements.

Requirements for the Business Management Major Online Degree Completion Program

Code	Title	Credits
Common Fundamental, Preparation, and Core Courses		**48**
Business Management Concentration-General Business		
Required Course		
HRM 343	Human Resource Management	3
Upper-Level Business Department Courses		

Select 15 additional credits in Upper-Level Business Department Courses [1]	15
Total Credits	**66**

[1] No more than two courses (6 credits) in any one business area (accounting, business, entrepreneurship, finance, human resource management, management, management information systems, marketing, selling, project management, retail management, or quantitative methods).
The combined credits for BUS 494 Internship in Business and BUS 499 Independent Study across all business disciplines cannot exceed 6 credits.

General University Degree Requirements (Bachelor's Degree)

In addition to individual program requirements, students must also fulfill the following requirements:

Requirement	Credits
Skills	7-8
General Education	36
Foreign Language**	6-8
Ethnic Diversity	3
Total	52-55

** Transfer students in sustainable management, and health information management and technology collaborative, online degree-completion programs, the business management online degree-completion program, and the flexible option degree-completion program will be exempt from the university's foreign language requirement. See appropriate academic section for further information.

Skills Requirement (p. 13)

Code	Title	Credits
Reading and Writing		
ENGL 101	Composition and Reading	3
Computational Skills		
Select one of the following:		4-5
MATH 102	Quantitative Reasoning	
MATH 103	Elementary Statistics	
MATH 104	College Mathematics with Applications	
MATH 111	College Algebra I	
Total Credits		**7-8**

General Education (p. 13)

- General Education Course List (p. 157)

Foreign Language (p. 13)

Ethnic Diversity (p. 13)

Degree Requirements

Requirement	Credits
Minimum Total Credits	120
Upper Level Credits (300 level or above)	36
Residency	30

Cumulative Degree GPA: 2.0 minimum

Management Information Systems (MIS) Major (BS)

Department website (https://www.uwp.edu/learn/programs/mismajor.cfm)

College: College of Business, Economics, and Computing

Management Information Systems (MIS) professionals are the people who help design, develop and manage information systems and technologies for organizational processes. They provide solutions relating to organizational challenges by designing innovative systems and technologies. Some of the roles that MIS professionals play in organizations include Data analysts, Systems analysts, Computer and information systems managers, Application development directors, Chief Technology Officers, Computer Operations Manager, Computer Security Manager, Data Operations Director, Data Processing Managers, Information Systems Directors, Information Systems Managers, Information Technology Directors, Information Technology Systems Directors, Internet Technology Manager, MIS Director, Chief Security Officers, Cloud Engineers, Computer network support specialists, Data scientists, Project Managers, and Database Developers.

MIS graduates develop interpersonal and technical skills and understand business ethics. They also become well-versed with different types of systems analysis and development methodologies.

Program Learning Outcomes

1. Identify, communicate, and recommend information system solutions to meet practical business needs.
2. Apply principles and tools of data modeling and analytics to practical business scenarios.
3. Utilize appropriate programming constructs and tools to develop an information system application.
4. Design information system infrastructure for a given business scenario.
5. Apply project management principles to practical information system projects.

Requirements for the Management Information Systems (MIS) Major

A minimum of C or better in the Fundamental Preparation and Business Preparation Courses (C- is not acceptable)

Students must obtain a minimum overall GPA of 2.5 or higher in 300/400 level Foundation, Major, and Concentration courses.

Common Fundamental, Preparation, and Core Course Requirements for all Business Majors

Business students should declare a major, and concentration if applicable, as soon as possible to stay on track toward graduation.

The following common requirements for all degrees in the business department are in addition to the university general education requirements.

Code	Title	Credits
Fundamental Preparation Courses [1]		
A minimum grade of C or better is required in each course below (C- is not acceptable)		
Required Courses		
ECON 120	Principles of Microeconomics	3
ECON 121	Principles of Macroeconomics	3
COMM 105	Public Speaking for the 21st Century	3
QM 110	Applied Quantitative Analysis in Business	3
Advanced Writing Course		
Select one of the following:		3
ENGL 201	Advanced Composition	
ENGL 202	Technical Writing	
ENGL 204	Writing for Business and Industry	
Fundamental Preparation Courses Subtotal		15
Business Preparation Courses [1]		
A minimum grade of C or better is required in each course below (C- is not acceptable)		
ACCT 201	Financial Accounting	3
ACCT 202	Managerial Accounting	3
BUS 272	Legal Environment of Business	3
QM 210	Business Statistics I	3
QM 310	Business Statistics II	3
Business Preparation Courses Subtotal		15
Business Foundation Core Courses [2]		
Students must acquire an overall average GPA of 2.5 in 300/400 level foundation, major and concentration courses		
QM 319	Operations Management	3
MIS 320	Management Information Systems	3
FIN 330	Managerial Finance	3
MGT 349	Organizational Behavior	3
MKT 350	Marketing Principles	3
BUS 495	Capstone in Strategic Management	3
Business Foundation Core Courses Subtotal		18
Total Credits		**48**

[1] Approved transfer classes worth fewer credits than the equivalent class can reduce the 15 credit requirement.

[2] Approved transfer classes worth fewer credits than the equivalent class can reduce the 18 credit requirement.

Prerequisites for 300-400 level business courses:

- Major declared and accepted;
- Completion of a minimum of 54 credits;
- Minimum overall GPA of 2.00 (calculated with and without transfer grades);
- Be within 12 or fewer credits of completing general education requirements.

Requirements for the Management Information Systems (MIS) Major

The MIS major includes fundamental and business preparation courses (30 credits), upper-level foundation core courses (18 credits), and MIS courses (24 credits) as defined below.

Code	Title	Credits
Common Fundamental, Preparation, and Core Courses		**48**
Common Fundamental, Preparation, and Core Courses Total Credits		*48*
MIS Courses		
Required MIS Foundation Core Courses		
MIS 215	Data Visualization and Analytics	3
MIS 221	Business Programming I	3
MIS 322	Business Programming II	3
MIS 327	Cloud Computing in Business	3
MIS 328	Database Management Systems	3
MIS 425	Systems Analysis and Design	3
MIS 431	Advanced Data Analytics	3
PMGT 341	Basics of Project Management	3
MIS Courses Subtotal		24
Total Credits		**72**

Note: Students pursuing the MIS major are strongly encouraged to fulfill the natural sciences general education requirement by taking one or more of the following courses:

Code	Title	Credits
CSCI 105	Introduction to Computers	3
CSCI 130	Introduction to Programming	3
CSCI 241	Computer Science I	5

MIS major students are also strongly encouraged to complete a related certificate program: cyber security, unix system administration, or world wide web publishing.

General University Degree Requirements (Bachelor's Degree)

In addition to individual program requirements, students must also fulfill the following requirements:

Requirement	Credits
Skills	7-8
General Education	36
Foreign Language**	6-8
Ethnic Diversity	3
Total	52-55

** Transfer students in sustainable management, and health information management and technology collaborative, online degree-completion programs, the business management online degree-completion program, and the flexible option degree-completion program will be exempt from

the university's foreign language requirement. See appropriate academic section for further information.

Skills Requirement (p. 13)

Code	Title	Credits
Reading and Writing		
ENGL 101	Composition and Reading	3
Computational Skills		
Select one of the following:		4-5
MATH 102	Quantitative Reasoning	
MATH 103	Elementary Statistics	
MATH 104	College Mathematics with Applications	
MATH 111	College Algebra I	
Total Credits		**7-8**

General Education (p. 13)

- General Education Course List (p. 157)

Foreign Language (p. 13)

Ethnic Diversity (p. 13)

Degree Requirements

Requirement	Credits
Minimum Total Credits	120
Upper Level Credits (300 level or above)	36
Residency	30

Cumulative Degree GPA: 2.0 minimum

Marketing Major (BS)

Department website (https://www.uwp.edu/learn/programs/marketingmajor.cfm)

College: College of Business, Economics, and Computing

The marketing program at UW-Parkside includes fundamental and business preparation courses (30 credits), upper-level foundation courses (18 credits), and marketing courses (18 credits). Students should declare a concentration as soon as possible after declaring the major.

Career possibilities include account executive, advertising manager, communication director, international buyers, market research analyst, product development director.

Program Learning Outcomes

1. Marketing Major with a Business to Business and Sales Concentration Outcomes: Students will be aware and able to understand and apply concepts from core marketing topics, including buyer behavior, market research, product management, and promotions management. Students will be able to understand, apply, and communicate buyer behavior, concepts to a realistic business product situation. Students will be able to understand and apply personal selling techniques to industry standard. Students will be able to develop and execute a market research project to industry expectations in a community-based learning environment. Students will be able to develop and implement a marketing plan for a business product including management of supply and distribution channels.
2. Marketing Major with a Business to Consumer and Digital Marketing Concentration Outcomes: Students will be aware and able to understand and apply concepts from core marketing topics, including buyer behavior, market research, product management, and promotions management. Students will be able to understand, apply, and communicate buyer behavior, concepts to a realistic consumer product situation. Students will be able to understand and apply promotions management concepts, and teams will be able to prepare and present promotions plans to industry expectations, applying concepts to realistic client situations. Students will be able to develop and execute a market research project to industry expectations in a community-based learning environment. Students will be able to utilize social media and digital marketing tools to basic industry standard to meet marketing objectives.
3. Marketing Major with a General Marketing Concentration Outcomes: Students will be aware and able to understand and apply concepts from core marketing topics, including buyer behavior, market research, product management, and promotions management. Students will be able to understand, apply, and communicate buyer behavior, concepts to a realistic product situation. Students will be able to understand and apply promotions management concepts, and teams will be able to prepare and present promotions plans to industry expectations, applying concepts to realistic client situations. Students will be able to develop and execute a market research project to industry expectations in a community-based learning environment. Students will be able to develop and implement a marketing plan to basic industry standard to meet marketing objectives.

Requirements for the Marketing Major

An overall GPA of 2.5 in 300/400 level business foundation, major and concentration courses (including any transfer courses).

Common Fundamental, Preparation, and Core Course Requirements for all Business Majors

Business students should declare a major, and concentration if applicable, as soon as possible to stay on track toward graduation.

The following common requirements for all degrees in the business department are in addition to the university general education requirements.

Code	Title	Credits
Fundamental Preparation Courses [1]		
A minimum grade of C or better is required in each course below (C- is not acceptable).		
Required Courses		
ECON 120	Principles of Microeconomics	3
ECON 121	Principles of Macroeconomics	3
COMM 105	Public Speaking for the 21st Century	3
QM 110	Applied Quantitative Analysis in Business	3
Advanced Writing Course		
Select one of the following:		3
ENGL 201	Advanced Composition	
ENGL 202	Technical Writing	

ENGL 204	Writing for Business and Industry	
Fundamental Preparation Courses Subtotal		15
Business Preparation Courses [1]		
A minimum grade of C or better is required in each course below (C- is not acceptable).		
ACCT 201	Financial Accounting	3
ACCT 202	Managerial Accounting	3
BUS 272	Legal Environment of Business	3
QM 210	Business Statistics I	3
QM 310	Business Statistics II	3
Business Preparation Courses Subtotal		15
Business Foundation Core Courses [2]		
Students must acquire an overall average GPA of 2.5 in 300/400 level foundation, major and concentration courses.		
QM 319	Operations Management	3
MIS 320	Management Information Systems	3
FIN 330	Managerial Finance	3
MGT 349	Organizational Behavior	3
MKT 350	Marketing Principles	3
BUS 495	Capstone in Strategic Management	3
Business Foundation Core Courses Subtotal		18
Total Credits		**48**

1 Approved transfer classes worth fewer credits than the equivalent class can reduce the 15 credit requirement.

2 Approved transfer classes worth fewer credits than the equivalent class can reduce the 18 credit requirement.

Prerequisites for 300-400 level business courses:

- Major declared and accepted;
- Completion of a minimum of 54 credits;
- Minimum overall GPA of 2.00 (calculated with and without transfer grades);
- Be within 12 or fewer credits of completing general education requirements.

Requirements for the Marketing Major

Code	Title	Credits
Common Fundamental, Preparation, and Core Courses		**48**
Required Marketing Courses		
MKT 354	Marketing Research	3
MKT 355	Buyer Behavior	3
Select a Concentration		**12**
Total Credits		**66**

1 Approved transfer classes worth fewer credits than the equivalent class can reduce the 15 credit requirement.

2 Approved transfer classes worth fewer credits than the equivalent class can reduce the 18 credit requirement.

Marketing Concentrations

Code	Title	Credits
Business to Business Sales and Marketing Concentration		
Required Courses		
MKT 458	Personal Selling	3
MKT 467	Selling of Financial Services	3
MKT 469	Advanced Personal Selling	3
Select one Course:		*3*
BUS 427	Introduction to Supply Chain Management	
MKT 358	Promotions Management	
MKT 450	Social Media Marketing	
MKT 453	Advanced Digital and Social Media Marketing	
MKT 490	Special Topics in Marketing	
MKT 494	Internship	
Total Credits		**12**

Code	Title	Credits
Business to Consumer and Digital Marketing Concentration		
Required Courses		
MKT 358	Promotions Management	3
MKT 450	Social Media Marketing	3
MKT 453	Advanced Digital and Social Media Marketing	3
Select one course:		*3*
BUS 432	Services Management	
MKT 353	Internet Marketing [1]	
MKT 458	Personal Selling	
MKT 467	Selling of Financial Services	
MKT 469	Advanced Personal Selling	
MKT 490	Special Topics in Marketing	
MKT 494	Internship	
Total Credits		**12**

1 MKT 353 recommended.

Code	Title	Credits
General Marketing Concentration		
Required Courses		
MKT 358	Promotions Management	3
MKT 450	Social Media Marketing	3
MKT 458	Personal Selling	3
Select one course:		*3*
BUS 427	Introduction to Supply Chain Management	
MKT 453	Advanced Digital and Social Media Marketing	
MKT 467	Selling of Financial Services	
MKT 469	Advanced Personal Selling	
MKT 490	Special Topics in Marketing	
MKT 494	Internship	
Total Credits		**12**

General University Degree Requirements (Bachelor's Degree)

In addition to individual program requirements, students must also fulfill the following requirements:

Requirement	Credits
Skills	7-8
General Education	36
Foreign Language**	6-8
Ethnic Diversity	3
Total	52-55

** Transfer students in sustainable management, and health information management and technology collaborative, online degree-completion programs, the business management online degree-completion program, and the flexible option degree-completion program will be exempt from the university's foreign language requirement. See appropriate academic section for further information.

Skills Requirement (p. 13)

Code	Title	Credits
Reading and Writing		
ENGL 101	Composition and Reading	3
Computational Skills		
Select one of the following:		4-5
MATH 102	Quantitative Reasoning	
MATH 103	Elementary Statistics	
MATH 104	College Mathematics with Applications	
MATH 111	College Algebra I	
Total Credits		**7-8**

General Education (p. 13)

- General Education Course List (p. 157)

Foreign Language (p. 13)

Ethnic Diversity (p. 13)

Degree Requirements

Requirement	Credits
Minimum Total Credits	120
Upper Level Credits (300 level or above)	36
Residency	30

Cumulative Degree GPA: 2.0 minimum

Business Management Minor

Department website (https://www.uwp.edu/learn/programs/businessmanagementminor.cfm)

College: College of Business, Economics, and Computing

The business management minor includes fundamental and business preparation courses (15 credits) and upper-level foundation courses (15 credits). For students who are planning on pursuing a M.B.A. at UW-Parkside completion of the business minor can fulfill the M.B.A. foundation courses. To declare a minor in business management, students must submit a plan declaration to the Advising and Career Center or the Business Department office.

Program-Specific Policies

A business management minor is not available to students majoring in any major in the business department (accounting, business management, management information systems or marketing).

Requirements for the Business Management Minor

Code	Title	Credits
Fundamental Preparation Courses [1]		
ECON 120	Principles of Microeconomics	3
ECON 121	Principles of Macroeconomics	3
QM 110	Applied Quantitative Analysis in Business	3
Business Preparation Courses [1]		
ACCT 201	Financial Accounting	3
QM 210	Business Statistics I	3
Business Foundation Core Courses		
QM 319	Operations Management	3
FIN 330	Managerial Finance	3
MKT 350	Marketing Principles	3
MGT 349	Organizational Behavior	3
MIS 320	Management Information Systems	3
Total Credits		**30**

[1] Approved transfer classes that transfer with fewer than the specified credits above may reduce the total credit requirement.

University Requirements for Minors

Course work in the minor must be completed with the minimum GPA as specified by the department or program under which the minor falls, usually a 2.00 on a 4.00 scale, but higher in some programs. Transfer students must attain the minimum specified GPA on a combination of transfer credits accepted toward the minor and credits attempted at UW-Parkside.

At least half of the course work required for a minor must be completed at UW-Parkside.

Management Information Systems Minor

Department website (https://www.uwp.edu/learn/programs/misminor.cfm)

College: College of Business, Economics, and Computing

The MIS minor consists of a sequence of courses that impart fundamental knowledge and skills in the MIS field. Although not as in-depth as the MIS major, the MIS minor provides a useful compliment to many majors.

The MIS minor requires 15-16 credits divided into the following categories: business requirement, programming requirement, and MIS requirements.

To declare a minor in MIS, students must submit a plan declaration form to the Advising and Career Center or the Business Department office (Molinaro Hall 344).

Requirements for the Management Information Systems Minor

To earn the MIS minor students must have a minimum overall GPA of 2.00 (including any transfer credits) and a minimum GPA of 2.50 in the required courses.

Code	Title	Credits
Required Business Course		
BUS 100	Introduction to Business	3
or ACCT 201	Financial Accounting	
Required Programming Course		
MIS 221	Business Programming I	3-5
or CSCI 241	Computer Science I	
Required MIS Courses		
MIS 327	Cloud Computing in Business	3
MIS 328	Database Management Systems	3
MIS 425	Systems Analysis and Design	3
Total Credits		**15-17**

University Requirements for Minors

Course work in the minor must be completed with the minimum GPA as specified by the department or program under which the minor falls, usually a 2.00 on a 4.00 scale, but higher in some programs. Transfer students must attain the minimum specified GPA on a combination of transfer credits accepted toward the minor and credits attempted at UW-Parkside.

At least half of the course work required for a minor must be completed at UW-Parkside.

Project Management Certificate

Department website (https://www.uwp.edu/learn/programs/projectmanagement.cfm)

College: College of Business, Economics, and Computing

The Business Department offers an online certificate in project management that is available to undergraduate business and non-business majors as well as non-degree seeking students.

Requirements for the Project Management Certificate

To be eligible for this certificate program, the student must meet at least one of the following requirements:

- 54 credits earned at UW-Parkside or another college/university
- An undergraduate degree
- Five years of business experience, preferably at mid-level management or above or at an entrepreneurial firm
- Associate degree and two years of business experience, preferably at mid-level management or above or at an entrepreneurial firm

A minimum of a 2.0 cumulative GPA in required courses is required to earn the certificate.

Code	Title	Credits
Required Courses		
PMGT 341	Basics of Project Management	3
PMGT 342	Essential Personal Skills For Project Management	3
PMGT 441	Advanced Project Management Tools and Techniques	3
PMGT 442	Project Management Simulation	3
Total Credits		**12**

The project management certificate program is also available in the flexible option format. Please see the Flexible Option section of the catalog for information.

University Requirements for Undergraduate Certificates

Course work in a certificate must be completed with a minimum 2.00 GPA. Departments or programs may require a higher GPA.

A minimum of 9 credits in a certificate program must be taken at UW-Parkside. Individual departments and programs may require more than 9 credits to be taken at UW-Parkside.

Sales Certificate

Department website (https://www.uwp.edu/learn/programs/sales-certificate.cfm)

College: College of Business, Economics, and Computing

The Business Department offers a certificate in sales that is available to undergraduate business and non-business majors as well as non-degree seeking students.

This certificate program is accredited by the Sales Education Foundation (SEF).

Requirements for the Sales Certificate

To be eligible for admission to this certificate program, the student must meet at least one of the following requirements:

- 54 credits earned at UW-Parkside or another college/university;
- An undergraduate degree;
- Five years of business experience, preferably at mid-level management or above or at an entrepreneurial firm;
- Associate degree and two years of business experience, preferably at mid-level management or above or at an entrepreneurial firm.

A minimum of a 2.0 cumulative GPA in required courses is required to earn the certificate.

Code	Title	Credits
Required Courses		
MKT 350	Marketing Principles	3
MKT 467	Selling of Financial Services	3

MKT 458	Personal Selling	3
MKT 469	Advanced Personal Selling	3
Total Credits		**12**

University Requirements for Undergraduate Certificates

Course work in a certificate must be completed with a minimum 2.00 GPA. Departments or programs may require a higher GPA.

A minimum of 9 credits in a certificate program must be taken at UW-Parkside. Individual departments and programs may require more than 9 credits to be taken at UW-Parkside.

Supply Chain Management, Logistics, and Analytics Certificate

College: College of Business, Economics, and Computing

The local community has seen a rapid rise in logistics and warehousing-related industries and jobs. Furthermore, the regional Chicago-Milwaukee area, along with national trends, highlights the increased attention and growth in the area of supply chain management. Owing to this, businesses and corporate executives are looking to formalize and enhance their knowledge in the area of SCM. The proposed undergraduate certificate in Supply Chain Management, Logistics, and Analytics (SCMLA) reconciles these interests and aims to deliver fundamental foundational education in the area of SCM. Furthermore, it explores cutting-edge concepts such as supply chain finance, using analytics in SCM and the intricacies of global buyer-supplier relationships.

The undergraduate certificate in Supply Chain Management, Logistics, and Analytics (SCMLA) is being offered through the undergraduate business degree SCMLA concentration and will include existing courses from the undergraduate program. This certificate differs from the graduate-level Supply Chain Management (SCM) certificate in terms of the expected level of knowledge, experience, and level of problem-solving. The courses and textbooks used are different at the undergraduate and graduate levels.

Program Learning Outcomes

1. Demonstrate understanding of core supply chain concepts and terminologies.
2. Examine and apply various procurement, inventory management, and logistics related strategies in supply chains.
3. Resolve various supply chain challenges through quantitative (data analysis) and qualitative approaches.

For admission to the SCMLA certificate, students must meet one of the following criteria:

- Earned 54 credits at UW-Parkside or another college/university
- An undergraduate degree in any discipline
- Associate degree and two years of business experience, preferably at mid-level management or above or at an entrepreneurial firm.
- Five years of business experience, preferably in mid-level management or above or at an entrepreneurial firm.

A minimum of a 2.5 average cumulative GPA is required in the courses used to earn the certificate.

For existing UW-Parkside students, the selected courses should be courses that are not counted as electives towards their existing major/concentration.

Students from non-business majors without prior knowledge of statistics are advised to complete QM110 or equivalent course before enrolling for the BUS 465 and BUS 467 certificate courses.

Code	Title	Credits
Select three of the following:		*9*
BUS 427	Introduction to Supply Chain Management	
BUS 465	Demand Supply Analytics: Distribution, Procurement, and Inventory Models	
BUS 466	Global Negotiations and Supplier Relations	
BUS 467	Managing Pricing, Risks and Finances in Supply Chains	
Total Credits		**9**

University Requirements for Undergraduate Certificates

Course work in a certificate must be completed with a minimum 2.00 GPA. Departments or programs may require a higher GPA.

A minimum of 9 credits in a certificate program must be taken at UW-Parkside. Individual departments and programs may require more than 9 credits to be taken at UW-Parkside.

Chemistry

Department website (https://www.uwp.edu/learn/departments/chemistry/)

College: College of Natural & Health Sciences

Professional Accreditations and Memberships:

The chemistry degree program is approved by the American Chemical Society. Students wishing to receive the ACS Certificate need to fulfill the requirements for the Professional Chemistry Concentration.

Student Organizations and Clubs:

Chemistry majors are encouraged to join the Chemistry Club.

Career Possibilities:

Chemistry graduates have an excellent placement rate. They enter graduate programs, medical school and pharmacy school and are qualified for employment in a wide variety of areas including agriculture, biotechnology, consulting, environmental control, consumer products, education, food science, forensics, geology, hazardous waste management, materials science, medicinal chemistry, petroleum, pharmaceuticals, polymers, sales and marketing, and water management. The UW-Parkside Advising and Career Center, the American Chemical Society and the Chemistry Club maintain information resources regarding careers in chemistry.

Department Overview

The Chemistry Department is in the College of Natural and Health Sciences. Faculty members possess Ph.D. degrees in analytical chemistry, biochemistry, organic chemistry and physical chemistry.

The major is comprised of five different concentrations, each uniquely tailored to specific professional goals. The Professional Concentration, as mentioned above, provides graduates with a Certificate of Completion by the American Chemical Society and is a premier concentration. The industrial concentration is for students seeking careers in chemical manufacturing and sales. For students with an interest in biochemistry, the pre-health professions concentration is designed to prepare students for professional schools while the biochemistry concentration serves students wanting to work in labs or those wishing to pursue graduate studies. Lastly, the general chemistry concentration is for those students who simply need a chemistry degree to satisfy employer expectations. Beginning in the first-year, students are exposed to and work with new instrumentation in the SCJ Integrated Science Lab. In addition, students are encouraged to participate in faculty-directed independent research projects. The chemistry major can be complemented with one of several related minors such as biological sciences, computer science, environmental studies, mathematics or physics.

The program also offers a traditional minor in chemistry and a pre-health professions minor. The traditional minor includes analytical lab skills where the pre-health professions minor includes biochemistry emphasis. A Certificate in Green Chemistry is also available for students wanting an introduction to the design of chemical products and processes that reduce the generation of hazardous waste.

Programs Offered

- Chemistry Major (BS) (p. 90)
- Chemistry for Pre-Health Professions Minor (p. 93)
- Chemistry Minor (p. 93)
- Green Chemistry Certificate (p. 93)

- Green Chemistry (AS) (p. 46)

Chemistry Major Concentrations

- General Chemistry
- Chemistry for Pre-Health Professions [Pre-Medical/Pharmacy]
- Biochemistry
- Industrial Chemistry
- Natural Products
- Professional Chemistry [ACS Approved]

Courses in Chemistry

CHEM 100 | The World of Chemistry | 3 cr

Introduces basic principles of chemistry including the composition of matter, measurement, nomenclature, calculations and reactions. Discusses current issues in science and technology and application of basic chemical principles to everyday life. Intended for non-science majors. Three-hour lecture.
Prerequisites: None.
Offered: Fall, Spring, Summer.
Meets: Natural Science: CHEM, Natural Science: CHEM, Natural Science: CHEM, Natural Science: CHEM, Natural Science: CHEM

CHEM 101 | General Chemistry I | 4 cr

Introduces fundamental principles of chemistry including atomic theory, periodic properties, energy, stoichiometry, nomenclature, bonding, Lewis structures, and aqueous solution chemistry. Four-hour lecture.
Prerequisites: MATH 111 or concurrent enrollment; or CHEM 100 with a C or better; and CHEM 103 or concurrent enrollment.
Offered: Fall, Spring.
Meets: Natural Science: CHEM, Natural Science: CHEM, Natural Science: CHEM, Natural Science: CHEM, Natural Science: CHEM

CHEM 102 | General Chemistry II | 4 cr

Covers fundamental principles of chemistry for science majors including topics in intermolecular forces and molecular properties, kinetics, thermodynamics, electrochemistry, chemical equilibrium and nuclear chemistry. Four-hour lecture.
Prerequisites: CHEM 101, CHEM 103, CHEM 104 or concurrent enrollment.
Offered: Fall, Spring, Summer.

CHEM 103 | General Chemistry Lab I | 1 cr

First semester lab sequence in general chemistry. Explores atomic and molecular properties, classification schemes for chemical reactions, aqueous solution chemistry, and calorimetry. Three-hour lab; lab fees.
Prerequisites: CHEM 101 or concurrent enrollment.
Offered: Fall, Spring.

CHEM 104 | General Chemistry Lab II | 1 cr

Explores through project-based learning, molecular modeling, kinetics, chemical equilibrium, acid-base chemistry, coordination chemistry, qualitative analysis through solubility and some quantitative analysis. Provides the second semester lab sequence in general chemistry. Three-hour lab. Requires lab fee.
Prerequisites: CHEM 103; CHEM 102 or concurrent enrollment.
Offered: Fall, Spring, Summer.

CHEM 115 | Chemical Science | 4 cr

Examines the fundamental principles of chemistry including the atomic nature of matter, chemical reactions, gases, solutions, acids and bases, and nuclear chemistry. Not open to students with credit in CHEM 102. May not be applied to the chemistry major. Requires lab fee. Three-hour lecture; three-hour lab.
Prerequisites: UW-Milwaukee math proficiency or UW-Parkside MATH 104 or MATH 111.
Offered: Fall.
Meets: Natural Science: CHEM, Natural Science: CHEM, Natural Science: CHEM, Natural Science: CHEM, Natural Science: CHEM

CHEM 155 | Chemistry Seminar: Careers, Safety and Literature | 3 cr

Introduces the technical disciplines of chemistry, the applied fields, and various career options. Develops chemical safety and information skills. Guest speakers are anticipated.
Prerequisites: CHEM 101; chemistry major; or consent of instructor.
Offered: Occasionally.

CHEM 206 | Quantitative Chemical Analysis | 5 cr

Introduces the evaluation of analytical data and reports associated with chemical analyses. Explores complex aqueous systems, and presents an overview of electoranalytical chemistry, chromatography and spectroscopy. Emphasizes spectroscopic and chromatographic laboratory techniques, and some thermal analyses. Two-hour lecture, one-hour discussion, six-hour lab. Requires lab fee.
Prerequisites: CHEM 102 and 104 with C or better in each; or consent of instructor.
Offered: Fall.

CHEM 210 | Introduction to Inorganic Chemistry | 3 cr
Covers the principles of the coordination chemistry of the transition metals. Emphasis on molecular orbital theory and its relevance to spectroscopy, magnetic properties, and reactivity of transition metal compounds. Discusses bioinorganic and organometallic chemistry as well as catalysis, the solid state, and relevant spectroscopic techniques.
Prerequisites: CHEM 102, CHEM 321 or concurrent; or consent of instructor.
Offered: Fall (even years).

CHEM 215 | Organic and Biochemistry | 4 cr
Explores organic chemistry and the structure and function of important biomolecules and energy metabolism. Not open to students with credit in CHEM 322 or BIOS 307. Lab fee. Three-hour lecture; two-hour lab.
Prerequisites: CHEM 102 and CHEM 104 or CHEM 114 or CHEM 115.
Offered: Spring.

CHEM 230 | Introduction to Green Chemistry | 2 cr
Studies the principles of green chemistry and their application to contemporary problems. The purpose of green chemistry is to protect and benefit the economy, people and the planet by finding creative and innovative ways to reduce waste, conserve energy, and discover replacements for hazardous substances. Two-hour lecture.
Prerequisites: CHEM 215 or CHEM 321 or concurrent registration in CHEM 321 or consent of instructor.
Offered: Occasionally.

CHEM 231 | Green Chemistry Lab | 2 cr
Illustrates the principles of green chemistry and their application to contemporary problems through laboratory experiments. Lab fee. Four-hour lab.
Prerequisites: CHEM 215 or CHEM 321 or concurrent registration in CHEM 321 or consent of instructor.
Offered: Occasionally.

CHEM 290 | Special Topics in Chemistry | 1-4 cr
Selected topics in chemistry. May repeat with different topic.
Prerequisites: Consent of instructor.
Offered: Occasionally.

CHEM 298 | Independent Study: Literature and/or Computational Research | 1-3 cr
Provides opportunity for individual projects involving literature research or computational studies conducted under the direct supervision and guidance of a staff member. Usually graded on credit/no-credit basis and not applied to GPA.
Prerequisites: Consent of instructor and department chair.
Offered: Fall, Spring, Summer.

CHEM 299 | Independent Study | 1-3 cr
Provides opportunity for research (experimental or theoretical projects) under the direct supervision and guidance of a regular staff member.
Prerequisites: CHEM 101 with C or better and consent of instructor, department chair.
Offered: Fall, Spring, Summer.

CHEM 302 | Physical Chemistry I | 4 cr
Examines thermodynamics and chemical kinetics. Includes spreadsheets and higher level programming for numerical analysis, electronic structure calculations, and molecular simulations. Three-hour lecture; three-hour lab.
Prerequisites: C or better in CHEM 206, MATH 221, and PHYS 202; or consent of instructor.
Offered: Fall.

CHEM 303 | Physical Chemistry II | 3 cr
Covers statistical mechanics, quantum mechanics, and spectroscopy.
Prerequisites: CHEM 302, PHYS 202; or consent of instructor.
Offered: Spring.

CHEM 304 | Physical Chemistry Lab I | 2 cr
Focuses on macroscopic phenomena experiments including physical properties of matter, kinetics, and thermodynamics. Four-hour lab. Lab fee.
Prerequisites: CHEM 302, PHYS 202; or consent of instructor.
Offered: Spring.

CHEM 306 | Chemical Instrumentation | 3 cr
Examines construction and principles of operation of modern instruments and their use in the chemistry laboratory. Three-hour lecture.
Prerequisites: C or better in CHEM 206; completion of PHYS 202 and CHEM 323; or consent of instructor.
Offered: Fall (even years).

CHEM 307 | Biochemical Metabolism | 3 cr
A study of the chemistry of biological systems, with emphasis on metabolism and macromolecular biosynthesis. Three-hour lecture. Cross-listed with: BIOS 307.
Prerequisites: CHEM 322 or consent of instructor.
Offered: Fall.

CHEM 308 | Biochemistry Laboratory | 2 cr
Familiarization with the use of scientific instruments and techniques, and developing proficiency in the process of scientific investigation. This course is appropriate for Chemistry majors who have completed CHEM 307 or 324. Four-hour lab.
Cross-listed with: BIOS 435.
Prerequisites: CHEM 322 and consent of instructor.
Offered: Fall, Spring.

CHEM 310 | Inorganic Chemistry | 3 cr
Addresses descriptive and synthetic inorganic chemistry; emphasizes chemical periodicity, coordination compounds, and inorganic reaction mechanisms. Three-hour lecture.
Prerequisites: CHEM 303 or concurrent registration.
Offered: Occasionally.

CHEM 321 | Organic Chemistry I | 4 cr
Studies aliphatic and aromatic compounds with emphasis on structure, reaction mechanisms, and synthesis. Introduces spectroscopy. Three-hour lecture; one-hour discussion.
Prerequisites: CHEM 102, CHEM 104; or CHEM 114.
Offered: Fall, Spring.

CHEM 322 | Organic Chemistry II | 4 cr
A continuation of CHEM 321. More extensive use of spectroscopy in the elucidation of structures and reaction mechanisms. The chemistry of functional groups, syntheses, and selected topics. Three-hour lecture; one-hour discussion.
Prerequisites: CHEM 321.
Offered: Fall, Spring.

CHEM 323 | Organic Chemistry Lab | 2 cr
Introduces the methodology, techniques, and procedures of organic chemistry, including basic principles of green chemistry, the use of chemical literature, and laboratory record keeping. Emphasizes the synthesis and spectroscopic characterization of organic compounds. Four-hour lab. Requires fees.
Prerequisites: CHEM 322 or concurrent registration or consent of instructor.
Offered: Fall, Spring, Summer.

CHEM 324 | Chemistry of Biological Systems | 3 cr
Structures, synthesis and characterization of biological molecules including proteins, carbohydrates, nucleic acids, and primary and secondary metabolites. Chemical mechanisms of biological reactions. Biochemical thermodynamics and kinetics. Three-hour lecture.
Prerequisites: CHEM 322.
Offered: Fall.

CHEM 335 | Clinical Chemistry I | 3 cr
Explores biological samples, analytes, and assays pertinent to the clinical laboratory. Includes electrolyte, carbohydrate, protein, lipid, vitamin, and mineral analytes and the techniques utilized to detect and quantify such materials. Cross-listed with: AHS 335.
Prerequisites: AHS 300, CHEM 215.
Offered: Fall.

CHEM 336 | Clinical Chemistry II | 3 cr
Investigates metabolism and diagnostic procedures for analysis of metabolism and human disease. Analyzes data for indicators of common pathophysiology and human disease markers. Lecture. Cross-listed with: AHS 336.
Prerequisites: AHS 335 or CHEM 335.
Offered: Fall.

CHEM 350 | Chemistry of Natural Products | 3 cr
Surveys natural product classification and biosynthesis, the role of secondary metabolites, synthetic natural product synthesis and the role of natural products in human life extension.
Prerequisites: CHEM 324.
Offered: Occasionally.

CHEM 355 | Survey of Industrial Chemistry | 3 cr
Covers industrial applications of chemistry including a survey of the chemical industry and its principal products, mass and energy balances as applied to chemical processes, and the comparative economics of chemical processes.
Prerequisites: CHEM 230 and CHEM 322; or consent of instructor.
Offered: Occasionally.

CHEM 390 | Special Topics in Chemistry | 1-3 cr
Selected topics in chemistry. May repeat with different topic.
Prerequisites: None.
Offered: Occasionally.

CHEM 398 | Independent Study: Literature and/or Computational Research | 1-3 cr
Provides opportunity for individual projects involving literature research or computational studies conducted under the direct supervision and guidance of a staff member. Usually graded on credit/no-credit basis and not applied to GPA.
Prerequisites: CHEM 298, or C or better in CHEM 206 or in CHEM 321; and consent of instructor and department chair.
Offered: Fall, Spring, Summer.

CHEM 400 | Instrumental Analysis Laboratory | 3 cr
Experiments in trace analysis utilizing electrochemical and optical methods as well as gas and liquid chromatography. Six-hour lab.
Prerequisites: CHEM 206 or CHEM 208 with a C or better (in either), or consent.
Offered: Spring.

CHEM 401 | Advanced Organic Laboratory | 3 cr
Advanced multi-step synthesis and characterization of organic and some inorganic compounds. Structure elucidation by classical and instrumental methods such as IR, NMR, GC/MS, and UV spectroscopy. Includes applications of the principles of green chemistry. Six-hour lab. Lab fee: $100.
Prerequisites: CHEM 322 and CHEM 323 with C or better (in both).
Offered: Fall.

CHEM 402 | Advanced Organic Chemistry | 3 cr
Investigates selected topics in mechanistic, theoretical, heterocyclic, and physical organic chemistry. Three-hour lecture.
Prerequisites: CHEM 322 with C or better.
Offered: Fall (odd years).

CHEM 410 | Advanced Biochemistry | 3 cr
Explores advanced topics in biochemistry including thermodynamics, protein structure, and enzyme kinetics and mechanisms. Three-hour lecture. Multi-career cross-listing: CHEM 620.
Prerequisites: CHEM307 or BIOS 307 or CHEM 324 or consent of instructor.
Offered: Spring (even years).

CHEM 450 | Current and Future Directions in Natural Products | 3 cr
Delves into historical, current and future methods in natural products identification, characterization, and production.
Prerequisites: CHEM 350.
Offered: Occasionally.

CHEM 490 | Special Topics in Chemistry | 1-3 cr
Selected topics in chemistry. May repeat with different topic.
Prerequisites: Consent of instructor.
Offered: Occasionally.

CHEM 494 | Internship in Chemistry | 1-3 cr
Work in a chemistry related position under the joint guidance of a faculty member and an on-site supervisor. Projects will specify learning goals and objectives related to the theory and application of modern chemistry. Usually graded on a credit/no credit basis. May be repeated for up to six credits.
Prerequisites: CHEM 206 or CHEM 208 or CHEM 323; GPA of 2.5 or higher and consent of instructor and department chair.
Offered: Fall, Spring.

CHEM 495 | Senior Seminar | 1 cr
Research and presentation of selected topics from chemical literature. One-hour discussion.
Prerequisites: Junior or senior standing.
Offered: Spring.

CHEM 497 | Senior Thesis | 1 cr
Thesis based on experimental work or literature search.
Prerequisites: Senior standing, chemistry major and consent of instructor.
Offered: Fall, Spring.

CHEM 499 | Independent Study | 1-3 cr
Provides opportunity for individual projects of an experimental or theoretical nature conducted under the direct supervision and guidance of a staff member. Usually credit/no-credit grading basis and not applied to GPA. Requires lab fee.
Prerequisites: C or better in one of: CHEM 206, CHEM 299 or CHEM 323; and consent of instructor and department chair.
Offered: Fall, Spring, Summer.

Chemistry Major (BS)

Department website (https://www.uwp.edu/learn/programs/chemistry.cfm)

College: College of Natural & Health Sciences

Preparation for Graduate School

Some graduate programs require that specific courses be taken for admission. Students considering graduate study should consult their advisor and the admissions office of the graduate program.

Program Learning Outcomes

1. Students develop a knowledge and understanding of chemistry and use it to communicate results from scientific studies in formats suitable to the profession. Students will evaluate literature and other information relevant to their work, summarize information in tables and graphs, write effective reports and give effective oral presentations.
2. Students perform and evaluate scientific experiments and studies in the field of chemistry. Students will perform experiments using accepted laboratory practices, evaluate results in the context of relevant scientific principles, and propose appropriate future directions for the study based upon the findings.
3. Students act as socially responsible members of the profession. Students will demonstrate concern for the health and safety of others by using proper safety protocols, apply chemical principles to everyday life, and treat each other with respect.

Program-Specific Policies

Redundant Courses

Credits earned in courses which in large part duplicate the content of any of those listed above cannot be applied toward the major or used in computing the GPA for the major.

Honors in Chemistry

To be eligible for a B.S. with honors in chemistry, a chemistry major must attain a GPA of 3.25 or better in all chemistry courses taken and complete a senior thesis (CHEM 497 Senior Thesis) and defend it before a committee of three faculty members, at least two of whom are from chemistry. In addition, an overall GPA of at least 3.00 must be attained.

Requirements for the Chemistry Major

At least 15 credits of upper-level courses in the major must be completed at UW-Parkside. Chemistry majors must have a minimum GPA of 2.50 in all courses required for the major, including math and physics. The following courses are required of all chemistry majors. Students are expected to pay attention to required prerequisites and then follow the additional requirements associated with their specific concentration. Undergraduate research is strongly encouraged.

Code	Title	Credits
College of Natural and Health Sciences requirement		
New entering students, and transfer students with less than 30 college credits, choosing a major in the College of Natural and Health Sciences are required to take this course.		
UWP 101	First Year Seminar: Natural and Health Sciences	1
Required Introductory Chemistry Courses		
CHEM 101	General Chemistry I	4
CHEM 102	General Chemistry II	4
CHEM 103	General Chemistry Lab I	1
CHEM 104	General Chemistry Lab II	1
Required Introductory Chemistry Courses Subtotal		11
Required Chemistry Courses		
CHEM 155	Chemistry Seminar: Careers, Safety and Literature	3
CHEM 206	Quantitative Chemical Analysis	5
CHEM 302	Physical Chemistry I	4
CHEM 321	Organic Chemistry I	4
CHEM 322	Organic Chemistry II	4
CHEM 323	Organic Chemistry Lab	2
Required Chemistry Courses Subtotal		22
Required Courses in Mathematics		
MATH 221	Calculus and Analytic Geometry I	5
MATH 222	Calculus and Analytic Geometry II	5
Required Courses in Mathematics Subtotal		10
Capstone Requirement		
CHEM 495	Senior Seminar	1
or CHEM 497	Senior Thesis	
Capstone Requirement Subtotal		1
Concentration Options		
Choose one option		31-62
Concentration Options Subtotal		31-62
Total Credits		**75-106**

Concentration Options

General Chemistry Concentration

Students completing this concentration are equipped with essential foundational knowledge and skills for many entry level positions and to consider a career in secondary education. This concentration is also ideal for students who are already employed in the field and need a degree to increase their career options. Students who complete this concentration are also eligible for a certificate in green chemistry. It is the responsibility of the student to declare the certificate, it is not automatically awarded.

Code	Title	Credits
Required Chemistry Courses		
CHEM 210	Introduction to Inorganic Chemistry	3
CHEM 230	Introduction to Green Chemistry	2
CHEM 303	Physical Chemistry II	3
CHEM 304	Physical Chemistry Lab I	2
CHEM 308	Biochemistry Laboratory	2
CHEM 324	Chemistry of Biological Systems	3
CHEM 400	Instrumental Analysis Laboratory	3
Required Chemistry Courses Subtotal		18
Elective Chemistry Course		
Select one of the following:		3
CHEM 306	Chemical Instrumentation	
CHEM 402	Advanced Organic Chemistry	
CHEM 410	Advanced Biochemistry	
Elective Chemistry Course Subtotal		3
Required Physics Courses		
PHYS 201	General Physics I	5

PHYS 202	General Physics II	5
Required Physics Courses Subtotal		10
Total Credits		**31**

Chemistry for Pre-Health Professions Concentration [Pre-Medical/ Pharmacy]

This curriculum is specifically designed for students continuing into professional health schools. Students who complete this concentration are also eligible for a minor in biological sciences. It is the responsibility of the student to declare this minor, it is not automatically awarded.

Code	Title	Credits
Essential Preparatory Courses		
COMM 105	Public Speaking for the 21st Century	3
ECON 120	Principles of Microeconomics	3
ENGL 167	Introduction to Literature	3
PSYC 101	Introduction to Psychological Science	3
SOCA 101	Introduction to Sociology	3
Essential Preparatory Courses Subtotal		15
Required Biological Sciences Courses		
BIOS 101	Bioscience	4
BIOS 102	Organismal Biology	4
BIOS 210	Biostatistics	4
BIOS 260	General Genetics	4
BIOS 303	Microbiology	4
BIOS 341	Mammalian Physiology	3
Required Biological Sciences Courses Subtotal		23
Required Chemistry Courses		
CHEM 303	Physical Chemistry II	3
CHEM 304	Physical Chemistry Lab I	2
CHEM/BIOS 307	Biochemical Metabolism	3
CHEM 324	Chemistry of Biological Systems	3
CHEM 400	Instrumental Analysis Laboratory	3
Required Chemistry Courses Subtotal		14
Required Physics Courses		
PHYS 201	General Physics I	5
PHYS 202	General Physics II	5
Required Physics Courses Subtotal		10
Total Credits		**62**

Biochemistry Concentration

The biochemistry concentration provides additional laboratory experience compared to the pre-health professions concentration and is best suited to students continuing in graduate schools with a specific interest in drug design, medicinal chemistry and toxicology. Students who complete this concentration are also eligible for a minor in biological sciences. It is the responsibility of the student to declare this minor, it is not automatically awarded.

Code	Title	Credits
Required Biological Sciences Courses		
BIOS 101	Bioscience	4
BIOS 102	Organismal Biology	4
BIOS 210	Biostatistics	4
BIOS 260	General Genetics	4
BIOS 309	Molecular Biology	3
Required Biological Sciences Courses Subtotal		19
Elective in Biological Sciences		
BIOS 453	Molecular Biology and Bioinformatics of Nucleic Acids	4
or BIOS 455	Protein Biochemistry and Bioinformatics	
Elective in Biological Sciences Subtotal		4
Required Chemistry Courses		
CHEM 303	Physical Chemistry II	3
CHEM 304	Physical Chemistry Lab I	2
CHEM/BIOS 307	Biochemical Metabolism	3
CHEM 308	Biochemistry Laboratory	2
CHEM 324	Chemistry of Biological Systems	3
CHEM 400	Instrumental Analysis Laboratory	3
CHEM 410	Advanced Biochemistry	3
Required Chemistry Courses Subtotal		19
Required Physics Courses		
PHYS 201	General Physics I	5
PHYS 202	General Physics II	5
Required Physics Courses Subtotal		10
Total Credits		**52**

Industrial Chemistry Concentration

The industrial chemistry concentration equips students for non-laboratory intensive career in the chemical industry including product development, business development, sales, marketing research, technical service and manufacturing. These positions are at the interface between product development and applications. Students who complete this concentration are also eligible for the certificate in green chemistry, but it is the responsibility of the student to declare the certificate.

Code	Title	Credits
Required Business and Economics Courses		
ACCT 201	Financial Accounting	3
ACCT 202	Managerial Accounting	3
ECON 120	Principles of Microeconomics	3
ECON 121	Principles of Macroeconomics	3
FIN 330	Managerial Finance	3
MGT 349	Organizational Behavior	3
MKT 350	Marketing Principles	3
QM 210	Business Statistics I	3
Elective in management and/or marketing		3
Required Business and Economics Courses Subtotal		27
Required Chemistry Courses		
CHEM 210	Introduction to Inorganic Chemistry	3
CHEM 230	Introduction to Green Chemistry	2
CHEM 355	Survey of Industrial Chemistry	3
CHEM 494	Internship in Chemistry	1
Required Chemistry Courses Subtotal		9
In-Depth Elective Chemistry Course Sequence		
Choose one sequence:		5-6
Physical		
CHEM 303	Physical Chemistry II	
CHEM 304	Physical Chemistry Lab I	
Analytical		

CHEM 306	Chemical Instrumentation	
CHEM 400	Instrumental Analysis Laboratory	
Biochemistry		
CHEM/BIOS 307	Biochemical Metabolism	
or CHEM 324	Chemistry of Biological Systems	
CHEM 410	Advanced Biochemistry	
Organic		
CHEM 401	Advanced Organic Laboratory	
CHEM 402	Advanced Organic Chemistry	
In-Depth Elective Chemistry Course Sequence Subtotal		5-6
Required Physics Courses		
PHYS 105	College Physics I [1]	5
PHYS 106	College Physics II [1]	5
Required Physics Courses Subtotal		10
Total Credits		**51-52**

[1] Students may use PHYS 201 General Physics I and PHYS 202 General Physics II in place of PHYS 105 College Physics I and PHYS 106 College Physics II.

Natural Products Concentration

Natural products have had a major impact on chemistry, chemical biology and drug discovery and have been part of medical remedies since ancient times. The structural diversity of organic molecules produced in nature is matched only by the range of their biological activities and applications. Natural products represent an important source of leads for medicinal chemistry, and drugs developed from natural products are used for the treatment of cancer, cardiovascular diseases, as well as bacterial, viral and fungal infections. Students completing this concentration will be able to describe the biological activities of secondary metabolites, and develop and verify analytical methods for the extraction and analysis of active ingredients in natural products.

Code	Title	Credits
Required Chemistry Courses		
CHEM 306	Chemical Instrumentation	3
CHEM 324	Chemistry of Biological Systems	3
CHEM 350	Chemistry of Natural Products	3
CHEM 400	Instrumental Analysis Laboratory	3
CHEM 450	Current and Future Directions in Natural Products	3
Required Chemistry Courses Subtotal		15
Elective Chemistry Core		
Select three credits of the following:		3
Any combination of the following accepted but content must be related to Natural Products and suitable for capstone requirement.		
CHEM 494	Internship in Chemistry	
CHEM 499	Independent Study	
Elective Chemistry Core Subtotal		3
Required Biological Sciences Courses		
BIOS 101	Bioscience	4
BIOS 102	Organismal Biology	4
BIOS 324	Botany	4
BIOS 344	Plant Physiology	3
Required Biological Sciences Courses Subtotal		15
Required Physics Courses		
PHYS 105	College Physics I	5
PHYS 106	College Physics II	5
Required Physics Courses Subtotal		10
Capstone Chemistry Requirement		
CHEM 497	Senior Thesis	1
Capstone Chemistry Requirement Subtotal		1
Total Credits		**44**

Professional Chemistry Concentration [ACS Approved]

This concentration is approved by the American Chemical Society (ACS). Students who complete this concentration are registered with the ACS and have the certification recorded on their official University credentials. Participation in undergraduate research, independent study, is strongly encouraged. This concentration is also the premier choice for students planning to pursue graduate studies.

Code	Title	Credits
Required Chemistry Courses		
CHEM 210	Introduction to Inorganic Chemistry	3
CHEM 303	Physical Chemistry II	3
CHEM 304	Physical Chemistry Lab I	2
CHEM 308	Biochemistry Laboratory	2
CHEM 324	Chemistry of Biological Systems	3
CHEM 400	Instrumental Analysis Laboratory	3
CHEM 401	Advanced Organic Laboratory	3
Required Chemistry Courses Subtotal		19
Elective Chemistry Course		
Select one of the following:		3
CHEM 306	Chemical Instrumentation	
CHEM 402	Advanced Organic Chemistry	
CHEM 410	Advanced Biochemistry	
Elective Chemistry Course Subtotal		3
Required Physics Courses		
PHYS 201	General Physics I	5
PHYS 202	General Physics II	5
Required Physics Courses Subtotal		10
Total Credits		**32**

General University Degree Requirements (Bachelor's Degree)

In addition to individual program requirements, students must also fulfill the following requirements:

Requirement	Credits
Skills	7-8
General Education	36
Foreign Language**	6-8
Ethnic Diversity	3
Total	52-55

** Transfer students in sustainable management, and health information management and technology collaborative, online degree-completion programs, the business management online degree-completion program, and the flexible option degree-completion program will be exempt from

the university's foreign language requirement. See appropriate academic section for further information.

Skills Requirement (p. 13)

Code	Title	Credits
Reading and Writing		
ENGL 101	Composition and Reading	3
Computational Skills		
Select one of the following:		4-5
MATH 102	Quantitative Reasoning	
MATH 103	Elementary Statistics	
MATH 104	College Mathematics with Applications	
MATH 111	College Algebra I	
Total Credits		**7-8**

General Education (p. 13)

- General Education Course List (p. 157)

Foreign Language (p. 13)

Ethnic Diversity (p. 13)

Degree Requirements

Requirement	Credits
Minimum Total Credits	120
Upper Level Credits (300 level or above)	36
Residency	30

Cumulative Degree GPA: 2.0 minimum

Chemistry for Pre-Health Professions Minor

College: College of Natural & Health Sciences

The pre-health professions minor is aimed at students, majoring in other disciplines, who desire a career in health related professions.

Requirements for the Chemistry for Pre-Health Professions Minor [Premed/Pharmacy]

For either minor, students must attain a GPA of at least 2.00 in all the required courses.

Code	Title	Credits
CHEM 101	General Chemistry I	4
CHEM 102	General Chemistry II	4
CHEM 103	General Chemistry Lab I	1
CHEM 104	General Chemistry Lab II	1
CHEM 321	Organic Chemistry I	4
CHEM 322	Organic Chemistry II	4
CHEM 323	Organic Chemistry Lab	2
CHEM 324	Chemistry of Biological Systems	3
Total Credits		**23**

University Requirements for Minors

Course work in the minor must be completed with the minimum GPA as specified by the department or program under which the minor falls, usually a 2.00 on a 4.00 scale, but higher in some programs. Transfer students must attain the minimum specified GPA on a combination of transfer credits accepted toward the minor and credits attempted at UW-Parkside.

At least half of the course work required for a minor must be completed at UW-Parkside.

Chemistry Minor

Department website (https://www.uwp.edu/learn/programs/chemistrymonior.cfm)

College: College of Natural & Health Sciences

The general chemistry minor is designed to complement majors in the natural and life sciences whose graduates seek entry level scientist positions or those planning to continue in laboratory based graduate programs.

Requirements for the Chemistry Minor (General)

For either minor, students must attain a GPA of at least 2.00 in all the required courses.

Code	Title	Credits
CHEM 101	General Chemistry I	4
CHEM 102	General Chemistry II	4
CHEM 103	General Chemistry Lab I	1
CHEM 104	General Chemistry Lab II	1
CHEM 206	Quantitative Chemical Analysis	5
CHEM 321	Organic Chemistry I	4
CHEM 322	Organic Chemistry II	4
CHEM 323	Organic Chemistry Lab	2
Total Credits		**25**

University Requirements for Minors

Course work in the minor must be completed with the minimum GPA as specified by the department or program under which the minor falls, usually a 2.00 on a 4.00 scale, but higher in some programs. Transfer students must attain the minimum specified GPA on a combination of transfer credits accepted toward the minor and credits attempted at UW-Parkside.

At least half of the course work required for a minor must be completed at UW-Parkside.

Green Chemistry Certificate

Department website (https://www.uwp.edu/learn/programs/greenchemistry.cfm)

College: College of Natural & Health Sciences

The green chemistry certificate provides students with a theoretical and practical working knowledge of the principles of green chemistry and would be an excellent choice for students with an interest in industrial careers. There are two options to earning the certificate.

Requirements for the Green Chemistry Certificate

Choose one option:

Option One

Code	Title	Credits
Required Courses		
CHEM 101	General Chemistry I	4
CHEM 102	General Chemistry II	4
CHEM 103	General Chemistry Lab I	1
CHEM 104	General Chemistry Lab II	1
CHEM 230	Introduction to Green Chemistry	2
CHEM 321	Organic Chemistry I	4
Elective Course(s)		
Select one of the following:		2-7
CHEM 231	Green Chemistry Lab	
CHEM 322 & CHEM 323	Organic Chemistry II and Organic Chemistry Lab	
Total Credits		**18-23**

Option Two

Code	Title	Credits
CHEM 115	Chemical Science	4
CHEM 215	Organic and Biochemistry	4
CHEM 230	Introduction to Green Chemistry	2
CHEM 231	Green Chemistry Lab	2
Total Credits		**12**

University Requirements for Undergraduate Certificates

Course work in a certificate must be completed with a minimum 2.00 GPA. Departments or programs may require a higher GPA.

A minimum of 9 credits in a certificate program must be taken at UW-Parkside. Individual departments and programs may require more than 9 credits to be taken at UW-Parkside.

Communication

Department website (https://www.uwp.edu/learn/departments/communication/)

College: College of Arts & Humanities

Department Overview

Communication is a degree for the 21st century. Studies indicate that, in the future, students will be hired for jobs that currently do not exist. How, then, should students prepare for their future? The communication major and minor prepares students for a complex and dynamic future by teaching them how to question, problem-solve, collaborate, and communicate effectively with a diversity of people in multiple situations.

Communication affects our lives in multiple ways. It can be thought of as the way we construct knowledge and meaning through human interaction – whether face-to-face or mediated. At another level, it is the process through which we continually negotiate the meaning and purpose of our lives. At no level is this process transparent or innocent. Rather, it is influenced by the various ways in which we identify ourselves as individuals or as part of a group. The communication department believes that:

- a theoretical understanding of these processes as well as the ability to apply that understanding to real-life, unscripted situations are critical,
- effective communication skills – speaking, writing, listening, resolving conflicts, and interacting across and within different cultures – are critical in any situation where at least two people are engaged in a relationship, and
- in an increasingly global society with dynamic and emerging technologies, the ability to communicate with digital and social media is equally important.

The 21st century needs competent communicators.

Program Objectives

The Communication Department's goal is to cultivate ethical communicators who are competent in the following areas:

Identity – performing excellent written, oral, and nonverbal communication interpersonally and professionally, in order to strengthen their ability to understand self and others.

Diversity – integrating race, class, gender, sexuality and other forms of difference in his/her personal and professional communication.

Messages – creating, critiquing, and interpreting messages in oral, written, digital, and visual formats.

Roles – adapting and performing his/her oral, written, and/or nonverbal behavior in consideration of multiple contexts.

Knowledge – analyzing beliefs, values, and assumptions in personal and professional life.

Research – asking and answering meaningful questions using multiple methods and rigorous criteria.

These learning goals are integrated throughout the communication curriculum. Each class focuses on one or more of these areas. The general communication major (48 credits) can be tailored to each student's personal and professional interests. Faculty advisors work individually with students to map out course schedules through graduation, and also provide career and graduate school advising. The department offers four communication minors available for majors and non-majors: digital media and production (21-24 credits), health communication (20-26 credits), organizational communication (18 credits), and public relations (18 credits). Non-majors also have the option of enrolling in the communication minor (18 credits). There are also four certificate programs that are open to all students, including communication majors and minors: the conflict analysis & resolution certificate (12 credits), the digital media and production certification (16

credits), digital and media literacy certificate (15 credits), and the health communication certificate (15-20 credits).

Internships

Communication majors and minors are encouraged to enroll in a paid or unpaid internship to gain experience in a professional setting. Internships are valuable for resume building, application of theoretical knowledge to hands-on experience, exploring possible career opportunities, establishing professional contacts, and networking outside and within the university. A maximum of 3 internship credits earned through enrollment in COMM 494 Communication Internship may be counted toward the major. An internship may be repeated for a maximum of 9 credits. For advising on how to obtain an internship, students should meet with the department internship advisor.

Student Honor Society

Lambda Pi Eta (LPH) is the national communication honor society for undergraduates. Students who are declared majors with at least 60 credits, a cumulative GPA of 3.00 or higher, have completed at least 12 credits in the major, and have a major GPA of 3.25 or higher are eligible. LPH members receive a gold cord to wear at graduation.

Campus Organizations

Communication students are encouraged to gain leadership and professional experience through UW-Parkside campus organizations, including Ranger News (newspaper) and WIPZ (FM & Internet Radio). In the past, communication majors and minors have filled leadership positions in Parkside Student Government and other student organizations.

Department Policy on Collaboration and Academic Honesty

The communication department strongly encourages our students to engage in conversation and collaboration with our faculty, each other, and other members of the academic community. These kinds of exchanges are at the heart of teaching and learning. As part of this process, it is essential that students fully disclose and credit the sources used in their work. All work that is not originally created by the author should be credited, including (but not limited to) others' ideas, language, images, art, digital recordings, and projects. The intentional or unintentional use of another's work, or one's own previous work, without the accurate and full citation of the source, constitutes plagiarism. Penalties for documented cases of plagiarism may include a grade reduction, or failing a course. All documented cases of plagiarism in the communication department will be filed with the department chair or her designee. A student who commits two or more acts of plagiarism in one or more communication courses will have their case reviewed by the department's executive committee. If a case is confirmed as constituting serious breaches of academic honesty, the committee may decide to formally drop the student from the communication major.

Programs Offered

- Communication Major (BA) (p. 98)
- Communication Minor (p. 100)
- Digital Media and Production Minor (p. 100)
- Organizational Communication Minor (p. 101)
- Public Relations Minor (p. 101)
- Sports Communication Minor (p. 102)
- Digital Media and Production Certificate (p. 102)

Courses in Communication

COMM 105 | Public Speaking for the 21st Century | 3 cr
Develops professional speaking and presentation skills in live and virtual contexts. Explores methods of persuasion, argumentation, and organization in virtual and physical speaking contexts.
Prerequisites: None.
Offered: Fall, Spring, Summer.
Meets: Humanities and the Arts: COMM, Humanities and the Arts: COMM, Humanities and the Arts: COMM, Humanities and the Arts: COMM, Humanities and the Arts: COMM

COMM 107 | Communication and the Human Condition | 3 cr
Examines social aspects of human life, including a strong focus on how identify, culture and social relationships are managed in interaction. Includes an introduction to how language constructs a version of the world in interaction. Must earn a grade of C or better for credit toward communication major.
Prerequisites: None.
Offered: Fall, Spring.
Meets: Social & Behavioral Science: COMM, Ethnic Diversity, Social & Behavioral Science: COMM, Ethnic Diversity, Social & Behavioral Science: COMM, Ethnic Diversity, Social & Behavioral Science: COMM, Ethnic Diversity, Social & Behavioral Science: COMM, Ethnic Diversity

COMM 108 | Media and Society | 3 cr
Explores digital, broadcast and print media in the context of contemporary life. Must earn a grade of C or better for credit toward the major.
Prerequisites: None.
Offered: Fall, Spring.
Meets: Social & Behavioral Science: COMM, Social & Behavioral Science: COMM, Social & Behavioral Science: COMM, Social & Behavioral Science: COMM, Social & Behavioral Science: COMM

COMM 168 | Introduction to Visual and Digital Communication | 3 cr
Introduces visual communication through visual imagery and digital media. Explores the concepts, theories, aesthetics and skills of visual communication, covering visual persuasion, photography, design, cultural and ethical issues, visualization of ideas, and others.
Prerequisites: None.
Offered: Fall, Spring.
Meets: Humanities and the Arts: COMM, Humanities and the Arts: COMM, Humanities and the Arts: COMM, Humanities and the Arts: COMM, Humanities and the Arts: COMM

COMM 205 | Oral Interpretation | 3 cr
Provides experience performing literature in front of a live audience or on video for online audiences. Emphasizes the improvement of oral expression, enhanced vocabulary, inflection, delivery, and engaging an audience while reading text.
Prerequisites: None.
Offered: Fall, Spring.
Meets: Humanities and the Arts: COMM, Humanities and the Arts: COMM, Humanities and the Arts: COMM, Humanities and the Arts: COMM, Humanities and the Arts: COMM

COMM 207 | Introduction to the Communication Discipline (Part I) | 3 cr
Introduces the communication discipline as a community of practice. Emphasizes the practical uses of contemporary communication theory and research to solve problems.
Prerequisites: None.
Offered: Fall.

COMM 208 | Introduction to the Communication Discipline (Part 2) | 3 cr
Develops student's professional identities as practitioners of communication research.
Prerequisites: COMM 107, COMM 108 and COMM 207.
Offered: Fall, Spring.

COMM 255 | Writing for Multimedia | 3 cr
Explores writing for print, digital and social media. Community-based learning designation.
Prerequisites: ENGL 101 and COMM 108; or consent of instructor.
Offered: Fall, Spring.
Meets: Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning

COMM 258 | Podcasting | 3 cr
Introduces the uses and practical applications of sound for multimedia. Covers the components of podcast production including interviewing, story development, script writing, remote recording and digital audio recording, editing of sound, mixing, and final production for broadcast. Community-based learning designation.
Prerequisites: None.
Offered: Spring.
Meets: Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning

COMM 275 | Introduction to Constructive Communication | 3 cr
Introduces the theory and practice of performance and improvisation to develop pro-social communication skills, including mindfulness, emotion management, self-expression, listening, collaboration, and creative problem-solving. Community-based learning designation.
Prerequisites: Consent of instructor.
Offered: Fall, Spring.
Meets: Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning

COMM 285 | Introduction to Conflict Analysis and Resolution | 3 cr
Examines approaches to understanding, transforming, and resolving conflicts. Includes case studies at the interpersonal, organizational, community, cultural, and international levels.
Prerequisites: None.
Offered: Occasionally.
Meets: Humanities and the Arts: COMM, Humanities and the Arts: COMM, Humanities and the Arts: COMM, Humanities and the Arts: COMM, Humanities and the Arts: COMM

COMM 290 | Special Topics in Communication | 1-3 cr
Selected topics in communication will be examined.
Prerequisites: None.
Offered: Occasionally.

COMM 299 | Independent Study | 1-3 cr
Individual investigation of selected problems in communication. May be repeated for credit. Does not count toward major.
Prerequisites: Core courses and consent of instructor, department chair.
Offered: Fall, Spring, Summer.

COMM 303 | Organizational Communication | 3 cr
Examines the role of communication in organizational settings. Includes organizational communication theories and elements, as well as contemporary organizational systems and their functioning.
Prerequisites: None.
Offered: Fall.

COMM 315 | Communication and Gender | 3 cr
Explores the role of communication in the construction of gender, the role of gender in the social organization, and use of language and communication systems. Cross-listed with: WGSS 315.
Prerequisites: COMM core courses or consent of instructor.
Offered: Spring.

COMM 320 | Privilege and Power | 3 cr
Examines oppressive social systems constituted by inequitable distributions of privilege and power. Focuses on the relationship between dominant groups and historically underrepresented groups in the U.S. Emphasis on issues of social justice and personal responsibility. Cross-listed with: ETHN 320.
Prerequisites: Junior standing or consent of instructor.
Offered: Yearly.
Meets: Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity

COMM 322 | Public Relations Concepts and Practices | 3 cr
Surveys theoretical and practical concepts involved in the practice of public relations such as rhetorical theory, interviewing theory, media relations, and the public relations process of research, planning, implementation, and evaluation.
Prerequisites: None.
Offered: Yearly.

COMM 335 | Language and Human Communication | 3 cr
Examines the role of language in creating, maintaining, and transforming the social world from cultural, rhetorical, and/or philosophical perspectives. Addresses the ethical implications of language use in contemporary contexts.
Prerequisites: None.
Offered: Occasionally.

COMM 350 | Digital Storytelling | 3 cr
Examines the ways that digital storytelling creates identity and negotiates social life. Includes structure, function, genres, and contexts of narrative.
Prerequisites: None.
Offered: Fall.

COMM 356 | Advanced Media Production | 3 cr
Prepares students for live digital multicamera production and develops media literacy competence by focusing on aesthetic and composition principles influencing television and film production.
Prerequisites: COMM 168.
Offered: Fall.

COMM 360 | Contemporary Media Industries | 3 cr
Examines contemporary media industries in the U.S., including broadcast and cable television, radio, film, popular music, newspapers, the internet, and others. Emphasizes industrial structures and the ways these industries work together in the 21st century.
Prerequisites: None.
Offered: Fall.

COMM 363 | Communication and Ethnicity | 3 cr
Examines communication practices that construct, maintain, transform, or threaten ethnic identity in a co-cultural context. May be repeated with different content. Emphasis rotates among African Americans, Asian Americans, Latino/as, and Native American Indians. Cross-listed with: ETHN 363.
Prerequisites: None.
Offered: Fall, Spring, Winterim.
Meets: Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity

COMM 365 | Intercultural Communication | 3 cr
Investigates the relationship between culture and human interaction, emphasizing ethical aspects of communication. Cross-listed with: ETHN 365.
Prerequisites: None.
Offered: Yearly.

COMM 366 | Communication and Popular Music | 3 cr
Explores the cultural politics of popular music as communication in contemporary society.
Prerequisites: Core courses or consent of instructor.
Offered: Spring.

COMM 370 | Communication and Social Movements | 3 cr
Focuses on the role of interpersonal and media communication in organizing, carrying out, and documenting social movements.
Prerequisites: None.
Offered: Occasionally.
Meets: Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity

COMM 384 | Media, Crime and Criminal Justice | 3 cr
Examines interrelationship among the mass media, crime and criminal justice. Covers media and the social construction of crime, crime and justice in the entertainment and news media, media as a cause of crime, and media-based anti-crime efforts. Cross-listed with: CRMJ 385.
Prerequisites: CRMJ 101 or consent of instructor.
Offered: Fall.

COMM 385 | Conflict Mediation | 3 cr
Examines theory and practice of methods for conflict transformation. Includes facilitator training in dispute mediation, community dialogue, and the theatre of empowerment.
Prerequisites: Minimum of junior standing or consent of instructor.
Offered: Fall.

COMM 390 | Special Topics in Communication | 1-3 cr
Examines selected topics in communication. May repeat with different topic.
Prerequisites: None.
Offered: Occasionally.

COMM 399 | Independent Study | 1-3 cr
Individual investigation of selected problems in communication. May be repeated for credit. Does not count toward major.
Prerequisites: Core courses and consent of instructor, department chair.
Offered: Fall, Spring, Summer.

COMM 430 | Digital and Social Media | 3 cr
Examines critical analysis and application of internet communication, including social networking, crowdsourcing, online communities and collaboration, identity and privacy issues, and other topics.
Prerequisites: Minimum of junior standing or consent of instructor.
Offered: Spring.

COMM 435 | Integrated Marketing Communication | 3 cr
Investigates theory and practice of integrated marketing communication approaches, including advertising, public relations, and emerging digital and social media. Community-based learning designation.
Prerequisites: Minimum of junior standing or consent of instructor.
Offered: Fall.
Meets: Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning

COMM 460 | Global Media | 3 cr
Explores global media through the lens of cultural, politics, and economics.
Prerequisites: Core courses or consent of instructor.
Offered: Occasionally.

COMM 463 | Gender, Race, Class and Sexualities in the Media | 3 cr
Explores how representations of gender, race, class and sexualities in the media contribute to views of culture, self, and others. Cross-listed with: WGSS 463.
Prerequisites: COMM Core courses or consent of instructor.
Offered: Fall.

COMM 468 | Media Literacy Project | 1 cr
A capstone experience in which the student, under the guidance of a faculty member, prepares and conducts a media literacy activity in the community.
Prerequisites: Consent of instructor and department chair.
Offered: Fall, Spring, Summer.

COMM 475 | Advanced Constructive Communication | 3 cr
Explores the theory and practice of performance and improvisation to develop pro-social communication skills, including mindfulness, emotion management, self-expression, listening, collaboration, and creative problem-solving. Community-based learning designation. May be repeated for a maximum of 6 credits with a different topic.
Prerequisites: Junior standing and consent of instructor.
Offered: Fall, Spring.
Meets: Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning

COMM 480 | Practicum in Organizational Communication | 3 cr
Applies principles from public relations and/or organizational communication to an actual organization in the community. Specific topic may address developing a public relations campaign, training, and developing, or consulting. May be repeated for credit with a different topic.
Prerequisites: Consent of instructor.
Offered: Yearly.

COMM 485 | Practicum in Conflict Intervention | 3 cr
Examines conflict intervention in a public setting (school, business, or community). Includes in-class training and supervised field experience. Community-based learning designation.
Prerequisites: Minimum of junior standing or consent of instructor.
Offered: Spring.
Meets: Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning

COMM 490 | Special Topics in Communication | 1-3 cr
Advanced selected topics in communication will be examined.
Prerequisites: Core courses or consent of instructor.
Offered: Occasionally.

COMM 493 | Capstone in Health Communication | 1 cr
Assesses students understanding of program learning goals through the development and presentation of a digital portfolio.
Prerequisites: COMM 340.
Offered: Fall.

COMM 494 | Communication Internship | 1-3 cr
Combines field experience with a guided, systematic and structured application of communication concepts. Consult departmental internship director for procedures. May be repeated for a maximum of 9 credits. Up to 3 credits may be applied to the major.
Prerequisites: Must be in good standing; consent of instructor and department chair.
Offered: Fall, Spring, Summer.

COMM 495 | Senior Seminar | 3 cr
Assesses, integrates, and extends the student's intellectual grasp of the field. Includes career development planning. Taken during a student's final semester.
Prerequisites: Core courses, graduating senior; or consent of instructor.
Offered: Fall, Spring.

COMM 499 | Independent Study | 1-3 cr
Individual investigation of selected problems in communication.
Prerequisites: COMM core courses; consent of instructor and department chair.
Offered: Fall, Spring, Summer.

Communication Major (BA)

Department website (https://www.uwp.edu/learn/programs/communication.cfm)

College: College of Arts & Humanities

The courses in the major have been planned and sequenced so as to provide a broad overview of the field, introduce essential skills, and help students plan their futures both within the program and following college graduation. Students admitted to the major should complete the 100 level requirements in communication (including required course work in other departments) before taking 300 level courses. Take 300 level courses before completing the 400 level courses. Non-majors interested in taking upper-level communication courses should consult with the course instructor before registering.

Communication majors and minors are expected to meet with their advisors to discuss recommended sequences of elective courses for specific career or graduate school paths. The department maintains extensive advising materials to help students plan for and navigate the wide range of careers that are available.

1. The Communication major is structured around six learning outcomes to cultivate ethical, competent, and reflective communicators in multiple contexts. Each course focuses on one or more of the following outcomes
2. Identity—The competent communicator performs excellent written, oral, and nonverbal communication interpersonally and professionally, in order to strengthen their ability to understand self and others.
3. Diversity—The competent communicator incorporates race, class, gender, and sexuality and other forms of difference in his/her personal and professional communication.
4. Messages—The competent communicator creates, critiques, and interprets messages in oral, written, digital, and visual formats.\\n
5. Roles—The competent communicator adapts and performs his/her oral, written, and/or nonverbal behavior in consideration of multiple contexts.
6. Knowledge—The competent communicator analyzes beliefs, values, and assumptions in personal and professional life.
7. Research—The competent communicator asks and answers meaningful questions using multiple methods and rigorous criteria.\\n

Requirements for the Communication Major

Code	Title	Credits
Required Core Courses		
COMM 105	Public Speaking for the 21st Century	3
or COMM 205	Oral Interpretation	
COMM 107	Communication and the Human Condition	3
COMM 108	Media and Society	3
COMM 207	Introduction to the Communication Discipline (Part I)	3
COMM 208	Introduction to the Communication Discipline (Part 2)	3
ENGL 201	Advanced Composition	3
or COMM 255	Writing for Multimedia	
Required Core Courses Subtotal		18
Communication Elective Courses		
Select three credits of any level COMM course		3
Select six credits of 300-level COMM courses		6
Select a three credit 400-level COMM course		3
Communication Elective Courses Subtotal		12
General Elective Courses Outside Communication Department at the 300- or 400-level		
Select six credits of general elective courses outside communication department at the 300- or 400-level in consultation with advisor		6
General Elective Courses Outside Communication Department at the 300- or 400-level Subtotal		6
Required Capstone Course		
COMM 495	Senior Seminar	3
Required Capstone Course Subtotal		3
Total Credits		**39**

General University Degree Requirements (Bachelor's Degree)

In addition to individual program requirements, students must also fulfill the following requirements:

Requirement	Credits
Skills	7-8
General Education	36
Foreign Language**	6-8
Ethnic Diversity	3
Total	52-55

** Transfer students in sustainable management, and health information management and technology collaborative, online degree-completion programs, the business management online degree-completion program, and the flexible option degree-completion program will be exempt from the university's foreign language requirement. See appropriate academic section for further information.

Skills Requirement (p. 13)

Code	Title	Credits
Reading and Writing		
ENGL 101	Composition and Reading	3
Computational Skills		
Select one of the following:		4-5
MATH 102	Quantitative Reasoning	
MATH 103	Elementary Statistics	
MATH 104	College Mathematics with Applications	
MATH 111	College Algebra I	
Total Credits		**7-8**

General Education (p. 13)

- General Education Course List (p. 157)

Foreign Language (p. 13)

Ethnic Diversity (p. 13)

Degree Requirements

Requirement	Credits
Minimum Total Credits	120
Upper Level Credits (300 level or above)	36
Residency	30

Cumulative Degree GPA: 2.0 minimum

Course	Title	Credits
Year 1		
Fall Semester		
MATH 102	Quantitative Reasoning	4
ENGL 100	Fundamentals of English	3
COMM 107	Communication and the Human Condition	3
Introductory Language		4
	Credits	**14**
Spring Semester		
ENGL 101	Composition and Reading	3
COMM 105 or COMM 205	Public Speaking for the 21st Century or Oral Interpretation	3
COMM 108	Media and Society	3
Introductory Language		4
General Education (HU)		3
	Credits	**16**
	Total Credits	**30**

Course	Title	Credits
Year 2		
Fall Semester		
COMM 207	Introduction to the Communication Discipline (Part I)	3
COMM 208	Introduction to the Communication Discipline (Part 2)	3
General Education (NS)		3
General Education (SS)		3
General Elective		3
	Credits	**15**
Spring Semester		
COMM 255 or ENGL 201	Writing for Multimedia or Advanced Composition	3
COMM Elective		3
General Education (HU)		3
General Education (NS)		3
General Elective		3
	Credits	**15**
	Total Credits	**30**

Course	Title	Credits
Year 3		
Fall Semester		
300 Level COMM Elective		3
300 Level COMM Elective		3
300/400 Level General Elective*		3
General Education (HU)		3
General Elective		3
	Credits	**15**
Spring Semester		
300/400 Level General Elective*		3
300/400 Level General Elective		3
General Education (NS)		3
300/400 Level General Elective		3
General Elective		3
	Credits	**15**
	Total Credits	**30**

Course	Title	Credits
Year 4		
Fall Semester		
400 Level COMM Elective		3
300/400 Level General Elective (Non COMM)		3
300/400 Level General Elective (Non COMM)		3
General Education (NS)		3
General Education (SS)		3
	Credits	**15**
Spring Semester		
COMM 495	Senior Seminar	3
300/400 Level General Elective		3
300/400 Level General Elective		3
General Elective		3

General Elective	3
Credits	**15**
Total Credits	**30**

* Consult with advisor for recommended courses

Communication Minor

Department website (https://www.uwp.edu/learn/programs/communicationminor.cfm)

College: College of Arts & Humanities

Intended for students seeking a broad exposure to the field of communication, as well as those seeking to tailor their minor to complement a particular major or course of study.

Requirements for the Communication Minor

Code	Title	Credits
Required Core Courses		
COMM 107	Communication and the Human Condition	3
COMM 108	Media and Society	3
Elective Courses		
Select three credits of any level COMM course [1]		3
Select nine credits of any 300- or 400-level COMM courses [1]		9
Total Credits		**18**

[1] These credits must be approved by a departmental advisor to ensure an appropriate and timely sequence of courses.

University Requirements for Minors

Course work in the minor must be completed with the minimum GPA as specified by the department or program under which the minor falls, usually a 2.00 on a 4.00 scale, but higher in some programs. Transfer students must attain the minimum specified GPA on a combination of transfer credits accepted toward the minor and credits attempted at UW-Parkside.

At least half of the course work required for a minor must be completed at UW-Parkside.

Digital Media and Production Minor

Department website (https://www.uwp.edu/learn/programs/digitalmediaproduction.cfm)

College: College of Arts & Humanities

The Digital Media and Production minor is designed to prepare students to be adept at creating, producing, and critiquing digital written, oral, aural, and visual communication. Students will produce digital media that conforms to professional standards with respect to visual, written, and audio-standards. Critical skills will involve technical fluency, design principles, analytic skills, visual literacy, visual strategic communication, and an understanding of transmedia and the rhetoric of digital and visual communication.

1. Gain technical fluency in visual digital design.
2. Understand principles of visual design/communication.
3. Produce/create (transmedia) digital content.
4. Critically analyze transmedia digital content.
5. Gain social media literacy.

Requirements for the Digital Media and Production Minor

Code	Title	Credits
Required Courses		
ART 104	Introduction to Digital Art	3
COMM 168	Introduction to Visual and Digital Communication	3
Select one of the following:		1-3
COMM 494	Communication Internship [1]	
400-level internship from any department that has a significant digital media component		
Elective Courses		
Select five of the following:		14-15
ART 105	Introduction to Graphic Design	
ART 274	Typography I	
ART 371	Digital Photography [1]	
ART 372	Graphic Design I	
ART 471	Advanced Digital Photography [1]	
COMM 255	Writing for Multimedia	
COMM 258	Podcasting	
COMM 350	Digital Storytelling	
COMM 356	Advanced Media Production	
COMM 430	Digital and Social Media [1]	
ENGL 208	Creative Writing: Screenplay [1]	
ENGL 252	Introduction to Film	
ENGL 258	History of Film to 1950	
ENGL 259	History of Film from 1950	
ENGL 307	Advanced Fiction Writing [1]	
ENGL 330	Alternative Narratives [1]	
ENGL 358	Film Genres	
ENGL 359	Digital Video	
ENGL 458	Studies in Film	
MUSP 240	Sound Production I	
MUSP 340	Sound Production II [1]	
MUSP 350	Sound Design	
THEA/WGSS 215	Queer Representation on Stage and Screen	
THEA 224	Acting for the Camera [1]	
Total Credits		**21-24**

[1] Indicates courses with prerequisite requirements.

University Requirements for Minors

Course work in the minor must be completed with the minimum GPA as specified by the department or program under which the minor falls, usually a 2.00 on a 4.00 scale, but higher in some programs. Transfer students must attain the minimum specified GPA on a combination of transfer credits accepted toward the minor and credits attempted at UW-Parkside.

At least half of the course work required for a minor must be completed at UW-Parkside.

Organizational Communication Minor

Department website (https://www.uwp.edu/learn/programs/organizationalcommunicationminor.cfm)

College: College of Arts & Humanities

A minor in organizational communication is designed to help students analyze the role of communication in organizations in order to communicate more effectively within an organization by developing skills in oral and written communication as well as group communication and qualitative analysis skills. The minor is especially appropriate for students who are interested in management, human resources, and team- or project-based work.

Program Learning Outcomes

1. The minor in organizational communication is structured around six learning outcomes cultivate ethical, competent, and reflective communicators in multiple contexts. Each course focuses on one or more of the following outcomes:
2. Identity—The competent communicator performs excellent written, oral, and nonverbal communication interpersonally and professionally, in order to strengthen their ability to understand self and others.
3. Diversity—The competent communicator incorporates race, class, gender, and sexuality and other forms of difference in his/her personal and professional communication.
4. Messages—The competent communicator creates, critiques, and interprets messages in oral, written, digital, and visual formats.
5. Roles—The competent communicator adapts and performs his/her oral, written, and/or nonverbal behavior in consideration of multiple contexts.
6. Knowledge—The competent communicator analyzes beliefs, values, and assumptions in personal and professional life.
7. Research—The competent communicator asks and answers meaningful questions using multiple methods and rigorous criteria.
8. Each course learning outcomes depend on the instructor of record.

Requirements for the Organizational Communication Minor

Code	Title	Credits
Lower-level Courses		
COMM 107	Communication and the Human Condition	3
COMM 285	Introduction to Conflict Analysis and Resolution	3
Select one of the following:		3
COMM 255	Writing for Multimedia	
ENGL 168	Introduction to Professional Writing	
ENGL 204	Writing for Business and Industry	
Upper-level Courses		
COMM 303	Organizational Communication	3
Any 400-level COMM course.		3
Select one of the following:		3
COMM 315	Communication and Gender	
COMM 322	Public Relations Concepts and Practices	
COMM 363	Communication and Ethnicity	
COMM 365	Intercultural Communication	
COMM 390	Special Topics in Communication	
COMM 490	Special Topics in Communication	
HRM 343	Human Resource Management	
HRM 442	Training and Performance Management	
Total Credits		**18**

University Requirements for Minors

Course work in the minor must be completed with the minimum GPA as specified by the department or program under which the minor falls, usually a 2.00 on a 4.00 scale, but higher in some programs. Transfer students must attain the minimum specified GPA on a combination of transfer credits accepted toward the minor and credits attempted at UW-Parkside.

At least half of the course work required for a minor must be completed at UW-Parkside.

Public Relations Minor

Department website (https://www.uwp.edu/learn/programs/publicrelationsminor.cfm)

College: College of Arts & Humanities

A minor in public relations allows students to develop a general understanding of the concepts and practices involved in being a public relations practitioner and or a member of an organization who is responsible for various communication tasks which help to create and maintain relationships between an organization and its publics.

Program Learning Outcomes

1. The Communication major is structured around six learning outcomes cultivate ethical, competent, and reflective communicators in multiple contexts. Each course focuses on one or more of the outcomes, each course's learning outcomes depend on the instructor of record.
2. Identity—The competent communicator performs excellent written, oral, and nonverbal communication interpersonally and professionally, in order to strengthen their ability to understand self and others.
3. Diversity—The competent communicator incorporates race, class, gender, and sexuality and other forms of difference in his/her personal and professional communication.
4. Messages—The competent communicator creates, critiques, and interprets messages in oral, written, digital, and visual formats.
5. Roles—The competent communicator adapts and performs his/her oral, written, and/or nonverbal behavior in consideration of multiple contexts.
6. Knowledge—The competent communicator analyzes beliefs, values, and assumptions in personal and professional life.
7. Research—The competent communicator asks and answers meaningful questions using multiple methods and rigorous criteria.

Requirements for the Public Relations Minor

Code	Title	Credits
Required Courses		
COMM 108	Media and Society	3
COMM 207	Introduction to the Communication Discipline (Part I)	3
COMM 208	Introduction to the Communication Discipline (Part 2)	3
COMM 322	Public Relations Concepts and Practices	3
Elective Courses		
Writing Course		
Select one of the following:		3
COMM 255	Writing for Multimedia	
ENGL 168	Introduction to Professional Writing	
ENGL 204	Writing for Business and Industry	
Upper-Level Elective		
Select one of the following:		3
Any 400-level COMM course.		
ENGL 494	Internship in Writing and Editing (with prior approval from PR advisor)	
Total Credits		**18**

University Requirements for Minors

Course work in the minor must be completed with the minimum GPA as specified by the department or program under which the minor falls, usually a 2.00 on a 4.00 scale, but higher in some programs. Transfer students must attain the minimum specified GPA on a combination of transfer credits accepted toward the minor and credits attempted at UW-Parkside.

At least half of the course work required for a minor must be completed at UW-Parkside.

Sports Communication Minor

Department website (https://www.uwp.edu/learn/programs/sportcommunication.cfm)

College: College of Arts & Humanities

The sports communication minor allows students to develop digital media creation and media relations skills plus sport management practices that are necessary to work within sports organization careers. Sports communication minors develop oral, written, and visual communication skills along with an understanding of contemporary sports communication and broadcasting components.

Program Learning Outcomes

1. Develop excellent oral, written, and presentational communication skills.
2. Develop digital media production skills that prepare students to capture events on film, edit using Adobe Suite software, and digital storytelling.
3. Be able to create podcasts.
4. Perform journalistic writing and interviews.
5. Gain experience with social media management through coursework or internships.

Requirements for the Sports Communication Minor

Code	Title	Credits
Required Courses		
COMM 105	Public Speaking for the 21st Century	3
or COMM 205	Oral Interpretation	
COMM 168	Introduction to Visual and Digital Communication	3
SPMT 110	Current Issues in Sport Management	3
Sport Management Courses		
SPMT 360	Sports Communication	3
SPMT 365	Sports Broadcasting	3
Communication Elective Courses		
Select two courses:		6
COMM 255	Writing for Multimedia	
COMM 258	Podcasting	
COMM 350	Digital Storytelling	
COMM 356	Advanced Media Production	
Capstone/Internship		
Requires three credits internship.		3
SPMT 494	Internship	
or COMM 49	Communication Internship	
Total Credits		**24**

University Requirements for Minors

Course work in the minor must be completed with the minimum GPA as specified by the department or program under which the minor falls, usually a 2.00 on a 4.00 scale, but higher in some programs. Transfer students must attain the minimum specified GPA on a combination of transfer credits accepted toward the minor and credits attempted at UW-Parkside.

At least half of the course work required for a minor must be completed at UW-Parkside.

Digital Media and Production Certificate

Department website (https://www.uwp.edu/learn/programs/digitalmediaproductioncert.cfm)

College: College of Arts & Humanities

The Digital Media and Production certificate is designed to prepare students to be adept at creating, producing, and critiquing digital written, oral, aural, and visual communication. This certificate program will introduce and develop skills in students for professional level quality in the production of digital media that is intended to be integrated into a variety of career areas. Students will produce digital media that conforms to professional standards with respect to visual, written, and audio-standards. Critical skills will involve technical fluency, design principles, analytic skills, visual literacy, visual strategic communication, and an understanding of transmedia and the rhetoric of digital and visual communication. This program is open to non-degree seeking students

who wish to develop and enhance their digital media and production skills.

1. Gain technical fluency in visual digital design.
2. Understand principles of visual design/communication.
3. Produce/create (transmedia) digital content.
4. Critically analyze transmedia digital content.\\n
5. Gain social media literacy.

Requirements for the Digital Media and Production Certificate

Code	Title	Credits
Required Courses		
ART 104	Introduction to Digital Art	3
COMM 168	Introduction to Visual and Digital Communication	3
Select one of the following:		1-3
COMM 494	Communication Internship	
400-level internship from any department that has a significant digital media component		
Elective Courses		
Select three of the following: No more than two electives can be taken within the same discipline		8-9
ART 105	Introduction to Graphic Design	
ART 274	Typography I	
ART 371	Digital Photography [1]	
ART 372	Graphic Design I	
ART 471	Advanced Digital Photography [1]	
COMM 255	Writing for Multimedia [1]	
COMM 258	Podcasting	
COMM 350	Digital Storytelling [1]	
COMM 356	Advanced Media Production	
COMM 430	Digital and Social Media [1]	
ENGL 208	Creative Writing: Screenplay [1]	
ENGL 252	Introduction to Film	
ENGL 258	History of Film to 1950	
ENGL 259	History of Film from 1950	
ENGL 307	Advanced Fiction Writing [1]	
ENGL 330	Alternative Narratives [1]	
ENGL 358	Film Genres	
ENGL 359	Digital Video	
ENGL 458	Studies in Film	
MUSP 240	Sound Production I	
MUSP 340	Sound Production II [1]	
MUSP 350	Sound Design	
THEA/WGSS 215	Queer Representation on Stage and Screen	
THEA 224	Acting for the Camera [1]	
Total Credits		**15-18**

[1] indicates courses with prerequisite requirements.

University Requirements for Undergraduate Certificates

Course work in a certificate must be completed with a minimum 2.00 GPA. Departments or programs may require a higher GPA.

A minimum of 9 credits in a certificate program must be taken at UW-Parkside. Individual departments and programs may require more than 9 credits to be taken at UW-Parkside.

Community Engagement

Department website (https://www.uwp.edu/learn/departments/cbl/)

College: General

Program Overview

UW-Parkside's certificate in community engagement integrates the needs and resources of our communities into the classroom to fulfill clearly articulated learning outcomes. The certificate complements all majors and prepares students to be effective leaders and citizens in their communities. Students work with community partner organizations to help address environmental, social, health, economic, and cultural issues through community engagement projects and placements. Approaches to addressing societal changes include capacity building of existing community organizations, developing strategies to effect political policy changes, and the implementation of communication campaigns. Central to all community engagement courses is the transformative act of reflection.

Community engagement classes are formatted to focus on projects, presentations, and/or placement of students, to fulfill the needs of organizations in Kenosha, Racine, Milwaukee, Northern Illinois, and beyond. In the past, students have helped to create phone apps for public buses, community gardens to provide fresh produce to local food banks, worked with organizations to build homes, tutor school children, maintain public waterways and eco-systems, and conceptualized and implemented multi-faceted communication campaigns. Some community engagement classes provide support in research (surveys, focus groups), marketing and public relations, fundraising and grant writing, and the design of databases, computer apps, and digital artifacts.

Community-engaged learning experiences strengthen students' ability to contribute meaningfully to their communities, enhance their professional preparation, and provide relevance to course work. Community-engaged classes are designed to help students:

- Use effective, inclusive communication methods to promote civic action in local, national and/or global contexts.
- Exercise reasoned judgement through critical thinking to collaboratively address challenges of the local, national and/or global communities.
- Work effectively within diverse teams to address a community need.
- Demonstrate ongoing social and personal responsibility to promote civic action.
- Connect and extend classroom learning to engagement outside the classroom.
- Promote inclusive engagement with diverse communities and cultures.

Programs Offered

- Community Engagement Certificate (p. 104)

Courses in Community Engagement

CBL 101 | Introduction to Community Engagement | 3 cr
Introduces community engagement concepts, theories, and practices. Emphasizes developing skills in critical thinking, collaborative problem-solving, and understanding complex community issues in local, global, interpersonal, and institutional contexts. Requires 15 hours of service learning with a community organization.
Prerequisites: None.
Offered: Fall, Spring.
Meets: Social & Behavioral Science: CBL, Community Based Learning, Social & Behavioral Science: CBL, Community Based Learning, Social & Behavioral Science: CBL, Community Based Learning, Social & Behavioral Science: CBL, Community Based Learning, Social & Behavioral Science: CBL, Community Based Learning

CBL 290 | Special Topics in Community Based Learning | 1-3 cr
Selected topics in Community Based Learning are covered.
Prerequisites: None.
Offered: Occasionally.
Meets: Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning

CBL 390 | Special Topics in Community Based Learning | 1-3 cr
Selected topics in Community Based Learning or cause selected.
Prerequisites: None.
Offered: Occasionally.
Meets: Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning

CBL 494 | Civic Internship | 3 cr
Provides an opportunity for students to partner with a civic agency or community nonprofit to gain professional experience for academic credit.
Prerequisites: Minimum of sophomore standing.
Offered: Fall.
Meets: Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning

CBL 495 | Community Engagement Capstone | 1 cr
Involves the production of a reflective electronic portfolio and digital story. May be integrated into the capstone course for student's major.
Prerequisites: CBL 101 and electives that fulfill requirements of community engagement certificate.
Offered: Fall, Spring.
Meets: Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning

CBL 499 | Independent Study | 1-4 cr
Frequency: Independent work on community based projects and/or issues under faculty supervision.
Prerequisites: CBL 101 and consent of instructor and program director.
Meets: Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning

Community Engagement Certificate

Department website (https://www.uwp.edu/learn/programs/ce-certificate.cfm)

College: College of Arts & Humanities

Complete a plan declaration form available online or in the Academic Advising and Career Center. Declarations will be reviewed and approved by the faculty director or the community engagement specialist.

Requirements for the Community Engagement Certificate

The certificate requirements include two required courses and 9 credits of elective courses that are designated community-based learning (CBL).

Code	Title	Credits
Required Introductory Course		
CBL 101	Introduction to Community Engagement [1]	3
Elective Courses		
Select nine credits of elective courses [2]		9
Required Capstone Course		
CBL 495	Community Engagement Capstone [1,3]	1
Total Credits		**13**

1 Must earn a grade of C or better for credit toward the Community Engagement Certificate.

2
- Courses must be CBL designated courses in the course schedule.
- At least three credits (of nine) at the 300-or 400-level.
- Internships may be used with preapproval from the CBL academic advisor and should conform university policies and procedures for internships (see Policies section of this catalog).

3 Note: Another capstone course may be used to fulfill this requirement with approval from the faculty director or community engagement coordinator.

University Requirements for Undergraduate Certificates

Course work in a certificate must be completed with a minimum 2.00 GPA. Departments or programs may require a higher GPA.

A minimum of 9 credits in a certificate program must be taken at UW-Parkside. Individual departments and programs may require more than 9 credits to be taken at UW-Parkside.

Computer Science

Department website (https://www.uwp.edu/learn/departments/computerscience/)

College: College of Business, Economics, and Computing

Student Organizations/Clubs:

Computer Science Club

Career Possibilities:

Software engineer, systems programmer, applications programmer, network administrator, systems developer, systems analyst, web developer, security analyst, information systems auditor, quality assurance analyst.

Department Overview

The computer science department offers strong academic programs that prepare students for work and continuing advancement in information technologies. The pervasive influence of computers in our everyday lives and the strategic importance of computing systems in our economy and government require an increasingly educated and technologically literate citizenry as well as highly skilled and knowledgeable computing professionals who understand, design, implement and manage complex information systems. Since the inception of the computer science major at UW-Parkside in 1979, graduates have found highly successful careers in computing and information technology throughout the region and the country.

Computing professionals must have a solid grounding of fundamentals as a basis for adapting to rapid changes in computing theory and practice. They must also have knowledge and experience with current methodologies which they can apply reliably to solve existing problems and to design new strategies and systems as the demand arises. They must be able to work cooperatively and to communicate effectively. Combining theory, practice, and collaboration, the computer science major at UW-Parkside prepares students for successful careers in computing and information systems and contributes to their growth as professionals.

Laboratory experiences are integral components of many of the department's computer science courses. Computer science students use the laboratory's high-performance workstations, servers, and printing facilities – available only to computer science majors – to carry out their programming and laboratory work.

The computer science major includes 63 credits in computer science, mathematics, and the sciences. In addition, computer science students must complete a computer science breadth package of 9 or more credits that includes courses in significant application domains such as science, mathematics, business or economics.

In collaboration with faculty in management information systems, the computer science department offers a master of science in computer and information systems (MSCIS). See the Graduate Programs section of this catalog for detailed MSCIS degree requirements, admissions information, and courses.

The computer science department and the mathematics department jointly offer a double major in computer science and mathematics. The degree requirements for this double major are listed below.

The computer science department also offers a computer science minor, a web development minor, and certificates in world wide web publishing, UNIX system administration, mobile development and cyber security.

Preparation for Graduate School

The computer science major is excellent preparation for students seeking to do graduate work in computer science. Such students may wish to supplement the minimum requirements for a computer science major with additional courses in mathematics and the sciences. Students considering graduate study in computer science are strongly encouraged to complete CSCI 431 Computational Models as one of their electives.

Dual Degree BS and MSCIS Track

Computer science students who have finished the prerequisite courses for the MSCIS program and at least 40 credits within the CS major may apply for early admission to the MSCIS program. All admissions requirements, except having completed a bachelor's degree, still apply. By concurrently enrolling in both undergraduate and graduate courses students may complete their MSCIS degree in a considerably shorter time than the 2 years generally required after completing their bachelor's degree.

Internships

Many major employers and smaller businesses in the area hire UW-Parkside computer science students as interns in computing-related jobs. In addition to facilitating these informal non-credit bearing internships, the computer science department sponsors a credit-bearing internship program. In a credit-bearing internship, the student, the computer science faculty, and the student's supervisor collectively agree on the internship's objectives; progress toward meeting these objectives is evaluated periodically throughout the term. Students should contact the department chair for more information.

Program Level Outcomes

The computer science program enables students to attain, by the time of graduation:

Reasoned Judgment

1. An ability to apply knowledge of computing and mathematics appropriate to the discipline.
2. An ability to analyze a problem, and identify and define the computing requirements appropriate to its solution.
3. An ability to design, implement, and evaluate a computer-based system, process, component, or program to meet desired needs.

Social and Personal Responsibility

1. An ability to function effectively on teams to accomplish a common goal.
2. An understanding of professional, ethical, legal, security and social issues and responsibilities.
3. An ability to analyze the local and global impact of computing on individuals, organizations, and society.
4. Recognition of the need for and an ability to engage in continuing professional development.

Communication

1. An ability to communicate effectively with a range of audiences.
2. An ability to use current techniques, skills, and tools necessary for computing practice.

Course Audit Restrictions

Computer science courses are generally not available for audit.

Disruption of Studies

Normally, students must meet the major requirements in effect at the time they declare a major; however, students majoring in computer science who do not attend continuously may be subject to the major requirements in effect upon their return. In particular, students who do not complete (with a passing grade) a computer science course

numbered above 241 for four consecutive semesters will be subject to the major requirements in effect upon their next registration for a computer science course.

Substitutions

Requests for course substitutions to meet the requirements of the computer science major need the approval of the computer science faculty. In the case of the computer science/mathematics double major, substitutions require the approval of both the computer science faculty and the mathematics faculty.

Transfer Credits

In addition to the minimum UW-Parkside cumulative GPA requirement of 2.50 for courses in the major, students with transfer credits applying to the computer science major must also attain a minimum cumulative GPA of 2.50 in all course work required, including transfer credits.

Occasionally, transferred computer science courses do not match the number of credits to their equivalent UWP CSCI courses, in such cases, the credit difference is waived. However, transferred courses that satisfy the breadth requirement will not be granted credit difference waivers since the breadth requirement has to have at least 9 credits of coursework required.

Part-Time Study

The computer science major is available to both full-time and part-time students. Classes meet throughout the day, including evenings. Evening classes are offered on a restricted rotation basis to permit persons working full time during the day to complete major requirements during off-the-job hours. Contact the Computer Science Department chair for details.

Programs Offered

- Computer Science Major (BS) (p. 109)
- Computer Science/Mathematics Double Major (p. 111)
- Computer Science Minor (p. 112)
- Web Development Minor (p. 113)
- Cybersecurity Certificate (p. 113)
- Data Science Certificate (p. 114)
- Linux System Administration Certificate (p. 114)
- Mobile Development Certificate (p. 115)
- Web Development Certificate (p. 115)

All certificates are available to undergraduate students only (not to graduate students).

Courses in Computer Science

CSCI 105 | Introduction to Computers | 3 cr

Explores computer components and the principles of operation; networking, the Internet and the World Wide Web; problem solving techniques, introduction to algorithms, elementary programming concepts.
Prerequisites: None.
Offered: Fall, Spring, Summer.
Meets: Natural Science: CSCI, Natural Science: CSCI, Natural Science: CSCI, Natural Science: CSCI, Natural Science: CSCI

CSCI 130 | Introduction to Programming | 3 cr

Fundamentals of high-level programming language: object-orientation, methods, functions, variables, program control.
Prerequisites: MATH 111 or equivalent.
Offered: Fall, Spring.
Meets: Natural Science: CSCI, Natural Science: CSCI, Natural Science: CSCI, Natural Science: CSCI, Natural Science: CSCI

CSCI 220 | Client Web Programming | 3 cr

Explains web client programming concepts, website authoring, dynamic web pages, object usage, events and event-driven programming, markup languages, document object model.
Prerequisites: C or better in CSCI 130, or CSCI 241 or MIS 221; or B+ or better in CSCI 105; or consent of instructor.
Offered: Fall.
Meets: Natural Science: CSCI, Natural Science: CSCI, Natural Science: CSCI, Natural Science: CSCI, Natural Science: CSCI

CSCI 231 | Discrete Mathematics | 3 cr

Covers sets; the number system; Boolean algebra; formal logic and proofs; relations and functions; combinatorics and recurrence relations; graphs and trees. Cross-listed with: MATH 231.
Prerequisites: MATH 112 with a C or better.
Offered: Fall, Spring.

CSCI 241 | Computer Science I | 5 cr

Introduces the fundamentals of software development; including software classes, objects, logic, selection control, repetition control, subprograms, parameter passage, and rudimentary software engineering techniques. Three-hour lecture; one-hour discussion; two-hour lab.
Prerequisites: C or better in MATH 112 and MATH 113, or MATH 114.
Offered: Fall, Spring.
Meets: Natural Science: CSCI, Natural Science: CSCI, Natural Science: CSCI, Natural Science: CSCI, Natural Science: CSCI

CSCI 242 | Computer Science II | 4 cr

Explores object-oriented programming concepts including inheritance and polymorphism; and recursion. Introduces data structures including: lists, stacks, queues, trees and maps; advanced sorting; and searching algorithms. Three-hour lecture, two-hour lab.
Prerequisites: CSCI 241with C or better.
Offered: Fall, Spring.

CSCI 245 | Assembly Language Programming | 3 cr

Explores organization of computers, digital representation of data, symbolic coding and assembler systems, instructions, addressing modes, program segmentation and linkage, and applications.
Prerequisites: C or better in CSCI 231, CSCI 241; CSCI 242 or concurrent registration.
Offered: Fall, Spring.

CSCI 275 | Linux Concepts, Tools and Scripting | 2 cr

Examines concepts and tools for Linux including file system organization, text processing, Linux processes, editors, and interacting with internet host systems. Investigates Linux shells and the environment, scripting languages, input/output, functions, and start-up scripts. One hour lecture, one and one half hour lab.
Prerequisites: C or better in CSCI 130 or 241 or MIS 221, or concurrent.
Offered: Fall.

CSCI 279 | Basic Information Security | 3 cr
Provides an overview of information security planning. Evaluates security threats, regulations and controls affecting various business types. Students select an industry that is specific to their career goals and consider the threats and controls appropriate for that industry.
Prerequisites: None.
Offered: Occasionally.
Meets: Social & Behavioral Science: CSCI, Social & Behavioral Science: CSCI, Social & Behavioral Science: CSCI, Social & Behavioral Science: CSCI, Social & Behavioral Science: CSCI

CSCI 290 | Special Topics in Computer Science | 1-4 cr
Elementary topics in computer science.
Prerequisites: Consent of instructor.
Offered: Occasionally.

CSCI 291 | Makerspace Seminar | 1 cr
Requires independent work in a community-operated workspace where students with common interests develop technology related projects.
Prerequisites: None.
Offered: Occasionally.

CSCI 309 | Probability and Statistics | 3 cr
Covers elementary probability, random variables, properties of distributions, sampling, queuing theory, central limit theorem and law of large numbers. Cross-listed with: MATH 309.
Prerequisites: MATH 221 with C or better.
Offered: Spring.

CSCI 322 | Server Web Programming | 3 cr
Examines server-side programming concepts including server architectures, relational databases, and database connectivity; dynamic web pages; form processing; and web services.
Prerequisites: CSCI 220 or consent of instructor.
Offered: Spring.

CSCI 323 | Mobile Development in Android | 3 cr
Examines existing tools, environments and programming languages for developing applications for mobile devices on the Android platform. Explores current research on mobile applications and future trends. Multi-career cross-listing: CIS 523.
Prerequisites: CSCI 242 with C or better, or consent of instructor.
Offered: Fall.

CSCI 324 | Mobile Development in iOS | 3 cr
Examines existing tools, environments and programming languages for developing applications for mobile devices on the iOS platform. Explores current research on mobile applications and future trends. Multi-career cross-listing: CIS 524.
Prerequisites: CSCI 242 with C or better, or consent of instructor.
Offered: Spring.

CSCI 333 | Programming Languages | 3 cr
Introduces syntax and semantic issues in programming languages and their effect on language implementation. Includes methods to specify languages, data storage, and the sequence of control in programs. Examines non-procedural languages, including functional and logic languages.
Prerequisites: C or better in CSCI 231 and CSCI 242.
Offered: Spring.

CSCI 340 | Data Structures and Algorithm Design | 3 cr
Study of the design, implementation and analysis of computer algorithms; time and space requirements for sorting, searching, graph theory, mathematics and string processing algorithms. Multi-career cross-listing: CIS 540.
Prerequisites: C or better in CSCI 231 or MATH 231 and in CSCI 242.
Offered: Spring.

CSCI 355 | Computer Architecture | 3 cr
The design of computer systems and components. Processor design, control structures and micro-programming; cache, memory hierarchies, mass memory, and memory management; buses, interrupts and I/O structures; multiprocessors and advanced processors.
Prerequisites: CSCI 245 with C or better.
Offered: Spring.

CSCI 368 | Mathematical Modeling | 3 cr
Surveys mathematical models, models involving differential equations, probabilistic models, Markovian-models, simulation, and Monte Carlo methods. Cross-listed with: MATH 368.
Prerequisites: MATH 222; PHYS 241 or CSCI 130; or consent of instructor.
Offered: Yearly.

CSCI 370 | Operating Systems | 3 cr
Operating system concepts, process definition and implementation, deadlock, memory management and protection, distributed system architecture, and case studies. Multi-career cross-listing: CIS 570.
Prerequisites: C or better in CSCI 242 and CSCI 355.
Offered: Fall.

CSCI 380 | Database Management Systems | 3 cr
Examines the relational model, database design, relational database query languages (such as relational algebra and SQL), database normalization techniques, and physical database design.
Prerequisites: CSCI 242 with C or better.
Offered: Fall.

CSCI 405 | Artificial Intelligence | 3 cr
Introduces Artificial Intelligence (AI) techniques that include search, game playing, and knowledge representation. Includes specific subdisciplines of AI such as natural language processing and neural networks. Programming assignments in both Prolog and LISP. Multi-career cross-listing: CIS 605.
Prerequisites: CSCI 333 with C or better.
Offered: Occasionally.

CSCI 410 | Introduction to Data Science | 3 cr
Introduces extraction of knowledge from data. Covers basics of statistical inference and the identification of probability distributions commonly used as foundations for statistical modeling. Provides an overview of commonly used data science software tools. Not open to students with credit in CIS 610.
Prerequisites: CSCI 242; and CSCI 309 or QM 310; or consent of instructor.
Offered: Fall.

CSCI 411 | Data Science Programming and Visualization | 3 cr
Surveys common programming languages for data science with visualization. Explores the development of applications for data-centric software used to visualize and extract actionable knowledge and insights from a collection of heterogeneous data sources that answer specific scientific, socio-political, or business questions. Not open to those with credit in CIS 611. Multi-career cross-listing: CIS 611.
Prerequisites: CSCI 410 or consent of instructor.
Offered: Spring.

CSCI 412 | Data Mining and Machine Learning | 3 cr
Explores data mining methods and procedures for diagnostic and predictive analytics. Includes association rules, clustering algorithms, tools for classification, and ensemble methods. Emphasizes computer implementation and applications. Multi-career cross-listing: CIS 612. Not open to those with credit in: CIS 612.
Prerequisites: CSCI 410 or CIS 610 or consent of instructor.
Offered: Occasionally.

CSCI 413 | Big Data Analysis | 3 cr
Introduces the efficient processing of large data sets, including non-relational databases and algorithms that allow for the distributed processing of large data sets across clusters. Not open to those with credit in CIS 613. Multi-career cross-listing: CIS 613.
Prerequisites: CSCI 410 or CIS 610 or consent of instructor.
Offered: Occasionally.

CSCI 415 | Data Science/Machine Learning Project | 3 cr
Develops practical experience via a data science research project, including applying various machine learning models, researching concepts, and preparing research articles. Multi-career cross-listing: CIS 615. Not available for students with credit in: CIS 615.
Prerequisites: CSCI 410 or CSCI 405 or consent of instructor.
Offered: Occasionally.

CSCI 420 | Computer Graphics | 3 cr
Graphics hardware and software, techniques for representation and visualization, two- and three-dimensional transformations, concepts and techniques of visual realism. Multi-career cross-listing: CIS 620.
Prerequisites: CSCI 340 with C or better.
Offered: Occasionally.

CSCI 421 | Computer Vision | 3 cr
Reviews algebra of matrices and partial differentiation. Introduction to Machine Vision and Image Processing including image formation, thresholding, image filtering, edge detection, image segmentation, image data compression, image similarity and dynamic vision. Multi-career cross-listing: CIS 621.
Prerequisites: CSCI 242 with a grade of C or better.
Offered: Occasionally.

CSCI 424 | Client/Server Development | 3 cr
Explores server-side application programming concepts. Includes server architectures, communication protocols, relational databases and database connectivity, dynamic content delivery and communication security. Multi-career cross-listing: CIS 674.
Prerequisites: CSCI 324 with C or better, or consent of instructor.
Offered: Fall.

CSCI 431 | Computational Models | 3 cr
Delves into regular languages, finite automata, context-free languages and grammars, push-down automata, Turing machines, algorithms and the Church-Turing thesis, and decidability.
Prerequisites: CSCI 231 or MATH 231 with a C or better.
Offered: Occasionally.

CSCI 433 | Web Development Project | 3 cr
Focuses on project-based development of a significant web site or a specific web-based problem or project under the supervision of the instructor. Includes project management techniques, client-server communication and content management systems.
Prerequisites: CSCI 322 or consent of instructor.
Offered: Occasionally.

CSCI 435 | Linux System Administration | 3 cr
Covers Linux system administration concepts and techniques, including system organization, kernel configuration, device management, system files and runtime maintenance, software configuration and installation, and network configuration. Compares Linux with other operating systems. Two-hour lecture; two-hour lab. Multi-career cross-listing: CIS 635.
Prerequisites: CSCI 275 with C or better.
Offered: Spring.

CSCI 440 | Compiler Design and Implementation | 3 cr
Theory, design and implementation of compilers and other syntax-directed systems. Applies techniques of finite state machines, lexical analysis, symbol tables, parsing, storage allocation and code generation to the development of a compiler. Laboratory work included. Multi-career cross-listing: CIS 640.
Prerequisites: C or better in CSCI 333 or concurrent registration.
Offered: Occasionally.

CSCI 444 | Event-Driven Programming | 3 cr
Origins of events; the event-driven programming model; interrupt processing as event handling; client-server architectures; windowing environments and GUI programming; development support software; case studies; and student project. Multi-career cross-listing: CIS 644.
Prerequisites: C or better in CSCI 370.
Offered: Occasionally.

CSCI 445 | Web Application Security | 3 cr
Explores vulnerabilities and defenses of web-based software systems. Covers web architecture, document security, authentication and attacks and defenses of client-side controls, authentication, session management, access controls, data stores and back-end components. Multi-career cross-listing: CIS 645. Not available for students with credit in: CIS 645.
Prerequisites: CSCI 242 or CSCI 322 or MIS 328 with C or better; or instructor permission.
Offered: Summer.

CSCI 467 | Computability and Automation | 3 cr
Turing machines, recursive functions, Kleene's T Predicate, Ackermann's function, finite automata, grammars and languages.
Cross-listed with: MATH 467.
Prerequisites: C or better in MATH 331 or CSCI 331 or consent of instructor.
Offered: Occasionally.

CSCI 469 | Embedded Systems Design | 3 cr
Covers firmware and hardware development. Includes assembly and/or C programming of micro-controllers, interrupt processing, basic hardware and logic design, programming micro-controller peripherals like Analag/Digital Converters (ADC & DAC), timers, Pulse Width Modulation (PWM), comparators, programming and using serial interfaces, basics of printed boards design. Multi-career cross-listing: CIS 669.
Prerequisites: CSCI 245.
Offered: Fall.

CSCI 475 | Software Engineering Principles and Practice I | 3 cr
Introduces UML design and teamwork in the development of a larger software system. Covers UML use case, activity, class/object, interaction, and state diagrams in the creation of efficient designs and systems. Multi-career cross-listing: CIS 675.
Prerequisites: C or better in CSCI 380 and one of the following: CSCI 323 or CSCI 324 or CSCI 333 or CSCI 340 or CSCI 370.
Offered: Fall.
Meets: Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning

CSCI 476 | Software Engineering Principles and Practice II | 3 cr
Continuation of CSCI 475; further work on a significant team project; includes oral presentations and written documentation. Multi-career cross-listing: CIS 676.
Prerequisites: CSCI 475 with C or better.
Offered: Spring.

CSCI 477 | Computer Communications and Networks | 3 cr
Examines transmission protocols, layered network protocols, network topology, message routing, performance analysis, security, and case studies. Multi-career cross-listing: CIS 677.
Prerequisites: C or better in CSCI 242 and in CSCI 245.
Offered: Occasionally.

CSCI 478 | Network Security | 3 cr
Examines computer and network security related to operating systems, networks and system administration issues, including hacking, incident response, firewalls, VPNs, intrusion detection, and auditing. A background in computer networking is helpful. Multi-career cross-listing: CIS 678.
Prerequisites: C or better in one of: CSCI 355, 435, 477 or MIS 327.
Offered: Occasionally.

CSCI 479 | Information Security Planning | 3 cr
Introduces information security design. Considers technical, administrative, and physical aspects of IT security. Includes fraud, risk, information protection, business continuity, network security, auditing, secure software and privacy.
Prerequisites: C or better in CSCI 242 or MIS 328 or consent of instructor.
Offered: Spring.

CSCI 480 | Advanced Databases | 3 cr
Review of relational database languages such as SQL and Relational Algebra, and query optimization techniques. Non-relational database models including object-oriented databases, XML databases, and deductive databases. Data mining, transaction management, concurrency control, text retrieval, and Web data management. Multi-career cross-listing: CIS 680.
Prerequisites: CSCI 380 with C or better.
Offered: Occasionally.

CSCI 481 | Security Risk | 3 cr
Focuses on risk analysis, including qualitative, quantitative, and ethical risk. Involves investigates an industry or topic of choice, delving into sources of risk information, researching regulation and statistics, and developing a comprehensive analysis of risk related to the selected topic. Multi-career cross-listing: CIS 681.
Prerequisites: A previous course in security and consent of instructor.
Offered: Occasionally.

CSCI 490 | Special Topics In Computer Science | 1-4 cr
Advanced topics in computer science with applications. May repeat for credit with different topic.
Prerequisites: Consent of instructor.
Offered: Occasionally.

CSCI 493 | Internship | 1-2 cr
Participation in the technical activities of an ongoing organization under the joint guidance and supervision of a member of the organization and member of the faculty. Grading will be on a credit/no-credit basis. A student may register and receive credit in this course for a maximum of 6 credits.
Prerequisites: Consent of instructor and department chair.
Offered: Fall, Spring.

CSCI 495 | Computer Science Seminar | 2 cr
Examines computer ethics, the computing profession, current trends in information technology, and career opportunities. Includes oral presentations.
Prerequisites: Any 300-level computer science course or consent of instructor.
Offered: Fall.

CSCI 499 | Independent Study | 1-3 cr
Independent work on a specific problem in computer science under the supervision of faculty.
Prerequisites: Consent of instructor and department chair.
Offered: Fall, Spring.

Computer Science Major (BS)

Department website (https://www.uwp.edu/learn/programs/computersciencemajor.cfm)

College: College of Business, Economics, and Computing

Program Learning Outcomes

1. Reasoned Judgment
2. An ability to apply knowledge of computing and mathematics appropriate to the discipline.
3. An ability to analyze a problem, and identify and define the computing requirements appropriate to its solution.
4. An ability to design, implement, and evaluate a computer-based system, process, component, or program to meet desired needs.
5. Social and Personal Responsibility
6. An ability to function effectively on teams to accomplish a common goal.
7. An understanding of professional, ethical, legal, security and social issues and responsibilities.
8. An ability to analyze the local and global impact of computing on individuals, organizations, and society.
9. Recognition of the need for and an ability to engage in continuing professional development.
10. Communication
11. An ability to communicate effectively with a range of audiences.
12. An ability to use current techniques, skills, and tools necessary for computing practice.

Requirements for the Computer Science Major

In addition to meeting the general university requirements of a UW-Parkside degree, students seeking to graduate with a major in computer science must satisfy the following:

- Completion of computer science major requirements.
- Attainment of a minimum UW-Parkside cumulative GPA of 2.50 in all courses eligible to meet the student's computer science major requirements, including courses that meet the computer science major breadth requirement.

Code	Title	Credits
Required Mathematics Course		
MATH 221	Calculus and Analytic Geometry I	5
Required Mathematics Course Subtotal		5
Required Science Course		
Select one of the following:		5
PHYS 201	General Physics I	
CHEM 101 & CHEM 103	General Chemistry I and General Chemistry Lab I	
Required Science Course Subtotal		5
Required Major Courses		
Computer Science Courses		
CSCI/MATH 231	Discrete Mathematics	3
CSCI 241	Computer Science I	5
CSCI 242	Computer Science II	4
CSCI 245	Assembly Language Programming	3
CSCI 309	Probability and Statistics	3
CSCI 333	Programming Languages	3
CSCI 340	Data Structures and Algorithm Design	3
CSCI 355	Computer Architecture	3
CSCI 370	Operating Systems	3
CSCI 380	Database Management Systems	3
CSCI 475	Software Engineering Principles and Practice I	3
CSCI 476	Software Engineering Principles and Practice II	3
CSCI 495	Computer Science Seminar	2
Elective Major Courses		
Select four of the following:		12
CSCI 323 or CSCI 324	Mobile Development in Android Mobile Development in iOS	
CSCI 405	Artificial Intelligence	
CSCI 410	Introduction to Data Science	
CSCI 411	Data Science Programming and Visualization	
CSCI 412	Data Mining and Machine Learning	
CSCI 415	Data Science/Machine Learning Project	
CSCI 420	Computer Graphics	
CSCI 421	Computer Vision	
CSCI 424	Client/Server Development	
CSCI 431	Computational Models	
CSCI 435	Linux System Administration	
CSCI 440	Compiler Design and Implementation	
CSCI 444	Event-Driven Programming	
CSCI 445	Web Application Security	
CSCI 467	Computability and Automation	
CSCI 477	Computer Communications and Networks	
CSCI 478	Network Security	
CSCI 479	Information Security Planning	
CSCI 480	Advanced Databases	
CSCI 490	Special Topics In Computer Science	
Required Computer Science Breadth Requirement		
Select nine to ten credits [1]		9-10
Required Major Courses Subtotal		62-63
Total Credits		**72-73**

[1] Students must complete a package of 9 or more credits outside of computer science in a coherent collection of courses that are relevant to computer science and that meet the approval of the computer science faculty. Several such packages have been pre-approved, in areas such as mathematics, the sciences, art, business and economics. Pre-approved packages include:

- MATH 222 Calculus and Analytic Geometry II and MATH 301 Linear Algebra
- MATH 222 Calculus and Analytic Geometry II and PHYS 202 General Physics II
- CHEM 102 General Chemistry II/CHEM 104 General Chemistry Lab II and either CHEM 206 Quantitative Chemical Analysis or CHEM 215 Organic and Biochemistry
- PMGT341 Basics of Project Management and two of: PMGT342 Essential Personal Skills For Project Management, PMGT441 Advanced Project Management Tools and Techniques, or PMGT442 Project Management Simulation
- Select any 3 courses from: ACCT 201 Financial Accounting, BUS 272 Legal Environment of Business, FIN 330 Managerial Finance, MGT 349 Organizational Behavior, or MKT 350 Marketing Principles
- ECON 320 Intermediate Micro Theory or ECON 321 Intermediate Macro Theory, and two additional 300-level ECON courses
- GEOG 350 Cartography and GIS, GEOG 460 Introduction to Geographic Information Systems Analysis and GEOG 465 Advanced Geographic Information Systems Applications
- CRMJ 316 Criminal Procedure, CRMJ 380 Criminal Law and BUS 272 Legal Environment of Business
- ART 105 Introduction to Graphic Design, ART 377 Interactive Design I and ART 477 Interactive Design II

Optionally, a student may submit an individually designed computer science breadth package of 9 or more credits for approval by the computer science faculty. The breadth area should include 6 credits at the 300 or above level. Email the department chair to request a special breadth area, describing your three courses and how they pertain to your career goals.

General University Degree Requirements (Bachelor's Degree)

In addition to individual program requirements, students must also fulfill the following requirements:

Requirement	Credits
Skills	7-8
General Education	36
Foreign Language**	6-8
Ethnic Diversity	3
Total	52-55

** Transfer students in sustainable management, and health information management and technology collaborative, online degree-completion programs, the business management online degree-completion program, and the flexible option degree-completion program will be exempt from the university's foreign language requirement. See appropriate academic section for further information.

Skills Requirement (p. 13)

Code	Title	Credits
Reading and Writing		
ENGL 101	Composition and Reading	3
Computational Skills		
Select one of the following:		4-5
MATH 102	Quantitative Reasoning	
MATH 103	Elementary Statistics	
MATH 104	College Mathematics with Applications	
MATH 111	College Algebra I	
Total Credits		**7-8**

General Education (p. 13)

- General Education Course List (p. 157)

Foreign Language (p. 13)

Ethnic Diversity (p. 13)

Degree Requirements

Requirement	Credits
Minimum Total Credits	120
Upper Level Credits (300 level or above)	36
Residency	30

Cumulative Degree GPA: 2.0 minimum

Course	Title	Credits
Year 1		
Fall Semester		
MATH 111	College Algebra I	5
ENGL 100	Fundamentals of English	3
Introductory Language		4
General Education (HU)		3
General Education (SS)		3
General Education (SS)		
	Credits	**18**
Spring Semester		
ENGL 101	Composition and Reading	3
MATH 114	College Algebra II/Trigonometry	5
General Education (HU)		3
General Education (SS)		3
	Credits	**14**
	Total Credits	**32**

Course	Title	Credits
Year 2		
Fall Semester		
CSCI 241	Computer Science I	5
CSCI 231	Discrete Mathematics	3
General Education (HU)		3
Introductory Language		4
	Credits	**15**
Spring Semester		
CSCI 242	Computer Science II	4
MATH 221	Calculus and Analytic Geometry I	5
General Education (SS)		3
Introductory Language		4
	Credits	**16**
	Total Credits	**31**

Course	Title	Credits
Year 3		
CSCI 245	Assembly Language Programming	3
CSCI 380	Database Management Systems	3
Computer Science Elective		3
Computer Science Breadth		3
General Education (HU)		3
	Credits	**15**
Spring Semester		
CSCI 309	Probability and Statistics	3
CSCI 333	Programming Languages	3
CSCI 340	Data Structures and Algorithm Design	3
CSCI 355	Computer Architecture	3
Computer Science Elective		3
	Credits	**15**
	Total Credits	**30**

Course	Title	Credits
Year 4		
Fall Semester		
CSCI 370	Operating Systems	3
CSCI 495	Computer Science Seminar	2
Computer Science Breadth		3
CSCI 475	Software Engineering Principles and Practice I	3
CHEM 101/103 or PHYS 201	General Chemistry I or General Physics I	5
	Credits	**16**
Spring Semester		
CSCI 476	Software Engineering Principles and Practice II	3
Computer Science Elective		3
Computer Science Elective		3
Computer Science Breadth		3
General Elective OR DV course (if needed)		3
	Credits	**15**
	Total Credits	**31**

Computer Science/Mathematics Double Major (BS)

College: College of Business, Economics, and Computing

Program Learning Outcomes

1. Reasoned Judgment: An ability to apply knowledge of computing and mathematics appropriate to the discipline. An ability to analyze a problem, and identify and define the computing requirements appropriate to its solution. An ability to design, implement, and evaluate a computer-based system, process, component, or program to meet desired needs.
2. Social and Personal Responsibility: An ability to function effectively on teams to accomplish a common goal. An understanding

of professional, ethical, legal, security and social issues and responsibilities. An ability to analyze the local and global impact of computing on individuals, organizations, and society. Recognition of the need for and an ability to engage in continuing professional development.

3. Communication: An ability to communicate effectively with a range of audiences. An ability to use current techniques, skills, and tools necessary for computing practice.

Requirements for the Computer Science/ Mathematics Double Major

To be eligible for entrance into the double major students must have successfully completed MATH 221 Calculus and Analytic Geometry I and MATH 222 Calculus and Analytic Geometry II with a grade of C or better in each, or at the discretion of the Department.

Students may satisfy graduation requirements for both computer science and mathematics by completing all required courses for computer science with 9 elective credits and PHYS 201 General Physics I, together with the following mathematics courses (which automatically satisfy the computer science breadth requirement):

Code	Title	Credits
Required Math Courses		
MATH 222	Calculus and Analytic Geometry II	5
MATH 223	Calculus and Analytic Geometry III	5
MATH 301	Linear Algebra	4
MATH 303	Set Theory, Logic and Proof	4
MATH 317	Differential Equations and their Applications	4
MATH 350	Advanced Calculus	4
or MATH 367	Elementary Number Theory	
MATH 441	Abstract Algebra	4
Total Credits		**30**

Students completing the computer science/mathematics double major are strongly encouraged to take CSCI 410 Introduction to Data Science or CSCI 431 Computational Models as one of their electives.

General University Degree Requirements (Bachelor's Degree)

In addition to individual program requirements, students must also fulfill the following requirements:

Requirement	Credits
Skills	7-8
General Education	36
Foreign Language**	6-8
Ethnic Diversity	3
Total	52-55

** Transfer students in sustainable management, and health information management and technology collaborative, online degree-completion programs, the business management online degree-completion program, and the flexible option degree-completion program will be exempt from the university's foreign language requirement. See appropriate academic section for further information.

Skills Requirement (p. 13)

Code	Title	Credits
Reading and Writing		
ENGL 101	Composition and Reading	3
Computational Skills		
Select one of the following:		4-5
MATH 102	Quantitative Reasoning	
MATH 103	Elementary Statistics	
MATH 104	College Mathematics with Applications	
MATH 111	College Algebra I	
Total Credits		**7-8**

General Education (p. 13)

- General Education Course List (p. 157)

Foreign Language (p. 13)

Ethnic Diversity (p. 13)

Degree Requirements

Requirement	Credits
Minimum Total Credits	120
Upper Level Credits (300 level or above)	36
Residency	30

Cumulative Degree GPA: 2.0 minimum

Computer Science Minor

Department website (https://www.uwp.edu/learn/programs/compsciminor.cfm)

College: College of Business, Economics, and Computing

The computer science department offers a minor in computer science. It is designed to meet the needs of students who are majoring in another field, but who desire a deeper understanding of computers and software.

Requirements for the Computer Science Minor

Students seeking to minor in computer science must attain a minimum UW-Parkside cumulative GPA of 2.50 in all courses eligible to meet the student's computer science minor requirements.

Code	Title	Credits
Required Mathematics Course		
MATH 221	Calculus and Analytic Geometry I	5
Required Computer Science Courses		
CSCI/MATH 231	Discrete Mathematics	3
CSCI 241	Computer Science I	5
CSCI 242	Computer Science II	4
CSCI 340	Data Structures and Algorithm Design	3
or CSCI 380	Database Management Systems	
Elective Courses		

Select six credits of CSCI courses [1]	6
Total Credits	**26**

[1] Courses numbered 333 or above, excluding CSCI 495 Computer Science Seminar.

University Requirements for Minors

Course work in the minor must be completed with the minimum GPA as specified by the department or program under which the minor falls, usually a 2.00 on a 4.00 scale, but higher in some programs. Transfer students must attain the minimum specified GPA on a combination of transfer credits accepted toward the minor and credits attempted at UW-Parkside.

At least half of the course work required for a minor must be completed at UW-Parkside.

Web Development Minor

Department website (https://www.uwp.edu/learn/programs/webdevelopment.cfm)

College: College of Business, Economics, and Computing

The computer science department, in collaboration with the art and business departments, offers a minor in web development. The minor is designed for students who are seeking an in-depth technical understanding of website development and administration. Students completing the minor will be well situated to take on jobs as web programmers, web developers and web server administrators.

Requirements for the Web Development Minor

Code	Title	Credits
Required Courses		
ART 105	Introduction to Graphic Design	3
ART 377	Interactive Design I	3
ART 477	Interactive Design II	3
CSCI 241	Computer Science I	3-5
or MIS 221	Business Programming I	
CSCI 220	Client Web Programming	3
CSCI 322	Server Web Programming	3
CSCI 433	Web Development Project	3
Select one of the following:		3
ENGL 202	Technical Writing	
ENGL 204	Writing for Business and Industry	
COMM 255	Writing for Multimedia	
Elective Course		
Select one of the following:		3
CSCI 380	Database Management Systems	
CSCI 445	Web Application Security	
MIS 328	Database Management Systems	
MIS 422	Internet Programming	
CSCI 490	Special Topics In Computer Science (A pre-approved topic such as Web Services)	
or MIS 490	Special Topics in Management Information Systems	
Total Credits		**27-29**

University Requirements for Minors

Course work in the minor must be completed with the minimum GPA as specified by the department or program under which the minor falls, usually a 2.00 on a 4.00 scale, but higher in some programs. Transfer students must attain the minimum specified GPA on a combination of transfer credits accepted toward the minor and credits attempted at UW-Parkside.

At least half of the course work required for a minor must be completed at UW-Parkside.

Cybersecurity Certificate

Department website (https://www.uwp.edu/learn/programs/cybersecurity.cfm)

College: College of Business, Economics, and Computing

The computer science department offers a certificate in cybersecurity for students interested in careers as a security analyst or information systems auditor, or for students who wish to enhance their programming or IT careers. With the growth of computer networking and the web, cybersecurity has become of increasing importance to all organizations and users. Our certificate gives students a background in securing web applications, computers, servers, networks and organizations in general. The certificate is supported by a dedicated laboratory that is isolated from the rest of the campus network, allowing students to gain practical hands-on knowledge of the tools used to both attack and defend computers.

Undergraduate certificates are not available to students registered for graduate programs.

Program Learning Outcomes

1. Design, develop, test, and implement software using industry leading practices, and/or;\\n\\n
2. Develop information technology technical solutions.
3. Design and implement organizational and IT control mechanisms that lead to a reliable and secure information system.

Requirements for the Cybersecurity Certificate

Student must have successfully completed CSCI 241 and CSCI 242 or MIS 327 and MIS 328 to be eligible to be accepted into this certificate program.

All certificate credits must be taken at UW-Parkside.

Code	Title	Credits
Select three of the following:		9
CSCI 279	Basic Information Security	
or CSCI 479	Information Security Planning	
CSCI 445	Web Application Security	
CSCI 477	Computer Communications and Networks	
or MIS 424	Advanced Business Data Communications	
CSCI 478	Network Security	

CSCI 481	Security Risk	
Total Credits		**9**

University Requirements for Undergraduate Certificates

Course work in a certificate must be completed with a minimum 2.00 GPA. Departments or programs may require a higher GPA.

A minimum of 9 credits in a certificate program must be taken at UW-Parkside. Individual departments and programs may require more than 9 credits to be taken at UW-Parkside.

Data Science Certificate

Department website (https://www.uwp.edu/learn/programs/datascience.cfm)

College: College of Business, Economics, and Computing

The computer science department offers a certificate in data science, which combines mathematics, programming, statistics and advanced analytics, to analyze large data sources and databases for patterns and to predict trends. This empowers organizations to make intelligent decisions and plan strategically. This certificate provides background and experience for students interested in careers such as data scientist, data analyst and data and machine learning engineer.

These certificate classes are available in either synchronous online or online form. Many courses are also available in-person. Undergraduate certificates are not available to students registered in graduate programs.

Program Learning Outcomes

1. An ability to apply knowledge of computing and mathematics appropriate to the discipline.
2. An ability to analyze a problem, and identify and define the computing requirements appropriate to its solution.
3. An ability to design, implement, and evaluate a computer-based program to meet desired needs.
4. Analyze an IT/IS or business system using data science techniques.

Requirements for the Data Science Certificate

Code	Title	Credits
Required Courses		
CSCI 410	Introduction to Data Science	3
CSCI 411	Data Science Programming and Visualization	3
or CSCI 405	Artificial Intelligence	
CSCI 412	Data Mining and Machine Learning	3
or CSCI 415	Data Science/Machine Learning Project	
Total Credits		**9**

University Requirements for Undergraduate Certificates

Course work in a certificate must be completed with a minimum 2.00 GPA. Departments or programs may require a higher GPA.

A minimum of 9 credits in a certificate program must be taken at UW-Parkside. Individual departments and programs may require more than 9 credits to be taken at UW-Parkside.

Linux System Administration Certificate

Department website (https://www.uwp.edu/learn/programs/unixsystemadmin.cfm)

College: College of Business, Economics, and Computing

Today's internet platform is dominated by the Linux operating system, which is the core of cloud infrastructure and many internet services. UNIX and Linux system administration is critical for deploying and serving applications, web applications, databases, cloud services, virtual machines, servers, and more. Developers, programmers, system engineers, in addition to system administrators benefit from a deep understanding and fluency in Linux, shells, the command line, filesystems, utilities, editors, automation, hosting, network design, containerization, and application code deployment.

Undergraduate certificates are not available to students registered in graduate programs.

Program Learning Outcomes

1. Develop information technology technical solutions.
2. An ability to analyze a problem, and identify and define the computing requirements appropriate to its solution.
3. An ability to design, implement, and evaluate a computer-based system, process, component, or program to meet desired needs.
4. An understanding of professional and security issues and responsibilities.
5. An ability to use current techniques, skills, and tools necessary for computing practice.

Requirements for the Linux System Administration Certificate

Students need to minimally take CSCI 275 and CSCI 435 at UW-Parkside. All students must have a programming background; transfer students need one programming course at UW-Parkside to satisfy the residency requirement.

Code	Title	Credits
Required Course Options		
Select one of the following:		4-6
CSCI 241	Computer Science I	
CSCI 242	Computer Science II	
MIS 221 & MIS 322	Business Programming I and Business Programming II	
Required Courses		
CSCI 275	Linux Concepts, Tools and Scripting	2
CSCI 435	Linux System Administration	3
Total Credits		**9-11**

University Requirements for Undergraduate Certificates

Course work in a certificate must be completed with a minimum 2.00 GPA. Departments or programs may require a higher GPA.

A minimum of 9 credits in a certificate program must be taken at UW-Parkside. Individual departments and programs may require more than 9 credits to be taken at UW-Parkside.

Mobile Development Certificate

Department website (https://www.uwp.edu/learn/programs/movileappdevel.cfm)

College: College of Business, Economics, and Computing

The computer science department offers a certificate in mobile development for students interested in careers involving the development of applications for mobile devices. With the rise in popularity and functionality of mobile devices, the need for skilled mobile developers has increased. Our certificate provides students a background in writing software for multiple mobile device platforms, designing user interfaces for mobile devices, and designing networking architecture to connect mobile devices to each other. Individuals may enter the program at any point, depending on background and experience.

These certificate classes are available in either synchronous online or online form. Many classes are available in person. The CSCI 324 iOS Development course requires access to a Mac computer, which are also available on the UW-Parkside campus.

Undergraduate certificates are not available to students registered in a graduate program.

Program Learning Outcomes

1. An ability to analyze a problem, and identify and define the computing requirements appropriate to its solution.
2. An ability to design, implement, and evaluate a mobile web-based system, process, component, or program to meet desired needs.
3. An ability to use current techniques, skills, and tools necessary for computing practice.

Requirements for the Mobile Development Certificate

The following courses must be taken at UW-Parkside: CSCI 323, CSCI 324, and CSCI 424.

Code	Title	Credits
Required Courses		
CSCI 242	Computer Science II [1]	3-4
or CSCI 340	Data Structures and Algorithm Design	
CSCI 323	Mobile Development in Android	3
CSCI 324	Mobile Development in iOS	3
CSCI 424	Client/Server Development	3
Total Credits		**12-13**

[1] Note: CSCI 242 Computer Science II requires formal programming experience equivalent to CSCI 241 Computer Science I.

University Requirements for Undergraduate Certificates

Course work in a certificate must be completed with a minimum 2.00 GPA. Departments or programs may require a higher GPA.

A minimum of 9 credits in a certificate program must be taken at UW-Parkside. Individual departments and programs may require more than 9 credits to be taken at UW-Parkside.

Web Development Certificate

Department website (https://www.uwp.edu/learn/programs/webpublishing.cfm)

College: College of Business, Economics, and Computing

In cooperation with the art department, the computer science department offers a certificate in web development and publishing. The certificate serves traditional students who want to augment their major and improve their employability by adding web design and development skills, as well as professionals interested in the essentials of webpage design. The program offers competency in artistic web design, and client and server web programming.

Undergraduate certificates are not available to students registered in a graduate program.

Program Learning Outcomes

1. An ability to analyze a problem, and identify and define the web computing requirements appropriate to its solution.
2. An ability to design, implement, and evaluate a web-based client and system to meet desired needs.

Requirements for the Web Development Certificate

Code	Title	Credits
Required Courses		
ART 105	Introduction to Graphic Design	3
ART 377	Interactive Design I	3
CSCI 220	Client Web Programming	3
Electives		
CSCI 130	Introduction to Programming	3-5
or CSCI 241	Computer Science I	
CSCI 322	Server Web Programming	3
or ART 477	Interactive Design II	
Total Credits		**15-17**

University Requirements for Undergraduate Certificates

Course work in a certificate must be completed with a minimum 2.00 GPA. Departments or programs may require a higher GPA.

A minimum of 9 credits in a certificate program must be taken at UW-Parkside. Individual departments and programs may require more than 9 credits to be taken at UW-Parkside.

Criminal Justice

Department website (https://www.uwp.edu/learn/departments/criminaljustice/)

College: College of Social Sciences & Professional Studies

Student Organizations/Clubs:

Criminal Justice Association

Career Possibilities:

The criminal justice major is designed to provide a broad-based liberal arts education for undergraduates interested in careers in criminal justice. Increasingly, criminal justice agencies require bachelor's degrees for entry-level and management positions. Possible career opportunities include federal, state, and local law enforcement, attorneys, probation and parole officers, youth counselors, private investigators, criminal investigators, correctional officers, intelligence analysts, legal assistants, family violence counselors, victim-witness advocates and counselors, statistical research analysts, court administrators, customs officers, and border patrol agents.

Department Overview

The criminal justice major is an interdisciplinary field with emphasis on the social sciences. Criminal justice examines the scientific study of the structure and function of law enforcement, the courts and corrections. In other words, criminal justice examines decision-making processes, operations and other justice-related issues.

Programs Offered

- Criminal Justice Major (BA) (p. 119)
- Criminal Justice Minor (p. 120)

Courses in Criminal Justice

CRMJ 101 | Introduction to Criminal Justice | 3 cr

Introduces agencies and processes involved in the criminal justice system: law enforcement, the courts, corrections and juvenile justice. Analyzes the roles and problems within criminal justice agencies in a democratic society.
Prerequisites: None.
Offered: Fall, Spring, Summer.
Meets: Social & Behavioral Science: CRMJ, Social & Behavioral Science: CRMJ, Social & Behavioral Science: CRMJ, Social & Behavioral Science: CRMJ, Social & Behavioral Science: CRMJ

CRMJ 200 | Criminal Justice Research Methods | 3 cr

Covers methods, philosophy and sources of criminal justice research.
Prerequisites: CRMJ 101 or consent of instructor.
Offered: Fall, Spring, Summer.

CRMJ 233 | Criminology | 3 cr

Examines past and current theory and research including crime as a consequence of social, economic, political, and personal factors. Includes critique of approaches to prevention and correction. Cross-listed with: SOCA 233.
Prerequisites: CRMJ 101 or SOCA 101 or consent of instructor.
Offered: Fall.

CRMJ 234 | Juvenile Delinquency and Juvenile Justice | 3 cr

Covers conceptions of juvenile delinquency; the offender in the juvenile justice system; the philosophy, structure and function of juvenile courts; the philosophy, development, and organization of diversion, detention and treatment of the juvenile offender. Cross-listed with: SOCA 234.
Prerequisites: CRMJ 101 or SOCA 101, or consent of instructor.
Offered: Fall, Spring.

CRMJ 235 | Police and Society | 3 cr

Studies the various levels, roles and functions of law enforcement in America; evaluates the nature and responsibilities of law enforcement including police accountability and civil liability. Examines the racial, ethnic, and gender issues in law enforcement. Cross-listed with: SOCA 235.
Prerequisites: CRMJ 101 or SOCA 101, or consent of instructor.
Offered: Fall, Spring.

CRMJ 290 | Special Topics in Criminal Justice | 3 cr

Selected topics in criminal justice will be examined. General elective only, not upper-level elective.
Prerequisites: Consent of instructor.
Offered: Occasionally.

CRMJ 301 | Criminalistics | 3 cr

Introduces forensic science pertaining to criminal investigations. Explores theories underlying both comparative and analytical forensic sciences, as well as the methods used in collecting evidence from a (crime) scene. Addresses techniques for discerning valid scientific methods.
Prerequisites: CRMJ 101.
Offered: Spring.

CRMJ 305 | Family Violence | 3 cr

Examines the criminal justice response to family violence, including child abuse, spousal abuse, elder abuse, and date rape. Explores prevalence and extent of family violence as well as strategies for treatment and prevention. Cross-listed with: SOCA 305.
Prerequisites: CRMJ 101 or SOCA 101.
Offered: Fall.

CRMJ 316 | Criminal Procedure | 3 cr

This course provides a selective analysis of the constitutional amendments most relevant to criminal justice process. Designed to complement criminal law and criminal court process, it offers a comprehensive explanation of the Fourth, Fifth, Sixth, Eighth, and Fourteenth amendments; more commonly known as the criminal justice amendments.
Prerequisites: CRMJ 101 or consent of instructor.
Offered: Fall.

CRMJ 325 | Restorative Justice | 3 cr

Examines the basic principles of restorative justice and its variants, such as transformative justice, peacemaking criminology, and community justice systems.
Prerequisites: CRMJ 101 or consent of instructor.
Offered: Occasionally.

CRMJ 340 | Introduction to Cyber Crime | 3 cr
Explores crime perpetrated via computers and/or other electronic means. Addresses the legal issues involved in cyber crime investigations.
Prerequisites: CRMJ 101, Junior standing; or consent of instructor.
Offered: Spring.

CRMJ 344 | Organized Crime | 3 cr
This course examines the development of organized crime in America and internationally, including the history, development, ethnic links, and impact on society and the economy. International cooperation in addressing the problem of organized crime will be covered.
Prerequisites: CRMJ 101 or consent of instructor.
Offered: Occasionally.

CRMJ 345 | White Collar Crime | 3 cr
This course covers a variety of issues in white collar and corporate crime including the kinds of offenses officially defined in the law as white collar crime. Criminological theories about white collar crime, including controversies over how it is defined, will be reviewed.
Prerequisites: CRMJ 101 or consent of instructor.
Offered: Occasionally.

CRMJ 350 | Street Gangs and Crime | 3 cr
Examines the history of gangs and current gang culture. Explores the nature of and social context of the "gang problem". Investigates community-based and legal intervention strategies.
Prerequisites: CRMJ 101, junior; consent of instructor.
Offered: Fall.

CRMJ 353 | Criminal Justice/Social Justice | 3 cr
This course explores the theory, policy and practice of justice from the criminological, sociological and philosophical perspectives of justice. The relationship between criminal justice and social justice will be examined.
Prerequisites: CRMJ 101 or consent of instructor.
Offered: Occasionally.

CRMJ 355 | Forensic Evidence | 3 cr
This course covers a variety of issues in forensic evidence including the types of scientific evidence frequently encountered in the courts. Particular emphasis on scientific evidence in criminal court proceedings and a few selected cases involving introduction of scientific evidence in the courts, will be reviewed.
Prerequisites: CRMJ 101 or consent of instructor.
Offered: Occasionally.

CRMJ 357 | Forensic Recovery Methods | 3 cr
Discusses foundational knowledge of forensic archaeological recovery methods and anthropological analysis. Includes survey and search methods, evidence collection and the chain of custody, laboratory analysis, forensic photographic methods, and report construction.
Prerequisites: CRMJ 101.
Offered: Spring, Summer.

CRMJ 359 | Law and Society | 3 cr
Explores selected legal rules, principles, and institutions from a sociological perspective, including influence of culture and social organization on law; role of law in social change; social aspects of the administration of justice; and social knowledge and law. Cross-listed with: SOCA 359.
Prerequisites: CRMJ 101 or SOCA 101.
Offered: Occasionally.

CRMJ 362 | Community Corrections | 3 cr
An overview of major components of community-based methods of correctional supervision with an emphasis on probation and parole. Community supervision will be examined from historical, philosophical, social and legal perspectives.
Prerequisites: CRMJ 101 or consent of instructor.
Offered: Occasionally.

CRMJ 363 | Corrections | 3 cr
Analyzes the organization of correctional agencies and the role of corrections in the criminal justice system. Includes review of theories, practices, systems, and treatment methods. Cross-listed with: SOCA 363.
Prerequisites: CRMJ 101 or SOCA 101.
Offered: Fall, Spring.

CRMJ 364 | Capital Punishment | 3 cr
An examination of historic and current trends in capital punishment. Considers the literature and philosophical basis of capital punishment, and other issues (e.g., the costs, future trends). Provides an in-depth examination of capital punishment from a criminal justice policy perspective.
Prerequisites: CRMJ 101 or consent of instructor.
Offered: Occasionally.

CRMJ 365 | Race, Crime, Law | 3 cr
Explores the intersections of race, crime and law in terms of the historical context, the present day situation and future directions. Focuses on multiple perspectives from offender to victim to criminal justice practitioner. Community-based learning designation. Cross-listed with: SOCA 365.
Prerequisites: CRMJ 101 or SOCA 101; junior standing.
Offered: Fall, Spring.
Meets: Ethnic Diversity, Community Based Learning, Ethnic Diversity, Community Based Learning, Ethnic Diversity, Community Based Learning, Ethnic Diversity, Community Based Learning, Ethnic Diversity, Community Based Learning

CRMJ 366 | Women, Crime and Criminal Justice | 3 cr
This course examines the study of female crime and delinquency. In addition to women as offenders, this course focuses on women as victims and workers in the criminal justice system. Cross-listed with: WGSS 366.
Prerequisites: CRMJ 101 or consent of instructor.
Offered: Occasionally.

CRMJ 367 | Latinos(as) and the Law | 3 cr
Introduces and examines experiences Latinos(as) encounter with and within the U.S. criminal justice system, as well as related international and transnational issues. Uses a range of theoretical frameworks, including socio-ecological, political and psychological. Cross-listed with: LBST 367/POLS 367.
Prerequisites: CRMJ 101 or POLS 100; or consent of instructor.
Offered: Occasionally.
Meets: Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity

CRMJ 368 | Victimology | 3 cr
Examines the causes and consequences of crime victimization including the history and re-emergence of the study of the victim and types and circumstances of victimization. Addresses victims' rights and the victims' rights movement. Cross-listed with: SOCA 368.
Prerequisites: CRMJ 101 or SOCA 101.
Offered: Spring.

CRMJ 371 | The Criminal Mind | 3 cr
Examines criminal behavior in relation to learning factors, psychopathy, juvenile delinquency, mental disorder, violence and homicide, sexual offenses, economic crimes, drugs and alcohol and the correctional system.
Prerequisites: CRMJ 101 or consent of instructor.
Offered: Occasionally.

CRMJ 372 | Violence | 3 cr
Introduces the study of violence and offers a historically grounded, multidisciplinary approach that integrates perspectives from the social sciences, humanities, and the natural and physical sciences in order to provide a comparative framework within which to understand violence.
Prerequisites: CRMJ 101 or consent of instructor.
Offered: Fall, Spring.

CRMJ 373 | Criminal Justice and Mental Health | 3 cr
Explores historical and cultural contexts relating to individuals with severe and persistent mental conditions within the criminal justice system. Community-based learning designation.
Prerequisites: CRMJ 101 or consent of instructor.
Offered: Yearly.
Meets: Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning

CRMJ 374 | Crime and Human Rights | 3 cr
Focuses on the interrelationship between crime and human rights. Discusses the Bill of Rights especially the freedom of expression, fundamental fairness and equality. Examines the American criminal justice system via the works of prominent writers, researchers and activists.
Prerequisites: CRMJ 101 or consent of instructor.
Offered: Occasionally.

CRMJ 375 | Criminal Court Process | 3 cr
An analysis of the criminal court process from the formal charging of criminal cases through sentencing. An examination of the manner in which cases move through the criminal court system.
Prerequisites: CRMJ 101 or consent of instructor.
Offered: Occasionally.

CRMJ 376 | Homicide | 3 cr
Examines the history, cultural myths, and technical aspects of homicide. Focuses on the major divisions between types of homicides, methods of homicide, and underpinning sociobiological components of individuals who commit the crime.
Prerequisites: CRMJ 101 or SOCA 101.
Offered: Spring.

CRMJ 380 | Criminal Law | 3 cr
An analysis of substantive criminal law. Included are elements of crime; crimes against person, property and public morality; complicity; and inchoate crime.
Prerequisites: CRMJ 101 or consent of instructor.
Offered: Yearly.

CRMJ 385 | Media, Crime and Criminal Justice | 3 cr
Examines interrelationship among the mass media, crime and criminal justice. Covers media and the social construction of crime, crime and justice in the entertainment and news media, media as a cause of crime, and media-based anti-crime efforts. Cross-listed with: COMM 384.
Prerequisites: CRMJ 101 or consent of instructor.
Offered: Fall.

CRMJ 387 | Terrorism and Security | 3 cr
This course explores and examines the phenomenon of terrorism from a global context. Focusing on a critical understanding of the history and theories of terrorism as well as the societal responses to terrorism, and the civil and human rights implications of such response.
Prerequisites: CRMJ 101 or consent of instructor.
Offered: Occasionally.

CRMJ 388 | Comparative and International Criminal Justice Systems | 3 cr
Examines theory and methods of comparative criminal justice. Surveys of the procedures and processes employed by other countries to identify, adjudicate and respond to crime and deviant behaviors.
Prerequisites: CRMJ 101 or consent of instructor.
Offered: Occasionally.

CRMJ 391 | The Criminal Justice Profession | 3 cr
This course examines the development of criminal justice profession-the historical changes, present-day issues and future directions. In addition, this course focuses on various issues such as professional socialization ranging from the macro-occupational structure of the profession to the micro-processes of becoming a criminal justice professional, traditional and non-traditional career paths within criminal justice, promotions, and professional advancement.
Prerequisites: CRMJ 101 or consent of instructor.
Offered: Occasionally.

CRMJ 401 | Repatriation: The Return of Human Remains | 3 cr
Examines ethics and laws pertaining to the repatriation of human remains to their descendent communities. Delves into analysis and synthesis of human and community- impacting data, policies, and procedures in light of evolving ethical concerns as well as legal precedents at both the state and federal levels.
Prerequisites: CRMJ 101 or ANTH 100.
Offered: Fall, Spring.

CRMJ 490 | Special Topics in Criminal Justice | 3 cr
Selected topics in criminal justice are offered and the content varies from semester to semester. May repeat with different topic.
Prerequisites: CRMJ 101 and junior standing, or consent of instructor.
Offered: Occasionally.

CRMJ 492 | Criminal Justice Research Seminar | 3 cr
A selected criminal justice research project at the advanced level will be offered to students under faculty supervision. Hands-on community research will be conducted as a class project. Research projects will vary from semester to semester. May be repeated for credit with different projects.
Prerequisites: CRMJ 101, junior standing, and consent of the instructor.
Offered: Occasionally.

CRMJ 494 | Criminal Justice Internship | 3-6 cr
Field experience designed to further the student's integration of theory and practice in a professional setting. Potential placement include federal, state, country and municipal criminal justice or administrative law agencies or nonprofit residential treatment facilities. Only 3 credits of the 6 credits can be used to fulfill the criminal justice upper-level elective credit.
Prerequisites: Junior standing, degree GPA of 2.25, criminal justice major, departmental permission required.
Offered: Fall, Spring, Summer.

CRMJ 499 | Independent Study | 1-4 cr
Provides opportunities for independent work on specific problems in criminal justice not explored in existing curriculum under faculty supervision.
Prerequisites: Criminal justice major; junior standing, and consent of instructor and department chair.
Offered: Occasionally.

Criminal Justice Major (BA)

Department website (https://www.uwp.edu/learn/programs/criminal-justice.cfm)

College: College of Social Sciences & Professional Studies

The criminal justice major provides preparation for professional and graduate studies in law, criminology, criminal justice, sociology, public administration, and other related fields.

Program Level Outcomes

1. Improve the Justice System - by communicating the results of criminal justice concepts and criminological theories to articulate methods and strategies to improve our justice system.
2. Advance the Scientific Basis - exercise reasoned judgment to advance the scientific basis of criminal justice practices, policies and procedures by identifying and evaluating research needs and priorities of our justice agencies.
3. Promote Ethical Principles and Practices - demonstrate social and personal responsibility by evaluating evidence, acting ethically, and reflecting the values that are the underpinnings of criminal justice as an academic discipline.

Requirements for the Criminal Justice Major

This 42-credit major includes a core of 27 credits of criminal justice courses and 15 credits of upper-level electives. At least 15 credits of upper-level courses in the major must be completed at UW-Parkside. An internship is strongly recommended.

Courses are selected in consultation with your academic advisor.

Code	Title	Credits
Required Core Courses		
CRMJ 101	Introduction to Criminal Justice	3
CRMJ 200	Criminal Justice Research Methods	3
CRMJ 233	Criminology	3
CRMJ 234	Juvenile Delinquency and Juvenile Justice	3
CRMJ 235	Police and Society	3
CRMJ 316	Criminal Procedure	3
CRMJ 363	Corrections	3
CRMJ 365	Race, Crime, Law	3
CRMJ 380	Criminal Law	3
Required Core Courses Subtotal		27
Upper-Level Electives		
Select five of the following suggested 300-level electives relevant to possible career tracks:		15
Law Enforcement		
ANTH 310	Forensic Anthropology	
CRMJ 305	Family Violence	
CRMJ 340	Introduction to Cyber Crime	
CRMJ 344	Organized Crime	
CRMJ 345	White Collar Crime	
CRMJ 350	Street Gangs and Crime	
CRMJ 355	Forensic Evidence	
CRMJ 366	Women, Crime and Criminal Justice	
CRMJ 368	Victimology	
CRMJ 371	The Criminal Mind	
CRMJ 372	Violence	
CRMJ 387	Terrorism and Security	
PHIL 328	Ethics in the Criminal Justice System	
POLS 310	Constitutional Law: Civil Liberties	
Courts/Law		
CRMJ 359	Law and Society	
CRMJ 371	The Criminal Mind	
CRMJ 375	Criminal Court Process	
PHIL 328	Ethics in the Criminal Justice System	
POLS 310	Constitutional Law: Civil Liberties	
POLS 320	Constitutional Law: The Structure and Power of U.S. Government	
Corrections		
CRMJ 305	Family Violence	
CRMJ 325	Restorative Justice	
CRMJ 362	Community Corrections	
CRMJ 364	Capital Punishment	
CRMJ 366	Women, Crime and Criminal Justice	
CRMJ 371	The Criminal Mind	
CRMJ 372	Violence	
PHIL 320	Value Theory	
PHIL 328	Ethics in the Criminal Justice System	
Juvenile Justice		
CRMJ 305	Family Violence	
CRMJ 366	Women, Crime and Criminal Justice	
CRMJ 372	Violence	
CRMJ 391	The Criminal Justice Profession	
PHIL 328	Ethics in the Criminal Justice System	
Criminal Justice/Social Justice		
CRMJ 353	Criminal Justice/Social Justice	
CRMJ 359	Law and Society	
CRMJ 367	Latinos(as) and the Law	
CRMJ 374	Crime and Human Rights	
CRMJ 385	Media, Crime and Criminal Justice	
CRMJ 388	Comparative and International Criminal Justice Systems	
CRMJ 391	The Criminal Justice Profession	
CRMJ 492	Criminal Justice Research Seminar	
CRMJ 494	Criminal Justice Internship [1]	
POLS 316	Diversity Law: African Americans	
Upper-Level Electives Subtotal		15
Total Credits		**42**

[1] Only 3 credits of CRMJ 494 Criminal Justice Internship will count toward criminal justice upper-division elective credits

General University Degree Requirements (Bachelor's Degree)

In addition to individual program requirements, students must also fulfill the following requirements:

Requirement	Credits
Skills	7-8
General Education	36
Foreign Language**	6-8
Ethnic Diversity	3
Total	52-55

** Transfer students in sustainable management, and health information management and technology collaborative, online degree-completion programs, the business management online degree-completion program, and the flexible option degree-completion program will be exempt from the university's foreign language requirement. See appropriate academic section for further information.

Skills Requirement (p. 13)

Code	Title	Credits
Reading and Writing		
ENGL 101	Composition and Reading	3
Computational Skills		
Select one of the following:		4-5
MATH 102	Quantitative Reasoning	
MATH 103	Elementary Statistics	
MATH 104	College Mathematics with Applications	
MATH 111	College Algebra I	
Total Credits		**7-8**

General Education (p. 13)

- General Education Course List (p. 157)

Foreign Language (p. 13)

Ethnic Diversity (p. 13)

Degree Requirements

Requirement	Credits
Minimum Total Credits	120
Upper Level Credits (300 level or above)	36
Residency	30

Cumulative Degree GPA: 2.0 minimum

Criminal Justice Minor

Department website (https://www.uwp.edu/learn/programs/criminaljusticeminor.cfm)

College: College of Social Sciences & Professional Studies

Requirements for the Criminal Justice Minor

Code	Title	Credits
Core Courses		
CRMJ 101	Introduction to Criminal Justice	3
Select three of the following:		9
CRMJ 233	Criminology	
CRMJ 234	Juvenile Delinquency and Juvenile Justice	
CRMJ 235	Police and Society	
CRMJ 316	Criminal Procedure	
CRMJ 363	Corrections	
CRMJ 365	Race, Crime, Law	
CRMJ 380	Criminal Law	
Research Methods/Statistics		
CRMJ 200	Criminal Justice Research Methods [1]	3
Upper-Level Electives		
Select three of the following suggested 300-level electives relevant to possible career tracks:		9
Law Enforcement		
ANTH 310	Forensic Anthropology	
CRMJ 305	Family Violence	
CRMJ 340	Introduction to Cyber Crime	
CRMJ 344	Organized Crime	
CRMJ 345	White Collar Crime	
CRMJ 350	Street Gangs and Crime	
CRMJ 355	Forensic Evidence	
CRMJ 366	Women, Crime and Criminal Justice	
CRMJ 368	Victimology	
CRMJ 371	The Criminal Mind	
CRMJ 372	Violence	
CRMJ 387	Terrorism and Security	
PHIL 328	Ethics in the Criminal Justice System	
POLS 310	Constitutional Law: Civil Liberties	
Courts/Law		
CRMJ 359	Law and Society	
CRMJ 371	The Criminal Mind	
CRMJ 375	Criminal Court Process	
PHIL 328	Ethics in the Criminal Justice System	
POLS 310	Constitutional Law: Civil Liberties	
POLS 320	Constitutional Law: The Structure and Power of U.S. Government	
Corrections		
CRMJ 305	Family Violence	
CRMJ 325	Restorative Justice	
CRMJ 362	Community Corrections	
CRMJ 364	Capital Punishment	
CRMJ 366	Women, Crime and Criminal Justice	
CRMJ 371	The Criminal Mind	
CRMJ 372	Violence	
PHIL 320	Value Theory	

PHIL 328	Ethics in the Criminal Justice System
Juvenile Justice	
CRMJ 305	Family Violence
CRMJ 366	Women, Crime and Criminal Justice
CRMJ 372	Violence
CRMJ 391	The Criminal Justice Profession
PHIL 328	Ethics in the Criminal Justice System
Criminal Justice/Social Justice	
CRMJ 353	Criminal Justice/Social Justice
CRMJ 359	Law and Society
CRMJ 367	Latinos(as) and the Law
CRMJ 374	Crime and Human Rights
CRMJ 385	Media, Crime and Criminal Justice
CRMJ 388	Comparative and International Criminal Justice Systems
CRMJ 391	The Criminal Justice Profession
POLS 316	Diversity Law: African Americans
CRMJ 492	Criminal Justice Research Seminar
Total Credits	**24**

[1] or equivalent methods/statistics course approved by the criminal justice advisor.

University Requirements for Minors

Course work in the minor must be completed with the minimum GPA as specified by the department or program under which the minor falls, usually a 2.00 on a 4.00 scale, but higher in some programs. Transfer students must attain the minimum specified GPA on a combination of transfer credits accepted toward the minor and credits attempted at UW-Parkside.

At least half of the course work required for a minor must be completed at UW-Parkside.

Economics

Department website (https://www.uwp.edu/learn/departments/economics/)

College: College of Business, Economics, and Computing

Student Organizations/Clubs:

Economics Club; Economics Honor Society Omicron Delta Epsilon.

Career Possibilities:

Graduates with a bachelor's degree in economics are employed in a wide variety of jobs in both the private and public sectors of the economy. Recent economics graduates have obtained positions at Amazon, Snap-on Inc., Modine Manufacturing, Humana Healthcare, US Bank, Northwestern Mutual, Blue Cross and Blue Shield, Educators Credit Union, CNH Industrial, Hewitt Associates, the U.S. Veteran's Administration, Prudential Financial, Fannie Mae, Cardinal Health, the U.S. Internal Revenue Service, S.C. Johnson, the Shedd Aquarium, Mercer, Joy Global, AXA Advisors, Johnson Controls, Merz North America, BMO Global Asset Management, and Johnson Bank. In addition, economics graduates have become teachers in area high schools or have begun their professional careers by working for local government agencies or nonprofit organizations. Other economics graduates have harnessed their entrepreneurial abilities and have started up their own firms, such as PricingCloud LLC, IVT Investment Group, LH Consulting, and Edgerton Travel Plaza.

Department Overview

Economics is the study of rational choice and the allocation of scarce resources in light of social values and competing needs and wants. Economics examines the fundamental choices that individuals, businesses, and governments face: what goods and services should be produced; how should they be produced; and how should they be distributed in today's interconnected world. Studying economics develops methods of thinking that can be directly applied to a wide variety of problems in many different areas. The Economics Department teaches core principles and theory courses in microeconomics and macroeconomics and a wide range of advanced elective courses in various subfields of economics, including economic development, environmental economics, financial economics, industrial organization, international economics, labor economics, money and banking, public economics, and sports economics. Economics graduates possess analytical and problem-solving skills that enable them to understand economic phenomena and make optimal economic decisions.

The Economics Department offers a bachelor of arts degree with a major in economics and a minor in economics. Within the economics major, three courses of study are possible: the general major; the monetary and financial economics concentration in the major; and the quantitative concentration in the major.

The Economics Department also offers an associate of science degree in financial economics. The AS-Financial Economics focuses on the functions and operation of the financial and banking sectors of the economy. After completing this degree, a student will have a significant amount of coursework that can be directly applied toward a bachelor's degree in either economics, business management, accounting, marketing, or a number of other majors.

Programs Offered

- Economics Major (BA) (p. 123)
- Economics Minor (p. 127)
- Financial Economics (AS) (p. 45)

Economics Major Concentrations

- Monetary and Financial Economics
- Quantitative Economics

Courses in Economics (ECON)

ECON 101 | The American Economy | 3 cr
Provides an overview of the basic economic forces, institutions, and policy governing the U.S. economy. A one-semester survey course for students not intending to major in economics or business management. Not open to students with credit in ECON 120 or 121.
Prerequisites: None.
Offered: Fall, Spring, Summer.
Meets: Social & Behavioral Science: ECON, Social & Behavioral Science: ECON, Social & Behavioral Science: ECON, Social & Behavioral Science: ECON, Social & Behavioral Science: ECON

ECON 120 | Principles of Microeconomics | 3 cr
Develops and applies principles and models of demand and supply, consumer behavior, producer behavior, competitive and imperfectly competitive markets, and related contemporary economic policy issues.
Prerequisites: MATH 104 or MATH 111 with a C- or better.
Offered: Fall, Spring, Summer.
Meets: Social & Behavioral Science: ECON, Social & Behavioral Science: ECON, Social & Behavioral Science: ECON, Social & Behavioral Science: ECON, Social & Behavioral Science: ECON

ECON 121 | Principles of Macroeconomics | 3 cr
Develops and applies principles and models of economic aggregates such as national income, unemployment, inflation, economic growth, and the monetary system and analyzes monetary and fiscal policy.
Prerequisites: MATH 104 or MATH 111 with a C- or better.
Offered: Fall, Spring, Summer.
Meets: Social & Behavioral Science: ECON, Social & Behavioral Science: ECON, Social & Behavioral Science: ECON, Social & Behavioral Science: ECON, Social & Behavioral Science: ECON

ECON 210 | Contemporary Economic Issues | 3 cr
Discusses and analyzes current economic issues using basic economic principles. May include topical guest lectures by economics faculty.
Prerequisites: ECON 101, ECON 120 or ECON 121.
Offered: Occasionally.

ECON 250 | Economics of Discrimination In Banking | 3 cr
Examines mortgage lending discrimination by banks/lenders, contributing to ethnic and gender disparities in home ownership. Explores reforms to make the current fair-lending system more effective.
Prerequisites: None.
Offered: Winterim.
Meets: Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity

ECON 260 | Industrial Organization and Public Policy | 3 cr
Investigates patterns of market structures and business strategies, analyzes policies regarding collusive behavior and monopolization, and discusses current regulatory issues. Offered simultaneously with ECON 360. Cannot receive credit for both ECON 260 and ECON 360.
Prerequisites: ECON 120.
Offered: Fall.

ECON 290 | Special Topics In Economics | 1-3 cr
Examines economic issues, problems and events of current interest. Subject matter varies. May be repeated with different topic.
Prerequisites: ECON 101, ECON 120 or ECON 121; or consent of instructor.
Offered: Occasionally.

ECON 300 | Environmental Economics | 3 cr
Examines the relationships between economic behavior and environmental quality and analyzes environmental policies in terms of social benefit and costs, incentives and economic efficiency.
Prerequisites: ECON 120.
Offered: Spring (odd years).

ECON 305 | Economics of Sports | 3 cr
Examines economic issues in professional sports such as labor relations, player salaries, ticket prices, franchises values. competitive balance, stadium financing, and market structure.
Prerequisites: ECON 120; or consent of instructor.
Offered: Spring (odd years).

ECON 308 | Economic Development | 3 cr
Studies economic problems and prospects of developing nations, considers theories, methods, and practices of economic development and sustainable development.
Prerequisites: ECON 120, ECON 121.
Offered: Occasionally.

ECON 320 | Intermediate Micro Theory | 3 cr
Develops and applies theories of consumption, production, market structures, general equilibrium, and welfare economics.
Prerequisites: ECON 120, ECON 121.
Offered: Fall.

ECON 321 | Intermediate Macro Theory | 3 cr
Develops and applies theories of aggregate demand and supply, national income and GDP, savings and consumption, investment, net exports, balance of payment, and schools of economic thought. Examines monetary and fiscal policies.
Prerequisites: ECON 120, ECON 121.
Offered: Spring.

ECON 340 | Health Economics | 3 cr
Applies theories form microeconomics to analyze the functions of the U.S. health care system. Examines the institutional characteristics of the health care market and utilizes data and empirical methods to evaluate the impacts of health care policies.
Prerequisites: ECON 120.
Offered: Occasionally.

ECON 360 | Industrial Organization and Public Policy | 3 cr
Investigates patterns of market structures and business strategies, analyzes policies regarding collusive behavior and monopolization, and discusses current regulatory issues. A research project is required. Offered simultaneously with ECON 260. Cannot receive credit for both ECON 260 and ECON 360.
Prerequisites: ECON 120.
Offered: Fall.

ECON 366 | Money and Banking | 3 cr
Analyzes the role of money; money creation; the operation of central and commercial banks; monetary policy, and international monetary systems. Multi-career cross-listing: ECON 566.
Prerequisites: ECON 120, ECON 121.
Offered: Fall.

ECON 367 | Financial Institutions and Markets | 3 cr
Examines financial institutions, money and capital markets, sources and uses of funds, the determination of market yields, asymmetric information, and risk. Multi-career cross-listing: ECON 567.
Prerequisites: ECON 120, ECON 121.
Offered: Spring.

ECON 375 | Game Theory in Economics and Business | 3 cr
Applies the concepts and tools of game theory to analyze decision making and strategic behavior of interdependent individuals and organizations in the context of economics and business.
Prerequisites: ECON 120 or 121; ECON 320 and MATH 221 recommended.
Offered: Spring (even years).

ECON 380 | The Labor Market | 3 cr
Analyzes the economic and social forces determining labor supply and demand, unemployment, labor mobility, human capital, discrimination by race and gender, and earnings inequality.
Prerequisites: ECON 120.
Offered: Spring (even years).

ECON 388 | Big Data and Causal Inference | 3 cr
Explores modern methods in data analytics and causal inference, develops basic programming skills for data analytics, and applies analytical and quantitative tools to evaluate the economic impact of public policies and programs.
Prerequisites: ECON 120 and QM 210; ECON 409 is recommended.
Offered: Occasionally.

ECON 402 | International Economics | 3 cr
Examines theories of international trade, government policy toward international trade, international trading arrangements and institutions, foreign exchange markets, international monetary arrangements and investments, theories of balance of payments, and open economy macroeconomics. Multi-career cross-listing: ECON 602.
Prerequisites: ECON 120, ECON 121; ECON 321 recommended.
Offered: Fall.

ECON 409 | Econometrics | 3 cr
Develops standard econometric techniques and applies them to economic issues and problems. Topics include multiple regression, dummy variables, forecasting, and problems of autocorrelation, multicollinearity, and heteroscedasticity. Multi-career cross-listing: ECON 609.
Prerequisites: ECON 120, ECON 121, and QM 210; or consent of instructor; ECON 320 or 321 recommended.
Offered: Fall.

ECON 412 | Managerial Economics | 3 cr
Develops and applies microeconomic models and quantitative and optimizing techniques to business decisions involving demand, production, cost, market structure and pricing. Multi-career cross-listing: ECON 612.
Prerequisites: ECON 320, QM 210, MATH 221.
Offered: Spring (even years).

ECON 490 | Special Topics in Economics | 1-3 cr
Examines selected topics in economics. Subject matter varies. May be repeated with different topic.
Prerequisites: ECON 101, ECON 120, ECON 121; or consent of instructor.
Offered: Occasionally.

ECON 492 | Research Experience in Economics | 1-3 cr
A supervised learning experience assisting in faculty research. No more than 3 credits may be applied toward economics major.
Prerequisites: Senior standing, 3.00 GPA, economics major with 21 economics credits, consent of instructor.
Offered: Fall, Spring, Summer.

ECON 494 | Economics Internship | 1-3 cr
A supervised learning experience in either the public or private sector. Enrollment dependent on availability of suitable placement opportunities. Credit may not be applied toward economics major or minor.
Prerequisites: 2.5 GPA, consent of instructor and department chair.
Offered: Fall, Spring, Summer.

ECON 499 | Independent Study | 1-3 cr
Available to qualified students under supervision of individual instructor. Topics must be mutually agreed upon by student and professor.
Prerequisites: Consent of instructor and department chair.
Offered: Fall, Spring, Summer.

Economics Major (BA)

Department website (https://www.uwp.edu/learn/programs/economics.cfm)

College: College of Business, Economics, and Computing

Economics is the study of rational choice and the allocation of scarce resources in light of social values and competing needs and wants. Economics examines the fundamental choices that individuals, businesses, and governments face: what goods and services should be produced; how should they be produced; and how should they be distributed in today's interconnected world. Studying economics develops methods of thinking that can be directly applied to a wide variety of problems in many different areas. The Economics Department teaches core principles and theory courses in microeconomics and macroeconomics and a wide range of advanced elective courses in various subfields of economics, including economic development, environmental economics, financial economics, industrial organization, international economics, labor economics, money and banking, public economics, and sports economics. Economics graduates possess analytical and problem-solving skills that enable them to understand economic phenomena and make optimal economic decisions.

Graduates with a bachelor's degree in economics are employed in a wide variety of jobs in both the private and public sectors of the economy. For example, recent economics graduates have obtained positions as a pricing analyst at BMO-Harris Bank, analytics manager at Ascension, financial analyst at AbbVie, credit analyst at Wintrust Financial, revenue officer at the U.S. Internal Revenue Service, logistics finance analyst at CNH Industrial, business intelligence engineer at Amazon, data reporting specialist at Carthage College, and vice president & retirement plan consultant at Associated Bank. Other economics graduates have harnessed their entrepreneurial abilities and have started their own firms, such as Pricing Cloud LLC and IVT Investment Group. The economics program provides an excellent background for graduate work in business, law, or the social sciences.

Internships

The internship in economics is a 1-3 credit learning experience in either the private or public sector for students with a minimum 2.50 cumulative GPA and with department approval.

Preparation for Graduate School

The economics program provides an excellent foundation for advanced graduate work in economics, business, law, or the social sciences. The quantitative concentration in the economics major is designed particularly for students who expect to study economics or related fields in graduate school. Recent economics graduates have been accepted into graduate programs at the University of Georgia, George Washington University, the University of Oregon, the University of Wisconsin-Milwaukee, Boston University, and the University of Wisconsin-Madison.

Recommended Courses Outside of Economics

Economics majors who are either seeking a career in business or planning on pursuing an M.B.A. at UW-Parkside are strongly encouraged to complete a minor in business management. Please consult the Business Department for details.

Program Learning Outcomes

1. Economics graduates will be able to evaluate the implications of economic scarcity in the context of resource allocation, production, and consumption and various economic institutions (aligns with

Reasoned Judgment). Objectives: Students can compare and evaluate the consequences of and the tradeoffs resulting from economic scarcity in the context of different market structures. Students can compare and evaluate the consequences of and the tradeoffs resulting from economic scarcity in the context of macroeconomic variables.

2. Economics graduates will be able to apply tools of economic decision-making to make optimal (efficient) economic decisions (aligns with Reasoned Judgment). Objectives: Students can construct and apply economic models and analytical tools to explain economic relationships and evaluate solutions to economic problems. Students can create economic databases, work effectively with data, and perform quantitative analysis.
3. Economics graduates will be able to evaluate the desirability of economic decisions and policies in terms of their effects on individual and social welfare (aligns with Social and Personal Responsibility). Objectives: Students can compare and evaluate changes in the economic welfare of individuals, households, firms, government, and society resulting from domestic economic policies and global external economic shocks. Students can compare and evaluate changes in the economic welfare of individuals and households in the context of diversity, equity, and other social goals.
4. Economics graduates will be able to communicate economic concepts, data, models, theories, and analysis effectively using various forms of media and communication technologies (aligns with Communication). Objectives: Students can communicate in writing and by using tables, graphs, or mathematical representations (models) effectively to demonstrate comprehension of the underlying economic concepts and relationships. Students can communicate verbally by using the spoken word or multimedia technologies effectively.

Requirements for the Economics Major

Economics majors must attain a minimum cumulative GPA of 2.25 in courses for the economics major. Transfer students must attain a minimum cumulative GPA of 2.25 in transfer courses applied to the economics major in addition to UW-Parkside courses for the economics major.

The Economics Department offers three courses of study in the economics major: the general major (see Completion Option 1 below); the monetary and financial economics concentration in the major (see Completion Option 2 below); and the quantitative concentration in the major (see Completion Option 3 below). A student may choose to complete the economics major with ***both*** the monetary and financial economics concentration and the quantitative concentration (Completion Options 2 and 3). Courses in introductory accounting and computer skills are recommended.

Code	Title	Credits
Required Core Courses [1]		
ECON 120	Principles of Microeconomics	3
ECON 121	Principles of Macroeconomics	3
ECON 320	Intermediate Micro Theory	3
ECON 321	Intermediate Macro Theory	3
QM 210	Business Statistics I	3
Required Core Courses Subtotal		*15*
Completion Options		
Choose option(s) 1, 2 or 3 (described below)		18-23
Completion Options Subtotal		*18-23*
Total Credits		**33-38**

[1] The economics core courses provide students with a solid foundation in both macroeconomics and microeconomics and an introduction to basic quantitative techniques and analytical tools.

Completing both ECON 320 Intermediate Micro Theory and ECON 321 Intermediate Macro Theory before taking most 300 and 400 level courses is strongly recommended. Students who

1. receive a B or better in ECON 101 The American Economy,
2. declare an economics major, and
3. complete ECON 321 Intermediate Macro Theory

may petition to substitute ECON 101 The American Economy for ECON 121 Principles of Macroeconomics. Transfer students who major in economics must earn at least 3 credits in intermediate theory (ECON 320 Intermediate Micro Theory, ECON 321 Intermediate Macro Theory, or ECON 412 Managerial Economics) at UW-Parkside.

COMPLETION OPTIONS

Completion Option 1: General Economics

The general major is intended for students who seek a broad experience in economics and do not expect to study economics in graduate school.

Code	Title	Credits
Select twelve credits of 300- or 400-level economics courses		12
Select six credits of 200-level or above economics courses		6
Total Credits		**18**

Completion Option 2: Monetary and Financial Economics Concentration

The monetary and financial economics concentration is designated for students who are interested in professional positions in the financial and banking sectors.

Code	Title	Credits
Additional Required Courses		
ACCT 201	Financial Accounting	3
ECON 366	Money and Banking	3
ECON 367	Financial Institutions and Markets	3
ECON 402	International Economics	3
ECON 409	Econometrics	3
FIN 330	Managerial Finance	3
Additional Required Courses Subtotal		*18*
Elective Course		
Select one of the following:		3
ECON 360	Industrial Organization and Public Policy	
FIN 335	Investments	
FIN 431	Advanced Managerial Finance	
Elective Course Subtotal		*3*
Total Credits		**21**

Completion Option 3: Quantitative Concentration

The quantitative concentration is strongly recommended for students who expect to study economics in graduate school or seek a career using quantitative methods.

Code	Title	Credits
Additional Required Courses		
ECON 388	Big Data and Causal Inference	3
ECON 409	Econometrics	3
ECON 412	Managerial Economics	3
MATH 221	Calculus and Analytic Geometry I	5
Additional Required Courses Subtotal		*14*
Elective Economics Courses		
Select two of the following:		6
ECON 340	Health Economics	
ECON 360	Industrial Organization and Public Policy	
ECON 375	Game Theory in Economics and Business	
ECON 380	The Labor Market	
Select one 300- or 400- elective course		3
Elective Economics Courses Subtotal		*9*
Total Credits		**23**

Additional courses in mathematics are strongly recommended. Consult your economics advisor regarding recommended courses.

General University Degree Requirements (Bachelor's Degree)

In addition to individual program requirements, students must also fulfill the following requirements:

Requirement	Credits
Skills	7-8
General Education	36
Foreign Language**	6-8
Ethnic Diversity	3
Total	52-55

** Transfer students in sustainable management, and health information management and technology collaborative, online degree-completion programs, the business management online degree-completion program, and the flexible option degree-completion program will be exempt from the university's foreign language requirement. See appropriate academic section for further information.

Skills Requirement (p. 13)

Code	Title	Credits
Reading and Writing		
ENGL 101	Composition and Reading	3
Computational Skills		
Select one of the following:		4-5
MATH 102	Quantitative Reasoning	
MATH 103	Elementary Statistics	
MATH 104	College Mathematics with Applications	
MATH 111	College Algebra I	
Total Credits		**7-8**

General Education (p. 13)

- General Education Course List (p. 157)

Foreign Language (p. 13)

Ethnic Diversity (p. 13)

Degree Requirements

Requirement	Credits
Minimum Total Credits	120
Upper Level Credits (300 level or above)	36
Residency	30

Cumulative Degree GPA: 2.0 minimum

Economics with Completion Option: General Economics

Course	Title	Credits
Year 1		
Fall Semester		
ENGL 100	Fundamentals of English	3
MATH 104 or MATH 111	College Mathematics with Applications or College Algebra I	4-5
General Education (SS)		3
General Education (HU)		3
General Education (NS)		3
	Credits	**16-17**
Spring Semester		
ENGL 101	Composition and Reading	3
ECON 121	Principles of Macroeconomics	3
QM 110	Applied Quantitative Analysis in Business	3
General Education (HU)		3
General Education (NS)		3
	Credits	**15**
	Total Credits	**31-32**

Course	Title	Credits
Year 2		
Fall Semester		
ECON 120	Principles of Microeconomics	3
QM 210	Business Statistics I	3
General Education (HU)		3
General Education (NS)		3
Introductory Language		4
	Credits	**16**
Spring Semester		
ECON 321	Intermediate Macro Theory	3
General Education (SS)		3
Introductory Language		4
General Education (NS)		3
General Education (HU)		3
	Credits	**16**
	Total Credits	**32**

Course	Title	Credits
Year 3		
Fall Semester		
ECON 320	Intermediate Micro Theory	3

200/300/400 Level ECON Elective		3
General Elective		3
General Elective		3
General Elective OR DV course (if needed)		3
	Credits	**15**
Spring Semester		
200/300/400 Level ECON Elective		3
300/400 Level ECON Elective		3
300/400 Level General Elective		3
300/400 Level General Elective		3
General Elective		3
	Credits	**15**
	Total Credits	**30**

Course	Title	Credits
Year 4		
Fall Semester		
300/400 Level ECON Elective		3
300/400 Level ECON Elective		3
300/400 Level General Elective		3
300/400 Level General Elective		3
300/400 Level General Elective (if needed)		3
	Credits	**15**
Spring Semester		
300/400 Level ECON Elective		3
300/400 Level General Elective		3
300/400 Level General Elective		3
300/ 400 Level General Elective (if needed)		3
General Elective		3
	Credits	**15**
	Total Credits	**30**

Economics with Completion Option: Monetary and Financial Economics Concentration

Course	Title	Credits
Year 1		
Fall Semester		
ENGL 100	Fundamentals of English	3
MATH 104 or MATH 111	College Mathematics with Applications or College Algebra I	4-5
General Education (SS)		3
General Education (HU)		3
General Education (NS)		3
	Credits	**16-17**
Spring Semester		
ENGL 101	Composition and Reading	3
ECON 121	Principles of Macroeconomics	3
QM 110	Applied Quantitative Analysis in Business	3
General Education (HU)		3
General Education (NS)		3
	Credits	**15**
	Total Credits	**31-32**

Course	Title	Credits
Year 2		
Fall Semester		
ECON 121	Principles of Macroeconomics	3
QM 210	Business Statistics I	3
ACCT 201	Financial Accounting	3
General Education (SS)		3
Introductory Language		4
	Credits	**16**
Spring Semester		
ECON 321	Intermediate Macro Theory	3
General Education (HU)		3
General Education (NS)		3
Introductory Language		4
General Elective		3
	Credits	**16**
	Total Credits	**32**

Course	Title	Credits
Year 3		
Fall Semester		
ECON 320	Intermediate Micro Theory	3
ECON 366	Money and Banking	3
General Education (HU)		3
General Education (NS)		3
General Elective		3
	Credits	**15**
Spring Semester		
ECON 367	Financial Institutions and Markets	3
FIN 330	Managerial Finance	3
ECON 360 or FIN 335 or FIN 431	Industrial Organization and Public Policy or Investments or Advanced Managerial Finance	3
General Elective		3
General Elective		3
	Credits	**15**
	Total Credits	**30**

Course	Title	Credits
Year 4		
Fall Semester		
ECON 402	International Economics	3
ECON 409	Econometrics	3
300/400 Level General Elective		3
300/400 Level General Elective		3
General Elective		3
	Credits	**15**
Spring Semester		
General Elective OR DV course (if needed)		3
300/400 Level General Elective		3
300/400 Level General Elective		3
General Elective		3
	Credits	**12**
	Total Credits	**27**

Economics with Completion Option: Quantitative Economics Concentration

Course	Title	Credits
Year 1		
Fall Semester		
MATH 111	College Algebra I	5
ENGL 100	Fundamentals of English	3
General Education (NS)		3
General Education (HU)		3
General Education (SS)		3
	Credits	**17**
Spring Semester		
ECON 120	Principles of Microeconomics	3
MATH 114	College Algebra II/Trigonometry	5
ENGL 101	Composition and Reading	3

General Education (HU)		3
	Credits	**14**
	Total Credits	**31**

Course	Title	Credits
Year 2		
Fall Semester		
ECON 121	Principles of Macroeconomics	3
QM 210	Business Statistics I	3
General Education (NS)		3
General Education (HU)		3
Introductory Language		4
	Credits	**16**
Spring Semester		
ECON 321	Intermediate Macro Theory	3
MATH 221	Calculus and Analytic Geometry I	5
General Education (HU)		
Introductory Language		4
	Credits	**12**
	Total Credits	**28**

Course	Title	Credits
Year 3		
Fall Semester		
ECON 320	Intermediate Micro Theory	3
ECON 388	Big Data and Causal Inference	3
General Education (SS)		3
300/400 Level General Elective		3
General Elective		3
	Credits	**15**
Spring Semester		
ECON 340 or ECON 360 or ECON 375 or ECON 380	Health Economics or Industrial Organization and Public Policy or Game Theory in Economics and Business or The Labor Market	3
ECON 360 or ECON 340 or ECON 375 or ECON 380	Industrial Organization and Public Policy or Health Economics or Game Theory in Economics and Business or The Labor Market	3
General Education (NS)		3
General Elective		3
General Elective OR DV course (if needed)		3
	Credits	**15**
	Total Credits	**30**

Course	Title	Credits
Year 4		
Fall Semester		
ECON 409	Econometrics	3
300/400 Level ECON Elective		3
300/400 Level General Elective		3
General Elective		3
General Elective		3
	Credits	**15**
Spring Semester		
ECON 412	Managerial Economics	3
300/400 Level General Elective		3
General Elective		3
General Elective		3
General Elective		3
	Credits	**15**
	Total Credits	**30**

Economics Minor

Department website (https://www.uwp.edu/learn/programs/economicsminor.cfm)

College: College of Business, Economics, and Computing

The economics minor is intended for students who wish to acquire an understanding of economics that will complement their primary field of study. Whatever the major, a minor in economics signals to prospective employers that a UW-Parkside graduate possesses the analytical tools needed to understand economic phenomena and changing economic conditions.

Program Learning Outcomes

1. Economics minors will be able to evaluate the implications of economic scarcity in the context of resource allocation, production, and consumption and various economic institutions (aligns with Reasoned Judgment).
2. Economic minors can compare and evaluate the consequences of and the tradeoffs resulting from economic scarcity. Students can compare and evaluate the consequences of and the tradeoffs resulting from economic scarcity in the context of macroeconomic variables.
3. Economics minors will be able to apply basic tools of economic analysis to understand and explain economic decisions and microeconomic and macroeconomic phenomena in several subfields of economics (aligns with Reasoned Judgment).
4. Economics minors will be able to evaluate the desirability of economic decisions and policies in terms of their effects on individual and social welfare in the context of several subfields of economics (aligns with Social and Personal Responsibility).
5. Economics minors will be able to interpret and communicate economic concepts, data, basic models, and theories, in various economic contexts. (aligns with Communication).

Requirements for the Economics Minor

Economics minors must attain a minimum cumulative GPA of 2.25 in courses for the minor. Transfer students must attain a minimum cumulative GPA of 2.25 in transfer courses applied to the minor in addition to UW-Parkside courses for the minor.

Code	Title	Credits
Required Courses		
ECON 120	Principles of Microeconomics	3
ECON 121	Principles of Macroeconomics	3
Select one theory course:		3
ECON 320	Intermediate Micro Theory	
ECON 321	Intermediate Macro Theory	
Elective Economics Courses		
300- or 400-level economics courses		6
200-level or above economics course		3
Total Credits		**18**

University Requirements for Minors

Course work in the minor must be completed with the minimum GPA as specified by the department or program under which the minor falls, usually a 2.00 on a 4.00 scale, but higher in some programs. Transfer

students must attain the minimum specified GPA on a combination of transfer credits accepted toward the minor and credits attempted at UW-Parkside.

At least half of the course work required for a minor must be completed at UW-Parkside.

English

Department website (https://www.uwp.edu/learn/departments/english/)

College: College of Arts & Humanities

Student Organizations/Clubs:

A chapter of Sigma Tau Delta, a national English honor society.

Straylight Literary Magazine, www.straylightmag.com (http://www.straylightmag.com)

Career Possibilities:

Typical career opportunities for English majors include editors, reporters, teachers, business persons, lawyers, and writers – fiction and poetry, technical and business, and advertising. The world of digital media and entertainment has also opened up a variety of entirely new careers for English graduates in creating, editing, and merchandising a wide variety of digital and online content: digital videos, computer games, blogs, vlogs, podcasts, and web content.

Department Overview

The English major is designed to suit the needs of UW-Parkside's heterogeneous population of traditional and nontraditional-aged students and their varied career paths and goals. Often combined with other majors and minors, it can become a valuable tool for students to achieve a traditional liberal arts education, helping them acquire a broad view of human experience, a critical approach to cultural traditions, and more complete understanding of self and others.

Offering a solid grounding in literature and communication skills, the English major not only prepares students for further graduate or professional study or careers in literature or film, but also offers the opportunity to explore the traditions of British and American literature in depth. Certificates in film studies, creative writing, and in professional writing and communication are available for those who envision careers as professional writers, as well as for those interested in bringing their love of language and writing to rewarding careers in business, industry, or public service. The language arts concentration within the English major focuses on the needs of education professionals and fulfills Wisconsin Department of Public Instruction requirements for teacher training; it is also appropriate for students generally interested in linguistics and language study. The film and cultural studies concentration offers students a background in film terminology, theory, and history, as well as fostering critical analysis of film, popular culture, and literature. We also offer a general English minor, and two language arts minors, one for students pursuing an elementary-level teaching certificate, and the other for students seeking secondary certification in another discipline but wanting to make themselves more broadly marketable by adding a minor in English language arts.

Completing the English Major in the Evening

The English Department makes an effort to schedule the courses needed to complete the major in the evening. However, specific courses are offered less frequently in the evening than in the day, so students must plan their course work carefully. Some courses also may be offered in hybrid or online formats.

University Requirements in Reading and Writing

Most students meet the university reading and writing requirements by completing ENGL 101 Composition and Reading with a grade of C-minus or better. Students whose placement scores indicate superior skills in these areas may satisfy the requirements in reading and writing by passing a competence exam without taking ENGL 101 Composition and Reading.

Students whose placement examinations indicate that they need more preparation before taking ENGL 101 Composition and Reading are required to complete ENGL 100 Fundamentals of English first. Students should finish the university writing requirement as soon as possible if they are to complete their degree in a timely manner.

Teacher Education Licensure in English

Students interested in becoming teachers will need to complete an approved program pathway to a Wisconsin initial educator license. The approved pathway to this license is a structured collaboration between English department and the Institute of Professional Educator Development (IPED).

The requirements for teacher licensure are specific and therefore students must meet with the IPED Advisor to coordinate the major and teacher education curriculum. It is very important to contact the IPED advisor at 262-595-2180 or Greenquist 210 as soon as possible. Students are required to seek advising each semester from both the IPED Advisor and the English department liaison to the teacher education program. Complete information about the Teacher Education Program can be found on the IPED website at: http://www.uwp.edu/learn/departments/educatordevelopment/index.cfm (http://www.uwp.edu/learn/departments/educatordevelopment/).

Programs Offered

- English Major (BA) (p. 133)
- English Language Arts for Elementary Education Minor (p. 137)
- English Language Arts for Secondary Education Minor (p. 138)
- English Minor (p. 138)
- Creative Writing Certificate (p. 138)
- Film Studies Certificate (p. 139)
- Professional Writing and Communication Certificate (p. 139)

English Major Concentrations

- Film and Cultural Studies
- Language Arts

Courses in English

ENGL 100 | Fundamentals of English | 3 cr
Introduces students to rhetorical, logical, and analytical concepts, including synthesis of rhetorical modes in the context of short essays. Emphasizes vocabulary development, reading comprehension, and the mastery of grammar and mechanics. Implements peer review and assessment. Introduces students to persuasive writing.
Prerequisites: None.
Offered: Fall.

ENGL 101 | Composition and Reading | 3 cr
Develops college-level competencies in writing and reading in a variety of subject and thematic contexts, emphasizing argumentation. Satisfies skills requirements in reading and writing.
Prerequisites: Placement score or grade of C- or better in ENGL 100.
Offered: Fall, Spring.
Meets: Reading and Writing Skills, Reading and Writing Skills, Reading and Writing Skills, Reading and Writing Skills, Reading and Writing Skills, Reading and Writing Skills, Reading and Writing Skills, Reading and Writing Skills, Reading and Writing Skills

ENGL 106 | Introduction to Creative Writing | 3 cr
Examines the techniques and practice of creative writing.
Prerequisites: ENGL 101.
Offered: Occasionally.
Meets: Humanities and the Arts: ENGL, Humanities and the Arts: ENGL, Humanities and the Arts: ENGL, Humanities and the Arts: ENGL, Humanities and the Arts: ENGL

ENGL 112 | Women In Literature | 3 cr
Examines representations of women from classical to contemporary periods and identifies ways writing illuminates women's experience. Works by and about women from various cultures and backgrounds are considered. Cross-listed with: WGSS 112.
Prerequisites: None.
Offered: Fall, Spring.

ENGL 167 | Introduction to Literature | 3 cr
Examines techniques of literary analysis and critical approaches to literature organized around examples of major genres (poetry, prose, and drama) selected chiefly from English and American writers. Four-credit section requires greater writing, research, revision, and a higher level of literary analysis.
Prerequisites: ENGL 100 or consent of instructor.
Offered: Fall, Spring, Summer, Winterim.
Meets: Humanities and the Arts: ENGL, Humanities and the Arts: ENGL, Humanities and the Arts: ENGL, Humanities and the Arts: ENGL, Humanities and the Arts: ENGL

ENGL 168 | Introduction to Professional Writing | 3 cr
Introduces principles of professional writing including rhetorical principles and theoretical concepts for the writing professional. May repeat for credit with a different topic.
Prerequisites: ENGL 100 with a C- or better.
Offered: Fall, Spring.
Meets: Humanities and the Arts: ENGL, Humanities and the Arts: ENGL, Humanities and the Arts: ENGL, Humanities and the Arts: ENGL, Humanities and the Arts: ENGL

ENGL 201 | Advanced Composition | 3 cr
Advanced study and practice in English composition with emphasis on exposition.
Prerequisites: ENGL 101 with a C - or better.
Offered: Fall, Spring.

ENGL 202 | Technical Writing | 3 cr
Writing instruction with an emphasis on presenting written and oral reports and interpreting technical writing.
Prerequisites: ENGL 101 with a grade of C- or better.
Offered: Yearly.

ENGL 204 | Writing for Business and Industry | 3 cr
Examines the structure, style, and format of composition as related to professional settings. Includes the writing of short forms (memorandum, correspondence) and reports that solve problems and require research and analysis.
Prerequisites: ENGL 101 with a C- or better.
Offered: Fall, Spring, Summer.

ENGL 206 | Creative Writing: Poetry | 3 cr
Examines the techniques and practice of poetry writing.
Prerequisites: ENGL 101 with C- or better.
Offered: Fall.

ENGL 207 | Creative Writing: Fiction | 3 cr
Examines the techniques and practice of fiction writing.
Prerequisites: ENGL 101 with a grade of C- or better.
Offered: Fall.

ENGL 208 | Creative Writing: Screenplay | 3 cr
Examines the techniques and practice of writing a screenplay.
Prerequisites: ENGL 101.
Offered: Yearly.

ENGL 252 | Introduction to Film | 3 cr
Investigates the distinctive elements and techniques of film as art and the relationship of film to society.
Prerequisites: None.
Offered: Yearly.
Meets: Humanities and the Arts: ENGL, Humanities and the Arts: ENGL, Humanities and the Arts: ENGL, Humanities and the Arts: ENGL, Humanities and the Arts: ENGL

ENGL 253 | Literature Into Film | 3 cr
Examines film adaptions of literary texts alongside the literature itself. Emphasizes the formal characteristics of the works, their aesthetic and ethical importance, and the interpretive questions raised by the act of adaptations. May be repeated for credit with different topic.
Prerequisites: None.
Offered: Fall, Spring, Summer.
Meets: Humanities and the Arts: ENGL, Humanities and the Arts: ENGL, Humanities and the Arts: ENGL, Humanities and the Arts: ENGL, Humanities and the Arts: ENGL

ENGL 258 | History of Film to 1950 | 3 cr
Examines the development of film techniques, visual qualities, genre, theory, and cinematic art from the silent era to around 1950.
Prerequisites: None.
Offered: Fall.

ENGL 259 | History of Film from 1950 | 3 cr
Examines the development of film techniques, visual qualities, genre, theory and cinematic art from around 1950 to the present.
Prerequisites: None.
Offered: Spring.

ENGL 266 | Literary Analysis | 3 cr
Introduces literary theory and literary research practices, requiring close interaction with primary literary sources. Emphasizes original critical analysis and advanced writing skills.
Prerequisites: ENGL 101 with a C or better.
Offered: Fall, Spring.

ENGL 267 | Literature of Diversity | 3 cr
Surveys of literature produced by the major historically under-represented ethnic/racial groups in the U.S., that is, Native Americans, Latino/as, African Americans or Asian Americans. May be repeated for credit with different topic.
Prerequisites: ENGL 101 with a grade of C- or better.
Offered: Fall, Spring.
Meets: Humanities and the Arts: ENGL, Ethnic Diversity, Humanities and the Arts: ENGL, Ethnic Diversity, Humanities and the Arts: ENGL, Ethnic Diversity, Humanities and the Arts: ENGL, Ethnic Diversity, Humanities and the Arts: ENGL, Ethnic Diversity

ENGL 268 | Introduction to Holocaust Studies | 3 cr
Examines historical, philosophical and other issues surrounding the Holocaust, using texts by those who experienced the Holocaust. Cross-listed with: HIST 268.
Prerequisites: ENGL 101 with a grade of C- or better or consent of instructor.
Offered: Occasionally.

ENGL 287 | Grammar For Teachers and Writers | 3 cr
Covers English grammar, emphasizing concepts and terms used in teaching and writing.
Prerequisites: ENGL 167 or declared psychology major.
Offered: Yearly.

ENGL 290 | Special Topics In English | 3 cr
Examines special topics in English. May be repeated for credit with different topic.
Prerequisites: ENGL 101 with a C- or better or consent of instructor.
Offered: Occasionally.

ENGL 306 | Advanced Poetry Writing | 3 cr
Advanced workshop in the techniques and practice of poetry writing.
Prerequisites: ENGL 101 with a grade of C- or better.
Offered: Yearly.

ENGL 307 | Advanced Fiction Writing | 3 cr
Advanced workshop in techniques and practice of fiction writing.
Prerequisites: ENGL 101 with a grade of C- or better.
Offered: Yearly.

ENGL 310 | Advanced Expository Writing | 3 cr
Provides advanced study and practice in English composition emphasizing complex projects in expository writing.
Prerequisites: ENGL 101 with a grade of C- or better.
Offered: Fall, Spring.

ENGL 315 | Topics in Literature and Culture: | 3 cr
Focuses on special topics such as "The Graphic Novel," "Literature and Trauma," or "Animals in Literature and Folktale". May repeat with different topic.
Prerequisites: ENGL 167 or consent of instructor.
Offered: Fall, Spring.

ENGL 316 | British Literature to 1500 | 3 cr
Surveys nonfiction prose, poetry, drama, and fiction circulating in England from the sixth to the fifteenth centuries. Includes a diversity of authorial voices, both men and women, as the limitations of the period allow.
Prerequisites: ENGL 266 or consent of instructor.
Offered: Fall (odd years).

ENGL 317 | British Literature, 1500-1700 | 3 cr
Examines a diversity of authorial voices, both men and women, in poetry, prose, and drama written between 1500-1700 in early modern Britain.
Prerequisites: ENGL 266; or consent of instructor.
Offered: Spring (even years).

ENGL 318 | British Literature, 1700-1900 | 3 cr
Examines diversity of authorial voices, both men and women, in literary trends from the 18th and 19th centuries. Includes fiction, drama, poetry, and nonfiction prose.
Prerequisites: ENGL 266; or consent of instructor.
Offered: Fall (even years).

ENGL 319 | Modern and Contemporary British Literature | 3 cr
Examines fiction, poetry, nonfiction prose, and drama, written by a diversity of authorial voices, both men and women, and trends in the 20th and 21st Centuries.
Prerequisites: ENGL 266; or consent of instructor.
Offered: Spring (odd years).

ENGL 320 | Shakespeare | 3 cr
Investigates the formal conventions of Shakespeare's work, stagecraft, the location of these works within their historical contexts, and the critical and reception histories of each play. Cross-listed with: THEA 320.
Prerequisites: ENGL 101; or consent of instructor.
Offered: Fall, Spring.

ENGL 326 | Pre-Columbian Literature | 3 cr
Addresses narratives arising from the pre-Columbian cultures of the Americas. Focuses on First Nation peoples. Includes a diversity of authorial voices, both men and women, and a diversity of genres, such as fiction, drama, poetry, and non-fiction prose, as the limitations of the period allow.
Prerequisites: ENGL 266; or consent of instructor.
Offered: Fall (odd years).

ENGL 327 | Puritan and Colonial American Literature | 3 cr
Studies Puritan and Colonial literatures in North America that includes a diversity of authorial voices, both men and women, and a diversity of genres, such as fiction, drama, poetry, and nonfiction prose.
Prerequisites: ENGL 266; or consent of instructor.
Offered: Spring (even years).

ENGL 328 | 19th Century American Literature | 3 cr
Studies literatures of the nineteenth-century in the United States including a diversity of authorial voices, both men and women, and a diversity of genres, such as fiction, drama, poetry, and nonfiction prose.
Prerequisites: ENGL 266; or consent of instructor.
Offered: Fall (even years).

ENGL 329 | 20th and 21st Century American Literature | 3 cr
Examines fiction, poetry, nonfiction-prose, and drama, written by a diversity of American authorial voices, including both men and women, and trends in the 20th and 21st Centuries.
Prerequisites: ENGL 266; or consent of instructor.
Offered: Spring (odd years).

ENGL 330 | Alternative Narratives | 3 cr
Examines literary, cinematic, and pop-cultural texts such as outsider poetry, hypertest narratives, and visual storytelling that fall outside of conventional literary genres. May be repeated for credit with a different topic.
Prerequisites: ENGL 101.
Offered: Yearly.

ENGL 344 | Children's Literature | 3 cr
Investigates historical and contemporary middle-grade children's literature, both as a cultural phenomenon and an educational resource.
Prerequisites: ENGL 167, ENGL 266.
Offered: Occasionally.

ENGL 346 | Pre-1800 World Literature | 3 cr
Explores selected pre-1800 global literary and cultural texts, which may include ancient, medieval and Renaissance texts. Emphasizes non-Western works, including those with indigenous foundations. Examines the broad historical context and draws from other fields to deepen our understanding of the human experience, particularly along cross-cultural lines.
Prerequisites: ENGL 101; or consent of instructor.
Offered: Fall.

ENGL 347 | Post-1800 World Literature | 3 cr
Explores selected global literary and cultural texts produced after 1800. Emphasizes non-Western works, including those with indigenous foundations. Examines the broad historical context and draws from other fields to deepen our understanding of the human experience, particularly along cross-cultural lines. Cross-listed with: MODL 347.
Prerequisites: ENGL 101 or consent of instructor.
Offered: Spring.

ENGL 354 | Young Adult Literature | 3 cr
Explores representative young adult literature, including genres like fantasy, science fiction, historical fiction, and realistic fiction. May include graphic novels or poetry.
Prerequisites: ENGL 101 or consent of instructor.
Offered: Yearly.

ENGL 358 | Film Genres | 3 cr
Explores film genres such as film noir, the western, the war movie, science fiction, comedy, the detective film, etc. May be repeated for credit with a different topic.
Prerequisites: None.
Offered: Occasionally.

ENGL 359 | Digital Video | 3 cr
Introduces the concepts, principles, tools, and techniques for telling visual stories and producing, assembling, and mixing digital video and audio.
Prerequisites: None.
Offered: Yearly.

ENGL 364 | Epic and Mythology | 3 cr
Studies the major epics, with a primary focus on Greek and Roman mythology and tradition, but may include other major epics from the Western tradition.
Prerequisites: ENGL 101 or consent of instructor.
Offered: Yearly.

ENGL 366 | Theory of Literature and Criticism | 3 cr
Investigates the nature of literature, the basis of literary criticism, and different critical schools at an advanced level. May repeat with different topic.
Prerequisites: ENGL 266.
Offered: Occasionally.

ENGL 368 | The Bible as Literature | 3 cr
Explores the literary and cultural background, qualities, and influence of the Jewish and Christian scriptures.
Prerequisites: ENGL 101 or consent of instructor.
Offered: Occasionally.

ENGL 380 | The English Language | 3 cr
Examines historical shifts in the English language, including phonology, morphology, syntax, lexicon, and semantics.
Prerequisites: ENGL 101 or consent of instructor.
Offered: Yearly.

ENGL 385 | Professional Editing | 3 cr
Explores principles and practical applications of copy-marking, copy-editing, and comprehensive editing.
Prerequisites: ENGL 101 with a grade of C- or better.
Offered: Spring.

ENGL 387 | Linguistics | 3 cr
Explores major areas in the study of language, including phonology, syntax, semantics, historical, comparative linguistics and socio-linguistics.
Prerequisites: ENGL 266.
Offered: Occasionally.

ENGL 390 | Special Topics in English | 1-4 cr
Examines selected topics in English. May be repeated for credit with different topic.
Prerequisites: ENGL 266; or consent of instructor.
Offered: Occasionally.

ENGL 402 | Advanced Technical Writing | 3 cr
Emphasizes writing and editing skills needed to prepare a project such as a procedures manual, report of experimental findings or proposals.
Prerequisites: ENGL 202 or ENGL 204; or consent of instructor.
Offered: Yearly.

ENGL 403 | Advanced Business Writing | 3 cr
Continues the study of business writing and communication.
Prerequisites: ENGL 202 or ENGL 204; or consent of instructor.
Offered: Occasionally.

ENGL 404 | Non-Fiction Writing | 3 cr
Explores writing feature-length articles, historical accounts, reviews, opinion pieces, advanced essays. Employs various professional writing styles.
Prerequisites: ENGL 201, ENGL 204, or consent of instructor.
Offered: Yearly.

ENGL 408 | Creative Writing Capstone Project | 3 cr
A creative writing capstone course culminating in a significant body of poetry or fiction along with a self-reflexive essay wherein students place themselves within a broader literary tradition.
Prerequisites: Two of the following: ENGL 306, ENGL 307, or ENGL 310.
Offered: Yearly.

ENGL 416 | Major British Authors | 3 cr
Delves into one or more major British authors. May be repeated with different topic.
Prerequisites: ENGL 266; or consent of instructor.
Offered: Occasionally.

ENGL 417 | Studies In British Literature | 3 cr
Examines specific topics, issues, or time periods in British Literature. May be repeated with different topic.
Prerequisites: ENGL 266; or consent of instructor.
Offered: Occasionally.

ENGL 420 | Advanced Shakespeare | 3 cr
Examines Shakespearean genres (tragedy, history, comedy, romance), dramaturgy, or themes as well as related subjects such as Shakespeare on film.
Prerequisites: ENGL 266.
Offered: Occasionally.

ENGL 426 | Major American Authors | 3 cr
Explores one or more major American authors at the advanced level.
Prerequisites: ENGL 266; or consent of instructor.
Offered: Occasionally.

ENGL 427 | Studies in American Literature | 3 cr
Examines specific topics, issues, or time periods in American literature. May be repeated with different topic.
Prerequisites: ENGL 266; or consent of instructor.
Offered: Occasionally.

ENGL 436 | Major Modern and Contemporary Authors | 3 cr
Delves into of one or more major contemporary authors at an advanced level. May repeat with different topic.
Prerequisites: ENGL 266; or consent of instructor.
Offered: Occasionally.

ENGL 437 | Studies In Modern and Contemporary Literature | 3 cr
Examines such topics as the hero in modern literature, innovations in 20th century drama, or experiments in literary form, etc. May be repeated with different topic.
Prerequisites: ENGL 266; or consent of instructor.
Offered: Occasionally.

ENGL 447 | Studies In Classical and World Literature | 3 cr
Examines a specific culture, author, or theme in classical or other world literatures.
Prerequisites: ENGL 266.
Offered: Occasionally.

ENGL 451 | Studies in Literature or Culture | 3 cr
Focuses on special topics, such as "The Graphic Novel," "Literature and Trauma," or "Animals in Literature and Folktale." May be repeated for credit with different topic.
Prerequisites: ENGL 266; or consent of instructor.
Offered: Fall, Spring.

ENGL 458 | Studies in Film | 3 cr
Examines the movements, techniques, theories, national cinemas, genres, directors, or periods.
Prerequisites: None.
Offered: Occasionally.

ENGL 460 | Literature and Other Disciplines | 3 cr
Examines the relation of literature to individual disciplines such as medicine, science, sociology, psychology, music, or philosophy.
Prerequisites: ENGL 266; or consent of instructor.
Offered: Occasionally.

ENGL 464 | Studies in Cultural Trends | 3 cr
Examines the intersection of literature and cultural trends. Includes graphic novels, steampunk, and the gothic. May repeat with different topic.
Prerequisites: ENGL 266; or consent of instructor.
Offered: Occasionally.

ENGL 468 | Holocaust Studies | 3 cr
Delves into various aspects of the Holocaust, such as literature of the Holocaust, film and the Holocaust, literature of the Second Generation, etc. Cross-listed with: HIST 468.
Prerequisites: ENGL 101 or consent of instructor.
Offered: Occasionally.

ENGL 469 | Women as Writers and Characters | 3 cr
Examines writing by women and depictions of women in literature. May be repeated for credit with different topic. Cross-listed with: WGSS 469.
Prerequisites: ENGL 266; or consent of instructor.
Offered: Occasionally.

ENGL 477 | Portfolio Workshop: English, Film and Cultural Studies | 1 cr
Provides required capstone portfolio experience, including reflective writing and metacognition, workshopping, revision, and mastery of department outcomes.
Prerequisites: ENGL 266, senior standing.
Offered: Fall, Spring.

ENGL 478 | Portfolio Workshop: English Language Arts | 1 cr
Required capstone portfolio. Includes reflective writing and metacognition, workshopping, revision, and mastery of department outcomes.
Prerequisites: ENGL 266, senior standing.
Offered: Fall, Spring.

ENGL 479 | Portfolio Workshop: Professional Writing | 1 cr
Required capstone portfolio. Includes reflective writing and metacognition, workshopping, revision, and mastery of the professional writing certificate outcomes.
Prerequisites: ENGL 101 with C- or better.
Offered: Fall, Spring.

ENGL 487 | Studies in Language | 3 cr
An examination of such topics as language in American culture, regional dialects, semantics, etc. May repeat with different topic.
Prerequisites: ENGL 101 with a grade of C- or better or consent of instructor.
Offered: Occasionally.

ENGL 488 | Teaching English Language Arts | 3 cr
Explores balanced literacy methods and materials for integrating reading, writing, speaking, listening, viewing, and critical thinking activities into a language arts program for adolescents.
Prerequisites: ENGL 266; or consent of instructor.
Offered: Yearly.

ENGL 489 | Teaching and Assessing Composition | 3 cr
Explores methods and materials for the teaching and assessment of writing.
Prerequisites: ENGL 266, or consent of instructor.
Offered: Yearly.

ENGL 490 | Special Topics in English | 1-4 cr
Examines cultural trends or topics in English literature at the advanced level. May be repeated for credit with different topic.
Prerequisites: ENGL 266; or consent of instructor.
Offered: Occasionally.

ENGL 493 | Internship in Teaching Literature | 1-6 cr
Offers an internship experience with an instructor teaching in a literature course. Students will create a portfolio.
Prerequisites: ENGL 266, consent of instructor and department chair.
Offered: Occasionally.

ENGL 494 | Internship in Writing and Editing | 1-6 cr
Practical application of professional-level writing skills in such areas as journalism, copy editing, technical, scientific, industrial, business, and legal writing, under joint supervision of a faculty member and organization representative. A maximum number of internship credits will be set by the faculty member, in keeping with university policy.
Prerequisites: Consent of instructor and department chair.
Offered: Fall, Spring.

ENGL 495 | Seminar in Literature | 3 cr
Serves as the capstone for the major and includes discussion of career preparation. Requires intensive research and writing. May be repeated for credit with different topic.
Prerequisites: ENGL 266 or consent of instructor.
Offered: Fall, Spring.

ENGL 496 | Internship in Teaching/Tutoring | 3 cr
Students select working in a composition classroom or in the Tutoring Center as a writing tutor to gain experience in major aspects of composition instruction. Students must secure permission from a composition instructor or the Tutoring Center in order to register. Students will create a teaching/tutoring portfolio.
Prerequisites: Engl 489 and consent of instructor, department chair.
Offered: Fall, Spring.

ENGL 497 | Senior Thesis | 3 cr
Conduct independent research and write an essay of substantial length under faculty supervision. Agreement of faculty member to undertake supervision is necessary before registration.
Prerequisites: Consent of instructor and English Department Executive Committee.
Offered: Occasionally.

ENGL 499 | Independent Study | 1-6 cr
Conduct independent research under the supervision of a faculty member.
Prerequisites: Consent of instructor and English Department Executive Committee.
Offered: Occasionally.

English Major (BA)

Department website (https://www.uwp.edu/learn/programs/englishmajor.cfm)

College: College of Arts & Humanities

Preparation for Graduate School

Students considering graduate study in English are urged to consult their advisors early in their programs. Their programs should include strong representation in the various historical periods and major authors of literature in English, as well as the various genres. Advisers may suggest additional reading to fill in gaps. If a course needed for graduate study preparation is not currently offered, it is occasionally possible to cover the same material through independent study (ENGL 499 Independent Study). To explore this possibility, students should consult their advisors.

Internships

Students who choose to pursue a certificate in professional writing and communication must complete a writing internship. Those majors and others interested in internships should see the department chair or those department members listed as teaching ENGL 494 Internship in Writing and Editing in the course schedule for further information.

Recommended Courses Outside of English

To obtain appropriate background information on the literary works and figures studied in English courses, students are advised to take some of their elective credits in the following courses: U.S. History 101 and 102; Western and European History 118, 119, and 120; Philosophy 101 and 102; Art History 125 and 126; and Humanities 101 and 102. For students in the Film and Cultural Studies Concentration, the Digital Media and Production Certificate would be a useful and valuable addition.

Program Learning Outcomes

1. Writing Goal: Students will become writers who know how to employ a wide range of strategies as they write and to use different writing process elements appropriately to communicate with different audiences for a variety of purposes.
2. Critical Reading and Analysis Goal: Students will become accomplished, active readers who value ambiguity and complexity, and who can demonstrate a wide range of strategies for understanding texts, including interpretations with an awareness of, attentiveness to, and curiosity toward other perspectives.
3. History and Theory Goal: Students will develop a comprehensive knowledge of the variety of texts in diverse time periods and in diverse locations, as well as know the critical and historical principles behind the construction of literary, linguistic, and cultural histories, in order to demonstrate an active participation in scholarship.
4. Research Goal: Students will be able to follow a research process from proposal, research, drafts, to final projects.
5. Collaborative Learning Goal: Students will learn that the ability to communicate their ideas to a larger audience is as important as having the ideas themselves, and that sharing and coordinating ideas sustains and develops the larger intellectual sphere, of which they are a part. Students will understand the connection between collaborative learning and their intended professional field(s), including but not limited to their future professional roles and responsibilities.
6. Learning Outcomes for Program Level Goals
7. Writing Goal:
8. Students can write texts informed by specific (as is appropriate for the discipline and course contexts) rhetorical strategies.
9. Students can write in several modes and for different audiences and purposes, with an awareness of the social implications and theoretical issues that these shifts raise.
10. Students can revise for content and edit for grammatical and stylistic clarity.
11. Critical Reading and Analysis Goal:
12. Students can apply a wide range of strategies to comprehend, evaluate, and interpret texts. These strategies may include, but are not limited to: drawing on their prior experience, their interactions with other readers and writers, reflection, intertextuality, their knowledge of word meaning and of other texts, their word identification strategies, and their understanding of textual features (e.g., sound-letter correspondence, sentence structure, syntax, context, graphics, images).
13. Students can evaluate the aesthetic and/or ethical value of texts.
14. Students will demonstrate an ability to recognize how formal elements of language and genre shape meaning. They will recognize how writers can transgress or subvert generic expectations, as well as fulfill them.
15. History and Theory Goal:
16. Students can demonstrate knowledge of the terminology of literary and/or cultural periods in order to be active participants in a variety of literary and/or cultural fields
17. Students can identify and employ theoretical approaches to literary and/or cultural study (including, but not limited to, film studies, linguistics, and professional and technical writing).

18. Students demonstrate an ability to read texts in relation to their historical and cultural contexts, in order to gain a richer understanding of both text and context, and to become more aware of themselves as situated historically and culturally.
19. Research Goal:
20. Students can identify and formulate questions for productive inquiry.
21. Students can evaluate sources for credibility, bias, quality of evidence, and quality of reasoning.
22. Students use citation methods and structures appropriate to their field of study.
23. Collaborative Learning Goal:
24. Students can effectively peer review.
25. Students can engage in thoughtful and critical debate.
26. Students can produce quality collaborate projects.

Requirements for the English Major

Portfolio Requirement

At the end of their last semester, English majors must submit for approval a portfolio of written work that they have completed in English courses at UW-Parkside. Unapproved portfolios must be revised before a diploma can be received. For portfolio requirements, instructions, and models of portfolios that have shown mastery, please visit our website at: http://www.uwp.edu/learn/departments/english/portfolio.cfm.

The English major consists of courses in English and related disciplines beyond the required freshman composition sequence. Students are encouraged to consult with English Department faculty advisors before declaring their major and during its completion to fulfill their program of study most expediently and comfortably.

Code	Title	Credits
Core Courses for Major		
Literary Analysis		
ENGL 266	Literary Analysis	3
Portfolio Workshop		
Select one of the following that is appropriate for your program:		1
ENGL 477	Portfolio Workshop: English, Film and Cultural Studies	
ENGL 478	Portfolio Workshop: English Language Arts	
ENGL 479	Portfolio Workshop: Professional Writing	
Core Courses for Major Subtotal		4
Completion Options for Major		
Choose one option		33-39
Completion Options for Major Subtotal		33-39
Total Credits		**37-43**

Completion Options for Major

Standard Major

Code	Title	Credits
Introductory Literature Course		
Select one of the following:		3
ENGL 112	Women In Literature	
ENGL 167	Introduction to Literature	
ENGL 253	Literature Into Film	
Introductory Literature Course Subtotal		3
Literature of Diversity		
ENGL 267	Literature of Diversity	3
Literature of Diversity Subtotal		3
Grammar and Language		
Select one of the following:		3
ENGL 287	Grammar For Teachers and Writers	
ENGL 380	The English Language	
ENGL 387	Linguistics	
Grammar and Language Subtotal		3
Shakespeare		
ENGL 320	Shakespeare	3
Shakespeare Subtotal		3
Classical and World Literature		
Select one of the following:		3
ENGL 346	Pre-1800 World Literature	
ENGL 347	Post-1800 World Literature	
ENGL 364	Epic and Mythology	
ENGL 368	The Bible as Literature	
ENGL 468	Holocaust Studies	
Classical and World Literature Subtotal		3
British Surveys		
Only one British survey course will be offered every semester		
Select two of the following:		6
ENGL 316	British Literature to 1500	
ENGL 317	British Literature, 1500-1700	
ENGL 318	British Literature, 1700-1900	
ENGL 319	Modern and Contemporary British Literature	
British Surveys Subtotal		6
American Surveys		
Only one American survey course will be offered every semester		
Select two of the following:		6
ENGL 326	Pre-Columbian Literature	
ENGL 327	Puritan and Colonial American Literature	
ENGL 328	19th Century American Literature	
ENGL 329	20th and 21st Century American Literature	
American Surveys Subtotal		6
400-Level Literature Courses		
Select two of the following:		6
ENGL 416	Major British Authors	
ENGL 417	Studies In British Literature	
ENGL 420	Advanced Shakespeare	
ENGL 426	Major American Authors	
ENGL 427	Studies in American Literature	
ENGL 436	Major Modern and Contemporary Authors	
ENGL 437	Studies In Modern and Contemporary Literature	
ENGL 447	Studies In Classical and World Literature	
ENGL 451	Studies in Literature or Culture	
ENGL 460	Literature and Other Disciplines	
ENGL 464	Studies in Cultural Trends	
ENGL 468	Holocaust Studies	
ENGL 469	Women as Writers and Characters	
400-Level Literature Courses Subtotal		6
Senior Seminar		

ENGL 495	Seminar in Literature	3
Senior Seminar Subtotal		3
Total Credits		**36**

English Major with the Language Arts Concentration

The English major with the optional concentration in language arts is intended for those who wish to pursue teacher certification. Please contact UW-Parkside's Institute of Professional Educator Development (IPED) for additional information on pathways for elementary and high school certification and teacher training.

Code	Title	Credits
Introduction to Literature		
ENGL 167	Introduction to Literature	3
Introduction to Literature Subtotal		3
Literature of Diversity		
ENGL 267	Literature of Diversity	3
Literature of Diversity Subtotal		3
Grammar		
ENGL 287	Grammar For Teachers and Writers	3
Grammar Subtotal		3
Language and Linguistics		
ENGL 380	The English Language	3
or ENGL 387	Linguistics	
Language and Linguistics Subtotal		3
Shakespeare		
ENGL 320	Shakespeare	3
Shakespeare Subtotal		3
Classical and World Literature		
Select one of the following:		3
ENGL 346	Pre-1800 World Literature	
ENGL 347	Post-1800 World Literature	
ENGL 364	Epic and Mythology	
ENGL 368	The Bible as Literature	
ENGL 468	Holocaust Studies	
Classical and World Literature Subtotal		3
Children's or Young Adult Literature		
ENGL 344	Children's Literature	3
or ENGL 354	Young Adult Literature	
Children's or Young Adult Literature Subtotal		3
British Survey		
Only one British survey course will be offered every semester		
Select one of the following:		3
ENGL 316	British Literature to 1500	
ENGL 317	British Literature, 1500-1700	
ENGL 318	British Literature, 1700-1900	
ENGL 319	Modern and Contemporary British Literature	
British Survey Subtotal		3
American Survey		
Only one American survey course will be offered every semester		
Select one of the following:		3
ENGL 326	Pre-Columbian Literature	
ENGL 327	Puritan and Colonial American Literature	
ENGL 328	19th Century American Literature	
ENGL 329	20th and 21st Century American Literature	
American Survey Subtotal		3
Upper-Division Writing Course		
Select one of the following:		3
ENGL 306	Advanced Poetry Writing	
ENGL 307	Advanced Fiction Writing	
ENGL 310	Advanced Expository Writing	
ENGL 402	Advanced Technical Writing	
ENGL 403	Advanced Business Writing	
ENGL 404	Non-Fiction Writing	
Upper-Division Writing Course Subtotal		3
400-level Literature Course		
Select one of the following:		3
ENGL 416	Major British Authors	
ENGL 417	Studies In British Literature	
ENGL 420	Advanced Shakespeare	
ENGL 426	Major American Authors	
ENGL 427	Studies in American Literature	
ENGL 436	Major Modern and Contemporary Authors	
ENGL 437	Studies In Modern and Contemporary Literature	
ENGL 447	Studies In Classical and World Literature	
ENGL 451	Studies in Literature or Culture	
ENGL 460	Literature and Other Disciplines	
ENGL 464	Studies in Cultural Trends	
ENGL 468	Holocaust Studies	
ENGL 469	Women as Writers and Characters	
400-level Literature Course Subtotal		3
Teaching in English		
Select one of the following:		3
ENGL 488	Teaching English Language Arts	
ENGL 489	Teaching and Assessing Composition	
Teaching in English Subtotal		3
Total Credits		**36**

English Major with the Film and Cultural Studies Concentration

Code	Title	Credits
Introduction to Film		
ENGL 252	Introduction to Film	3
Introduction to Film Subtotal		3
Literature into Film		
ENGL 253	Literature Into Film	3
Literature into Film Subtotal		3
Cultural Diversities		
Select one of the following:		3
ANTH 200	Cultural Anthropology	
COMM 363	Communication and Ethnicity	
COMM 463	Gender, Race, Class and Sexualities in the Media	
ENGL 267	Literature of Diversity	
ETHN 201	Introduction to Ethnic Studies	
ETHN/THEA 208	Multicultural Theatre in America	
THEA/WGSS 215	Queer Representation on Stage and Screen	

Cultural Diversities Subtotal		3
Film History		
ENGL 258	History of Film to 1950	3
ENGL 259	History of Film from 1950	3
Film History Subtotal		6
300-Level Literature and Cultural Studies		
Select two of the following:		6
ENGL 316	British Literature to 1500	
ENGL 317	British Literature, 1500-1700	
ENGL 318	British Literature, 1700-1900	
ENGL 319	Modern and Contemporary British Literature	
ENGL 320	Shakespeare	
ENGL 326	Pre-Columbian Literature	
ENGL 327	Puritan and Colonial American Literature	
ENGL 328	19th Century American Literature	
ENGL 329	20th and 21st Century American Literature	
ENGL 354	Young Adult Literature	
ENGL 364	Epic and Mythology	
300-Level Literature and Cultural Studies Subtotal		6
300-Level Studies in Cinema and Culture		
Select two of the following:		6
COMM 350	Digital Storytelling	
ENGL 330	Alternative Narratives	
ENGL 358	Film Genres	
ENGL 359	Digital Video	
300-Level Studies in Cinema and Culture Subtotal		6
400-Level Course in Literary/Cultural Studies		
Select one of the following:		3
COMM/WGSS 463	Gender, Race, Class and Sexualities in the Media	
ENGL 416	Major British Authors	
ENGL 417	Studies In British Literature	
ENGL 420	Advanced Shakespeare	
ENGL 426	Major American Authors	
ENGL 436	Major Modern and Contemporary Authors	
ENGL 437	Studies In Modern and Contemporary Literature	
ENGL 447	Studies In Classical and World Literature	
ENGL 451	Studies in Literature or Culture	
ENGL 458	Studies in Film	
ENGL 464	Studies in Cultural Trends	
ENGL/HIST 468	Holocaust Studies	
ENGL 469	Women as Writers and Characters	
400-Level Course in Literary/Cultural Studies Subtotal		3
Senior Seminar		
ENGL 495	Seminar in Literature	3
Senior Seminar Subtotal		3
Total Credits		**33**

General University Degree Requirements (Bachelor's Degree)

In addition to individual program requirements, students must also fulfill the following requirements:

Requirement	Credits
Skills	7-8
General Education	36
Foreign Language**	6-8
Ethnic Diversity	3
Total	52-55

** Transfer students in sustainable management, and health information management and technology collaborative, online degree-completion programs, the business management online degree-completion program, and the flexible option degree-completion program will be exempt from the university's foreign language requirement. See appropriate academic section for further information.

Skills Requirement (p. 13)

Code	Title	Credits
Reading and Writing		
ENGL 101	Composition and Reading	3
Computational Skills		
Select one of the following:		4-5
MATH 102	Quantitative Reasoning	
MATH 103	Elementary Statistics	
MATH 104	College Mathematics with Applications	
MATH 111	College Algebra I	
Total Credits		**7-8**

General Education (p. 13)

- General Education Course List (p. 157)

Foreign Language (p. 13)

Ethnic Diversity (p. 13)

Degree Requirements

Requirement	Credits
Minimum Total Credits	120
Upper Level Credits (300 level or above)	36
Residency	30

Cumulative Degree GPA: 2.0 minimum

English Major with Completion Option: Standard

Course	Title	Credits
Year 1		
Fall Semester		
MATH 102	Quantitative Reasoning	4
ENGL 100	Fundamentals of English	3
Introductory Language		4
General Education (SS)		3

General Elective		3
	Credits	**17**
Spring Semester		
ENGL 101	Composition and Reading	3
ENGL 112 or ENGL 167 or ENGL 253	Women In Literature or Introduction to Literature or Literature Into Film	3
General Education (SS)		3
General Education (NS)		3
Introductory Language		4
	Credits	**16**
	Total Credits	**33**

Course	Title	Credits
Year 2		
Fall Semester		
ENGL 266	Literary Analysis	3
ENGL 267	Literature of Diversity	3
ENGL 316 or ENGL 317 or ENGL 318 or ENGL 319	British Literature to 1500 or British Literature, 1500-1700 or British Literature, 1700-1900 or Modern and Contemporary British Literature	3
General Education (NS)		3
General Education (SS)		3
	Credits	**15**
Spring Semester		
ENGL 326 or ENGL 327 or ENGL 328 or ENGL 329	Pre-Columbian Literature or Puritan and Colonial American Literature or 19th Century American Literature or 20th and 21st Century American Literature	3
ENGL 380 or ENGL 387 or ENGL 287	The English Language or Linguistics or Grammar For Teachers and Writers	3
General Education (NS)		3
General Education (SS)		3
General Elective		3
	Credits	**15**
	Total Credits	**30**

Course	Title	Credits
Year 3		
Fall Semester		
ENGL 317 or ENGL 316 or ENGL 318 or ENGL 319	British Literature, 1500-1700 or British Literature to 1500 or British Literature, 1700-1900 or Modern and Contemporary British Literature	3
ENGL 320	Shakespeare	3
300/400 Level General Elective		3
General Education (HU)		3
General Elective		3
	Credits	**15**
Spring Semester		
ENGL 327 or ENGL 326 or ENGL 328 or ENGL 329	Puritan and Colonial American Literature or Pre-Columbian Literature or 19th Century American Literature or 20th and 21st Century American Literature	3
400 Level English Literature		3
300/400 Level General Elective		3
General Education (HU)		3
General Elective		3
	Credits	**15**
	Total Credits	**30**

Course	Title	Credits
Year 4		
Fall Semester		
ENGL 346 or ENGL 346 or ENGL 364 or ENGL 368 or ENGL 468	Pre-1800 World Literature or Pre-1800 World Literature or Epic and Mythology or The Bible as Literature or Holocaust Studies	3
400 Level English Literature		3
300/400 Level General Elective		3
General Elective OR General Education (HU) if needed		3
General Elective		3
	Credits	**15**
Spring Semester		
ENGL 477 or ENGL 478 or ENGL 479	Portfolio Workshop: English, Film and Cultural Studies or Portfolio Workshop: English Language Arts or Portfolio Workshop: Professional Writing	1
ENGL 495	Seminar in Literature	3
General Education (NS)		3
General Elective		3
General Elective		3
	Credits	**13**
	Total Credits	**28**

Note: Students interested in the Language Arts or Film and Cultural Studies should work with their advisor to develop a 4 year plan.

English Language Arts for Elementary Education Minor

College: College of Arts & Humanities

Requirements for the English Language Arts for Elementary Education Minor

Code	Title	Credits
Introduction to Literature		
ENGL 167	Introduction to Literature	3
Creative Writing		
ENGL 106	Introduction to Creative Writing	3
Literary Theory		
ENGL 266	Literary Analysis	3
Literature of Diversity		
ENGL 267	Literature of Diversity	3
Classic Texts		
ENGL 320	Shakespeare	3
or ENGL 364	Epic and Mythology	
Children's or Young Adult Literature		
ENGL 344	Children's Literature	3
or ENGL 354	Young Adult Literature	
Teaching and Assessing Composition		
ENGL 489	Teaching and Assessing Composition	3
Total Credits		**21**

University Requirements for Minors

Course work in the minor must be completed with the minimum GPA as specified by the department or program under which the minor falls, usually a 2.00 on a 4.00 scale, but higher in some programs. Transfer

students must attain the minimum specified GPA on a combination of transfer credits accepted toward the minor and credits attempted at UW-Parkside.

At least half of the course work required for a minor must be completed at UW-Parkside.

English Language Arts for Secondary Education Minor

College: College of Arts & Humanities

Requirements for the English Language Arts for Secondary Education Minor

Code	Title	Credits
Introduction to Literature		
ENGL 167	Introduction to Literature	3
Literary Theory		
ENGL 266	Literary Analysis	3
Multicultural Literature		
ENGL 267	Literature of Diversity	3
Young Adult Literature		
ENGL 354	Young Adult Literature	3
Classic Texts		
Required course		
ENGL 320	Shakespeare	3
Elective course		
Select one of the following:		3
ENGL 316	British Literature to 1500	
ENGL 317	British Literature, 1500-1700	
ENGL 318	British Literature, 1700-1900	
ENGL 319	Modern and Contemporary British Literature	
ENGL 327	Puritan and Colonial American Literature	
ENGL 328	19th Century American Literature	
ENGL 329	20th and 21st Century American Literature	
ENGL 346	Pre-1800 World Literature	
ENGL 347	Post-1800 World Literature	
Teaching in English		
ENGL 488	Teaching English Language Arts	3
or ENGL 489	Teaching and Assessing Composition	
Total Credits		**21**

Strongly Recommended:

ENGL 287 Grammar For Teachers and Writers

University Requirements for Minors

Course work in the minor must be completed with the minimum GPA as specified by the department or program under which the minor falls, usually a 2.00 on a 4.00 scale, but higher in some programs. Transfer students must attain the minimum specified GPA on a combination of transfer credits accepted toward the minor and credits attempted at UW-Parkside.

At least half of the course work required for a minor must be completed at UW-Parkside.

English Minor

Department website (https://www.uwp.edu/learn/programs/englishminor.cfm)

College: College of Arts & Humanities

Requirements for the English Minor

Code	Title	Credits
Introduction to Literature		
ENGL 167	Introduction to Literature	3
Literary Theory		
ENGL 266	Literary Analysis	3
Shakespeare		
ENGL 320	Shakespeare	3
One 200-level Writing Course		
Select one of the following:		3
ENGL 201	Advanced Composition	
ENGL 202	Technical Writing	
ENGL 204	Writing for Business and Industry	
ENGL 206	Creative Writing: Poetry	
ENGL 207	Creative Writing: Fiction	
Three Upper-Division English Courses		
Select three upper-division English courses, one must be at the 400-level		9
Total Credits		**21**

University Requirements for Minors

Course work in the minor must be completed with the minimum GPA as specified by the department or program under which the minor falls, usually a 2.00 on a 4.00 scale, but higher in some programs. Transfer students must attain the minimum specified GPA on a combination of transfer credits accepted toward the minor and credits attempted at UW-Parkside.

At least half of the course work required for a minor must be completed at UW-Parkside.

Creative Writing Certificate

Department website (https://www.uwp.edu/learn/programs/creativewritingcertificate.cfm)

College: College of Arts & Humanities

Requirements for the Creative Writing Certificate

Code	Title	Credits
Introduction to Creative Writing		
ENGL 106	Introduction to Creative Writing	3
200-level Creative Writing Courses		
Select two of the following:		6
ENGL 206	Creative Writing: Poetry	

ENGL 207	Creative Writing: Fiction	
ENGL 208	Creative Writing: Screenplay	
Upper-division Requirements		
Select one of the following:		3
ENGL 306	Advanced Poetry Writing	
ENGL 307	Advanced Fiction Writing	
ENGL 310	Advanced Expository Writing	
Total Credits		**12**

University Requirements for Undergraduate Certificates

Course work in a certificate must be completed with a minimum 2.00 GPA. Departments or programs may require a higher GPA.

A minimum of 9 credits in a certificate program must be taken at UW-Parkside. Individual departments and programs may require more than 9 credits to be taken at UW-Parkside.

Film Studies Certificate

Department website (https://www.uwp.edu/learn/programs/filmstudies.cfm)

College: College of Arts & Humanities

Offered through the Department of Literatures and Languages.

Program Learning Outcomes

1. Be fluent in the basic vocabulary of film form.
2. Recognize variations of mode and style within the dominant modes of cinematic production (narrative, documentary, and experimental).
3. Comprehend the relationship between formal analysis and questions of interpretation.

Requirements for the Film Studies Certificate

Code	Title	Credits
Required Courses		
ENGL 252	Introduction to Film	3
ENGL 258	History of Film to 1950	3
ENGL 259	History of Film from 1950	3
Elective Courses		
Select two of the following:		6
ENGL 208	Creative Writing: Screenplay	
ENGL 253	Literature Into Film	
ENGL 290	Special Topics In English [1]	
ENGL 358	Film Genres	
ENGL 359	Digital Video	
ENGL 458	Studies in Film	
ENGL 490	Special Topics in English [1]	
ENGL 495	Seminar in Literature [1]	
ENGL 497	Senior Thesis	
ENGL 499	Independent Study	
THEA 224	Acting for the Camera	
Total Credits		**15**

[1] Topics courses ENGL 290/490 & 495 must have a film related topic to count as an elective for the certificate.

Additional film courses, offered through English and other departments, may also count toward completion of the film studies certificate. These courses will be determined on a semester-by-semester basis. Please contact the Department of Literatures and Languages.

University Requirements for Undergraduate Certificates

Course work in a certificate must be completed with a minimum 2.00 GPA. Departments or programs may require a higher GPA.

A minimum of 9 credits in a certificate program must be taken at UW-Parkside. Individual departments and programs may require more than 9 credits to be taken at UW-Parkside.

Professional Writing and Communication Certificate

Department website (https://www.uwp.edu/learn/programs/professionalwriting.cfm)

College: College of Arts & Humanities

The professional writing certificate is designed for students looking to specialize in writing and communication for career enhancement.

Program Learning Outcomes

1. Employ rhetorical strategies, genres, and conventions for writing and communicating in professional settings.
2. Use document design techniques and communication technologies appropriate for professional settings.
3. Produce products attentive to ethics, accessibility, and inclusion.

Requirements for the Professional Writing and Communication Certificate

Code	Title	Credits
Introduction to Professional Writing		
ENGL 168	Introduction to Professional Writing	3
Introduction to Digital Arts		
ART 104	Introduction to Digital Art	3
Grammar		
ENGL 287	Grammar For Teachers and Writers	3
Electives		
Select two of the following		6
ART 226	Modern Art and Graphic Design	
COMM 322	Public Relations Concepts and Practices	
ENGL 202	Technical Writing	
ENGL 204	Writing for Business and Industry	
ENGL 310	Advanced Expository Writing	
ENGL 385	Professional Editing	

ENGL 402	Advanced Technical Writing	
Internship		
ENGL 494	Internship in Writing and Editing	3
Portfolio Workshop		
ENGL 479	Portfolio Workshop: Professional Writing	1
Total Credits		**19**

University Requirements for Undergraduate Certificates

Course work in a certificate must be completed with a minimum 2.00 GPA. Departments or programs may require a higher GPA.

A minimum of 9 credits in a certificate program must be taken at UW-Parkside. Individual departments and programs may require more than 9 credits to be taken at UW-Parkside.

Environmental Studies

Department website (https://www.uwp.edu/learn/departments/environmentalstudies/)

College: College of Natural & Health Sciences

Student Organizations/Clubs:

BIOS Club, Geosciences Club, Geography Club, Parkside Environmental Club.

Career Possibilities:

Environmental consulting, ecology, environmental law and law enforcement, environmental restoration, environmental education, farming, forestry, journalism, land-use planning, natural resource management, science teaching, sustainable management, wetlands management, wildlife conservation.

Program Overview

The environmental studies program provides a learning environment that prepares students to understand and respond to local, regional, and global environmental challenges. The rigorous interdisciplinary curriculum fosters an understanding of the complexity of humans' relationship with nature and an appreciation of humankind's dependency on functioning ecosystems for survival. Through course work, research, and community engagement, the environmental studies faculty create an environment for students that cultivates independent thinking, creative problem solving, and effective communication skills. Environmental studies graduates are well prepared for a diversity of careers or graduate studies in environmental sciences, management, consulting or advocacy through a unique combination of course work and practical experience.

Academic Plan: Students wishing to complete a major in environmental studies must complete all the listed courses within the core of the environmental studies major. In addition, each student must complete at least one concentration listed below. Students who complete specific concentrations within the environmental studies major might qualify to receive a minor from the department whose classes make up the majority of the concentration (i.e. Students who complete the environmental geology concentration have met all the academic requirements for a minor in geosciences).

1. A common core set of classes
   a. These classes are the primary pre-requisites for nearly all the courses that will be listed within the concentrations
   b. These classes will also provide a solid amount of diversity and exposure to ENVS students within the various concentrations in the ENVS major
2. Concentrations with similar thematic courses
   a. Six separate concentrations
      i. Environmental Biology
      ii. Environmental Chemistry
      iii. Environmental Geography
      iv. Environmental Geology
      v. Environmental Policy and Society
      vi. General Environmental Studies

Note: The completion of this major will not satisfy all of the graduation requirements within the University (i.e. Thirty-six (36) credits of 300 level or higher coursework). It is the student's responsibility with consultation with the advisors for this program to ensure that both their major requirements and graduation requirements are satisfied.

Programs Offered

- Environmental Studies Major (BS) (p. 141)
- Environmental Studies Minor (p. 143)
- Freshwater Resources Minor (p. 144)
- Freshwater Resources Certificate (p. 145)

Environmental Studies Major Concentrations

- Environmental Biology
- Environmental Chemistry
- Environmental Geography
- Environmental Geology
- Environmental Policy and Society
- General Environmental Studies

Courses in Environmental Studies

ENVS 101 | Introduction to Environmental Studies | 3 cr

Examines interactions between earth system processes and humans including geologic hazards, water quality/quantity, pollution, land use, energy and mineral resources. Addresses impacts on environmental justice, economic development and policy. Uses a multidisciplinary, environmental studies approach to evaluate the conditions and human values conducive to environmental quality.
Prerequisites: None.
Offered: Fall, Spring, Summer.
Meets: Natural Science: ENVS, Natural Science: ENVS, Natural Science: ENVS, Natural Science: ENVS, Natural Science: ENVS

ENVS 102 | Chemistry of the Environment | 3 cr

Covers chemistry of the environment in three major areas: Earth's atmosphere, hydrosphere, and terrestrial environment. Focuses on key environmental issues, their origins, understanding and alleviation.
Prerequisites: None.
Offered: Spring.

ENVS 109 | Fundamentals of Climate Change | 3 cr
Surveys the current state of climate science including Earth's energy budget, the atmosphere, the greenhouse effect, ocean circulation, climate feedbacks, climate modeling and Earth's past climate. Also considers uncertainty in projections of future climate and solutions involving carbon sequestration, carbon-trade markets and energy efficiency. Three hour lecture.
Prerequisites: None.
Offered: Fall.
Meets: Natural Science: ENVS, Natural Science: ENVS, Natural Science: ENVS, Natural Science: ENVS, Natural Science: ENVS

ENVS 201 | Laboratory Experience in Environmental Studies | 3 cr
Provides laboratory experience in assessing, measuring, analyzing and monitoring environmental problems. Experiments may include measurements of environmental pollutants, use of instruments to detect environmental contaminants, and collection and sampling for water, soil and air analysis.
Prerequisites: ENVS 102.
Offered: Fall.

ENVS 290 | Special Topics in Environmental Science | 1-4 cr
Special topics in environmental studies will be examined.
Prerequisites: Consent of instructor.
Offered: Occasionally.

ENVS 335 | Energy | 4 cr
Various forms of energy and related topics are discussed from a vigorous point of view. These include mechanical energy; chemical energy, fossil fuels, and fuel cells; thermal energy and the laws of thermodynamics; electrical energy; and nuclear energy. Environmental impacts of each type of energy as well as alternative energy sources are also discussed. Three hour lecture and one hour discussion.
Prerequisites: MATH 111 and PHYS 101 or consent of instructor.
Offered: Spring.

ENVS 336 | Environmental Justice | 3 cr
Evaluates unsolved questions regarding themes of social inequities and environmental contamination. Includes topics such as industrial zoning, brownfield development, urban agriculture, air quality and toxic waste processing. Three hour lecture.
Prerequisites: ENVS 101 or BIOS 104.
Offered: Fall.

ENVS 390 | Special Topics in Environmental Science | 1-4 cr
Special topics in environmental studies will be examined.
Prerequisites: Consent of instructor.
Offered: Occasionally.

ENVS 490 | Special Topics in Environmental Science | 1-4 cr
Special topics in environmental studies will be examined.
Prerequisites: Consent of instructor.
Offered: Occasionally.

ENVS 494 | Internship/Fieldwork | 1-3 cr
Provides students with learning experiences within professional fields that are related to their career goals; such as business operations, professional competencies and conduct, and overall work environment. Requires placement approval by Environmental Studies Director. May be repeated for credit.
Prerequisites: Sophomore standing or above and Instructor, Director approval.
Offered: Fall, Spring, Summer.

ENVS 495 | Environmental Studies Seminar | 1 cr
Explores major environmental issues from a multidisciplinary perspective.
Prerequisites: Junior or senior standing; environmental studies major.
Offered: Spring.

ENVS 499 | Independent Study | 1-3 cr
An independent project carried out under the supervision of a member of the environmental studies faculty. Up to 3 credits may count as elective credit toward the minor.
Prerequisites: Consent of instructor and director.
Offered: Fall, Spring, Summer.

Environmental Studies Major (BS)

Department website (https://www.uwp.edu/learn/programs/environmentalstudiesmajor.cfm)

College: College of Natural & Health Sciences

Program Learning Outcomes

1. Understand the physical, biological and social forces that govern the development and evolution of environmental systems and demonstrate expertise in how these systems can be sustainably managed.
2. Collect, manage and analyze quantitative data to draw inferences about the nature of reality.
3. Work collaboratively as part of an interdisciplinary team to analyze and solve environmental problems through a combination of content knowledge and critical reasoning.
4. Analyze the roles of economics, politics, and society in evaluating and resolving environmental issues and have a thorough understand local, national, and international environmental laws, regulations and policies.
5. Effectively communicate environmental problems and solutions to both professional and non-professional audiences.

Requirements for the Environmental Studies Major

The major in environmental studies consists of 40 credits forming a core curriculum with an additional 27-32 credits within the students chosen concentration area.

Code	Title	Credits
College of Natural and Health Sciences requirement		
New entering students, and transfer students with less than 30 college credits, choosing a major in the College of Natural and Health Sciences are required to take this course.		
UWP 101	First Year Seminar: Natural and Health Sciences	1
Core Courses		
Required Courses		
ENVS 101	Introduction to Environmental Studies	3
ENVS 102	Chemistry of the Environment	3
ENVS 109	Fundamentals of Climate Change	3
ENVS 201	Laboratory Experience in Environmental Studies	3
ENVS 335	Energy	4
ENVS 336	Environmental Justice	3
ENVS 495	Environmental Studies Seminar	1

GEOG 108	Culture and Environmental Sustainability	3
PHYS 101	Principles of Physics	4
Math Requirement		
MATH 111	College Algebra I	5
Writing Requirement		
Select one of the following:		3
ENGL 201	Advanced Composition	
ENGL 202	Technical Writing	
ENGL 204	Writing for Business and Industry	
Policy, Society, and Ethics Requirement		
Select two of the following:		6
ANTH 100	Introduction to Anthropology	
PHIL 206	Introduction to Ethics	
POLS 100	American Politics [1]	
SOCA 101	Introduction to Sociology	
Core Courses Subtotal		42
Required Concentrations		
Choose one option		27-32
Required Concentrations Subtotal		27-32
Total Credits		**69-74**

[1] Environmental Policy and Society Concentration majors must use POLS 100 for their concentration requirement so must take 2 other courses from this option.

Required Concentrations

Choose one concentration:

Environmental Biology Concentration

Code	Title	Credits
BIOS 101	Bioscience	4
BIOS 102	Organismal Biology	4
BIOS 210	Biostatistics	4
BIOS 305	Principles of Ecology	4
BIOS 333	Restoration Ecology	4
BIOS 336	Conservation Ecology	3
MATH 114	College Algebra II/Trigonometry	5
BIOS 305 is a prerequisite for BIOS 333. MATH 114 is a perquisite for BIOS 210. MATH 112 and MATH 113 may be used together in place of MATH 114.		
Select one of the following:		4
BIOS 313	Invertebrate Zoology	
BIOS 318	Vertebrate Zoology	
BIOS 324	Botany	
BIOS 340	Animal Behavior	
Total Credits		**32**

Students may satisfy the requirements for a biological sciences minor with this concentration. It is the student's responsibility to officially declare the minor by submitting a plan declaration form to the department.

Environmental Chemistry Concentration

Code	Title	Credits
CHEM 101	General Chemistry I	4
CHEM 102	General Chemistry II	4
CHEM 103	General Chemistry Lab I	1
CHEM 104	General Chemistry Lab II	1
CHEM 206	Quantitative Chemical Analysis	5
CHEM 230	Introduction to Green Chemistry	2
CHEM 321	Organic Chemistry I	4
CHEM 322	Organic Chemistry II	4
CHEM 323	Organic Chemistry Lab	2
Total Credits		**27**

Students may satisfy the requirements for a chemistry minor and a certificate in green chemistry with this concentration. It is the student's responsibility to officially declare the minor by submitting a plan declaration form to the department.

Environmental Geography Concentration

Code	Title	Credits
Required Courses		
GEOG 100	Physical Geography and the Environment	3
GEOG 326	Biogeography	3
GEOG 350	Cartography and GIS	3
GEOG 365	Geography in Land Use Planning	3
GEOG 382	Soil Ecosystems and Resources	3
GEOG 384	Landscape Ecology	3
GEOG 460	Introduction to Geographic Information Systems Analysis	3
GEOG 465	Advanced Geographic Information Systems Applications	3
Required Courses Subtotal		24
Elective Courses		
Select two of the following:		6-8
GEOG 324	Landforms and Environmental Processes	
GEOG 355	Field Mapping	
GEOG 370	GIS and Planning	
GEOG 396	Field Methods in Geography	
GEOG 410	GIS and Communities	
Total Credits		**30-32**

Students may satisfy the requirements for a geography minor and GIS certificate with this concentration. It is the student's responsibility to officially declare the minor by submitting a plan declaration form to the department.

Environmental Geology Concentration

Code	Title	Credits
GEOS 101	Introductory Geology	3
GEOS 102	Origin and History of the Earth	3
GEOS 104	Introductory Geology Laboratory	2
GEOS 200	Minerals and Rocks	4
GEOS 301	Geomorphology	4
GEOS 330	Environmental Geology	4
GEOS 420	Glacial Geology	4

GEOS 445	Environmental Sampling, Monitoring, and Assessment	4
Total Credits		**28**

Students may satisfy the requirements for a geosciences minor with this concentration. It is the student's responsibility to officially declare the minor by submitting a plan declaration form to the department.

Environmental Policy and Society Concentration

Code	Title	Credits
Required courses:		
ANTH 382	Environmental Anthropology	3
ECON 120	Principles of Microeconomics	3
ECON 300	Environmental Economics	3
GEOG 308	Conservation of Cultural and Natural Resources	3
GEOG 365	Geography in Land Use Planning	3
POLS 100	American Politics	3
POLS 202	Public Policy	3
POLS 302	Environmental Policy	3
POLS 100 is a prerequisite for POLS 202. POLS 202 is a prerequisite for POLS 302.		
Elective courses:		
Select two of the following:		6
PHIL 342	Environmental Ethics	
POLS 307	Contemporary Political Thought	
POLS 312	Introduction to Global Warming Policy and Governance	
SOCA 379	Society and Environment	
Total Credits		**30**

Students may satisfy most requirements for a Political Science Minor. It is the student's responsibility to officially declare the minor by submitting a plan declaration form to the department.

General Environmental Studies Concentration

To complete this concentration, students must complete the following:

1. Choose at least two courses from four other concentrations (above). These must be unique courses; a student cannot count a course in two different concentrations.[1]
2. Students must complete a minimum of thirty (30) credits overall within the courses offered within the concentrations. This may require students to take more than two (2) classes from certain concentrations. This may or may not be satisfied by completing #1.
3. Students must complete of at least twelve (12) credits at the 300 level or higher.

[1] Within the environmental chemistry concentration, CHEM 101 General Chemistry I/CHEM 103 General Chemistry Lab I and CHEM 102 General Chemistry II/CHEM 104 General Chemistry Lab II are paired as a lecture/laboratory and if students choose these course pairs, each pair is counted as one course for students pursuing the general environmental studies concentration.

Depending on the courses taken within each concentration, students may qualify for a minor in the department offering the majority of courses within the concentration. Please consult with your advisor for more information.

General University Degree Requirements (Bachelor's Degree)

In addition to individual program requirements, students must also fulfill the following requirements:

Requirement	Credits
Skills	7-8
General Education	36
Foreign Language**	6-8
Ethnic Diversity	3
Total	52-55

** Transfer students in sustainable management, and health information management and technology collaborative, online degree-completion programs, the business management online degree-completion program, and the flexible option degree-completion program will be exempt from the university's foreign language requirement. See appropriate academic section for further information.

Skills Requirement (p. 13)

Code	Title	Credits
Reading and Writing		
ENGL 101	Composition and Reading	3
Computational Skills		
Select one of the following:		4-5
MATH 102	Quantitative Reasoning	
MATH 103	Elementary Statistics	
MATH 104	College Mathematics with Applications	
MATH 111	College Algebra I	
Total Credits		**7-8**

General Education (p. 13)

- General Education Course List (p. 157)

Foreign Language (p. 13)

Ethnic Diversity (p. 13)

Degree Requirements

Requirement	Credits
Minimum Total Credits	120
Upper Level Credits (300 level or above)	36
Residency	30

Cumulative Degree GPA: 2.0 minimum

Environmental Studies Minor

Department website (https://www.uwp.edu/learn/programs/environmentalstudiesminor.cfm)

College: College of Natural & Health Sciences

Requirements for the Environmental Studies Minor

Code	Title	Credits
Required Foundation Courses		
ENVS 109	Fundamentals of Climate Change	3
Select one of the following:		3-4
ENVS 101	Introduction to Environmental Studies	
GEOG 100	Physical Geography and the Environment	
GEOG 108	Culture and Environmental Sustainability	
Elective Science Courses		**6**
Choose 6 credits from the Environmental Biology, Chemistry, Geology, or Geography Concentrations. ENVS 102 (3 credits), 201 (3 credits), and 335 Energy (4 credits) may also be used for this elective. At least 3 credits must be 300-level or above.		
Elective Policy and Society Courses		**6**
Choose 6 credits of courses from the Environmental Policy and Society Concentration. ENVS 336 Environmental Justice (3 credits) can also be used for this elective. At least 3 credits must be 300-level or above.		
Upper-level Elective Course		**3**
Choose 3 credits of 300-level and above courses from any concentration or ENVS core courses not used to satisfy above requirements.		
Relevant Internship, Independent Study, or Special Topics courses can also be used to satisfy the Elective Science, Elective Policy and Society, and Upper-level Elective requirements for up to 9 credits.		
Total Credits:		**21-22**

University Requirements for Minors

Course work in the minor must be completed with the minimum GPA as specified by the department or program under which the minor falls, usually a 2.00 on a 4.00 scale, but higher in some programs. Transfer students must attain the minimum specified GPA on a combination of transfer credits accepted toward the minor and credits attempted at UW-Parkside.

At least half of the course work required for a minor must be completed at UW-Parkside.

Freshwater Resources Minor

Department website (https://www.uwp.edu/learn/programs/freshwaterresourcesminor.cfm)

College: College of Natural & Health Sciences

Requirements for Freshwater Resources Minor

Code	Title	Credits
Required Foundation Courses		
GEOS 106	Great Lakes Water Resources	3
Select 1 course:		3
Students choosing the Geography track in the Natural Science Courses area cannot select GEOG 100 for this section.		
ENVS 101	Introduction to Environmental Studies	
GEOG 100	Physical Geography and the Environment	
GEOG 108	Culture and Environmental Sustainability	
GEOS 101	Introductory Geology	
Select 1 chemistry sequence:		5-6
CHEM 101 & CHEM 103	General Chemistry I and General Chemistry Lab I	
ENVS 102 & ENVS 201	Chemistry of the Environment and Laboratory Experience in Environmental Studies	
Required Foundation Courses total		*11-12*
Natural Science Courses		
Choose 1 track: [1]		6-10
Biology		
BIOS 102	Organismal Biology	
BIOS 310	Freshwater Ecology	
Geography		
GEOG 100	Physical Geography and the Environment	
Select 1 course:		
GEOG 308	Conservation of Cultural and Natural Resources	
GEOG 324	Landforms and Environmental Processes	
Geosciences		
GEOS 104	Introductory Geology Laboratory	
GEOS 200	Minerals and Rocks	
Select 1 course:		
GEOS 301	Geomorphology	
GEOS 361	Hydrogeology	
Policy and Society Courses		
Choose 1 track: [1]		6-9
Anthropology		
ANTH 100	Introduction to Anthropology	
ANTH 382	Environmental Anthropology	
Economics		
ECON 120	Principles of Microeconomics	
ECON 300	Environmental Economics	
Policy		
POLS 100	American Politics	
POLS 202	Public Policy	
POLS 302	Environmental Policy	
Sociology		
SOCA 101	Introduction to Sociology	
SOCA 379	Society and Environment	
Total Credits		**23-31**

[1] Relevant Internship, Independent Study, or Special Topics courses can also be used to satisfy for up to 9 credits.

University Requirements for Minors

Course work in the minor must be completed with the minimum GPA as specified by the department or program under which the minor falls, usually a 2.00 on a 4.00 scale, but higher in some programs. Transfer students must attain the minimum specified GPA on a combination of transfer credits accepted toward the minor and credits attempted at UW-Parkside.

At least half of the course work required for a minor must be completed at UW-Parkside.

Freshwater Resources Certificate

Department website (https://www.uwp.edu/learn/programs/freshwatercert.cfm)

College: College of Natural & Health Sciences

Requirements for Freshwater Resources Certificate

Code	Title	Credits
Required Courses		
GEOS 106	Great Lakes Water Resources	3
Select 1 course:		3
ENVS 101	Introduction to Environmental Studies	
GEOG 100	Physical Geography and the Environment	
GEOG 108	Culture and Environmental Sustainability	
GEOS 101	Introductory Geology	
Elective Courses		
Select 2 courses: [1]		6-8
ANTH 382	Environmental Anthropology	
BIOS 310	Freshwater Ecology	
ECON 300	Environmental Economics	
ENVS 201	Laboratory Experience in Environmental Studies	
GEOG 308	Conservation of Cultural and Natural Resources	
GEOG 324	Landforms and Environmental Processes	
GEOS 301	Geomorphology	
GEOS 361	Hydrogeology	
PHIL 342	Environmental Ethics	
POLS 302	Environmental Policy	
SOCA 379	Society and Environment	
Total Credits		**12-14**

[1] Relevant Freshwater Collaborative of Wisconsin, Internship, Independent Study, or Special Topics courses can also be used to satisfy elective credits.

University Requirements for Undergraduate Certificates

Course work in a certificate must be completed with a minimum 2.00 GPA. Departments or programs may require a higher GPA.

A minimum of 9 credits in a certificate program must be taken at UW-Parkside. Individual departments and programs may require more than 9 credits to be taken at UW-Parkside.

Ethnic Studies

Department website (https://www.uwp.edu/learn/departments/ethnicstudies/)

College: College of Arts & Humanities

Career Possibilities:

Ethnic studies prepares students for an increasingly diverse 21st century. Ethnic studies alumni have continued onto graduate or law school for higher degrees, or found employment in education, social services, media, nonprofit, private and government organizations.

Program Overview

The Center for Ethnic Studies (CES) is an interdisciplinary program that places historically marginalized groups – Native American Indians, African Americans, Latinas/os and Asian Americans – at the center of academic inquiry. Ethnic studies courses critically examine race and ethnic inequality and power relations in the United States, including institutional racism and white privilege. The CES supports UW-Parkside initiatives relating to racial/ethnic diversity, the curriculum, campus climate, and retention of faculty, staff and students of color. The CES is responsible for reviewing course syllabi that fulfill the UW System's diversity (DV) requirement, and providing support to faculty and staff in developing courses that are inclusive of multiple histories, experiences, and bodies of knowledge. Ethnic studies has relevance to all students seeking a deeper understanding of what it means to be a U.S. American in a complex, diverse society.

Programs Offered

- Ethnic Studies Minor (p. 147)

Courses in Ethnic Studies

ETHN 101 | Geography of American Ethnicity and Race | 3 cr
Examines American ethnic and racial patterns from a geographic perspective. Considers historical forces shaping the geographical patterns of race and ethnicity. Explores contemporary issues in ethnic and race relations, including immigration. Cross-listed with: GEOG 101.
Prerequisites: None.
Offered: Fall, Spring, Summer.
Meets: Social & Behavioral Science: GEOG, Ethnic Diversity, Social & Behavioral Science: GEOG, Ethnic Diversity, Social & Behavioral Science: GEOG, Ethnic Diversity, Social & Behavioral Science: GEOG, Ethnic Diversity, Social & Behavioral Science: GEOG, Ethnic Diversity

ETHN 120 | Astronomy of Native America | 3 cr
Examines the astronomical views of Native Americans and looks at how mythos, science and discrimination intersect. Evaluates current cultural conflicts between science and native groups. Draws additional examples of the cultural development of astronomy and science from the Americas, Africa, Oceania, and Asia. Community-based learning designation. Cross-listed with: PHYS 120.
Prerequisites: None.
Offered: Fall, Spring.
Meets: Natural Science: PHYS, Ethnic Diversity, Community Based Learning, Natural Science: PHYS, Ethnic Diversity, Community Based Learning, Natural Science: PHYS, Ethnic Diversity, Community Based Learning, Natural Science: PHYS, Ethnic Diversity, Community Based Learning, Natural Science: PHYS, Ethnic Diversity, Community Based Learning

ETHN 201 | Introduction to Ethnic Studies | 3 cr
Examines key concepts and methodologies of U.S. ethnic studies with particular emphasis on four underrepresented groups: Native American Indians, African Americans, Asian Americans, and Latinas(os).
Prerequisites: Sophomore standing.
Offered: Fall.
Meets: Social & Behavioral Science: ETHN, Ethnic Diversity, Social & Behavioral Science: ETHN, Ethnic Diversity, Social & Behavioral Science: ETHN, Ethnic Diversity, Social & Behavioral Science: ETHN, Ethnic Diversity, Social & Behavioral Science: ETHN, Ethnic Diversity

ETHN 206 | Race and Ethnic Relations in the U.S. | 3 cr
Introduces the formation and dynamics of ethnic and race relations in the United States and their social consequences in terms of marginalizing people and the unfair distribution of their life chances. Cross-listed with: SOCA 206.
Prerequisites: ANTH 100 or SOCA 101.
Offered: Fall, Spring, Summer.
Meets: Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity

ETHN 208 | Multicultural Theatre in America | 3 cr
Examines African American, Asian American, Latino American, and Native American cultures utilizes dramatic texts, live performance events, and anthropological research as a means of exploring and understanding voices of diversity expressed on the American stage in the past 50 years. Field trips to theatrical productions required; additional fees required. Cross-listed with: THEA 208. Fulfills Ethnic Diversity Requirement. Field trips to theatrical productions required; additional fees required.
Prerequisites: ENGL 101.
Offered: Occasionally.
Meets: Humanities and the Arts: THEA, Ethnic Diversity, Humanities and the Arts: THEA, Ethnic Diversity, Humanities and the Arts: THEA, Ethnic Diversity, Humanities and the Arts: THEA, Ethnic Diversity, Humanities and the Arts: THEA, Ethnic Diversity

ETHN 290 | Special Topics in Ethnic Studies | 1-3 cr
Selected topics in ethnic studies will be examined.
Prerequisites: None.
Offered: Occasionally.

ETHN 302 | Race/Ethnicity: United States America 1890 to the Present | 3 cr
Examines the continuing evolution of the United States into "an American kaleidoscope" during the 20th century. Tests the various concepts and models of technocultural interaction against the complexity and diversity of historical development during a century of rapid, massive change. Fulfills Ethnic Diversity Requirement. Cross-listed with: HIST 302.
Prerequisites: Junior standing or consent of instructor.
Offered: Spring.
Meets: Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity

ETHN 315 | Diversity Law: Tribal Nations | 3 cr
Tribal relationship with the United States government, as nations within a nation. Tribal sovereignty, Marshall trilogy, removal, allotment, Reorganization Act, the Indian Civil Rights Act, termination, Public Law 280, religious freedom, and modern tribal governments. The tribal nations of Wisconsin are emphasized. Fulfills Ethnic Diversity Requirement. Cross-listed with: POLS 315.
Prerequisites: Ethnic Studies minor or POLS 100, POLS 216 recommended.
Offered: Occasionally.
Meets: Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity

ETHN 316 | Diversity Law: African Americans | 3 cr
Analyzes the relationship of African Americans to the United States Constitution, and includes such topics as slavery, the Fugitive Slave Acts, the Civil War Amendments, segregation, the civil rights movement, voting rights, affirmative action, and housing laws. Cross-listed with: POLS 316.
Prerequisites: Ethnic Studies minor or POLS 100, POLS 216 recommended.
Offered: Occasionally.
Meets: Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity

ETHN 320 | Privilege and Power | 3 cr
Examines oppressive social systems constituted by inequitable distributions of privilege and power. Focuses on the relationship between dominant groups and historically underrepresented groups in the U.S. Emphasis on issues of social justice and personal responsibility. Cross-listed with: COMM 320.
Prerequisites: Junior standing or consent.
Offered: Yearly.
Meets: Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity

ETHN 333 | Contemporary American Immigration | 3 cr
Examines the global economic, social, and political forces that have shaped immigration to the United States since the passage of the Immigration and Nationality Act of 1965 and the ways in which immigration is changing the nation and the world. Includes models of assimilation, political participation, and psychological and cultural considerations.
Cross-listed with: HIST 333.
Prerequisites: None.
Offered: Yearly.
Meets: Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity

ETHN 336 | African-American Music | 3 cr
Survey and study of development and evolution of African American music 17th century to present with attention given to historical, sociological, political, and humanistic contexts. Cross-listed with: MUSI 336.
Prerequisites: None.
Offered: Summer.
Meets: Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity

ETHN 337 | African-American History | 3 cr
Examines the experiences of African Americans from colonial times to the present, emphasizing their evolution as an ethnic group and their struggle for equality. Cross-listed with: HIST 337.
Prerequisites: HIST 101 or HIST 102.
Offered: Fall (odd years).
Meets: Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity

ETHN 338 | Music of the Great Migration: 1900-1960 | 3 cr
Survey and study of African American music, from 1900-1960, related to the Great Migration and its next generation. Attention given to historical, sociological, political and humanistic contexts. Community-based learning designation. Cross-listed with: MUSI 338.
Prerequisites: None.
Offered: Occasionally.
Meets: Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning

ETHN 339 | Music of the Great Migration: 1960-1990 | 3 cr
Survey and study of African American music, from 1960-1990, related to the Great Migration and its next generation. Attention given to historical, sociological, political and humanistic contexts. Cross-listed with: MUSI 339.
Prerequisites: None.
Offered: Occasionally.

ETHN 343 | Latinas/os in U.S. | 3 cr
Focuses on the social, political, and cultural dynamics of the Latina/o experience in the U.S. including racial/ethnic identity, racism, economy, immigration, colonialism. Cross-listed with: SOCA 343.
Prerequisites: ANTH 100 or ETHN 201 or SOCA 101.
Offered: Fall.
Meets: Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity

ETHN 360 | Critical Ethnic Studies | 3 cr
Examines social conditions under which ethnic groups are labeled as "races" in the United States and in selected other societies, focusing on perceptions of whiteness and hybridity and their social consequences. Cross-listed with: SOCA 360.
Prerequisites: ANTH 100 or SOCA 101.
Offered: Occasionally.
Meets: Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity

ETHN 363 | Communication and Ethnicity | 3 cr
Examines communication practices that construct, maintain, transform, or threaten ethnic identity in a co-cultural context. May be repeated with different content. Emphasis rotates among African Americans, Asian Americans, Latino/as, and Native American Indians. Cross-listed with: COMM 363.
Prerequisites: None.
Offered: Fall, Spring, Winterim.
Meets: Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity

ETHN 365 | Intercultural Communication | 3 cr
Investigates the relationship between culture and human interaction, emphasizing ethical aspects of communication.
Cross-listed with: COMM 365.
Prerequisites: None.
Offered: Yearly.

ETHN 390 | Special Topics in Ethnic Studies | 1-3 cr
Selected topics in ethnic studies will be examined.
Prerequisites: Junior standing, ETHN 201.
Offered: Occasionally.

ETHN 490 | Special Topics in Ethnic Studies | 1-3 cr
Selected topics in ethnic studies will be examined.
Prerequisites: Junior standing, ETHN 201.
Offered: Occasionally.

ETHN 494 | Internship | 1-3 cr
Supervised experience in planned projects that expose students to ethnic subcultures in the United States. Up to 3 credits can be applied to the minor.
Prerequisites: Consent of instructor, program director.
Offered: Fall, Spring.

ETHN 499 | Independent Study | 1-5 cr
Topics individually arranged. Descriptions for other minor courses are located in their respective departments.
Prerequisites: Consent of instructor, program director.
Offered: Fall, Spring, Summer.

Ethnic Studies Minor

Department website (https://www.uwp.edu/learn/programs/ethnicstudies.cfm)

College: College of Arts & Humanities

The ethnic studies minor may be combined with any major. It consists of 18 credits, 9 in the core courses, and 9 in the electives.

1. Ethnic studies encourages you to hold a mirror and reflect on your history which is typically absent in academe. You will be able to understand historical and cultural issues that are often the basis of human interaction in the public sphere, and in the workplace. Ethnic studies trains you in skills valuable to all professional fields including the ability to think critically and independently, particularly in terms of historical, cultural, and political analysis. an interdisciplinary program that helps you place historically marginalized groups such as American Indians, African Americans, Latinx, and Asian Americans at the center of academic inquiry. The minor in ethnic studies critically examine race, ethnic inequality, and power relations in the United States, including institutional racism and white privilege.

Requirements for the Ethnic Studies Minor

Code	Title	Credits
Required Core Courses		**9**
ETHN 201	Introduction to Ethnic Studies	
or GEOG 101	Geography of American Ethnicity and Race	
ETHN/SOCA 206	Race and Ethnic Relations in the U.S.	
ETHN/COMM 320	Privilege and Power	
Electives		**9**
Select nine credits from the following list. Limit of one course at each of the 100- and 200-levels, all nine credits may be taken at the 300-level. Courses must be taken from three different departments.		
COMM 107	Communication and the Human Condition	
ETHN/PHYS 120	Astronomy of Native America (Same As PHYS 120)	
LBST 103	Understanding Social Justice	
MUSI 106	Jazz Appreciation	
NURS 101	Cultural Diversity in Health Care	
ANTH/SOCA 227	North American Indians	
EDU 235	Immigration and Education	
ENGL 267	Literature of Diversity	
ETHN/THEA 208	Multicultural Theatre in America	
SPMT 210	Sport in Society	
CRMJ/SOCA 365	Race, Crime, Law	

ETHN/HIST 302	Race/Ethnicity: United States America 1890 to the Present
ETHN/MUSI 336	African-American Music
ETHN/HIST 337	African-American History
ETHN/MUSI 338	Music of the Great Migration: 1900-1960
ETHN/MUSI 339	Music of the Great Migration: 1960-1990
ETHN/SOCA 343	Latinas/os in U.S.
ETHN/SOCA 360	Critical Ethnic Studies
ETHN/COMM 363	Communication and Ethnicity (Same As COMM 363) [1]
ETHN/COMM 365	Intercultural Communication (Same As COMM 365)
LBST 300	Identity and Influence: The American Experience
CRMJ/POLS 367	Latinos(as) and the Law
PSYC 307	Cross Cultural Psychology
SOCA 323	Institutional Racism in America
SOCA 324	African-American Studies
SOCA 328	Asians in American Society
COMM 463	Gender, Race, Class and Sexualities in the Media
ETHN 494	Internship
or ETHN 499	Independent Study
Total Credits	**18**

[1] Focus rotates among African Americans, Asian Americans, Latinas/os, and Native American Indians. May be repeated with different content.

Additional diversity courses, offered through ethnic studies and other departments, may also count toward completion of the ethnic studies minor. These courses will be determined on a semester-by-semester basis. For more information please contact the current Center for Ethnic Studies Director.

University Requirements for Minors

Course work in the minor must be completed with the minimum GPA as specified by the department or program under which the minor falls, usually a 2.00 on a 4.00 scale, but higher in some programs. Transfer students must attain the minimum specified GPA on a combination of transfer credits accepted toward the minor and credits attempted at UW-Parkside.

At least half of the course work required for a minor must be completed at UW-Parkside.

Flexible Option Programs

Department website (https://www.uwp.edu/learn/flexoptions.cfm)

College: General

Flexible Option Overview

The UW Flexible Option is a new, innovative way to make degree and certificate programs more accessible, convenient, and affordable for adult and nontraditional students. Built on the long-standing foundation of high quality degree programs offered by University of Wisconsin System campuses, the UW Flexible Option includes self-paced, competency-based degree and certificate programs that allow students to make progress by demonstrating what they know, whether that knowledge was gained through prior coursework, military training, on-the-job training, or other learning experiences. Students must master identified competencies and pass assessments to demonstrate mastery.

UW-Parkside currently offers a bachelor of science in business administration (BSBA) degree completion program and a certificate in project management (PMGT) in the flexible option delivery mode. Details about UW-Parkside Flexible Options programs and the application and registration processes are available at http://flex.wisconsin.edu.

Policies

Flex option students participating in the BSBA degree program or the PMGT certificate program must follow the policies outlined by UW Parkside. Further information about policies is available in the policy section of the undergraduate catalog.

Flexible Option Admission Requirements

Flexible Option program admissions requirements are available at http://flex.wisconsin.edu.

Programs Offered

- Business Administration Major (BS) Flexible Option (p. 153)
- Agile Project Management Certificate Flexible Option (p. 155)
- Business Analytics Certificate Flexible Option (p. 156)

Business Administration Major Concentrations

- General Business Administration
- Business Analytics
- Agile Project Management

BABA 300X | Introduction to Business Analytics Applications | 1 cr

Introduces statistical techniques using spreadsheets to business applications in different functional areas.
Prerequisites: BAMA 300X; admission to the Flexible Option Program and consent of program representative.

BABA 301X | Visualization Tools for Data Analytics | 3 cr

Explores techniques for visualizing and analyzing business data.
Prerequisites: Admission to the Flexible Option Program and consent of program representative.

BABA 302X | R Fundamentals for Business Analytics | 2 cr

Introduces the use of R as a statistical and visualization tool.
Prerequisites: BAMA 300X; admission to the Flexible Option Program and consent of program representative.

BABA 303X | AI and Machine Learning Business Applications using R | 1 cr

Introduces applications of R for machine learning and AI involving business data.
Prerequisites: BABA 302X; admission to the Flexible Option Program and consent of program representative.

BABA 304X | Python Fundamentals for Data Analytics and Machine Learning | 2 cr
Explores use of Python as a statistical tool for analyzing business data.
Prerequisites: BAMA 300X; admission to the Flexible Option Program and consent of program representative.

BABA 305X | Data Analytics Applications in Marketing and Sales | 1 cr
Explores applying data analytics tools to marketing.
Prerequisites: BABA 301X, 303X; admission to the Flexible Option Program and consent of program representative.

BABA 306X | Data Analytics Applications in Human Resources and Strategic Management | 1 cr
Provides opportunity to apply data analytics tools to human resource management and strategic management.
Prerequisites: Admission to the Flexible Option Program and consent of program representative.

BABA 307X | Data Analytics Applications in Operations and Supply Chain | 1 cr
Provides opportunity to apply data analytics tools for analyzing operations and supply chains.
Prerequisites: Admission to the Flexible Option Program and/or consent of program representative.

BABA 308X | Data Analytics Applications in Accounting | 1 cr
Covers the use of accounting data and analytics tools through financial statement analysis and anomaly detection in business transactions.
Prerequisites: BABA 301X, 303X; admission to the Flexible Option Program and consent of program representative.
Offered: Yearly.

Courses in Flex Accounting and Economic

BAEF 100X | Microeconomic Market Analysis I | 1 cr
Analyzes both consumption and production sides of markets; identifies factors involved in changes in the equilibrium prices and production levels.
Prerequisites: Admission to the Flexible Option Program and consent of program representative.

BAEF 101X | Microeconomic Market Analysis II | 2 cr
Introduces the process of creating a market analysis. Includes instruction related to writing a proposal, research paper, and creating a video presentation of research results.
Prerequisites: BAEF 100X; admission to the Flexible Option Program and consent of program representative.

BAEF 110X | Government Budget Process | 1 cr
Exposes students to the dynamic process of balancing government budgets. Covers topics such as the national debt, budget deficits, spending cuts, and the difficulties of balancing budgets.
Prerequisites: Admission to the Flexible Option Program and consent of program representative.

BAEF 111X | Business Cycle Analysis | 2 cr
Explores the topic of economic recessions within a capitalist framework. Invites a deep understanding of fiscal and monetary policies that could be used to remedy the problem.
Prerequisites: BAEF 110X; admission to the Flexible Option Program and consent of program representative.

BAEF 200X | Financial Accounting: The Language of Business | 2 cr
Introduces basic accounting concepts including debts, credits, accounts, as well as the principles and constraints of accounting.
Prerequisites: Admission to the Flexible Option Program and consent of program representative.

BAEF 201X | Financial Accounting: Ethics and Internal Controls | 1 cr
Examines an organization's system of internal controls focusing on ethics and improvements geared to enhance efficient operations and accurate accounting information.
Prerequisites: BAEF 200X; admission to the Flexible Option Program and consent of program representative.

BAEF 210X | Cost Accounting Fundamentals and Applications | 1 cr
Focuses on methods of cost accounting fundamentals including cost classification, overhead rate development and application, and various costing methods. Includes direct/indirect costs, product/period costs, direct materials/labor costs, and manufacturing overhead.
Prerequisites: BAEF 201X; admission to the Flexible Option Program and consent of program representative.

BAEF 211X | Master Budget and Variance Analysis | 1 cr
Highlights the process of preparing a master budget and completing an overall performance evaluation through a variance analysis. Includes a variety of budgets and topics such as sales, schedule of cash collections, production, direct materials, schedule of case disbursements, direct labor, manufacturing overhead, finished goods inventory, and selling and administrative expenses.
Prerequisites: BAEF 210X; admission to the Flexible Option Program and consent of program representative.

BAEF 212X | Using Managerial Accounting Information for Decision Making | 1 cr
Correlates accounting information with business decision-making by exploring the relationships between cost, volume, and profit, as well as complete calculations related to contribution margin, target profit, break-even analysis, margin of safety, and operating levels.
Prerequisites: BAEF 210X; admission to the Flexible Option Program and consent of program representative.

BAEF 300X | Capital Budgeting Techniques | 1 cr
Provides an opportunity to create a business report which includes various mathematical computations to determine a project's after-tax cash flow, net present value, internal rate of return, profitability index, and the minimum required rate of return.
Prerequisites: BAMA 102X; admission to the Flexible Option Program and consent of program representative.

BAEF 301X | Stock Market Performance | 1 cr
Offers the experience of preparing a stock market performance report, which includes analysis of the Dow Jones Industrial Average, S&P 500, and the NASDAQ composite indexes.
Prerequisites: Admission to the Flexible Option Program and consent of program representative.

BAEF 302X | Business Financial Ratio Analysis | 1 cr
Provides an opportunity to create an executive report, which will determine the valuation of a selected firm. Focuses on detailed analysis by use of four different financial calculators.
Prerequisites: Admission to the Flexible Option Program and consent of program representative.

Courses in Flex Business Analytics

BABA 300X | Introduction to Business Analytics Applications | 1 cr
Introduces statistical techniques using spreadsheets to business applications in different functional areas.
Prerequisites: BAMA 300X; admission to the Flexible Option Program and consent of program representative.

BABA 301X | Visualization Tools for Data Analytics | 3 cr
Explores techniques for visualizing and analyzing business data.
Prerequisites: Admission to the Flexible Option Program and consent of program representative.

BABA 302X | R Fundamentals for Business Analytics | 2 cr
Introduces the use of R as a statistical and visualization tool.
Prerequisites: BAMA 300X; admission to the Flexible Option Program and consent of program representative.

BABA 303X | AI and Machine Learning Business Applications using R | 1 cr
Introduces applications of R for machine learning and AI involving business data.
Prerequisites: BABA 302X; admission to the Flexible Option Program and consent of program representative.

BABA 304X | Python Fundamentals for Data Analytics and Machine Learning | 2 cr
Explores use of Python as a statistical tool for analyzing business data.
Prerequisites: BAMA 300X; admission to the Flexible Option Program and consent of program representative.

BABA 305X | Data Analytics Applications in Marketing and Sales | 1 cr
Explores applying data analytics tools to marketing.
Prerequisites: BABA 301X, 303X; admission to the Flexible Option Program and consent of program representative.

BABA 306X | Data Analytics Applications in Human Resources and Strategic Management | 1 cr
Provides opportunity to apply data analytics tools to human resource management and strategic management.
Prerequisites: Admission to the Flexible Option Program and consent of program representative.

BABA 307X | Data Analytics Applications in Operations and Supply Chain | 1 cr
Provides opportunity to apply data analytics tools for analyzing operations and supply chains.
Prerequisites: Admission to the Flexible Option Program and/or consent of program representative.

BABA 308X | Data Analytics Applications in Accounting | 1 cr
Covers the use of accounting data and analytics tools through financial statement analysis and anomaly detection in business transactions.
Prerequisites: BABA 301X, 303X; admission to the Flexible Option Program and consent of program representative.
Offered: Yearly.

Courses in Flex Leadership and Management

BALM 100X | Introduction to Business Administration | 1 cr
Orients student to the academic design of the major and to the professional competencies in their intended discipline.
Prerequisites: Admission to the Flexible Option Program and consent of program representative.

BALM 200X | Analysis of a Selected Organization's Navigation of Law and Ethics | 3 cr
Examines negotiation, conciliation court rules and complaints, as well as the paperwork to form a limited liability company. Culminates in an interview with a business owner covering how the business owner plans for potential disputes, uses contracts, has selected a legal entity for the business, deals with government regulations, and the role ethics plays in the business operation.
Prerequisites: Admission to the Flexible Option Program and consent of program representative.

BALM 300X | Introduction to the HRM Function | 3 cr
Explores the function of human resource management (HRM) within organizations, including how it contributes to organizational strategy, the difference between strategic and transactional HRM, and how HRM supports other business areas. Covers basic skills in the areas of job analysis, recruitment, selection, training, development, compensation, employee relations, employment/labor law, ethics, and performance management.
Prerequisites: Admission to the Flexible Option Program and consent of program representative.

BALM 310X | Organizational Behavior and Leadership | 4 cr
Explores effective behavior in organizations covering the individual in the workplace, teams and team dynamics, and applying the knowledge in an organizational setting. Includes evaluating, assessing, and recommending appropriate communication styles and strategies related to specific business scenarios.
Prerequisites: ENGL 101; admission to the Flexible Option Program and consent of program representative.

BALM 320X | Project Planning, Requirements, and Stakeholder Management | 2 cr
Provides an opportunity for the creation of a comprehensive project plan. Requires completion of a project charter, project scope statement, cost benefit analysis, work breakdown structure, and other components using Microsoft Project.
Prerequisites: BAMA 102X, BAOS 300X; admission to the Flexible Option Program and consent of program representative.

BALM 321X | Project Budget, schedule, Quality and Risk Management | 1 cr
Applies critical path analysis, earned value analysis, risk analysis, probability impact matrix, project quality management tools, and project management process groups and knowledge areas to a given project scenario. Explains how the five process groups and ten knowledge areas interact with each other.
Prerequisites: BALM 320X; admission to the Flexible Option Program and consent of program representative.

BALM 400X | Strategic Management | 3 cr
Introduces strategic management, the different levels of planning in an organization, and the organizational structure as it pertains to planning. Includes the process of conducting a SWOT analysis of a local organization and its setting, seek out opportunities and risks, and provide a set of recommendations that will lead to a competitive advantage.
Prerequisites: BAEF 302X, BAMS 301X, BALM 310X, BAOS 300X, 321X; admission to the Flexible Option Program and consent of program representative.

BALM 410X | Designing Solutions for Business Challenges | 4 cr
Identifies an organization and its business challenges, designs solutions, identifies one best possible solution, and formulates the solution. Includes design of a mechanism to monitor and evaluate the effectiveness of the solution on a regular basis.
Prerequisites: BALM 300X, 400X; admission to the Flexible Option Program and consent of program representative.

Courses in Flex Marketing and Sales

BAMS 300X | Marketing Foundations Concepts and Application | 2 cr
Examines integration of the marketing function into the operation of a successful organization, including the role of marketing, the impact of the external environment on marketing strategies, market segmentation analysis, the concepts of the marketing mix, and conducting market research.
Prerequisites: Admission to the Flexible Option Program and consent of program representative.

BAMS 301X | Marketing Plan | 2 cr
Develops and presents a comprehensive marketing plan for an organization's products and/or services.
Prerequisites: BAMS 300X and ENGL 101; admission to the Flexible Option Program and consent of program representative.

BAMS 310X | Sales Concepts and Application | 1 cr
Examines the integration of the sales function into the operation of a successful organization, including the role of professional selling in meeting organizational objectives, the sales process, and the effectiveness of sales calls in the context of major sales models, buyer type, and buying situations.
Prerequisites: Admission to the Flexible Option Program and consent of program representative.

BAMS 311X | Sales and Sales Territory Management Practicum | 2 cr
Provides an opportunity to execute a professional sales call, plan and organize sales activities, and evaluate the student's own strengths and weakness related to sales functions.
Prerequisites: BAMS 310X; admission to the Flexible Option Program and consent of program representative.

Courses in Flex Math and Analysis

BAMA 300X | Business Analytics I | 2 cr
Performs data analysis, applying techniques such as probability, normal distributions, and applications of chi-Square. Analyzes a business scenario based on statistical results.
Prerequisites: BAOS 300X, BAMA 102X; admission to the Flexible Option Program and consent of program representative.

BAMA 301X | Business Analytics II | 2 cr
Continues to perform data analysis, applying various Regression and ANOVA techniques. Analyzes a given situation based on statistical results.
Prerequisites: BAMA 300X; admission to the Flexible Option Program and consent of program representative.

MATH 105AX | Business Algebra Fundamentals | 2 cr
Models business scenarios using algebraic techniques and analysis to help solve business problems and make predictions. Successfully completing MATH 105AX, MATH 105BX, and MATH 105CX satisfies the UW-P computational skills requirement for flexible option students.
Prerequisites: Admission to the Flexible Option Program and consent of program representative.

MATH 105BX | Money in the Bank: Application of Exponential and Logarithmic Functions | 1 cr
Covers evaluation of investment options, including factors such as interest rate, compounding period, and length of contract. Applies exponential and logarithmic functions to determine the best investment options. Successfully completing MATH 105AX, MATH 105BX, and MATH 105CX satisfies the UW-P computational skills requirement for flexible option students.
Prerequisites: MATH 105AX; admission to the Flexible Option Program and consent of program representative.

MATH 105CX | Application of Algebraic Methods to Model and Solve Business Problems | 1 cr
Models business scenarios using algebraic methods. Identifies and applies the best method to solve the business problems. Successfully completing MATH 105AX, MATH 105BX, and MATH 105CX satisfies the UW-P computational skills requirement for flexible option students.
Prerequisites: MATH 105BX; admission to the Flexible Option Program and consent of program representative.

Courses in Flex Operation Management

BAOS 300X | Sales Data Analysis and Communication Using Spreadsheets and Statistics | 2 cr
Delves into statistical concepts and how to compute them with spreadsheet formulas and other features.
Prerequisites: Admission to the Flexible Option Program and consent of program representative.

BAOS 301X | Database Design and Development | 1 cr
Appraises data needs of a business scenario, developing database design, constructing database, designing and running queries and reports needed for business decisions.
Prerequisites: BAOS 300X; admission to the Flexible Option Program and consent of program representative.

BAOS 302X | Building Competitive Advantage Using Information Systems | 1 cr
Constructs information system based on processes of hypothetical scenario, identifies security vulnerabilities of that information system and articulates its competitive advantages.
Prerequisites: BAOS 300X; admission to the Flexible Option Program and consent of program representative.

BAOS 303X | Enterprise Systems and E-Commerce | 1 cr
Examines usefulness, design, documentation and infrastructure of E-Commerce systems. Presents plan in framework of communication to key stakeholders; explains measurement and monitoring of effectiveness of design.
Prerequisites: BAOS 300X; admission to the Flexible Option Program and consent of program representative.

BAOS 310X | Reshoring Product Manufacturing | 2 cr
Examines analysis of imported product, reasons for outsourcing, Total Cost of Ownership (TCO), TCO estimates, and recommends for manufacturing location.
Prerequisites: Admission to the Flexible Option Program and consent of program representative.

BAOS 311X | Issues in Global Business | 2 cr
Examines economic, technological and cultural dimensions of doing business in a selected country for a hypothetical company; reports recommendations for expansion into market as a new sales territory.
Prerequisites: BAOS 310X and ENGL 101; admission to the Flexible Option Program and consent of program representative.

BAOS 320X | Evaluating Competitive Priorities in Operations Management | 1 cr
Evaluates gap between expected and actual performance levels to improve efficiency of business management, using gap analysis technique; identifies resources needed to solve problems; recommends how to approach operations issues under resources constraints.
Prerequisites: BAMA 301X; admission to the Flexible Option Program and consent of program representative.

BAOS 321X | Improving Productivity in Operations | 2 cr
Identifies areas for improvement in operations productivity; develops plan for business performance improvement; describes expected results; discusses key competitive priorities defined by operations; evaluates extent of organizational support for these priorities.
Prerequisites: BAOS 320X; admission to the Flexible Option Program and consent of program representative.

BAOS 400X | Foundational Concepts in Supply Chain Management | 1 cr
Identifies different types of products, supply chain characteristics, and corresponding strategies for managing operations; evaluates gaps and alignments between competitive and supply chain strategies. Applies techniques to improve customer service; provides recommendations for customized service and omnichannel experience to customers; evaluates the role of technology in managing supply chains.
Prerequisites: BAOS 321X; admission to the Flexible Option Program and consent of program representative.

BAOS 401X | Sourcing and Supplier Management Strategies in Supply Chains | 1 cr
Analyzes sourcing strategies; applies purchasing portfolio model and strategic cost management to make sourcing decisions. Evaluates performance of suppliers; provides feedback to suppliers.
Prerequisites: BAOS 400X; admission to the Flexible Option Program and consent of program representative.

BAOS 402X | Inventory Management and Distribution Strategies in Supply Chains | 1 cr
Formulates and applies various inventory models; calculate different types of costs associated with given inventory and distribution strategy; evaluates and selects potential for a new facility.
Prerequisites: BAOS 401X; admission to the Flexible Option Program and consent of program representative.

Courses in Project Management

PMGT courses that do not end with X are not part of the Flexible Option Programs.

PMGT 314X | PMP Exam Preparation | 1 cr
Discusses tips and best practices for preparing for the PMI certification exam.
Prerequisites: Admission to the Flexible Option Program and consent of program representative.
Offered: Yearly.

PMGT 315X | A System for Value Delivery | 1 cr
Explores a system of value delivery and how projects operate within a system to produce value for organizations and their stakeholders. Covers recognizing value delivery components and how they work together to deliver organizational value that is aligned with the organization's strategy.
Prerequisites: Admission to the Flexible Option Program and consent of program representative.
Offered: Yearly.

PMGT 316X | Principles of Project Management | 1 cr
Explores project management principles as foundational guidelines for strategy, decision making, and problem solving in the context of the organization, project, deliverables, project team, stakeholders, and other factors.
Prerequisites: Admission to the Flexible Option Program and consent of program representative.
Offered: Yearly.

PMGT 317X | Stakeholder and Team Project Performance Domains | 1 cr
Explores the concept of project domains and team performance. Examines team dynamics and essential personal skills necessary to achieve project outcomes.
Prerequisites: Admission to the Flexible Option Program and consent of program representative.
Offered: Yearly.

PMGT 318X | Development Approach and Life Cycle Project Performance Domain | 1 cr
Explores activities and functions associated with the development approach, cadence, and life cycle phases of the project.
Prerequisites: Admission to the Flexible Option Program and consent of program representative.
Offered: Yearly.

PMGT 319X | Planning Performance Domain | 1 cr
Explores activities and functions associated with the initial, ongoing, and evolving organization and coordination necessary to deliver project deliverables and outcomes.
Prerequisites: Admission to the Flexible Option Program and consent of program representative.
Offered: Yearly.

PMGT 320X | Project Performance Domains | 1 cr
Explores activities and functions associated with establishing project processes, managing physical resources, fostering a learning environment, and delivering the scope and quality of the project.
Prerequisites: Admission to the Flexible Option Program and consent of program representative.
Offered: Yearly.

PMGT 321X | Measurement and Uncertainty Project Performance Domains | 1 cr
Explores assessment of a project's performance and how to manage uncertainty and risk.
Prerequisites: Admission to the Flexible Option Program and consent of program representative.
Offered: Yearly.

PMGT 322X | Tailoring | 1 cr
Explores how projects are deliberately adapted throughout the lifecycle in order to make them more suitable for the given environment and work.
Prerequisites: Admission to the Flexible Option Program and consent of program representative.
Offered: Yearly.

PMGT 323X | Models, Methods and Artifacts | 1 cr
Explores how leadership, communication, motivation, change, complexity, and team development affect models, methods, and artifacts used in project management.
Prerequisites: Admission to the Flexible Option Program and consent of program representative.
Offered: Yearly.

PMGT 324X | Agile Framework | 3 cr
Explores tools and situational guidelines for the various agile approaches available to project managers. Examines how new project managers understand and adapt the agile approach.
Prerequisites: Admission to the Flexible Option Program and consent of program representative.
Offered: Yearly.

PMGT 341 | Basics of Project Management | 3 cr
Covers Project Management Body of Knowledge (PMBoK) specified by Project Management Institute (PMI) in detail. Includes life cycle, processes, integration, scope, time, cost, human resources, communication, risk and procurement.
Prerequisites: QM 210; completion of a minimum of 54 credits.
Offered: Fall.

PMGT 342 | Essential Personal Skills For Project Management | 3 cr
Provides a background in personal skills essential for effective project management, including general intelligence; emotional intelligence; groups and teams; project leadership; stress; ethics; and communication.
Prerequisites: None.
Offered: Fall, Summer.

PMGT 441 | Advanced Project Management Tools and Techniques | 3 cr
Covers advanced tools and techniques of project management, including Microsoft Project, and Microsoft Excel, Work Breakdown Structure (WBS), budgeting a project, scheduling a project using PERT/CPM, allocating scarce resources, critical chain and critical path, resource leveling, monitoring the project costs, evaluating and terminating a project. Multi-career cross-listing: CIS 641.
Prerequisites: PMGT 341.
Offered: Spring.

PMGT 442 | Project Management Simulation | 3 cr
Includes project scheduling, risk analysis, earned value, and teamwork. Applies project management skills to a simulated or live project, develop project justification and plan, and execute the plan and track performance. Multi-career cross-listing: CIS 642.
Prerequisites: PMGT 341, PMGT 342.
Offered: Spring.

Business Administration Major (BS) Flexible Option

Department website (https://www.uwp.edu/learn/programs/bsba.cfm)

College: College of Business, Economics, and Computing

The flexible option bachelor of science degree with a major in business administration (BSBA) program is a credit-based, competency-based degree completion program. The Flex BSBA is a non-term program with a new subscription period starting each month. Students register for flexible option courses in a three-month subscription period. Courses are designed to evaluate student competencies in 20 competency areas. Competency areas are functional areas of business (such as marketing, human resource management, finance, etc.) and are used to align competencies to different functional areas of traditional business degree programs. The 39 Flex BSBA courses include 116 assessment-level competencies, and are distributed across the 20 competency areas. Students must select a concentration in General Business Administration or Business Analytics.

Program Learning Outcomes

1. Demonstrate social and personal responsibility and ethical behavior for organizational contexts.
2. Apply financial tools and techniques to meet organizational objectives.
3. Design and evaluate operations, supply chain, marketing, human resources, management systems, structures, and processes in organizations.
4. Apply information technology and research methods to improve organizational decision-making.
5. Evaluate scenarios impacting an organization and respond using diverse communication strategies.
6. Evaluate economic, political, regulatory, legal, technological, and social contexts to address organizational challenges in a global society.
7. Apply intercultural knowledge, interpersonal skills and teamwork to function effectively in diverse environments.
8. Employ critical and systems thinking principles to create an integrated multi-functional strategy to meet organizational objectives.

Program-Specific Policies

Students cannot simultaneously register for courses in traditional programs when they enrolled in Flex BSBA courses.

Flexible Option BSBA Degree Completion Program Transfer Policies

Transfer students may fulfill some of the requirements for the flexible option business administration major at UW-Parkside by transferring appropriate courses taken elsewhere.

1. Students can transfer credits to satisfy courses in six competency areas: microeconomics, macroeconomics, financial accounting, managerial accounting, college algebra (or higher level), and business statistics. Only courses with at least three credits will be considered for transfer as equivalent or to fulfill a requirement. Competency area refers to a functional area of business (such as marketing, human resource management, finance etc.) and is used to align competencies to different functional areas of traditional business programs.
2. For credits transferred in one of the above competency areas, the courses are considered to be complete and will also fulfill prerequisites to other courses as equivalency indicates.
3. Students cannot transfer prior coursework to satisfy courses in any competency other than those already identified above. In some instances, if the student has completed equivalent courses at a previous institution, a very limited number of courses and credits may be transferred to fulfil the requirements of the BSBA program; this will be based on a strict evaluation of prior coursework.
   Note: The business communications competency area is satisfied through completion of courses that are not eligible for transfer.

4. Only academic work completed at institutions accredited by a regional or national accrediting organization recognized by the Council for Higher Education Accreditation are eligible for transfer.
5. A grade of "C" or higher is required (C- is not acceptable) for a transfer course to fulfill the following competency areas: microeconomics, macroeconomics, financial accounting, managerial accounting, college algebra (or higher level), and business statistics.

Flexible Option BSBA Degree Completion Program Grading

Students pursuing the Flex BSBA will receive the flexible option grades of "MD" (Mastery with Distinction), "M" (Mastery), and "PR" (Progress). See the university-wide policies on grades in the catalog for additional information.

In addition to the university-policies on grades, the following policies apply to Flex BSBA students:

- **Mastery Attempt Limit:** *Mastery Attempt Limit: Students are required to achieve mastery in each course within* ***four attempts****. This means that once a student receives a "PR" grade in any single flexible option course three times, (s)he will not be eligible to receive another "PR" grade in the same course in the* ***fourth attempt****. In the* ***fourth attempt****, students are required to complete the flexible option course with an "MD" or "M". If circumstances warrant it, students are eligible to receive other grades such as "I" (Incomplete) or "W" (withdraw), see the university-wide policies on grades in the catalog. Students who do not receive a grade of "M" or "MD" on the* ***fourth attempt*** *of a course will receive an* "F".
- **Audit Satisfactory (AUD) and Audit Unsatisfactory (AU-):** Students in the Flex BSBA program are allowed to audit Flex BSBA courses that they have successfully completed through transfer credits. The AUD and AU- grades are applicable to students repeating a course previously satisfied through transfer credit. If the student work meets or exceeds the stated criteria for mastery of a course and/or relevant competencies, student receives the grade of AUD; otherwise, the student receives the grade AU-. AUD and AU- grades are not considered as part of degree progress, GPA computations, and graduation requirements.

Requirements for the Business Administration Major Flexible Option

Graduation Requirements

1. Completion of 120 credits including general university requirements. BSBA degree completion students are exempt from the university foreign language requirement.
2. Completion of all courses and associated competency requirements of the BSBA degree completion program. Students must meet all requirements for the major and concentration in effect at the time of admission into the program.
3. Students must obtain a minimum grade of "M" (mastery) in each of the courses. To earn mastery in a course, students are required to demonstrate mastery in every competency in each course; to achieve this, students need to obtain a grade of 80% or higher in the related assessments. For more information on competencies, courses and competency areas refer to http.flex.wisconsin.edu (https://catalog.uwp.edu/programs/flexible-option-programs/business-administration-major/http.flex.wisconsin.edu).

Students cannot simultaneously register for courses in traditional programs when they enrolled in Flex BSBA courses.

Code	Title	Credits
Required Courses		
Economics and Finance Courses		
BAEF 100X	Microeconomic Market Analysis I	1
BAEF 101X	Microeconomic Market Analysis II	2
BAEF 110X	Government Budget Process	1
BAEF 111X	Business Cycle Analysis	2
BAEF 200X	Financial Accounting: The Language of Business	2
BAEF 201X	Financial Accounting: Ethics and Internal Controls	1
BAEF 210X	Cost Accounting Fundamentals and Applications	1
BAEF 211X	Master Budget and Variance Analysis	1
BAEF 212X	Using Managerial Accounting Information for Decision Making	1
BAEF 300X	Capital Budgeting Techniques	1
BAEF 301X	Stock Market Performance	1
BAEF 302X	Business Financial Ratio Analysis	1
BALM 100X	Introduction to Business Administration	1
Economics and Finance Courses Subtotal		*16*
Leadership and Management Courses		
BALM 200X	Analysis of a Selected Organization's Navigation of Law and Ethics	3
BALM 300X	Introduction to the HRM Function	3
BALM 310X	Organizational Behavior and Leadership	4
BALM 400X	Strategic Management	3
BALM 410X	Designing Solutions for Business Challenges	4
Leadership and Management Courses Subtotal		*17*
Math and Statistics Courses		
MATH 105AX	Business Algebra Fundamentals	2
MATH 105BX	Money in the Bank: Application of Exponential and Logarithmic Functions	1
MATH 105CX	Application of Algebraic Methods to Model and Solve Business Problems	1
BAMA 300X	Business Analytics I	2
BAMA 301X	Business Analytics II	2
Math and Statistics Courses Subtotal		*8*
Marketing for Business Courses		
BAMS 300X	Marketing Foundations Concepts and Application	2
BAMS 301X	Marketing Plan	2
Marketing for Business Courses Subtotal		*4*
Operations and Systems Courses		
BAOS 300X	Sales Data Analysis and Communication Using Spreadsheets and Statistics	2
BAOS 302X	Building Competitive Advantage Using Information Systems	1
BAOS 303X	Enterprise Systems and E-Commerce	1
BAOS 310X	Reshoring Product Manufacturing	2
BAOS 320X	Evaluating Competitive Priorities in Operations Management	1
BAOS 321X	Improving Productivity in Operations	2
BAOS 400X	Foundational Concepts in Supply Chain Management	1

BAOS 401X	Sourcing and Supplier Management Strategies in Supply Chains	1
BAOS 402X	Inventory Management and Distribution Strategies in Supply Chains	1
Operations and Systems Courses Subtotal		*12*
Select a Concentration		11-14
Total Credits		**68-71**

Business Administration Concentrations

Code	Title	Credits
General Business Administration Concentration		
BALM 320X	Project Planning, Requirements, and Stakeholder Management	2
BALM 321X	Project Budget, schedule, Quality and Risk Management	1
BAMS 310X	Sales Concepts and Application	1
BAMS 311X	Sales and Sales Territory Management Practicum	2
BAOS 301X	Database Design and Development	1
BAOS 310X	Reshoring Product Manufacturing	2
BAOS 311X	Issues in Global Business	2
Total Credits		**11**

Code	Title	Credits
Business Analytics Concentration [1]		
BABA 300X	Introduction to Business Analytics Applications	1
BABA 301X	Visualization Tools for Data Analytics	3
BABA 302X	R Fundamentals for Business Analytics	2
BABA 303X	AI and Machine Learning Business Applications using R	1
BABA 304X	Python Fundamentals for Data Analytics and Machine Learning	2
BABA 305X	Data Analytics Applications in Marketing and Sales	1
BABA 306X	Data Analytics Applications in Human Resources and Strategic Management	1
BABA 307X	Data Analytics Applications in Operations and Supply Chain	1
BABA 308X	Data Analytics Applications in Accounting	1
BAOS 301X	Database Design and Development	1
Total Credits		**14**

[1] Student cannot earn both a certificate and concentration in Business Analytics.

General University Degree Requirements (Bachelor's Degree)

In addition to individual program requirements, students must also fulfill the following requirements:

Requirement	Credits
Skills	7-8
General Education	36
Foreign Language**	6-8
Ethnic Diversity	3
Total	52-55

** Transfer students in sustainable management, and health information management and technology collaborative, online degree-completion programs, the business management online degree-completion program, and the flexible option degree-completion program will be exempt from the university's foreign language requirement. See appropriate academic section for further information.

Skills Requirement (p. 13)

Code	Title	Credits
Reading and Writing		
ENGL 101	Composition and Reading	3
Computational Skills		
Select one of the following:		4-5
MATH 102	Quantitative Reasoning	
MATH 103	Elementary Statistics	
MATH 104	College Mathematics with Applications	
MATH 111	College Algebra I	
Total Credits		**7-8**

General Education (p. 13)

- General Education Course List (p. 157)

Foreign Language (p. 13)

Ethnic Diversity (p. 13)

Degree Requirements

Requirement	Credits
Minimum Total Credits	120
Upper Level Credits (300 level or above)	36
Residency	30

Cumulative Degree GPA: 2.0 minimum

Agile Project Management Certificate Flexible Option

College: College of Business, Economics, and Computing

As a university residency requirement for a certificate, a minimum of nine credits in a certificate program must be taken at UW-Parkside. Individual departments and programs may require more than nine credits. The business department offers a certificate in project management that is available to undergraduate business and non-business majors as well as non-degree seeking students. This certificate's curriculum aligns closely with the Project Management Institute's standards for project management competencies and the current PMBOK7 exam.

Program Learning Outcomes

1. Apply project integration management principles across the lifespan of a project.\\n\\n
2. Develop and apply project scope management techniques.

3. Plan and monitor the project schedule leveraging time management techniques effectively.
4. Practice cost management techniques to monitor a project budget.
5. Utilize project quality management tools.
6. Acquire, develop, and manage an effective project team.
7. Demonstrate project communication management techniques.
8. Assess and manage project uncertainty and risks.
9. Implement project procurement strategies.
10. Evaluate stakeholder requirements and manage stakeholder needs.\ \n
11. Differentiate and select between different project management frameworks.
12. Articulate the principles of the Agile framework.\\n
13. Recognize the process steps and requirements to achieve certification through PMI.\\n

To be eligible for this certificate program, the student must meet at least one of the following requirements:

- Junior or senior standing at UW-Parkside or another college/ university;
- An undergraduate degree;
- Five years of business experience, preferably at mid-level management or above or at an entrepreneurial firm;
- Associate degree and two years of business experience, preferably at mid-level management or above or an entrepreneurial firm. A minimum of a 2.0 cumulative GPA in required courses is required to earn the certificate.

Code	Title	Credits
Optional/Elective Course:		
The following 1-credit course is not a required. However, it may help students prepare for the PMP certificate exam.		
PMGT 314X	PMP Exam Preparation	
Required:		
PMGT 315X	A System for Value Delivery	1
PMGT 316X	Principles of Project Management	1
PMGT 317X	Stakeholder and Team Project Performance Domains	1
PMGT 318X	Development Approach and Life Cycle Project Performance Domain	1
PMGT 319X	Planning Performance Domain	1
PMGT 320X	Project Performance Domains	1
PMGT 321X	Measurement and Uncertainty Project Performance Domains	1
PMGT 322X	Tailoring	1
PMGT 323X	Models, Methods and Artifacts	1
PMGT 324X	Agile Framework	3
Total Credits		**12**

Business Analytics Certificate Flexible Option

This certificate's curriculum aligns closely with with the competencies for visualization and analytics used in industry.

Program-Specific Policies

Students cannot simultaneously register for courses in traditional programs when they enrolled in a Flexible Option certificate.

Students cannot simultaneously do a concentration in business analytics and the certificate in business analytics – it is one or the other.

Requirements for the Business Analytics Certificate Flexible Option

To be eligible to be accepted into this certificate program, the student must meet at least one of the following requirements:

- Junior or senior standing at UW-Parkside or another college/ university;
- An undergraduate degree;
- Five years of business experience, preferably at mid-level management or above or at an entrepreneurial firm;
- Associate degree and two years of business experience, preferably at mid-level management or above or an entrepreneurial firm.

Code	Title	Credits
Required Courses		
BABA 300X	Introduction to Business Analytics Applications	1
BABA 301X	Visualization Tools for Data Analytics	3
BABA 302X	R Fundamentals for Business Analytics	2
BABA 303X	AI and Machine Learning Business Applications using R	1
BABA 304X	Python Fundamentals for Data Analytics and Machine Learning	2
BABA 305X	Data Analytics Applications in Marketing and Sales	1
BABA 306X	Data Analytics Applications in Human Resources and Strategic Management	1
BABA 307X	Data Analytics Applications in Operations and Supply Chain	1
BABA 308X	Data Analytics Applications in Accounting	1
Total Credits		**13**

General Education Program

Department website (https://www.uwp.edu/learn/departments/generaleducation/)

College: General

Degree Offered:

None

Program Contact:
Program Director: Doug Singsen
Email: generaleducation@uwp.edu

Overview

The role of the general education program in the liberal arts education provided by UW-Parkside is twofold:

1. to acquire a knowledge and skill set used across all academic disciplines; and

2. to become aware that knowledge is diverse and composed of different principles and methodologies.

The goal is to prepare students to be successful in their professional, civic, and personal lives because a liberal arts education takes students beyond training for a specific career; it establishes the knowledge and fundamental skills used throughout life.

The program learning goals are communication, reasoned judgment and social and personal responsibility. These goals are defined by outcomes that reflect skills and abilities valued by all employers. These learning outcomes are:

Communication

1. Literacy – reading for understanding and writing effective communication
2. Oral communication – listening, speaking and presenting effectively
3. Information technology – using modern information technology to retrieve and transmit information
4. Creative expression – communicating through artistic statement

Reasoned Judgment

1. Critical thinking – applying logic and reasoning to problem solving
2. Ethical thinking – recognizing and analyzing ethical issues and actions
3. Scientific thinking – understanding and applying the scientific method
4. Analytical skills – understanding how to produce and interpret quantitative and qualitative information
5. Aesthetic skills – critiquing and appreciating the fine arts (literary, visual, and performing)

Social and Personal Responsibility

1. Individual accountability – understanding what a responsible choice is and that one's present education and lifelong learning is a personal responsibility
2. Social justice – understanding and questioning the values and beliefs about social, political, economic and historical contexts that construct diversity and inequality
3. Civic engagement – learning to use knowledge and skills to contribute to the community
4. Global perspective – acquiring the knowledge and skills that provide an understanding of international/global issues and processes
5. Teamwork – working effectively with others for a common goal

These outcomes serve as university-wide shared learning goals and represent a framework for academic and professional success and lifelong learning. The distribution requirement fosters awareness of the difference principles and methodologies across disciplines as well as the similarities in the essential skills used by all disciplines. Students learn a "breadth" of knowledge by completing courses from disciplines representing:

- Humanities and the Arts
- Social and Behavioral Science
- Natural Science

The humanities and the arts foster imagination and creative expression through and about human experience in ways that the other areas do not. The social and behavioral sciences develop an understanding of social systems, the dynamics of individual and group behavior and the forces that operate in social relationships in areas ranging from economics to politics. The natural sciences develop an understanding of natural phenomena and the process and importance of scientific investigations.

Courses are approved on a bi-annual basis and reviewed on a five-year cycle by the General Education Committee. All General Education courses are to be offered on a yearly basis and at least one of the offerings from every department should be offered in an alternative format every three semesters. Course substitutions are typically not allowed because the assessment protocols are also part of the university's accreditation by the Higher Learning Commission. In general, changes are announced a full year in advance.

Program Requirement

Students must take 12 credits in each of three broad areas - Humanities and the Arts, Social and Behavioral Science, and Natural Science - for a total of 36 credits. Each of these three areas is further broken down into individual disciplines. Students must take courses in at least three different disciplines within each broad area. Courses taken to fulfill the General Education requirement may also be used to fulfill requirements in a major, minor or certificate.

Courses meeting General Education Requirements

Students are required to take **12 credit hours** from **each area** from at least **three different departments/programs** in each area. (A single course may be counted under one area only.)

UWX subject courses are for students in the online Associate of Arts and Sciences degree program.

Humanities and the Arts

12 credit hours from at least three different departments/programs

Code	Title	Credits
ART 100	Foundations of Art and Visual Culture	3
ART 102	Introduction to Two Dimensional Design	3
ART 103	Introduction to 3-D Design	3
ART 122	Introduction to Drawing	3
ART 124	Lowriders, Kicks, and Graffiti	3
ART 125	Survey of World Art	3
COMM 105	Public Speaking for the 21st Century	3
COMM 168	Introduction to Visual and Digital Communication	3
COMM 205	Oral Interpretation	3
COMM 285	Introduction to Conflict Analysis and Resolution	3
ENGL 106	Introduction to Creative Writing	3
ENGL 167	Introduction to Literature	3
ENGL 168	Introduction to Professional Writing	3
ENGL 252	Introduction to Film	3
ENGL 253	Literature Into Film	3
ENGL 267	Literature of Diversity	3
ETHN 208	Multicultural Theatre in America	3
GNED 102	Foundations of Learning: Humanities and the Arts	3
GNED 191	Special Topics: Humanities and the Arts	1-5
LBST 100	The Life Expressive: Introduction to the Arts and Humanities	3

LBST 101	Beauty, Bewilderment, and Love: The Humanities through 1500	3
LBST 102	Independence and Mystery: The Humanities from 1500 to the Present	3
LBST 103	Understanding Social Justice	3
MODL 191	Culture of Food: The French Case From Croissants to Champagne	3
MODL 218	French Life and Culture	3
MUSI 100	Appreciation of World Music	3
MUSI 101	Fundamentals of Music	3
MUSI 104	Music Appreciation	3
MUSI 106	Jazz Appreciation	3
MUSP 102	Large Music Ensemble	1
PHIL 101	Introduction to Philosophy	3
PHIL 102	Great Thinkers	3
PHIL 205	Philosophy of Religion	3
PHIL 206	Introduction to Ethics	3
PHIL 215	Contemporary Moral Problems	3
SPAN 203	Intermediate Spanish I	3
SPAN 204	Intermediate Spanish II	3
THEA 110	Theatre Appreciation	3
THEA 112	Behind the Scenes	3
THEA 114	Musical Theatre Appreciation	3
THEA 125	Acting I: Fundamentals of Acting	3
THEA 208	Multicultural Theatre in America	3
THEA 215	Queer Representation on Stage and Screen	3
UWX AR104	Introduction to Graphic Design and Digital Art	3
UWX AR175	Worlds of Art	3
UWX CM101	Introduction to Public Speaking	3
UWX CM114	Interpersonal Communication	3
UWX EN203	Creative Writing	3
UWX EN210	Business Communication	3
UWX EN250	Introduction to Literature	3
UWX EN278	Multicultural Literature in the United States	3
UWX LB103	Diversity in the U.S.	3
UWX MU278	Rock and Roll Roots	3
UWX PH121	Critical Thinking	3
UWX PH237	Technology, Values, and Society	3
UWX RE101	Introduction to Religion	3
UWX SP101	First Semester Spanish	4
UWX SP102	Second Semester Spanish	4
UWX SP236	Cultures and Civilizations of Mexico, the Caribbean, Central and South America	3
WGSS 112	Women In Literature	3
WGSS 215	Queer Representation on Stage and Screen	3

Social and Behavioral Science

12 credit hours from at least three different departments/programs

Code	Title	Credits
ANTH 100	Introduction to Anthropology	3
ANTH 200	Cultural Anthropology	3
ANTH 201	Introduction to Archaeology	3
BUS 100	Introduction to Business	3
BUS 201	Experiencing Business	3
CBL 101	Introduction to Community Engagement	3
COMM 107	Communication and the Human Condition	3
COMM 108	Media and Society	3
CPS 103	Introduction to Smart Cities	3
CPS 104	Introduction to Race and Ethnicity Concepts	3
CRMJ 101	Introduction to Criminal Justice	3
CSCI 279	Basic Information Security	3
ECON 101	The American Economy	3
ECON 120	Principles of Microeconomics	3
ECON 121	Principles of Macroeconomics	3
ETHN 101	Geography of American Ethnicity and Race	3
ETHN 201	Introduction to Ethnic Studies	3
FIN 134	Personal Financial Planning	3
GEOG 101	Geography of American Ethnicity and Race	3
GEOG 105	Contemporary Human Geography	3
GEOG 108	Culture and Environmental Sustainability	3
GEOG 110	Introduction to Geography: World Regions	3
GNED 104	Foundations of Learning: Social and Behavioral Sciences	3
GNED 193	Special Topics: Social and Behavioral Sciences	1-5
HIST 101	The United States: Origins to Reconstruction	3
HIST 102	The United States: Reconstruction to Recent Times	3
HIST 103	History and Cultures of Modern Asia	3
HIST 119	Western Civilization II: The Middle Ages to 1815	3
HIST 128	World History III: From 1800 to the Present	3
HLTH 270	Lifetime Wellness	3
INTS 100	Introduction to International Studies	3
INTS 210	Cultural Anthropology	3
INTS 228	Peoples of Southeast Asia	3
LBST 210	Introduction to Leadership	3
POLS 100	American Politics	3
POLS 103	Introduction to Comparative Politics	3
POLS 104	Introduction to International Relations	3
POLS 105	Introduction to Politics	3
POLS 116	Introduction to Law	3
PSYC 101	Introduction to Psychological Science	3
PSYC 275	Job Search and Work-Life Transitions	3
SOCA 101	Introduction to Sociology	3
SOCA 206	Race and Ethnic Relations in the U.S.	3
SOCA 207	Marriage and Family	3
SOCA 216	Social Issues in Substance Use and Abuse	3
SPMT 200	Ethics and Issues in Sport Management	3
SPMT 210	Sport in Society	3
UWP 294	Work-Based Learning	3
UWX AN100	Introduction to Anthropology	3
UWX BU101	Introduction to Business	3
UWX CM213	Intercultural Communication	3
UWX EC203	Macroeconomics	3
UWX EC204	Microeconomics	3
UWX FN210	Personal Finance	3

UWX GS101	Introduction to Gender, Sexuality and Women's Studies	3
UWX GS231	Sex, Power, and Public Policy	3
UWX HE106	Lifetime Wellness and Self Growth	3
UWX HS102	U.S. History Since 1877	3
UWX HS127	The World in the 20th Century	3
UWX PL104	Introduction to American Government and Politics	3
UWX PS101	General Psychology	3
UWX PS250	Lifespan Psychology	3
UWX SC101	Introduction to Sociology	3
UWX SC222	Race and Ethnicity	3
UWX SC231	Crime and Criminal Justice	3
UWX SS310	Media Literacy	3
UWX SW150	Social Advocacy and the Social Work Experience	3
WGSS 110	Introduction to Women's, Gender and Sexuality Studies	3
WGSS 213	Gender and Society	3

Natural Science

12 credit hours from at least three different departments/programs

Code	Title	Credits
ANTH 202	Human Evolution	3
BIOS 100	Nature of Life	3
BIOS 101	Bioscience	4
BIOS 103	Human Biology	3
BIOS 104	Environmental Science: Biological Approach	3
BIOS 109	Biology of Aging	3
BIOS 125	Fundamentals of Freshwater	3
CHEM 100	The World of Chemistry	3
CHEM 101	General Chemistry I	4
CHEM 115	Chemical Science	4
CSCI 105	Introduction to Computers	3
CSCI 130	Introduction to Programming	3
CSCI 220	Client Web Programming	3
CSCI 241	Computer Science I	5
ENVS 101	Introduction to Environmental Studies	3
ENVS 109	Fundamentals of Climate Change	3
ETHN 120	Astronomy of Native America	3
GEOG 100	Physical Geography and the Environment	3
GEOS 100	Earth in Perspective	3
GEOS 101	Introductory Geology	3
GEOS 105	Oceanography	3
GEOS 106	Great Lakes Water Resources	3
GEOS 107	Geology of National Parklands	3
GNED 106	Foundations of Learning: Natural Science	3
GNED 195	Special Topics: Natural Science	1-5
GSCI 102	Science and Pseudoscience	3
HLTH 250	First Aid and Safety	3
HLTH 280	Nutrition for Wellness	3
MATH 103	Elementary Statistics	4
MATH 110	Cultural Perspectives of Mathematics	3
MATH 221	Calculus and Analytic Geometry I	5
MATH 222	Calculus and Analytic Geometry II	5
MIS 221	Business Programming I	3
PHYS 101	Principles of Physics	4
PHYS 105	College Physics I	5
PHYS 110	Introduction to Astronomy	3
PHYS 120	Astronomy of Native America	3
PHYS 150	Physics of Music	3
PHYS 201	General Physics I	5
UWX AS100	Survey of Astronomy	3
UWX BL101	Concepts of Biology	4
UWX BL285	Anatomy and Physiology I	4
UWX BL286	Anatomy and Physiology II	4
UWX CH114	Chemistry in the Kitchen	4
UWX CH140	General Chemistry I Lab	1
UWX CH144	General Chemistry I	4
UWX CS130	Introduction to Programming	3
UWX ES105	Introduction to Environmental Science	3
UWX GE100	Physical Geography and the Environment	3
UWX GE170	Disasters: Living on the Edge	4
UWX HE209	Nutrition and Weight Management	3
UWX MA117	Elementary Statistics	4
UWX MA221	Calculus I	5

Courses offered by General Education

GNED 102 | Foundations of Learning: Humanities and the Arts | 3 cr

Introduces core skills essential to success in college and the professional workplace, including time management, study techniques, information literacy, and writing skills. Explores interdisciplinary thinking and problem-solving, through the frame of multiple academic or professional disciplines.Topics may vary by instructor.

Prerequisites: Freshman Standing.

Offered: Fall.

Meets: Humanities and the Arts: GNED, Humanities and the Arts: GNED, Humanities and the Arts: GNED, Humanities and the Arts: GNED, Humanities and the Arts: GNED

GNED 104 | Foundations of Learning: Social and Behavioral Sciences | 3 cr

Introduces core skills essential to success in college and the professional workplace, including time management, study techniques, information literacy, and writing skills. Explores interdisciplinary thinking and problem-solving, through the frame of multiple academic or professional disciplines.Topics may vary by instructor.

Prerequisites: Freshman Standing.

Offered: Fall.

Meets: Social & Behavioral Science: GNED, Social & Behavioral Science: GNED, Social & Behavioral Science: GNED, Social & Behavioral Science: GNED, Social & Behavioral Science: GNED

GNED 106 | Foundations of Learning: Natural Science | 3 cr
Introduces core skills essential to success in college and the professional workplace, including time management, study techniques, information literacy, and writing skills. Explores interdisciplinary thinking and problem-solving, through the frame of multiple academic or professional disciplines.Topics may vary by instructor.
Prerequisites: Freshman Standing.
Offered: Fall.
Meets: Natural Science: GNED, Natural Science: GNED, Natural Science: GNED, Natural Science: GNED, Natural Science: GNED

GNED 190 | Special Topics | 1-5 cr
Topics of special interest to the process, content and assessment of general education. May be repeated for credit with different topic. Note: In some cases, online formats may be explored.
Prerequisites: Varies by topic.
Offered: Occasionally.

GNED 191 | Special Topics: Humanities and the Arts | 1-5 cr
Topics of special interest to the process, content and assessment of general education with specific emphasis in humanities and the arts. May be repeated for credit with different topic.
Prerequisites: Varies with topic.
Offered: Occasionally.
Meets: Humanities and the Arts: GNED, Humanities and the Arts: GNED, Humanities and the Arts: GNED, Humanities and the Arts: GNED, Humanities and the Arts: GNED

GNED 193 | Special Topics: Social and Behavioral Sciences | 1-5 cr
Explores topics of special interest to the process, content and assessment of general education with specific emphasis in the social and behavioral sciences. May be repeated for credit with different topic.Counts towards completion of the university's general education requirement in the social and behavioral sciences.
Prerequisites: Varies with topic.
Offered: Occasionally.
Meets: Social & Behavioral Science: GNED, Social & Behavioral Science: GNED, Social & Behavioral Science: GNED, Social & Behavioral Science: GNED, Social & Behavioral Science: GNED

GNED 195 | Special Topics: Natural Science | 1-5 cr
Topics of special interest to the process, content and assessment of general education with specific emphasis in the natural sciences. May be repeated for credit with different topic.
Prerequisites: Varies with topic.
Offered: Occasionally.
Meets: Natural Science: GNED, Natural Science: GNED, Natural Science: GNED, Natural Science: GNED, Natural Science: GNED

GNED 290 | Special Topics in General Education | 1-3 cr
Topics of special interest to the process, content and assessment of general education. May be repeated for credit with different topic.
Prerequisites: Freshman, sophomore standing.
Offered: Occasionally.

General Science

College: College of Natural & Health Sciences

Overview

General science courses provide a broad introduction to science and the scientific method for the non-science major. These courses demonstrate the university's commitment to develop informed citizens who participate in their society with knowledge and understanding of science. Courses in this area are particularly useful for students preparing for careers in education.

Courses in General Science

GSCI 102 | Science and Pseudoscience | 3 cr
This course provides a general introduction to the meaning and method of true science which will be examined in relation to fringe and pseudoscience topics.
Prerequisites: None.
Offered: Fall, Spring.
Meets: Natural Science: GSCI, Natural Science: GSCI, Natural Science: GSCI, Natural Science: GSCI, Natural Science: GSCI

GSCI 108 | Introduction to Bioinformatics and Molecular Medicine | 3 cr
Basic understanding of molecular aspects regarding health combined with related computer programming experience and discussion of ethical issues.
Prerequisites: MATH 111 and ENGL 100; or consent of instructor.
Offered: Yearly.

GSCI 290 | Special Topics in General Science | 1-4 cr
Selected topics in science will be examined.
Prerequisites: None.
Offered: Occasionally.

GSCI 490 | Special Topics in General Science | 1-4 cr
Selected topics in science will be examined.
Prerequisites: None.
Offered: Occasionally.

GSCI 496 | Internship | 1-3 cr
Supervised science education experience arranged outside of the University setting.
Prerequisites: Consent of Instructor and department chair.
Offered: Fall, Spring, Summer.

GSCI 499 | Independent Study | 1-3 cr
Prerequisites: Consent of Instructor and department chair.
Offered: Fall, Spring, Summer.

Geography and Anthropology

Department website (https://www.uwp.edu/learn/departments/geography/)

College: College of Social Sciences & Professional Studies

Student Organizations/Clubs:

Parkside Geography Club
Anthropology Club

Career Possibilities:

Geography and anthropology are dynamic liberal arts majors / concentrations that combine cross-cultural perspectives and analytical skills. Students who major in geography are well prepared for careers in many fields including environmental analysis and management, geographic information systems (GIS), community development, and urban planning. Opportunities for employment are wide ranging. Employers understand that geography graduates possess a wide variety of professional abilities. Possible employers include mapping firms, environmental agencies, planning departments, site selection companies,

marketing departments, school districts, emergency management agencies, nonprofit organizations, and defense agencies.

Anthropology graduates work in a wide range of settings, including cultural resource management and contract archaeology; museum work; forensic anthropology; and ethnographic analysis such as user design for public or private institutions, both in the U.S. and internationally. Opportunities exist to apply anthropological knowledge to many problems of modern society, including the social impact of development, economic and political change, and cultural and natural resource management.

Department Overview

Geography is the study of the distribution, variation, and interrelation of the natural and cultural features of the Earth's surface. The UW-Parkside geography curriculum is designed to reflect the complexity of society and nature so that students will gain an understanding of the varied spatial factors that influence life in today's interconnected world. The geography major's and minor's mission is to extend geographic knowledge through exceptional educational programs, research projects, and service activities using advanced technology to train students and to solve problems. Geography's mission is important because aspects of place, area, location, and distribution are essential to resolving issues facing the region, the country and the world. Understanding global, national, and local patterns of economic activity, urban problems, cultural differences, and environmental change is vital and emphasized within the department.

Anthropology focuses on cultural and biological adaptations of all humankind. It is the comparative study of human life and culture in the past and present. It is concerned with human biological and cultural adaptations to physical and social environments in all parts of the world. The basic themes of anthropology include adaptation, evolution, change, and continuity. Anthropology is marked by specific methods from archaeological digs to ethnographic observation, focusing on systematic observations of how people live with each other, their belief systems, and how they make a living.

Students interested in geography have several options. Some students complete a general major in geography; many students include as part of their geography major one or more of the following:

- Concentration in Anthropology
- Concentration in Planning
- Concentration in Applied Environmental Geography
- Geographic Information Systems Minor[1]
- Certificate in Applied Archaeology
- Certificate in Geographic Information Systems
- Certificate in Museum Studies

[1] Students cannot earn both the GIS minor and the GIS certificate.

The concentration in anthropology focuses primarily on anthropology and has a slightly different set of core courses.

The department also offers minors in geography, anthropology, and geography for teachers.

Opportunities to assist in faculty research projects permit students to learn research tools used in geography and anthropology, and to apply concepts learned in the classroom. For example, students might learn how to take soil samples in the field, to analyze tree rings in the lab, to measure quality of life in segregated neighborhoods, or to use GIS for mapping, analysis, and decision making; they might collect oral histories to learn about how people think about their communities or participate in an archaeological dig. In addition, students can gain service experiences through community- based learning projects.

Programs Offered

- Anthropology Major (BA) (p. 165)
- Geography Major (BA) (p. 166)
- Anthropology Minor (p. 168)
- Geographic Information Systems (GIS) Minor (p. 169)
- Geography Minor (p. 170)
- Adaptations to Global Climate Change Certificate (p. 170)
- Applied Archaeology Certificate (p. 171)
- Forensic Anthropology Certificate (p. 171)
- Geographic Information Systems Certificate (p. 172)
- Museum Studies Certificate (p. 172)

Geography Major Concentrations

- Anthropology: Declarations of this concentration have been suspended beginning Fall 2024
- Applied Environmental Geography
- Planning

Courses in Anthropology

ANTH 100 | Introduction to Anthropology | 3 cr

Introduces the four fields in anthropology: biological anthropology, archaeology, cultural anthropology, and linguistic anthropology as well as an overview of applied anthropology.
Prerequisites: None.
Offered: Fall, Spring, Summer.
Meets: Social & Behavioral Science: ANTH, Social & Behavioral Science: ANTH, Social & Behavioral Science: ANTH, Social & Behavioral Science: ANTH, Social & Behavioral Science: ANTH

ANTH 200 | Cultural Anthropology | 3 cr

Introduces cross-cultural analysis of social structures and cultural systems, as well as changes due to economic, political and cultural globalization. Cross-listed with: INTS 210.
Prerequisites: None.
Offered: Fall.
Meets: Social & Behavioral Science: INTS, Social & Behavioral Science: INTS, Social & Behavioral Science: INTS, Social & Behavioral Science: INTS, Social & Behavioral Science: INTS

ANTH 201 | Introduction to Archaeology | 3 cr

Digs into concepts and methods for the scientific study of prehistoric cultures, including field methods, laboratory analysis, archaeological theory, and major trends in world prehistory and historical archaeology.
Prerequisites: None.
Offered: Fall, Spring.
Meets: Social & Behavioral Science: ANTH, Social & Behavioral Science: ANTH, Social & Behavioral Science: ANTH, Social & Behavioral Science: ANTH, Social & Behavioral Science: ANTH

ANTH 202 | Human Evolution | 3 cr
Analyzes the fossil evidence for human evolution. Explores modern human genetics, evolutionary theory, and biological variation within the human species.
Prerequisites: ANTH 100 or GEOG 100 or GEOG 105 or SOCA 101.
Offered: Fall.
Meets: Natural Science: ANTH, Natural Science: ANTH, Natural Science: ANTH, Natural Science: ANTH, Natural Science: ANTH

ANTH 227 | North American Indians | 3 cr
Surveys American Indian peoples of the United States and Canada focusing on various aspects of culture, history and recent culture change. Cross-listed with: SOCA 227.
Prerequisites: ANTH 100 or SOCA 101.
Offered: Fall (even years).
Meets: Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity

ANTH 228 | Peoples of Southeast Asia | 3 cr
Introduces the peoples and culture of Southeast Asia, including the mainland and islands; focuses on cultures, history, socioeconomic conditions, and the everyday life of people. Cross-listed with: INTS 228.
Prerequisites: ANTH 100 or GEOG 105 or INTS 100.
Offered: Spring.

ANTH 290 | Special Topics in Anthropology | 3 cr
Explores special topics in anthropology.
Prerequisites: ANTH 100.
Offered: Occasionally.

ANTH 300 | Topics in Data Collection and Analysis: | 3 cr
Develops skills in specific methods of data collection and analysis in anthropology. Topics will vary. May be repeated with a different topic.
Prerequisites: ANTH 100 or SOCA 101.
Offered: Fall, Spring, Summer.

ANTH 302 | Anthropological Theory | 3 cr
Examines historical and contemporary theories in social and cultural anthropology, application of theories in current research and explanation of people's cultures and relationships.
Prerequisites: ANTH 100 or SOCA 101; and junior standing.
Offered: Spring (even years).

ANTH 310 | Forensic Anthropology | 3 cr
Investigates human osteology involving the identification of human skeletal remains for legal and scientific purposes; including establishing age, sex, biological background, stature, trauma, abnormalities of growth, and details of health and nutritional history. Lecture/lab.
Prerequisites: ANTH 202.
Offered: Spring (odd years).

ANTH 312 | Anthropology of Language | 3 cr
Introduces concepts of linguistics and communication used in anthropology, including phonemics, historical linguistics, language acquisition, cognition, how meaning is formed through linguistic interactions, and modes of communication in different social settings.
Prerequisites: ANTH 100 or ANTH 202 or GEOG 105.
Offered: Fall (even years).

ANTH 320 | Heritage and Tourism | 3 cr
Examines heritage, the study of the past in the present, through examples from archaeology, socio-cultural anthropology, and tourism.
Prerequisites: ANTH 100.
Offered: Fall (odd years).

ANTH 327 | Archaeology of North America | 3 cr
Examines evidence for human migration to the New World and subsequent cultural developments in all major regions of North America north of Mexico.
Prerequisites: ANTH 100 or ANTH 201.
Offered: Spring (even years).

ANTH 357 | Livelihoods, Exchange, and Globalization | 3 cr
Analyzes comparative economic organizations emphasizing non-state societies from cross-cultural perspective. Emphasizes exchange, diverse ways of making a living, and economic change with colonialism and globalization.
Prerequisites: ANTH 100 or GEOG 105 or SOCA 101.
Offered: Spring (even years).

ANTH 362 | Migration and Immigration | 3 cr
Examines migration and immigration as major processes of change in the United States and internationally, focusing on migrant communities, social networks, and work activities. Cross-listed with: SOCA 362.
Prerequisites: ANTH 100 or SOCA 101.
Offered: Spring (even years).

ANTH 382 | Environmental Anthropology | 3 cr
Examines anthropological human/environmental relations. Discusses ecological concepts and processes in relation to past and present human life, in simple and complex societies. Focuses on anthropological perspectives on current environmental problems as aspects of the cultural adaptation to natural and social environments.
Prerequisites: ANTH 100 or GEOG 108 or ENVS 101.
Offered: Spring (even years).

ANTH 390 | Special Topics in Anthropology | 3 cr
Examines special topics in anthropology.
Prerequisites: ANTH 100.
Offered: Occasionally.

ANTH 402 | Advanced Human Evolution | 3 cr
Develops advanced knowledge of evolutionary science specific to Homo sapiens and our immediate ancestors. Applies this understanding to modern-day people and issues.
Prerequisites: ANTH 202.
Offered: Spring.

ANTH 405 | Forensic and Mortuary Archaeology | 3 cr
Explores methods and theories in bioarchaeology. Examines the relationship of bioarchaeology to forensic anthropology and archaeology. Introduces students to new and emerging ways of conceptualizing bioarchaeological investigations and studies. Examines cross cultural funerary practices.
Prerequisites: ANTH 100; and ANTH 201 recommended.
Offered: Fall.

ANTH 455 | International Development and Change | 3 cr
Analyzes comparative social change and international development, focusing on theories of change, the role of development agencies, and case studies of development projects. Cross-listed with: SOCA 455.
Prerequisites: 6 credits of upper-level anthropology or sociology courses.
Offered: Occasionally.

ANTH 490 | Special Topics in Anthropology | 1-3 cr
Delves into special topics in anthropology.
Prerequisites: ANTH 100; 6 credits of upper-level anthropology.
Offered: Occasionally.

ANTH 491 | Anthropology Fieldwork | 1-10 cr
Provides field research experience with faculty supervision.
Prerequisites: ANTH 100; consent of instructor and department chair.
Offered: Fall, Spring, Summer.

ANTH 494 | Internship in Anthropology | 1-4 cr
Provides opportunities for community experience emphasizing practical application of anthropology in suitable settings.
Prerequisites: ANTH 100, junior standing; consent of instructor and department chair.
Offered: Occasionally.

ANTH 499 | Independent Study | 1-4 cr
Provides opportunity for independent work on specific problems in anthropology, under faculty supervision.
Prerequisites: ANTH 100, junior standing; and consent of instructor and department chair.
Offered: Occasionally.

Courses in Geography

GEOG 100 | Physical Geography and the Environment | 3 cr
Investigates the patterns and processes of Earth's physical and biological systems and their influence on human behavior and distribution. Includes human impacts on climate, hydrologic cycle, and ecosystem development.
Prerequisites: None.
Offered: Fall, Spring, Summer.
Meets: Natural Science: GEOG, Natural Science: GEOG, Natural Science: GEOG, Natural Science: GEOG, Natural Science: GEOG

GEOG 101 | Geography of American Ethnicity and Race | 3 cr
Examines American ethnic and racial patterns from a geographic perspective. Considers historical forces shaping the geographical patterns of race and ethnicity. Explores contemporary issues in ethnic and race relations, including immigration. Cross-listed with: ETHN 101.
Prerequisites: None.
Offered: Fall, Spring, Summer.
Meets: Social & Behavioral Science: GEOG, Ethnic Diversity, Social & Behavioral Science: GEOG, Ethnic Diversity, Social & Behavioral Science: GEOG, Ethnic Diversity, Social & Behavioral Science: GEOG, Ethnic Diversity, Social & Behavioral Science: GEOG, Ethnic Diversity

GEOG 105 | Contemporary Human Geography | 3 cr
An overview of significant themes in human geography including population issues, cultural differences, globalization, languages, politics and foreign affairs, settlement patterns, migration, and economic organization.
Prerequisites: None.
Offered: Spring.
Meets: Social & Behavioral Science: GEOG, Social & Behavioral Science: GEOG, Social & Behavioral Science: GEOG, Social & Behavioral Science: GEOG, Social & Behavioral Science: GEOG

GEOG 108 | Culture and Environmental Sustainability | 3 cr
Explores interrelationships of cultural and natural systems, need for sustainability, and how different cultural groups view nature. Varying perspectives on environmentalism and what going green means to different parts of society. Resolving environmental problems and building sustainable futures.
Prerequisites: None.
Offered: Fall, Spring.
Meets: Social & Behavioral Science: GEOG, Social & Behavioral Science: GEOG, Social & Behavioral Science: GEOG, Social & Behavioral Science: GEOG, Social & Behavioral Science: GEOG

GEOG 110 | Introduction to Geography: World Regions | 3 cr
Studies the cultural and physical characteristics of major world regions. Examines how people live in different parts of the world. Emphasizes globalization, environmentalism, and geographic perspectives on current international issues.
Prerequisites: None.
Offered: Fall.
Meets: Social & Behavioral Science: GEOG, Social & Behavioral Science: GEOG, Social & Behavioral Science: GEOG, Social & Behavioral Science: GEOG, Social & Behavioral Science: GEOG

GEOG 250 | Map Use and Analysis | 3 cr
Introduces interpretation, analysis, and function of topographic and thematic maps. Includes hands on experience using maps and GPS in both the classroom and the field. Requires fees.
Prerequisites: None.
Offered: Occasionally.

GEOG 290 | Special Topics in Geography | 1-4 cr
Selected topics in geography will be examined.
Prerequisites: None.
Offered: Occasionally.

GEOG 291 | Special Topics in GIS: | 3 cr
Introduces selected topics and applications in Geographic Information Systems.
Offered: Occasionally.

GEOG 306 | Natural Disasters and Society | 3 cr
Exploration of natural disasters and their impacts on humans. Topics include earthquakes, tsunamis, volcanoes, tornadoes, hurricanes, floods, asteroid and comet impacts. Disaster planning and mitigation, GIS applications in disaster management.
Prerequisites: None.
Offered: Occasionally.

GEOG 308 | Conservation of Cultural and Natural Resources | 3 cr
Examines policies and problems in the use and management of both natural and cultural resources.
Prerequisites: None.
Offered: Spring (odd years).

GEOG 315 | Geography of Wisconsin | 3 cr
Describes Wisconsin's characteristics and compares the state to the rest of the United States. Explores patterns of history, population, climate, topography, economic activity, transportation, culture, and recreation. Examines current and ongoing statewide issues are examined from a geographic perspective.
Prerequisites: None.
Offered: Occasionally.

GEOG 323 | Climate Change | 3 cr
Investigates characteristics, processes, distribution, classification and geographical significance of Earth's climates. Causes and consequences of climate changes, especially its impacts on human populations.
Prerequisites: GEOG 100.
Offered: Occasionally.

GEOG 324 | Landforms and Environmental Processes | 3 cr
Examines the characteristics, processes, and distribution of Earth's landforms. Focuses on historical geology, tectonic events, rock formation, glaciations, river systems, soil development and consequences for humans. Includes field trip, lab applications, and aerial photo interpretation.
Prerequisites: GEOG 100 or GEOS 100 or consent of instructor.
Offered: Fall.

GEOG 326 | Biogeography | 3 cr
Focuses on the distribution of biodiversity in space and time. Includes plant identification, ecological and evolutionary patterns, conservation, restoration ecology, paleodynamics, and human impacts on species distributions. Includes field trips.
Prerequisites: GEOG 100 or BIOS 100 or BIOS 102 or BIOS 104.
Offered: Occasionally.

GEOG 350 | Cartography and GIS | 3 cr
Examines cartographic theory and methods as well as GIS technology. Covers the history of cartography, role of maps in society, quantitative and qualitative thematic mapping, and maps as both art and science. Explains digital cartographic design and data processing using GIS. Requires fees.
Prerequisites: None.
Offered: Fall.

GEOG 355 | Field Mapping | 3 cr
Focuses on the collection and analysis of field data using sub-meter Global Navigation Satellite Systems (GNSS) and Unmanned Aerial Vehicles (UAV). Community-based learning designation. Requires fees.
Prerequisites: GEOG 350.
Offered: Occasionally.
Meets: Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning

GEOG 360 | Urban Geography | 3 cr
Focuses on characteristics of urban regions. Analysis of the factors that determine urban development as well as patterns within urban areas. Transportation and housing issues. Ethnic neighborhoods and urban government. Urban planning models and practice are introduced to study urban problems like poverty, congestion, crime and infrastructure.
Prerequisites: A course in geography.
Offered: Fall.

GEOG 365 | Geography in Land Use Planning | 3 cr
Examines the forces and factors shaping contemporary land use patterns in the United States. Presents concepts, theories, and tools of land use planning through selected case studies from southeastern Wisconsin and northern Illinois.
Prerequisites: A course in geography.
Offered: Spring.

GEOG 370 | GIS and Planning | 3 cr
Focuses on the application of GIS technology to help planners research, analyze, and to create plans encountered by city planners. Requires fees.
Prerequisites: GEOG 350.
Offered: Occasionally.

GEOG 375 | Geography of Transportation | 3 cr
The significance of transportation within the modern world. Geographic analysis of transportation systems with emphasis on networks, cost, new technologies, commodity flows, traffic patterns, impacts on development, the different modes, and transportation problems. Transportation planning is included.
Prerequisites: A course in geography.
Offered: Occasionally.

GEOG 382 | Soil Ecosystems and Resources | 3 cr
Digs into soils as both natural bodies and as managed resources. Examines physical and chemical properties of soils, plant nutrition from soils, environmental impacts of climate, geomorphology, organisms on soils, and how soils are managed. Includes lab and field experience.
Prerequisites: GEOG 100.
Offered: Occasionally.

GEOG 384 | Landscape Ecology | 3 cr
Examines the effects of spatial structure on ecosystem processes and biodiversity. Covers landscape scale, natural disturbances, animal movements, patch dynamics, design of nature reserves, and the wildland-urban interface. Includes labs and outside field trips. Multi-career cross-listing: MAPS 584.
Prerequisites: GEOG 100 or 326 or consent of instructor.
Offered: Fall.

GEOG 390 | Special Topics in Geography | 3 cr
Selected topics in geography will be examined.
Prerequisites: None.
Offered: Occasionally.

GEOG 391 | Special Topics in Geographic Information Systems | 3 cr
Investigates selected topics and applications in Geographic Information Systems.
Prerequisites: GEOG 350 or consent of instructor.
Offered: Occasionally.

GEOG 396 | Field Methods in Geography | 3 cr
Provides opportunity to apply geographic concepts, scientific inquiry, methods, and tools in a field setting. Field trip required. May be repeated for credit with a different topic for a maximum of 9 credits.
Prerequisites: Consent of instructor.
Offered: Occasionally.

GEOG 410 | GIS and Communities | 3 cr
Examines the ethical ways to plan and execute community engaged research using Geographic Information Systems (GIS). Explores technical methods of computer-based spatial analysis to solve real-world social problems. Community-based learning designation. Requires fees.
Prerequisites: GEOG 350 or GEOG 460.
Offered: Occasionally.
Meets: Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning

GEOG 455 | Remote Sensing | 3 cr
Overview of remote-sensing systems (airborne and satellite). Principles of photographic and electromagnetic remote sensing systems which detect, record and measure distributions of natural and cultural phenomena. Interpretation of aerial and orbital imagery for urban planning and environmental research.
Prerequisites: GEOG 250 or GEOG 350 or consent of instructor.
Offered: Occasionally.

GEOG 460 | Introduction to Geographic Information Systems Analysis | 3 cr
Introduces spatial analysis using GIS technology, including data acquisition, integration and editing. Explores spatial analysis of natural and cultural phenomena using both vector and raster data models. Requires field-based data collection using GPS with a focus on local community issues. Requires fees.
Prerequisites: None.
Offered: Fall.

GEOG 465 | Advanced Geographic Information Systems Applications | 3 cr
Delves into advanced topics in GIS concepts and applications including data collection and integration, spatial analysis, project management and terrain analysis using digital elevation models. Focus on local community issues. Requires fees.
Prerequisites: GEOG 460 or consent of instructor.
Offered: Spring.

GEOG 490 | Special Topics in Geography | 1-3 cr
Selected topics in geography will be examined.
Prerequisites: Consent of instructor.
Offered: Occasionally.

GEOG 491 | Special Topics in Geographic Information Systems | 3 cr
Examines selected topics and applications in Geographic Information Systems.
Prerequisites: GEOG 350 or consent of instructor.
Offered: Occasionally.

GEOG 494 | Internship in Geography | 1-12 cr
Practical applications of geographic concepts, methods, and technologies. By working in planning agencies, GIS departments, environmental organizations, or other private of public units, students gain real world experience. Enrollment dependent on availability of suitable placement.
Prerequisites: Junior standing, geography or related major, 2.75 GPA in geography courses; consent of instructor and department chair.
Offered: Fall, Spring, Summer.

GEOG 495 | Senior Seminar | 3 cr
Provides opportunity to apply knowledge, concepts, and methods of geography and anthropology. Includes completing an original research project and communicating the results, as well as career development activities.
Prerequisites: Senior standing, geography or related major.
Offered: Spring.

GEOG 499 | Independent Study | 1-3 cr
Under instructor supervision, individual investigation of a topic related to geography. Maximum of 6 credits may be applied toward the major.
Prerequisites: Junior standing, 2.25 overall GPA; consent of instructor and department chair.
Offered: Fall, Spring, Summer.

Courses in Museum Studies

MSST 300 | Museum Studies | 2 cr
Introduction to the museum field focusing on methods and skills needed to work in a variety of museum professions. Features presentations by museum professionals working in local museums.
Prerequisites: Sophomore standing or consent of instructor.
Offered: Occasionally.

MSST 305 | Introduction to Museum Management | 2 cr
Introduces essential aspects of museum management and administration.
Prerequisites: MSST 300 or consent of instructor.
Offered: Occasionally.

Anthropology Major (BA)

College: College of Social Sciences & Professional Studies

Students enrolled at the University of Wisconsin-Parkside are eligible to be admitted into the program.

Anthropology focuses on cultural and biological adaptations of all humankind. It is the comparative study of human life and culture in the past and present. It combines cross-cultural perspectives and analytical skills. Anthropology is concerned with both human biological and cultural adaptations to physical and social environments in all parts of the world. The basic themes of anthropology include adaptation, evolution, change, and continuity. Anthropology is marked by specific methods from archaeological digs to ethnographic observation, focusing on systematic observations of how people live with each other, their belief systems, and how they make a living.

Anthropology graduates work in a wide range of settings, including cultural resource management and contract archaeology; museum work; forensic anthropology; and ethnographic analysis such as user design for public or private institutions, both in the U.S. and internationally. Opportunities exist to apply anthropological knowledge to many problems of modern society, including the social impact of development, economic and political change, and cultural and natural resource management.

Opportunities to assist in faculty research projects permit students to learn research tools used in anthropology, and to apply concepts learned in the classroom. These prepare them for their future careers. For example, students might learn how to use GIS for mapping, analysis, and decision making; they might collect oral histories to learn about how people think about their communities; or participate in an archaeological dig. In addition, students can gain service experiences through community- based learning projects.

Program Learning Outcomes

1. Demonstrate an understanding of cultures and societies in their own terms (cultural relativism) (Knowledge/Conceptual: focusing on critical thinking, global perspective, and individual experience).
2. Recognize ethnocentrism and its consequences for their ability to understand people of different cultures (Knowledge/Conceptual: focusing on critical thinking, global perspective, and individual experience).
3. Evaluate the impact of social and physical environment on individual experience (Knowledge/Conceptual: focusing on critical thinking, global perspective, and individual experience).
4. Apply anthropological concepts and interpretations to improve their ability to interact and work with people from diverse backgrounds and cultures (Knowledge/Conceptual: focusing on critical thinking, global perspective, and individual experience).
5. Record, interpret, and communicate qualitative and quantitative evidence (Methodological/Analytical and Technical Skills: focusing on analytical skills; information technology competence).
6. Find, organize, and critically evaluate information using a variety of tools such as maps, statistics, and a variety of archaeological and ethnographic methods; as well as analysis of culture and social relationships (Methodological/Analytical and Technical Skills: focusing on analytical skills; information technology competence).
7. Analyze and use appropriate technologies where available (Methodological/Analytical and Technical Skills: focusing on analytical skills; information technology competence).
8. Use anthropological knowledge to address important issues locally and globally (Synthesize and Communicate:focusing on literacy and oral communication).
9. Demonstrate critical thinking skills to conduct research and solve problems (Synthesize and Communicate: focusing on literacy and oral communication).

Code	Title	Credits
Required Courses		
ANTH 100	Introduction to Anthropology	3
ANTH 200	Cultural Anthropology	3
ANTH 201	Introduction to Archaeology	3

ANTH 202	Human Evolution	3
ANTH 300	Topics in Data Collection and Analysis: [1, 2]	3
ANTH 302	Anthropological Theory	3
ANTH 312	Anthropology of Language	3
ANTH 491	Anthropology Fieldwork	3
GEOG 350	Cartography and GIS	3
GEOG 495	Senior Seminar	3
SOCA 250	Statistics for the Social Sciences	4
Required Course Total		*34*
Elective Courses		
Select 9 credits with 6 credits at the 300-level or above		9
ANTH 227	North American Indians	
ANTH 228	Peoples of Southeast Asia	
ANTH 310	Forensic Anthropology	
ANTH 320	Heritage and Tourism	
ANTH 327	Archaeology of North America	
ANTH 357	Livelihoods, Exchange, and Globalization	
ANTH 362	Migration and Immigration	
ANTH 382	Environmental Anthropology	
ANTH 390	Special Topics in Anthropology	
ANTH 402	Advanced Human Evolution	
ANTH 455	International Development and Change	
ANTH 490	Special Topics in Anthropology	
ANTH 494	Internship in Anthropology	
ANTH 499	Independent Study	
GEOG 308	Conservation of Cultural and Natural Resources	
GEOG 323	Climate Change	
GEOG 360	Urban Geography	
GEOG 410	GIS and Communities	
Total Credits		**43**

1 Students can take a different statistics course at 200-level or above if it is more appropriate for their career goals.

2 Students may take this multiple times if the topic is different; but it is not required.

General University Degree Requirements (Bachelor's Degree)

In addition to individual program requirements, students must also fulfill the following requirements:

Requirement	Credits
Skills	7-8
General Education	36
Foreign Language**	6-8
Ethnic Diversity	3
Total	52-55

** Transfer students in sustainable management, and health information management and technology collaborative, online degree-completion programs, the business management online degree-completion program, and the flexible option degree-completion program will be exempt from the university's foreign language requirement. See appropriate academic section for further information.

Skills Requirement (p. 13)

Code	Title	Credits
Reading and Writing		
ENGL 101	Composition and Reading	3
Computational Skills		
Select one of the following:		4-5
MATH 102	Quantitative Reasoning	
MATH 103	Elementary Statistics	
MATH 104	College Mathematics with Applications	
MATH 111	College Algebra I	
Total Credits		**7-8**

General Education (p. 13)

- General Education Course List (p. 157)

Foreign Language (p. 13)

Ethnic Diversity (p. 13)

Degree Requirements

Requirement	Credits
Minimum Total Credits	120
Upper Level Credits (300 level or above)	36
Residency	30

Cumulative Degree GPA: 2.0 minimum

Geography Major (BA)

Department website (https://www.uwp.edu/learn/programs/geographymajor.cfm)

College: College of Social Sciences & Professional Studies

Preparation for Graduate School

A major in geography provides excellent preparation for students seeking graduate study and degrees in geography, urban planning, environmental studies, international affairs, resource management, and other related fields.

Those opting for a concentration in anthropology are likewise qualified to enter graduate programs in a variety of fields, including historic preservation, cultural resource management, forensic anthropology, museum studies, global studies, international development, as well as find work in a range of public and private settings, such as in nonprofit social organizations, government agencies, and businesses.

Internships

The department is strengthened by an internship program with placement in local public or private sector locations, as well as the GIS Lab. Students can gain valuable experience in a variety of real-world settings which increases their skills and adds to their resumes.

Program Learning Outcomes

1. Knowledge: [global perspective and individual accountability] Apply fundamental geographic and anthropological knowledge and concepts in the major areas of physical geography, human geography, and anthropology; analyze the interrelationships between the environment/nature and human activities.
2. Analytical and Technical Skills: [analytical skills; information technology competence] Utilize a variety of tools: maps, statistics, field methods, geographic information systems; global positioning systems in geography; and anthropological field methods such as archaeological excavation and ethnographic interviewing as well as analysis of material culture or meanings and social relationships; analyze and use appropriate technologies where available.
3. Synthesize and Communicate: [critical thinking; literacy and oral communication] Demonstrate critical thinking skills to conduct research and solve problems, such as review literature, collect and analyze data using a variety of methods, and present the results.

Requirements for the Geography Major

Declarations of the Anthropology concentration have been suspended beginning Fall 2024.

Code	Title	Credits
Core Courses [1]		
Required Core Courses		
GEOG 100	Physical Geography and the Environment	3
GEOG 108	Culture and Environmental Sustainability	3
GEOG 110	Introduction to Geography: World Regions	3
GEOG 323	Climate Change	3
GEOG 350	Cartography and GIS	3
GEOG 360	Urban Geography	3
GEOG 495	Senior Seminar	3
ANTH 357	Livelihoods, Exchange, and Globalization	3
Elective Core Courses		
Human Geography Elective		
Select one of the following:		3
GEOG 101	Geography of American Ethnicity and Race	
GEOG 105	Contemporary Human Geography	
Elective Statistics Course [2]		
Select one of the following:		4
BIOS 210	Biostatistics	
SOCA 250	Statistics for the Social Sciences	
Core Courses Subtotal		*31*
Choose one Major Completion Option		**9**
Total Credits		**40**

[1] Geography majors are required to complete the following courses or their equivalents; geography majors choosing a concentration in anthropology have a different set of required core courses and electives to allow for a heavier focus on anthropology. The full list of requirements for the geography major with a concentration in anthropology are listed together under the anthropology concentration section (B.4.).

[2] A substitution of an appropriate statistics course for student's interest may be chosen in consultation with advisor.

Major Completion Options

General Geography Major

The general major is designed to provide students a broad background in geography.

Code	Title	Credits
Select nine credits of 300-level and above GEOG courses [1]		9
Total Credits		**9**

[1] GEOG 494 (Internship) and GEOG 499 (Independent Study) may be counted towards these credits in consultation with the department.

Concentration in Planning

The concentration in planning is for geography majors interested in careers or graduate study in urban and regional planning, business planning, environmental planning, or related fields.

Code	Title	Credits
Required Courses		
GEOG 365	Geography in Land Use Planning	3
GEOG 375	Geography of Transportation	3
Required Courses Subtotal		6
Elective Course [1]		
Select one of the following:		
GEOG 306	Natural Disasters and Society	
GEOG 308	Conservation of Cultural and Natural Resources	
GEOG 370	GIS and Planning	
GEOG 384	Landscape Ecology	
Elective Course Subtotal		3
Total Credits		**9**

[1] GEOG 494 (Internship) and GEOG 499 (Independent Study) may be counted towards these credits in consultation with the department.

Concentration in Applied Environmental Geography

This concentration allows geography majors to emphasize physical geography and environmental analysis through a combination of classroom, lab, and field experiences. A career in environmental management is one example of where this concentration could be used.

Code	Title	Credits
Select three of the following: [1]		9
ANTH 382	Environmental Anthropology	
GEOG 306	Natural Disasters and Society	
GEOG 308	Conservation of Cultural and Natural Resources	
GEOG 324	Landforms and Environmental Processes	
GEOG 326	Biogeography	
GEOG 382	Soil Ecosystems and Resources	
GEOG 384	Landscape Ecology	
GEOG 396	Field Methods in Geography	
Total Credits		**9**

[1] GEOG 494 (Internship) and GEOG 499 (Independent Study) may be counted towards these credits in consultation with the department.

Concentration in Anthropology

This concentration allows students to emphasize anthropology. This concentration takes a four-field approach, covering cultural, linguistic, biological anthropology and archaeology. The core course requirements for the anthropology concentration differ from the other geography major completion options to allow for more appropriate anthropology courses.

Code	Title	Credits
Required Core Courses		
GEOG 100	Physical Geography and the Environment	3
or GEOG 105	Contemporary Human Geography	
GEOG 350	Cartography and GIS	3
GEOG 495	Senior Seminar	3
Required Core Courses Subtotal		9
Required Overview Courses		
ANTH 100	Introduction to Anthropology	3
ANTH 200	Cultural Anthropology	3
ANTH 201	Introduction to Archaeology	3
ANTH 202	Human Evolution	3
Required Overview Courses Subtotal		12
Methods, Theory, and Fieldwork Courses		
SOCA 250	Statistics for the Social Sciences [1]	4
or BIOS 210	Biostatistics	
SOCA 295	Social Science Research Methods	3
ANTH 300	Topics in Data Collection and Analysis:	3
ANTH 302	Anthropological Theory	3
ANTH 491	Anthropology Fieldwork	3
Methods, Theory, and Fieldwork Courses Subtotal		16
Regional Ethnographic Elective		
ANTH 227	North American Indians	3
or ANTH 228	Peoples of Southeast Asia	
Regional Ethnographic Elective Subtotal		3
Elective Courses		
Select two of the following:		6
ANTH 310	Forensic Anthropology	
ANTH 312	Anthropology of Language	
ANTH 327	Archaeology of North America	
ANTH 357	Livelihoods, Exchange, and Globalization	
ANTH 362	Migration and Immigration	
ANTH 382	Environmental Anthropology	
ANTH 390	Special Topics in Anthropology	
ANTH 455	International Development and Change	
ANTH 490	Special Topics in Anthropology	
ANTH 494	Internship in Anthropology	
ANTH 499	Independent Study	
GEOG 360	Urban Geography	
Elective Courses Subtotal		
Total Credits		**46**

[1] A substitution of an appropriate statistics course for student's interest may be chosen in consultation with advisor.

General University Degree Requirements (Bachelor's Degree)

In addition to individual program requirements, students must also fulfill the following requirements:

Requirement	Credits
Skills	7-8
General Education	36
Foreign Language**	6-8
Ethnic Diversity	3
Total	52-55

** Transfer students in sustainable management, and health information management and technology collaborative, online degree-completion programs, the business management online degree-completion program, and the flexible option degree-completion program will be exempt from the university's foreign language requirement. See appropriate academic section for further information.

Skills Requirement (p. 13)

Code	Title	Credits
Reading and Writing		
ENGL 101	Composition and Reading	3
Computational Skills		
Select one of the following:		4-5
MATH 102	Quantitative Reasoning	
MATH 103	Elementary Statistics	
MATH 104	College Mathematics with Applications	
MATH 111	College Algebra I	
Total Credits		**7-8**

General Education (p. 13)

- General Education Course List (p. 157)

Foreign Language (p. 13)

Ethnic Diversity (p. 13)

Degree Requirements

Requirement	Credits
Minimum Total Credits	120
Upper Level Credits (300 level or above)	36
Residency	30

Cumulative Degree GPA: 2.0 minimum

Anthropology Minor

Department website (https://www.uwp.edu/learn/programs/anthropologyminor.cfm)

College: College of Social Sciences & Professional Studies

Program Learning Outcomes

1. Knowledge: [global perspective and individual accountability] Apply fundamental geographic and anthropological knowledge and concepts in the major areas of physical geography, human geography, and anthropology; analyze the interrelationships between the environment/nature and human activities.
2. Analytical and Technical Skills: [analytical skills; information technology competence] Utilize a variety of tools: maps, statistics, field methods, geographic information systems; global positioning systems in geography; and anthropological field methods such as archaeological excavation and ethnographic interviewing as well as analysis of material culture or meanings and social relationships; analyze and use appropriate technologies where available.
3. Synthesize and Communicate: [critical thinking; literacy and oral communication] Demonstrate critical thinking skills to conduct research and solve problems, such as review literature, collect and analyze data using a variety of methods, and present the results.

Requirements for the Anthropology Minor

Code	Title	Credits
Required Course		
ANTH 100	Introduction to Anthropology	3
Required Overview Courses		
ANTH 200	Cultural Anthropology	3
ANTH 201	Introduction to Archaeology	3
ANTH 202	Human Evolution	3
Elective Courses		
A minimum of six credits must be upper-level (300 or 400 level)		
Select a minimum of nine credits of the following:		9
ANTH 227	North American Indians	
ANTH 228	Peoples of Southeast Asia	
ANTH 290	Special Topics in Anthropology	
ANTH 300	Topics in Data Collection and Analysis:	
ANTH 302	Anthropological Theory	
ANTH 310	Forensic Anthropology	
ANTH 312	Anthropology of Language	
ANTH 327	Archaeology of North America	
ANTH 357	Livelihoods, Exchange, and Globalization	
ANTH 362	Migration and Immigration	
ANTH 382	Environmental Anthropology	
ANTH 390	Special Topics in Anthropology	
ANTH 455	International Development and Change	
ANTH 490	Special Topics in Anthropology	
ANTH 491	Anthropology Fieldwork	
ANTH 494	Internship in Anthropology	
ANTH 499	Independent Study	
SOCA 300	Topics in Data Collection and Analysis	
Total Credits		**21**

University Requirements for Minors

Course work in the minor must be completed with the minimum GPA as specified by the department or program under which the minor falls, usually a 2.00 on a 4.00 scale, but higher in some programs. Transfer students must attain the minimum specified GPA on a combination of transfer credits accepted toward the minor and credits attempted at UW-Parkside.

At least half of the course work required for a minor must be completed at UW-Parkside.

Geographic Information Systems (GIS) Minor

Department website (https://www.uwp.edu/learn/programs/geographicinformationsystemminor.cfm)

College: College of Social Sciences & Professional Studies

This minor allows students to gain additional knowledge and expertise in geographic information systems. Geographic information systems (GIS) are used to store, display, and analyze spatially referenced databases to help solve problems and to assist in decision making. GIS is increasingly important in a variety of applications like transportation planning, business logistics, and environmental impact analysis. This minor can be earned by completing the following or their equivalents.

Requirements for the Geographic Information Systems (GIS) Minor

Code	Title	Credits
Introductory Course		
GEOG 100	Physical Geography and the Environment	3
or GEOG 105	Contemporary Human Geography	
Required Courses		
GEOG 350	Cartography and GIS	3
GEOG 460	Introduction to Geographic Information Systems Analysis	3
GEOG 465	Advanced Geographic Information Systems Applications	3
Elective Courses		
Select two of the following:		6
GEOG 355	Field Mapping	
GEOG 370	GIS and Planning	
GEOG 391	Special Topics in Geographic Information Systems	
GEOG 410	GIS and Communities	
GEOG 455	Remote Sensing	
GEOG 491	Special Topics in Geographic Information Systems	
GEOG 494	Internship in Geography [1]	
GEOG 499	Independent Study [1]	
ANTH 300	Topics in Data Collection and Analysis: [1]	
ANTH 491	Anthropology Fieldwork [1]	
Total Credits		**18**

[1] Must have substantial GIS content/project and be approved by the Department.

The GIS Minor requires a 2.0 GPA minimum in the courses for the minor. Students cannot earn both the GIS minor and the GIS certificate.

Geography majors can earn this minor, but when earning the GIS minor students cannot count two of any of these courses towards the major's required 12 credits of 300-level and above geography courses.

Code	Title	Credits
GEOG 355	Field Mapping	3
GEOG 370	GIS and Planning	3
GEOG 391	Special Topics in Geographic Information Systems	3
GEOG 410	GIS and Communities	3
GEOG 455	Remote Sensing	3
GEOG 460	Introduction to Geographic Information Systems Analysis	3
GEOG 465	Advanced Geographic Information Systems Applications	3
GEOG 491	Special Topics in Geographic Information Systems	3
GEOG 494	Internship in Geography [1]	1-12
GEOG 499	Independent Study [1]	1-3
ANTH 300	Topics in Data Collection and Analysis:	3
ANTH 491	Anthropology Fieldwork	1-10

[1] Must have substantial GIS content/project and be approved by the Department.

University Requirements for Minors

Course work in the minor must be completed with the minimum GPA as specified by the department or program under which the minor falls, usually a 2.00 on a 4.00 scale, but higher in some programs. Transfer students must attain the minimum specified GPA on a combination of transfer credits accepted toward the minor and credits attempted at UW-Parkside.

At least half of the course work required for a minor must be completed at UW-Parkside.

Geography Minor

Department website (https://www.uwp.edu/learn/programs/geographyminor.cfm)

College: College of Social Sciences & Professional Studies

A minor in Geography

Program Learning Outcomes

1. A basic understanding of the relationship between humans and the environment that geographers seek to understand using hands-on learning and a variety of specific tools.

Requirements for the Geography Minor

The following courses or their equivalents are required.

Code	Title	Credits
Required Course		
GEOG 100	Physical Geography and the Environment	3
Elective 100-level Courses		
Select one of the following:		3
GEOG 101	Geography of American Ethnicity and Race	
GEOG 105	Contemporary Human Geography	
GEOG 108	Culture and Environmental Sustainability	
GEOG 110	Introduction to Geography: World Regions	
Elective Upper-level Courses		
Select twelve credits of 300-level and above GEOG courses		12
Total Credits		**18**

University Requirements for Minors

Course work in the minor must be completed with the minimum GPA as specified by the department or program under which the minor falls, usually a 2.00 on a 4.00 scale, but higher in some programs. Transfer students must attain the minimum specified GPA on a combination of transfer credits accepted toward the minor and credits attempted at UW-Parkside.

At least half of the course work required for a minor must be completed at UW-Parkside.

Adaptations to Global Climate Change Certificate

Department website (https://www.uwp.edu/learn/programs/globalclimatechange.cfm)

College: College of Social Sciences & Professional Studies

The Adaptations to Global Climate Change Certificate gives students a pathway for thinking about their futures under global climate change and to counteract 'climate anxiety' through imagining different ways that humans have and could live together in society.

Program Learning Outcomes

1. Knowledge: Global Perspective and Individual Accountability: Ability to apply fundamental ANTH/GEOG knowledge in the context of understanding the science of climate change as well as policy issues. Students will get experience in analysis of interrelationships between the environment and human activities.
2. Analytical and Technical Skills: Utilizing a variety of methods to gather and analyze data. Here, students will learn to apply their knowledge of climate change and social processes to thinking through strategies for adaptation to transformations of the ecosystems of our planet.
3. Synthesize and Communicate: Demonstrate critical thinking skills to solve problems, largely through imagining a future based on what they have learned of the environmental, policy, political and social processes that have brought about climate change.

Requirements for the Adaptations for Global Climate Change Certificate

Code	Title	Credits
Required Foundation Courses		
GEOG 108	Culture and Environmental Sustainability	3
ENVS 109	Fundamentals of Climate Change	3
Electives		
Select 3 courses [1]		9
ANTH 382	Environmental Anthropology	
ENVS 336	Environmental Justice	
GEOG 306	Natural Disasters and Society	

GEOG 323	Climate Change	
POLS 312	Introduction to Global Warming Policy and Governance	
SMGT 305	Climate Change and Sustainability [2]	
Total Credits		**15**

[1] Other relevant experience in internship, independent study, or special topics courses can also be used to satisfy elective credits.
[2] SMGT courses require an extra fee.

University Requirements for Undergraduate Certificates

Course work in a certificate must be completed with a minimum 2.00 GPA. Departments or programs may require a higher GPA.

A minimum of 9 credits in a certificate program must be taken at UW-Parkside. Individual departments and programs may require more than 9 credits to be taken at UW-Parkside.

Applied Archaeology Certificate

Department website (https://www.uwp.edu/learn/programs/appliedarchaeologycertificate.cfm)

College: College of Social Sciences & Professional Studies

The Applied Archaeology Certificate provides an opportunity for students to gain knowledge of and experience in Cultural Resources Management (CRM), Public Archaeology, and Heritage Archaeology. Cultural resources management is focused on identifying, examining, preserving, and/or recovering archaeological sites, contexts, and remains. Public archaeology is concerned with educating, interacting and sharing with, and involving the public regarding archaeological research and preservation efforts. Heritage archaeology involves the engagement of stakeholder's in the preservation and presentation of an area's archaeological sites and landscapes. All three areas represent significant and growing areas of employment in archaeology today.

Program Learning Outcomes

1. Students will understand the regulations and policies of cultural resource management in the United States.
2. Students will recognize the possible impacts of archaeology in nearby communities within the contemporary global tourism economy.
3. Students will realize the potential of archaeology to engage the public in the human past in a variety of educational contexts.

Requirements for the Applied Archaeology Certificate

Code	Title	Credits
Required Courses		
ANTH 201	Introduction to Archaeology	3
GEOG 308	Conservation of Cultural and Natural Resources	3
Fieldwork Course		
ANTH 300	Topics in Data Collection and Analysis:	3
or ANTH 491	Anthropology Fieldwork	
Elective Courses		
Select two of the following:		6
ANTH 300	Topics in Data Collection and Analysis: [1]	
ANTH 310	Forensic Anthropology	
ANTH 320	Heritage and Tourism	
ANTH 327	Archaeology of North America	
Total Credits		**15**

[1] Not available for selection if used as Fieldwork Course.

University Requirements for Undergraduate Certificates

Course work in a certificate must be completed with a minimum 2.00 GPA. Departments or programs may require a higher GPA.

A minimum of 9 credits in a certificate program must be taken at UW-Parkside. Individual departments and programs may require more than 9 credits to be taken at UW-Parkside.

Forensic Anthropology Certificate

College: College of Social Sciences & Professional Studies

The certificate in Forensic Anthropology is designed to give students a foundational education in the methods employed in forensic anthropology, as well an introduction to many other forensic science disciplines. Through this coursework, students learn to gather and analyze scientific data, develop research questions and projects, and communicate scientific findings. Students are also exposed to the complex and ever- changing ethical and legal landscapes surrounding the forensic sciences.

Program Learning Outcomes

1. The ability to synthesize knowledge of human skeletal anatomy with evolutionary processes and genetics.
2. Critically analyze data and other information in light of scientific principles and methods.
3. The ability to communicate often complex scientific data, methods, and theories to lay persons in a variety of professional pursuits.
4. A thorough understanding of the legal precedents pertaining to physical evidence, the standards employed by forensic scientists, and expert witness testimony.

Code	Title	Credits
Required Courses		
ANTH 202	Human Evolution	3
ANTH 310	Forensic Anthropology	3
ANTH 491	Anthropology Fieldwork	3
or CRMJ 357	Forensic Recovery Methods	
CRMJ 355	Forensic Evidence	3
Electives		**3**
ANTH 402	Advanced Human Evolution	
ANTH 405	Forensic and Mortuary Archaeology	
CRMJ 401	Repatriation: The Return of Human Remains	
Total Credits		**15**

University Requirements for Undergraduate Certificates

Course work in a certificate must be completed with a minimum 2.00 GPA. Departments or programs may require a higher GPA.

A minimum of 9 credits in a certificate program must be taken at UW-Parkside. Individual departments and programs may require more than 9 credits to be taken at UW-Parkside.

Geographic Information Systems Certificate

Department website (https://www.uwp.edu/learn/programs/giscert.cfm)

College: College of Social Sciences & Professional Studies

Geographic information systems (GIS) are used to store, display, and analyze spatially referenced databases to help solve problems and to assist in decision making. GIS is increasingly important in a variety of applications like transportation planning, business logistics, and environmental impact analysis. This certificate can be earned by completing the following or their equivalents.

Requirements for the Geographic Information Systems Certificate

Code	Title	Credits
Required Courses		
GEOG 350	Cartography and GIS	3
GEOG 460	Introduction to Geographic Information Systems Analysis	3
GEOG 465	Advanced Geographic Information Systems Applications	3
Elective Course		
Select one of the following:		3
GEOG 355	Field Mapping	
GEOG 370	GIS and Planning	
GEOG 391	Special Topics in Geographic Information Systems	
GEOG 410	GIS and Communities	
GEOG 455	Remote Sensing	
GEOG 491	Special Topics in Geographic Information Systems	
ANTH 494	Internship in Anthropology	
ANTH 499	Independent Study	
ANTH 300	Topics in Data Collection and Analysis: [1]	
ANTH 491	Anthropology Fieldwork [1]	
Total Credits		**12**

[1] Must have substantial GIS content/project and be approved by the Department.

The GIS certificate requires a 2.0 GPA minimum in the courses for the certificate.

Students cannot earn both the GIS minor and certificate.

University Requirements for Undergraduate Certificates

Course work in a certificate must be completed with a minimum 2.00 GPA. Departments or programs may require a higher GPA.

A minimum of 9 credits in a certificate program must be taken at UW-Parkside. Individual departments and programs may require more than 9 credits to be taken at UW-Parkside.

Museum Studies Certificate

Department website (https://www.uwp.edu/learn/programs/museumstudies.cfm)

College: College of Social Sciences & Professional Studies

Museum studies is an interdisciplinary certificate program designed to provide students with an introduction to the diverse aspects of museum work, information concerning opportunities for employment in museums and related institutions (such as archives and public history parks), and hands-on experience, including formal internships in local museums. The certificate program provides a solid background for interested students in such fields as anthropology, art, art history, history, and other fields to pursue graduate degrees in museum studies and employment in museums.

Requirements for the Museum Studies Certificate

Code	Title	Credits
Content Courses		
Select at least three credits from each of the following three disciplines:		9
ANTH 200	Cultural Anthropology	
ANTH 201	Introduction to Archaeology	
ANTH 202	Human Evolution	
ANTH/SOCA 227	North American Indians	
ANTH 228	Peoples of Southeast Asia	
ANTH 327	Archaeology of North America	
ART 100	Foundations of Art and Visual Culture	
ART 125	Survey of World Art	
HIST 102	The United States: Reconstruction to Recent Times	
HIST 335	Native American History	
HIST 337	African-American History	
HIST 342	The American Civil War	
HIST 345	America in Power and Peril 1917-1953	
HIST 346	Recent America: 1953-Present	
Methods Course		
MSST 300	Museum Studies	2
Museum Management Course		
MSST 305	Introduction to Museum Management	2
Internship		
Select one of the following:		3
ANTH 491	Anthropology Fieldwork (focusing on museum internship)	

ANTH 494	Internship in Anthropology (focusing on museum internship)
ART 494	Art Internship (focusing on museum internship)
HIST 494	Internship in History (focusing on museum internship)
Total Credits	**16**

University Requirements for Undergraduate Certificates

Course work in a certificate must be completed with a minimum 2.00 GPA. Departments or programs may require a higher GPA.

A minimum of 9 credits in a certificate program must be taken at UW-Parkside. Individual departments and programs may require more than 9 credits to be taken at UW-Parkside.

Geosciences

Department website (https://www.uwp.edu/learn/departments/geosciences/)

College: College of Natural & Health Sciences

Student Organizations/Clubs:

Geosciences Club; Sigma Gamma Epsilon.

Career Possibilities:

Students in the Geosciences Department select between two concentrations: environmental geosciences or earth science, depending on their career goals.

The environmental geosciences concentration will prepare students for employment in private sector and various governmental agencies. Students completing this concentration will also have appropriate course work to be eligible for the certification exam as a professional geologist and/or professional hydrogeologist in Wisconsin. The expertise in hydrogeology and contaminant fate and transport afforded by this concentration can lead to employment as an environmental geoscientist in a variety of governmental and private organizations. Students interested in taking certification exams as professional soil scientists in Wisconsin may choose electives in soil science. Graduates with this background may work with governmental and private agencies in such applied fields as water resource management, soil conservation, and land-use planning.

The earth science concentration is extraordinarily flexible, as 15 credits of support courses are built into the major. These courses will be selected by the students and their advisors in order to develop a focal point related to their geosciences curriculum. The 15 credits are part of the major; therefore, a student electing to complete a minor cannot use these credits for that minor. Typical uses for the support courses include preparation for teacher licensure, law school, M.B.A. or M.P.A. programs.

Department Overview

The department's primary activities center around providing UW-Parkside students with a high-quality major program that will enable them to satisfy their specialized employment objectives. Toward this end, the Geosciences Department provides a core curriculum plus concentrations in environmental geosciences and earth science. Students electing the first concentration may choose to fulfill curricular requirements preparatory to professional certification by the state of Wisconsin as a geologist, hydrogeologist, or soil scientist. The earth science concentration provides a broad and flexible foundation for students with wide- ranging interests in the sciences, education, and the liberal arts. Furthermore, upper-level courses are intensively hands-on, enabling students to generate and analyze real-time data while gaining experience with innovative methods and instrumentation used by environmental professionals. The department has installed and maintains a network of ground water monitoring wells on campus and at other university properties in the community. These sites will serve students as hands-on learning sites, through which they can provide environmental quality assessment data that will assist surrounding communities in recognizing and interpreting long-term effects of land use changes.

It is the purpose of the Geosciences Department to become a key resource for environmental earth-system science at UW-Parkside, and in Kenosha and Racine counties. To this end, the department fosters faculty, student, and staff involvement and investment in local and regional environmental issues. Geosciences faculty are also taking leadership roles in the establishment of the Root River Environmental Education Community Center (REC) in Racine, and the Center for Environmental Education and Research (CEDAR) in Kenosha.

The Geosciences Department encourages and supports research and publication by students in cooperation with faculty. The department also supports a program of student research projects on local environmental problems as part of the introductory and advanced courses. The department encourages and aids advanced students to attend professional society meetings at national, regional, and local levels. Departmental faculty members are actively engaged in research and continue to seek and obtain research support from appropriate federal, state, University of Wisconsin System, and campus sources.

Preparation for Graduate School

The environmental geosciences curriculum provides a strong background in mathematics and the physical sciences that prepares students for graduate work in the natural and environmental sciences. The earth science concentration— with an appropriate support course plan—is good preparation for advanced degree programs in law, public administration, education, and library science. The Geosciences Department has established an articulation agreement with the School of Freshwater Sciences, University of Wisconsin – Milwaukee for a 3+2 program to earn a B.S. from UW-Parkside and an M.S. or M.A. from School of Freshwater Sciences, UW-Milwaukee.

Program Level Outcomes

1. To prepare students for professional certification and employment in areas of environmental and earth sciences. The program satisfies requirements for Wisconsin Professional Geologist and Professional Hydrogeologist.
2. To promote scientific literacy on the campus and in the community, particularly with respect to principles and issues involving environmental awareness, quality, and protection.
3. To contribute fundamental scientific research that enhances environmental quality and quality-of-life for members of the regional, state, local and campus communities.
4. Contribute to the diversity of the university community by working toward the goals of Plan 2017-2020.

Programs Offered

- Geosciences Major (BS) (p. 175)
- Geosciences Minor (p. 177)

Geosciences Major Concentrations

- Environmental Geosciences
- Earth Science

Courses in Geosciences

GEOS 100 | Earth in Perspective | 3 cr

Surveys the physical environment, including Earth's place in space, atmospheric processes, the oceans, and the solid earth; humanity's place in the system. Three-hour lecture.
Prerequisites: None.
Offered: Fall, Summer.
Meets: Natural Science: GEOS, Natural Science: GEOS, Natural Science: GEOS, Natural Science: GEOS, Natural Science: GEOS

GEOS 101 | Introductory Geology | 3 cr

Explores the origin, age, and structure of the Earth; mountain building, volcanism, and continental drift; earth materials; rocks, minerals, and mineral and fossil fuel resources. Three-hour lecture.
Prerequisites: None.
Offered: Fall.
Meets: Natural Science: GEOS, Natural Science: GEOS, Natural Science: GEOS, Natural Science: GEOS, Natural Science: GEOS

GEOS 102 | Origin and History of the Earth | 3 cr

Investigates the origin of the solar system and Earth; age of the Earth; origin of the oceans, atmosphere and life; geologic and life history. May require field trips.
Prerequisites: A 3 credit college-level geosciences course.
Offered: Spring.

GEOS 104 | Introductory Geology Laboratory | 4 cr

Explores rock, mineral, and fossil identification; topographic and geologic map interpretation; aerial photographs; and hydrology, soils, and environmental geology. Six-hour lab. Requires fees.
Prerequisites: GEOS 101 or equivalent.
Offered: Spring.

GEOS 105 | Oceanography | 3 cr

Explains the origin of ocean basins; nature of seawater; ocean circulation; waves and tides; life in the sea and marine resources. Intended for non-majors.
Prerequisites: None.
Offered: Summer, Winterim.
Meets: Natural Science: GEOS, Natural Science: GEOS, Natural Science: GEOS, Natural Science: GEOS, Natural Science: GEOS

GEOS 106 | Great Lakes Water Resources | 3 cr

Physical and geologic history and description of Great Lakes region. Emphasis on hydrologic cycle, economic resources of the Great Lakes, pollution and other environmental issues. Three-hour lecture.
Prerequisites: None.
Offered: Spring.
Meets: Natural Science: GEOS, Natural Science: GEOS, Natural Science: GEOS, Natural Science: GEOS, Natural Science: GEOS

GEOS 107 | Geology of National Parklands | 3 cr

Introduces fundamentals of geology as they relate to national parklands, including geological setting, geological features, and significance of designation.
Prerequisites: None.
Offered: Fall, Spring, Summer, Winterim.
Meets: Natural Science: GEOS, Natural Science: GEOS, Natural Science: GEOS, Natural Science: GEOS, Natural Science: GEOS

GEOS 200 | Minerals and Rocks | 5 cr

Explores internal order of crystals; physical, chemical, and optical properties of minerals; mineral identification; mineral associations and the classification of igneous, metamorphic, and sedimentary rocks; and ore deposits. Requires field trips and lab fee. Three-hour lecture, three-hour lab.
Prerequisites: GEOS 104.
Offered: Fall.

GEOS 301 | Geomorphology | 5 cr

Covers analysis and description of landforms. Emphasizes genesis, surficial processes, and relation to geologic structure. Includes regional treatment of landscapes. Requires field trips. Three-hour lecture; three-hour lab. Community-based learning designation.
Prerequisites: GEOS 102, GEOS 200; or consent of instructor.
Offered: Fall (even years).
Meets: Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning

GEOS 309 | Paleontology | 3 cr

Applies principles, practices, and procedures to important fossil invertebrate groups; generalized discussion of plants and vertebrates; elements of biostratigraphy; paleoenvironmental interpretations. Field trips. Two-hour lecture; two-hour lab. Cross-listed with: BIOS 329.
Prerequisites: GEOS 102 or BIOS 102.
Offered: Spring.

GEOS 320 | Soils, Weathering and Surficial Processes | 5 cr

Describes soils as natural entities in a process-based context. Covers methods and terminology of soil description and classification. Digs into environmental capacity of soils on a quantitative basis. Three-hour lecture; three-hour lab.
Prerequisites: GEOS 104; CHEM 101, CHEM 103.
Offered: Occasionally.

GEOS 330 | Environmental Geology | 5 cr

Addresses application of basic geologic concepts to environmental problems. Emphasizes geologic hazards, waste disposal, urban planning, resource policy issues, and environmental trends and programs. Three-hour lecture; three-hour lab.
Prerequisites: GEOS 104 or consent of instructor.
Offered: Spring.

GEOS 331 | Introduction to Geochemistry | 3 cr

Investigates chemical principles and their application to various geologic environments, chemical weathering, geochemical prospecting, phase equilibria, and geochronology. Requires field trip.
Prerequisites: CHEM 102, CHEM 104.
Offered: Spring (odd years).

GEOS 345 | Geophysics | 3 cr
Surface and subsurface geophysics; principles and procedures of magnetics, gravity, seismology, electromagnetics, ground penetrating radar; applications in hydrogeology, petroleum and mineral exploration, environmental and water resource investigations. Field trips. Three-hour lecture.
Prerequisites: GEOS 102, MATH 114 or consent of instructor.
Offered: Spring (odd years).

GEOS 355 | Stratigraphy and Sedimentation | 5 cr
Explores the sedimentary rock record, correlation, nomenclature, paleotectonics, subsurface techniques, sedimentary processes and environments, and recent sediments. Three-hour lecture; three-hour lab.
Prerequisites: GEOS 104, GEOS 200 or consent of instructor.
Offered: Spring.

GEOS 361 | Hydrogeology | 3 cr
Examines surface water hydrogeology; runoff and stream flow; groundwater hydrogeology: distribution of ground water, aquifer properties, local and regional ground water flow, geology of ground water occurrence; aqueous chemistry, and water quality. Three-hour lecture.
Prerequisites: GEOS 200; MATH 114 or MATH 112 and MATH 113; or consent of instructor.
Offered: Spring (even years).

GEOS 420 | Glacial Geology | 5 cr
Explores regimen and flow of glaciers, glacial erosion and deposition; glacial landforms; Pleistocene history in glaciated and non-glaciated regions; and stratigraphy and chronology of Pleistocene deposits in the Midwest and Great Lakes. Requires field trips. Three-hour lecture; three-hour lab.
Prerequisites: GEOS 104, GEOS 200; or consent of instructor.
Offered: Spring (even years).

GEOS 431 | Aqueous and Contaminant Geochemistry | 5 cr
Examines solution chemistry, aqueous chemical speciation, organic chemistry, contaminant-sediment interaction, and contaminant fate and transport. Requires field trips. Three-hour lecture; three-hour lab.
Prerequisites: GEOS 331.
Offered: Spring (odd years).

GEOS 445 | Environmental Sampling, Monitoring, and Assessment | 5 cr
Covers EPA-referenced field and laboratory methods for evaluating contaminant levels in terrestrial and groundwater systems. Provides opportunity to practice sampling and monitoring techniques and gain experience with chromatographic and spectroscopic techniques. Three-hour lecture; three-hour lab. Requires lab fee.
Prerequisites: GEOS 330.
Offered: Fall.

GEOS 465 | Applied Hydrogeology | 4 cr
Mass transport in vadose and saturated zones; origin and behavior of inorganic and organic contaminants; investigative techniques; groundwater models; site remediation; groundwater resource development and management; water law. Three-hour lecture, three-hour lab. Field trips. Lab fee.
Prerequisites: GEOS 361.
Offered: Fall (even years).

GEOS 470 | Remediation Science and Technology | 3 cr
Investigates methods and techniques for reducing, removing or immobilizing metals and radionuclides. Three-hour lecture.
Prerequisites: GEOS 331, 361.
Offered: Spring (even years).

GEOS 490 | Special Topics in Geosciences | 1-4 cr
Intensive treatment of specialized areas in geology.
Prerequisites: Consent of instructor.
Offered: Occasionally.

GEOS 495 | Senior Seminar | 1 cr
Individual student preparations and detailed oral and written presentations, in professional-style format, on knowledge of specialized topics acquired through library, laboratory, and/or field research.
Prerequisites: GEOS 355 and senior standing.
Offered: Spring.

GEOS 496 | Geoscience Applications | 3 cr
Course in which students apply their knowledge in service to the community. Project may involve teamwork on environmental assessment, land-use planning, etc., or individual internships with corporate or governmental agencies. Culminates in report/recommendation based on investigations.
Prerequisites: GEOS 355 and senior standing; or consent of instructor.
Offered: Fall.

GEOS 497 | Senior Thesis | 1-2 cr
Familiarization with the processes of research and scientific writing based upon laboratory, field, and literature study; oral defense of the thesis. May repeat for up to 4 credits.
Prerequisites: Senior standing and consent of instructor.
Offered: Fall, Spring.

GEOS 499 | Independent Study | 1-3 cr
Allows students to pursue independent field, laboratory, or library research interest under supervision of faculty members. May be repeated with different topic for a maximum of 6 credits.
Prerequisites: Consent of instructor and department chair.
Offered: Fall, Spring.

Geosciences Major (BS)

Department website (https://www.uwp.edu/learn/programs/geosciencesmajor.cfm)

College: College of Natural & Health Sciences

1. To prepare students for professional certification and employment in areas of environmental and earth sciences.
2. To promote scientific literacy on the campus and in the community, particularly with respect to principles and issues involving environmental awareness, quality, and protection.
3. To contribute fundamental scientific research that enhances environmental quality and quality-of-life for members of the regional, state, local and campus communities

Requirements for the Geosciences Major

The geosciences major requires a selection of core courses and courses in a concentration. Students select one of two concentrations: environmental geosciences or earth science.

Code	Title	Credits
College of Natural and Health Sciences requirement		
New entering students, and transfer students with less than 30 college credits, choosing a major in the College of Natural and Health Sciences are required to take this course.		
UWP 101	First Year Seminar: Natural and Health Sciences	1
Required Core Courses		

GEOS 102	Origin and History of the Earth	3
GEOS 104	Introductory Geology Laboratory	2
GEOS 200	Minerals and Rocks	4
GEOS 330	Environmental Geology	4
GEOS 355	Stratigraphy and Sedimentation	4
GEOS 445	Environmental Sampling, Monitoring, and Assessment	4
GEOS 495	Senior Seminar	1
GEOS 496	Geoscience Applications	3
Required Core Courses Subtotal		26
Concentration Courses		
Choose one concentration		43-50
Concentration Courses Subtotal		43-50
Total Credits		**69-76**

Concentration Options

Environmental Geosciences Concentration

Code	Title	Credits
GEOS 101	Introductory Geology	3
GEOS 106	Great Lakes Water Resources	3
or ENVS 109	Fundamentals of Climate Change	
GEOS 331	Introduction to Geochemistry	3
GEOS 345	Geophysics	3
GEOS 361	Hydrogeology	3
GEOS 431	Aqueous and Contaminant Geochemistry	4
GEOS 470	Remediation Science and Technology	3
GEOS 465	Applied Hydrogeology	4
MATH 112 & MATH 113	College Algebra II and Trigonometry	5-6
or MATH 114	College Algebra II/Trigonometry	
MATH 221	Calculus and Analytic Geometry I	5
CHEM 101	General Chemistry I	4
CHEM 102	General Chemistry II	4
CHEM 103	General Chemistry Lab I	1
CHEM 104	General Chemistry Lab II	1
PHYS 101	Principles of Physics	4
Total Credits		**50-51**

Earth Science Concentration

Code	Title	Credits
Required Courses		
Select one of the following:		3
GEOS 100	Earth in Perspective	
GEOS 101	Introductory Geology	
ENVS 101	Introduction to Environmental Studies	
GEOS 106	Great Lakes Water Resources	3
ENVS 109	Fundamentals of Climate Change	3
GEOS 301	Geomorphology	4
GEOS 320	Soils, Weathering and Surficial Processes	4
GEOS 420	Glacial Geology	4
ENVS 335	Energy	4
CHEM 100	The World of Chemistry	3
or ENVS 102	Chemistry of the Environment	
MATH 102	Quantitative Reasoning	4
or MATH 103	Elementary Statistics	
Required Courses Subtotal		32
Elective Courses		
Select twelve credits of elective courses [1]		12
Elective Courses Subtotal		12
Total Credits		**44**

[1] Supporting courses must be 300 and above and at least six credits must be geoscience credits.

General University Degree Requirements (Bachelor's Degree)

In addition to individual program requirements, students must also fulfill the following requirements:

Requirement	Credits
Skills	7-8
General Education	36
Foreign Language**	6-8
Ethnic Diversity	3
Total	52-55

** Transfer students in sustainable management, and health information management and technology collaborative, online degree-completion programs, the business management online degree-completion program, and the flexible option degree-completion program will be exempt from the university's foreign language requirement. See appropriate academic section for further information.

Skills Requirement (p. 13)

Code	Title	Credits
Reading and Writing		
ENGL 101	Composition and Reading	3
Computational Skills		
Select one of the following:		4-5
MATH 102	Quantitative Reasoning	
MATH 103	Elementary Statistics	
MATH 104	College Mathematics with Applications	
MATH 111	College Algebra I	
Total Credits		**7-8**

General Education (p. 13)

- General Education Course List (p. 157)

Foreign Language (p. 13)

Ethnic Diversity (p. 13)

Degree Requirements

Requirement	Credits
Minimum Total Credits	120
Upper Level Credits (300 level or above)	36
Residency	30

Cumulative Degree GPA: 2.0 minimum

Geosciences Minor

Department website (https://www.uwp.edu/learn/programs/geosciencesminor.cfm)

College: College of Natural & Health Sciences

The geosciences minor offers students who are majoring in other academic disciplines, either in science or non-science areas, the opportunity to acquire an appreciation and basic knowledge of geosciences. This may enhance and add flexibility regarding career opportunities.

Requirements for the Geosciences Minor

Code	Title	Credits
Required Courses		
GEOS 101	Introductory Geology (or acceptable substitute)	3
GEOS 102	Origin and History of the Earth	3
GEOS 104	Introductory Geology Laboratory	2
GEOS 200	Minerals and Rocks	4
Elective Courses		
Select six additional geosciences credits; three of the six credits must be upper level (300/400).		6
Total Credits		**18**

University Requirements for Minors

Course work in the minor must be completed with the minimum GPA as specified by the department or program under which the minor falls, usually a 2.00 on a 4.00 scale, but higher in some programs. Transfer students must attain the minimum specified GPA on a combination of transfer credits accepted toward the minor and credits attempted at UW-Parkside.

At least half of the course work required for a minor must be completed at UW-Parkside.

Health Sciences

Department website (https://www.uwp.edu/learn/departments/healthsciences/)

College: College of Natural & Health Sciences

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Programs Offered

- Applied Health Sciences Major (BS) (p. 183)
- Health Information Management and Technology Major (BS) (p. 187)
- Health Information Management Certificate (p. 188)

Applied Health Sciences Major Concentrations

- Medical Laboratory Sciences
- Pre-Athletic Training
- Pre-Chiropractic
- Pre-General Health
- Pre-Occupational Therapy
- Pre-Physician Assistant
- Pre-Physical Therapy
- Radiologic Science: Available beginning Fall 2025

Health Information Management and Technology Major Concentrations

- Healthcare Management
- Healthcare Technology

Courses in Applied Health Sciences (AHS)

AHS 101 | Introduction to Applied Health Sciences | 3 cr

Provides an overview of the Applied Health Sciences major. Focuses on specific information about health career options. Covers the value and importance of service, current topics in health care, ethics in the health sciences, cultural sensitivity within health sciences. Additionally, students will gain experience in professional writing, presentation techniques, portfolio development and service learning.
Prerequisites: None.
Offered: Fall, Spring.

AHS 300 | Introduction to Medical Laboratory Sciences | 3 cr

Introduces the practice of medical laboratory science. Discusses professionalism, ethics, basic laboratory concepts and techniques. Covers microscopy and phlebotomy techniques in the teaching laboratory. Lecture/lab.
Prerequisites: AHS 101; BIOS 101 and 102, or BIOS 105 and 106, or BIOS 300 and 341; BIOS 210, 260, CHEM 115; MATH 114, or MATH 112 or 113.
Offered: Fall, Spring.

AHS 302 | Introduction to Radiology | 2 cr

Surveys the field of Radiologic Technology, the Radiology department, the School of Radiology, and other allied healthcare professions. Explores the academic and administrative structure, key department and hospital personnel, and the profession and professional societies associated with the field. Introduces the Medicolegal aspects of the profession. Presents The Code of Ethics, as proposed by the American Society of Radiologic Technologists and American Registry of Radiologic Technologists.
Prerequisites: AHS 101; BIOS 101 and 102, or BIOS 105 and 106, or BIOS 300 and 341; BIOS 210; CHEM 101 and 103 or CHEM 115; MATH 114 or MATH 112 and 113.
Offered: Fall, Spring.

AHS 306 | Imaging Procedures I | 3 cr

Introduces medical terminology, patient care, and the radiographic imaging equipment used for the abdomen and chest. Covers basic concepts of patient care using a holistic framework that considers the biophysical, emotional, and spiritual needs of patient populations.
Prerequisites: AHS 101, AHS 302; BIOS 101 and 102, or BIOS 105 and 106, or BIOS 300 and 341; BIOS 210; CHEM 101 and 103 or CHEM 115; MATH 114 or MATH 112 and 113.
Offered: Fall, Spring.

AHS 307 | Pharmacology and Ethics | 3 cr
Surveys drug administration as it applies to the medical imaging profession. Explores pharmacologic terminology, pharmacology of contrast agents, routes of administration, venipuncture and emergency medications specific to the medical imaging profession. Presents ethical and legal terms and issues that imaging professionals will face.
Prerequisites: AHS 101, AHS 302; BIOS 101 and 102, or BIOS 105 and 106, or BIOS 300 and 341; BIOS 210; CHEM 101 and 103 or CHEM 115; MATH 114 or MATH 112 and 113.
Offered: Fall, Spring.

AHS 308 | Imaging Procedures II | 3 cr
Explores the fundamental knowledge, purpose, and functions of upper and lower extremities, shoulder girdle, and pelvic girdle. Covers procedures that require the use of contrast media such as the urinary and digestive systems and portable procedures. Emphasizes proper positioning of the patient, demonstrated structures and fractures, central ray, technical factors, and image receptor size.
Prerequisites: AHS 101, AHS 302, AHS 306; BIOS 101 and 102, or BIOS 105 and 106, or BIOS 300 and 341; BIOS 210; CHEM 101 and 103 or CHEM 115; MATH 114 or MATH 112 and 113.
Offered: Fall, Spring, Summer.

AHS 309 | Imaging Procedures III | 3 cr
Examines techniques for radiography of the skull and the bony thorax. Addresses contrast studies, minor special procedures, trauma and surgical procedures that require the use of contrast media, sterile technique, and informed consent.
Prerequisites: AHS 101, AHS 302, AHS 306, AHS 308; BIOS 101 and 102, or BIOS 105 and 106, or BIOS 300 and 341; BIOS 210; CHEM 101 and 103 or CHEM 115; MATH 114 or MATH 112 and 113.
Offered: Fall, Spring.

AHS 310 | Clinical Microbiology I | 2 cr
Explores the microorganisms associated with human infectious processes, including the characteristics, isolation, identification, antimicrobial techniques and clinical infections associated with pathogenic microorganisms. Lecture/lab.
Prerequisites: AHS 101; BIOS 101 and 102, or BIOS 105 and 106, or BIOS 300 and 341; BIOS 210, 260, CHEM 115; MATH 114, or MATH 112 and 113.
Offered: Spring.

AHS 311 | Clinical Microbiology II | 3 cr
Focuses on advanced topics in microbiology, including antibiotics and antimicrobial susceptibility testing, mycobacteriology, anaerobic bacteriology, fastidious microorganisms and the clinical aspects of microbiology. Three-hour lecture/one-hour lab.
Prerequisites: AHS 310.
Offered: Spring.

AHS 320 | Clinical Immunology I | 3 cr
Explores clinical immunology concentrating on immune system functions, relationships and responses to infection and disease, including vaccine strategies and basic immunology assessment techniques. 3 hour Lecture/1 hour Lab.
Prerequisites: AHS 300, AHS 310.
Offered: Fall.

AHS 321 | Clinical Immunology II | 2 cr
Delves into an advanced study of clinical immunology concentrating on diseases of the immune system such as immunodeficiencies, infectious diseases and autoimmune conditions. Examines immunodiagnostic methods and diagnostic strategies, includes donor selection, recognition of transplant related conditions.
Prerequisites: AHS 401, AHS 405, AHS 406.
Offered: Fall.

AHS 335 | Clinical Chemistry I | 3 cr
Explores biological samples, analytes, and assays pertinent to the clinical laboratory. Includes electrolyte, carbohydrate, protein, lipid, vitamin, and mineral analytes and the techniques utilized to detect and quantify such materials. Cross-listed with: CHEM 335.
Prerequisites: AHS 300, CHEM 215.
Offered: Fall.

AHS 336 | Clinical Chemistry II | 3 cr
Investigates metabolism and diagnostic procedures for analysis of metabolism and human disease. Analyzes data for indicators of common pathophysiology and human disease markers. Lecture. Cross-listed with: CHEM 336.
Prerequisites: AHS 335 or CHEM 335.
Offered: Fall.

AHS 340 | Hematology and Hemostasis I | 3 cr
Addresses theory of hematology and hemostasis diagnostic procedures, interpretation, and correlation of laboratory findings with disease states. Includes hematopoiesis, cell morphology, anemias, hemoglobinopathies, myelodysplastic syndromes, coagulation and platelet disorders, and bleeding abnormalities. Lecture/Lab.
Prerequisites: AHS 300, CHEM 215; BIOS 101 and 102, or BIOS 105 and 106, or BIOS 300 and 341; and BIOS 260.
Offered: Fall, Spring, Summer.

AHS 341 | Hematology and Hemostasis II | 2 cr
Covers theory of hematology and hemostasis diagnostic procedures, interpretation, and correlation of laboratory findings with disease states. Includes lymphoprliferative and myeloproliferative disorders, immunoproliferative disorders, malignant lymphomas.
Prerequisites: AHS 340.
Offered: Fall, Spring, Summer.

AHS 350 | Diagnostic Molecular Biology | 3 cr
Examines medical genetics including the structure, function, and synthesis of DNA, RNA, and involved proteins; the mechanism of inheritance; and medical genetics. Covers molecular biology techniques and their applications is included as well as the laboratory diagnosis of disease, including ethics and emerging technologies.
Prerequisites: AHS 310.
Offered: Fall.

AHS 351 | Radiation Protection | 2 cr
Introduces principles of radiation protection including the responsibilities of the radiographer for themselves, patients, personnel, and the public. Reviews dose limits for radiology personnel, hospital workers, and the public.
Prerequisites: AHS 101, AHS 302, AHS 306, AHS 308; BIOS 101 and 102, or BIOS 105 and 106, or BIOS 300 and 341; BIOS 210; CHEM 101 and 103 or CHEM 115; MATH 114 or MATH 112 and 113.
Offered: Fall, Spring.

AHS 353 | Principles of Imaging I | 3 cr
Introduces radiographic image production and processing. Covers digital imaging, processing, x-ray interactions with matter, density, contrast, recorded detail, and distortion.
Prerequisites: AHS 101, AHS 302, AHS 306, AHS 308; BIOS 101 and 102, or BIOS 105 and 106, or BIOS 300 and 341; BIOS 210; CHEM 101 and 103 or CHEM 115; MATH 114 or MATH 112 and 113.
Offered: Fall, Spring.

AHS 355 | Clinical Education I | 3 cr
Provides opportunity for rotation through patient transport, general radiography, fluoroscopy, outpatient clinic, orthopedic clinic, and the emergency department. Includes development of skills to increase, improve, and adapt positioning and patient care as well as managing the flow of multiple departments and interdepartmental cooperation.
Prerequisites: AHS 101, AHS 302, AHS 306, AHS 308; BIOS 101 and 102, or BIOS 105 and 106, or BIOS 300 and 341; BIOS 210; CHEM 101 and 103 or CHEM 115; MATH 114 or MATH 112 and 113.
Offered: Fall, Spring.

AHS 360 | Radiation Biology | 2 cr
Explores the interaction of radiation with living systems and factors affecting biological response, including acute and chronic effects of radiation. Covers radiation's effects on molecules, cells, tissues and the body as a whole.
Prerequisites: AHS 101, AHS 302; BIOS 101 and 102, or BIOS 105 and 106, or BIOS 300 and 341; BIOS 210; CHEM 101 and 103 or CHEM 115; MATH 114 or MATH 112 and 113.
Offered: Fall, Spring.

AHS 362 | Principles of Imaging II | 3 cr
Covers basic computer history, digital equipment, image production and quality measures for digital imaging. Discusses adaptation techniques for changes in distance, grids, kVp, and cassette size.
Prerequisites: AHS 101, AHS 302, AHS 353; BIOS 101 and 102, or BIOS 105 and 106, or BIOS 300 and 341; BIOS 210; CHEM 101 and 103 or CHEM 115; MATH 114 or MATH 112 and 113.
Offered: Fall, Spring.

AHS 364 | Clinical Education II | 3 cr
Introduces supplemental components of the radiology department and provides opportunities to assist and perform examinations taught in Imaging Procedures I, II, and III in the radiology department, emergency department, and outpatient clinics.
Prerequisites: AHS 101, AHS 302, AHS 355; BIOS 101 and 102, or BIOS 105 and 106, or BIOS 300 and 341; BIOS 210; CHEM 101 and 103 or CHEM 115; MATH 114 or MATH 112 and 113.
Offered: Fall, Spring.

AHS 400 | Immunohematology I | 2 cr
Provides introduction to the different human blood groups, blood components, the antibody screening and identification process, transfusion protocols, blood donor screening, and regulatory concerns of modern blood banking.
Prerequisites: AHS 310, AHS 320, AHS 340; AHS 335 or CHEM 335.
Offered: Fall, Spring, Summer.

AHS 401 | Immunohematology II | 2 cr
Provides initial laboratory experience in blood banking practices including blood typing, antibody screening, antibody identification, cross matching, and confirmatory testing. Lab.
Prerequisites: AHS 400.
Offered: Summer.

AHS 405 | Cellular Morphology Laboratory | 2 cr
Discusses blood and blood cells in abnormal or malignant states, including red blood cell and white blood cell disorders. Examines specialized hematology procedures in the teaching laboratory, emphasizing the microscopic evaluation of abnormal blood cell morphology and evaluation of complete blood count data along with cytochemical and molecular testing.
Prerequisites: AHS 400.
Offered: Summer.

AHS 406 | Clinical Fluid Analysis | 2 cr
Introduces urinalysis and reviews of the anatomy and physiology of kidney, role of the kidney in disease; physical, chemical and microscopic properties of urine; and clinical correlation of lab results. Covers the physiology, specimen collection, processing and analysis of other body fluids. Lecture/Lab.
Prerequisites: AHS 400.
Offered: Summer.

AHS 410 | Clinical Mycology, Parasitology, and Virology | 3 cr
Investigates clinically relevant fungal, parasitic, and viral pathogens emphasizing diagnostic forms. Focuses on identification of the microorganisms, interpretation of findings and clinical correlation. Lecture/Lab.
Prerequisites: AHS 321.
Offered: Spring.

AHS 420 | Laboratory Operations | 2 cr
Addresses basic principles of clinical laboratory management, including theory and practice. Includes personnel and financial management, regulation and accreditation, information management, quality assurance, quality control, clinical and continuing education. Two hour lecture.
Prerequisites: AHS 401, AHS 405, AHS 406.
Offered: Fall.

AHS 450 | Clinical Correlations and Board of Review Test Preparation | 2 cr
Employs case studies to learn to evaluate patient histories and correlate laboratory test results to specific disease diagnosis. Prepares students to take the ASCLS MLS certification exam. Two hour lecture.
Prerequisites: AHS 420.
Offered: Spring.

AHS 470 | Radiographic Physics I | 2 cr
Explores the interactions involved in x-ray production, the equipment used to create and control the production, and fundamentals of photon interactions with matter. Covers how x-rays are produced in the tube and how they interact with the body and the basic design and layout of imaging equipment.
Prerequisites: AHS 101, AHS 302; BIOS 101 and 102, or BIOS 105 and 106, or BIOS 300 and 341; BIOS 210; CHEM 101 and 103 or CHEM 115; MATH 114 or MATH 112 and 113.
Offered: Fall, Spring.

AHS 473 | Imaging Procedures IV | 2 cr
Introduces imaging modalities such as MRI, CT, Mammography, Interventional Radiology, Cardiac Imaging, Radiation Therapy, Ultrasonography, and Nuclear Medicine. Provides instruction and radiographic lab sessions for practice and demonstrations of a variety of orthopedic views and pediatric imaging.
Prerequisites: AHS 101, AHS 302, AHS 306, AHS 308 and AHS 309; BIOS 101 and 102, or BIOS 105 and 106, or BIOS 300 and 341; BIOS 210; CHEM 101 and 103 or CHEM 115; MATH 114 or MATH 112 and 113.
Offered: Fall, Spring.

AHS 475 | Image Analysis | 2 cr
Explores the identification of acceptable and unacceptable radiographic images. Discusses contrast, receptor exposure, distortion, spatial resolution, and basic anatomy along with radiographic positioning to produce diagnostic radiographs. Addresses legal issues involved with suboptimal and misidentified films.
Prerequisites: AHS 101, AHS 302; BIOS 101 and 102, or BIOS 105 and 106, or BIOS 300 and 341; BIOS 210; CHEM 101 and 103 or CHEM 115; MATH 114 or MATH 112 and 113.
Offered: Fall, Spring.

AHS 477 | Cross-Sectional Anatomy | 3 cr
Examines the science of Computed Tomography (CT) and identification of specific human anatomy presented in several different planes/orientations of the body. Reviews human anatomy in a cross-sectional format as related to CT and other select imaging.
Prerequisites: AHS 101, AHS 302; BIOS 101 and 102, or BIOS 105 and 106, or BIOS 300 and 341; BIOS 210; CHEM 101 and 103 or CHEM 115; MATH 114 or MATH 112 and 113.
Offered: Fall, Spring.

AHS 478 | Pathology | 3 cr
Introduces the basic and most common pathologies evidenced by radiologic imaging. Explores pathology as it involves the various systems in the human body.
Prerequisites: AHS 101, AHS 302; BIOS 101 and 102, or BIOS 105 and 106, or BIOS 300 and 341; BIOS 210; CHEM 101 and 103 or CHEM 115; MATH 114 or MATH 112 and 113.
Offered: Fall, Spring.

AHS 480 | Radiation Physics II | 2 cr
Addresses what a quality management program entails, and the processes involved for a medical imaging department. Surveys the equipment used in fluoroscopic suites and discusses proper radiation protection for patients and personnel.
Prerequisites: AHS 101, AHS 302 and AHS 470; BIOS 101 and 102, or BIOS 105 and 106, or BIOS 300 and 341; BIOS 210; CHEM 101 and 103 or CHEM 115; MATH 114 or MATH 112 and 113.
Offered: Fall, Spring.

AHS 482 | Clinical Internship I | 5 cr
Provides opportunity for clinical experience in the emergency department, general radiography, fluoroscopy, the orthopedic department, and the outpatient clinic. Includes beginning of surgery and evening rotations.
Prerequisites: AHS 101, AHS 302; BIOS 101 and 102, or BIOS 105 and 106, or BIOS 300 and 341; BIOS 210 or PSYC 250; CHEM 101 and CHEM 103, or CHEM 115; MATH 114 or MATH 112 and 113.
Offered: Fall, Spring.

AHS 483 | Clinical Internship II | 3 cr
Provides opportunity to continue clinical experience in the emergency department, general radiography, fluoroscopy, the orthopedic department, and the outpatient clinic. Includes continuation of surgery and evening rotations. Introduces Computed Tomography (CT) department.
Prerequisites: AHS 101, 302; BIOS 101 and 102, or BIOS 105 and 106, or BIOS 300 and 341; BIOS 210 or PSYC 250; CHEM 101 and 103, or CHEM 115; MATH 114 or MATH 112 and 113.
Offered: Fall, Spring.

AHS 484 | Clinical Internship III | 3 cr
Provides opportunity to continue clinical experience in the emergency department, general radiography, fluoroscopy, the orthopedic department, and the outpatient clinic. Includes continuation of surgery and evening rotations.
Prerequisites: AHS 101, 302; BIOS 101 and 102, or BIOS 105 and 106, or BIOS 300 and 341; BIOS 210 or PSYC 250; CHEM 101 and 103, or CHEM 115; MATH 114 or MATH 112 and 113.
Offered: Fall, Spring.

AHS 494 | Internship/Fieldwork | 1-6 cr
Provides students with learning experiences within professional fields that are related to their professional career goals; including, but not limited to: business operations, professional competencies and conduct, and overall work environment. Requires placement approval by AHS academic advisor or the AHS director. No more than six credits can be applied toward the AHS major and no more than twelve credits can count towards general graduation requirements.
Prerequisites: AHS 101, sophomore or above and approval by applied health science academic advisor and the director.
Offered: Fall, Spring, Summer.

AHS 495 | Clinical Practicum I | 1-5 cr
Provides experiential learning for clinical laboratory sciences at clinical affiliate sites. Incorporates phlebotomy practice exposure with rotation through each clinical laboratory department, Hematology/Coagulation/Body Fluid Analysis, Clinical Chemistry, Microbiology, and Blood Bank.
Prerequisites: AHS 401, AHS 405, AHS 406.
Offered: Fall.

AHS 496 | Clinical Practicum II | 1-6 cr
Provides additional experiential learning course for clinical laboratory sciences at clinical affiliate sites. Incorporates phlebotomy practice exposure with rotation through each clinical laboratory department. Requires placement approval by AHS academic advisor or the AHS director. No more than six credits can be applied toward the AHS major and no more than twelve credits can count towards general graduation requirements.
Prerequisites: AHS 406, AHS 495.
Offered: Fall, Spring, Summer.

Courses in Health Information Management Technology (HIMT)

HIMT 301 | Digital Literacy in Healthcare | 3 cr
This course provides an overview of medical clinical workflow, with emphasis on inter-professional electronic documentation and functionalities of the electronic health record (EHR). Through hands-on experience, this course advances the students' understanding of the electronic health record, Health IT Policies, Data and Database Management Systems in support of the EHR. (Students admitted to the HIMT program, having completed at least 60 credits, are eligible to enroll in HIMT 301.)
Prerequisites: Admitted to Health Information Management and Technology; completion of 60 credits.
Offered: Fall, Spring, Summer.

HIMT 310 | Healthcare Systems and Organizations | 3 cr
Examines how healthcare and public health are organized and how their services are delivered in the United States (US). Topics to be covered include: public policy (including US health reform initiatives); organization of healthcare systems; components and operation of healthcare organizations including e-health delivery; professional roles and accreditation; legal and regulatory issues including licensure requirements.
Prerequisites: None.
Offered: Fall, Spring, Summer.

HIMT 320 | Survey of Information Technology in Healthcare | 3 cr
Essential healthcare information technologies (HIT) that are used for healthcare information systems (HISs) are examined. Popular HISs include electronic medical record systems (EMRS), the computerized provider order entry systems, telemedicine, telehealth and e-prescribing.
Prerequisites: None.
Offered: Fall, Spring, Summer.

HIMT 330 | Healthcare I: Terminology and Body Systems | 3 cr
Examines specific terminology and vocabulary used by workers in healthcare and public health. Topics include medical terminology that broadly relates to human anatomy and physiology, body systems and diagnosis, including prefixes, suffixes, roots and combined forms. Topics will also include healthcare taxonomies and nomenclatures (e.g. ICD-9-CM, ICD-10, etc.)
Prerequisites: UW Colleges BIO 101 or equivalent.
Offered: Fall, Spring, Summer.

HIMT 340 | Ethical Issues, Security Management and Compliance | 3 cr
Examines three broad subjects: 1) evidence-based medical ethics pertaining to healthcare information management; 2) framework of healthcare information security management including security principles, policies and procedures, security management models, risk assessment, and protection mechanisms; 3) healthcare regulations and compliance with focuses on the legislative systems, policies, and legal environment of healthcare in the U.S.
Prerequisites: None.
Offered: Fall, Spring, Summer.

HIMT 345 | Programming and Software Development | 3 cr
Introduction to: object-oriented (OO) programming paradigm, object-oriented systems analysis and design, fundamental data structures, and n-tier software design. Examination of the role of each in the software development process.
Prerequisites: HIMT 300.
Offered: Fall, Spring, Summer.

HIMT 350 | Statistics For Healthcare | 3 cr
Examines basic statistical methods for the health sciences with emphasis on the principles of statistical reasoning, underlying assumptions, hypothesis testing, and careful interpretation of results. Some topics covered: major study designs, descriptive statistics, graphical displays of data, probability, confidence intervals and tests for means, differences of means, sample size and power, differences of proportions, chi-square tests for categorical variables, regression, multiple regression, and non-parametric statistics.
Prerequisites: UW Colleges MAT 105 or equivalent.
Offered: Fall, Spring, Summer.

HIMT 355 | Principles of Management For HIMT Professionals | 3 cr
Provides an overview of basic principles involved in management and communication. Topics include basic management principles, communication skills, interpersonal communication competence, negotiation technique, team/consensus building, professional development, and problem solving/decision-making processes.
Prerequisites: None.
Offered: Fall, Spring, Summer.

HIMT 360 | Healthcare II: Survey of Disease & Treatments | 3 cr
Further investigates the topics covered in HIMT 330. Topics include human disease, human health issues and classification of disease/health issues. Diagnostics, treatments and clinical procedures that are currently in practice will be discussed. Other topics will include how the drugs and biologicals work, their limitations, and the current diversity of available drugs and biologicals.
Prerequisites: HIMT 330.
Offered: Fall, Spring, Summer.

HIMT 365 | Healthcare Economics | 3 cr
Applications of microeconomic theory to analyze the behavior of health and health care markets. Topics will include: supply and demand of health care services, private health insurance markets, government provision of health care services and health insurance, and health care policy.
Prerequisites: None.
Offered: Fall, Spring, Summer.

HIMT 370 | Healthcare Systems: Analysis and Design | 3 cr
The first course in a two-course sequence that addresses methods and techniques of healthcare information system (IS) analysis and design as performed within the system development life cycle. Included will be techniques for problem definition, requirements gathering, analysis, logical design, selection and evaluation of alternative healthcare information systems solutions from the point of view of the health provider and user. An emphasis is placed on analysis, selection, and evaluation of information systems as they relate to healthcare.
Prerequisites: HIMT 300.
Offered: Fall, Spring, Summer.

HIMT 375 | Database Structures and Management Systems | 3 cr
Analyze and design databases to support computer-based information systems. Develop and implement relational database management systems using SQL. Topics include: data modeling techniques such as entity-relationship modeling, extended entity-relationship modeling, database constraints, database normalization techniques, and basic and advanced features of database query language SQL, etc.
Prerequisites: None.
Offered: Fall, Spring, Summer.

HIMT 380 | Healthcare Billing, Coding, and Reimbursement | 3 cr
This course examines the coding and reimbursement connection; topics include managed care plans, prospective payment systems, Medicare-Medicaid reimbursement, resource-based Relative Value Scale, case mix management, and revenue cycle management.
Prerequisites: None.
Offered: Fall, Spring, Summer.

HIMT 399 | Special Topics in Health Information Management and Technology | 3 cr
Examines a specific topic within Health Information Technology for seminar or independent study.
Prerequisites: None.
Offered: Fall, Spring, Summer.

HIMT 400 | Healthcare Information and Technology - Data | 3 cr
Explores the sources and data contents of healthcare information as well as the proper presentation of it for different usage levels. Topic addressed include: 1) data structure and use of health information (individual, comparative and aggregate), 2) type and content of health record, 3) data quality assessment, 4) secondary data sources, 5) healthcare data sets, 6) Health information archival systems, and 7) National Health care Information Infrastructure (NHII). This course will also cover topics in bioinformatics.
Prerequisites: HIMT 360.
Offered: Fall, Spring, Summer.

HIMT 410 | Healthcare Systems: Implementation and Integration | 3 cr
Examines the back-end stages of healthcare systems development lifecycle through the development of technical design specifications, procurement procedures (RFP, RFQ, vendor evaluation and selection, and contracting), systems configuration and integration, installation, conversion, operation, and maintenance. Pre-installation testing and post-conversion auditing and monitoring will be emphasized to address the upcoming requirements of federal certification of EHR systems.
Prerequisites: HIMT 300 and HIMT 370.
Offered: Fall, Spring, Summer.

HIMT 415 | Human Resource Management in Healthcare | 3 cr
Examines the role of Health Information Management staff in managing human resources to facilitate staff recruitment, training, retention and supervision. Emphasis includes ensuring compliance with employment laws and evaluating staff performances.
Prerequisites: None.
Offered: Fall, Spring, Summer.

HIMT 420 | Healthcare Systems: Project Management | 3 cr
This course addresses the phenomenal impact information system (IS) projects have had on healthcare delivery. Students learn how healthcare IS projects affect organizations, doctors, patients, and chronic-illness treatments, as well as individuals interested in managing their own healthcare. Concepts and tools for effective healthcare IS project management, process re-engineering and work redesign are introduced. The purpose of this course is to expose students to IS project management activities in healthcare settings. Topics covered include recent healthcare IS project trends, budgeting, scheduling, resource management, scope, risk analysis, and deployment controls. The genesis of healthcare project management is covered using specific cases and examples.
Prerequisites: None.
Offered: Fall, Spring, Summer.

HIMT 425 | Data Warehousing and Mining | 3 cr
Examines the concept of data warehouse and its effectiveness in supporting strategic decision making. Address the process of creating data warehouse/data-mart solutions from the identification of the enterprise informational and analytical needs to producing business intelligence by extraction information form the data warehouse by using data mining methods and models.
Prerequisites: HIMT 375.
Offered: Fall, Spring, Summer.

HIMT 430 | Quality Assessment and Improvement | 3 cr
Examines the Quality Assessment and Quality Improvement cycle (Plan, Do, Act, Check) and the role of the Health Information Technology and Health Information Management in the process. Tools used in quality and risk management processes will be examined.
Prerequisites: HIMT 350.
Offered: Fall, Spring, Summer.

HIMT 435 | Data Communications and Computer Networks in Healthcare | 3 cr
Provides fundamentals of data communications and networking techniques, and examines the linkage of information technology strategies and technological solutions enabling effective communication within and between healthcare organizations. Major topics include fundamental concepts of data communications and applications, network communication devices, basic technologies of the Local Area Network, Wireless Local Area Network, Wide Area Network, Internet and the Web, the OSI stack, healthcare information systems standards, and the HIE, RHIN, and the NHIN.
Prerequisites: HIMT 300.
Offered: Fall, Spring, Summer.

HIMT 440 | Group Processes, Team Building and Leadership | 3 cr
Examine the necessary group/team processed that are at the rot of building, developing, and maintaining medical/healthcare work teams and the effective functioning of such teams. The course also provides an overview of leadership development techniques and explores the uses of various communication technologies in the team building and functioning process.
Prerequisites: HIMT 355.
Offered: Fall, Spring, Summer.

HIMT 445 | Application of Leadership and Management in Healthcare Technology | 3 cr
This course assimilates and integrates concepts and applications of management and leadership in the healthcare advancing on the topics covered in HIMT 355, 365 and 415. Topics will include strategic leadership concepts, exploring key factors that impact management and planning, change management, critical organizational behaviors for leadership and management focusing on best practices and organizational accountability and assessment models.
Prerequisites: HIMT 355, HIMT 365, HIMT 415.
Offered: Fall, Spring, Summer.

HIMT 450 | Healthcare Information and Technology-Standards | 3 cr
Introduces healthcare information technology standards including standards and regulations for documentation, and will cover health information standards. Investigates soft-ware applications and enterprise architecture in healthcare and public organizations.
Prerequisites: HIMT 400.
Offered: Fall, Spring, Summer.

HIMT 489 | Pre-Capstone: Health Information Management and Technology | 1 cr
This is a one-credit course that is intended to serve as an orientation for the HIMT 490 Capstone course and includes content related to the national accrediting exams for Health Information Management and Health Information Technology certifications, resume development, and professional development to assist students in their upcoming capstone experience.
Prerequisites: None.
Offered: Fall, Spring, Summer.

HIMT 490 | Capstone Project | 3 cr
Explores the theory and dynamics of interprofessional and team practice in health information management and technology with the context of projects undertaken in healthcare settings. Work may involve all phases of project development. Project set-up will be jointly done by the student, site sponsor, and the course faculty.
Prerequisites: HIMT 400.
Offered: Fall, Spring, Summer.

Applied Health Sciences Major (BS)

Department website (https://www.uwp.edu/learn/programs/appliedhealthsciences.cfm)

College: College of Natural & Health Sciences

The bachelor of science with a major in applied health sciences, housed in the Center for Health Sciences (CHS), is designed to prepare students with an interdisciplinary and liberal arts foundation for professional careers within the health care systems through a combination of academic coursework and clinical experiences through pre-approved Internships. This major is intended primarily for qualified students who wish to pursue advanced degrees and/or careers in the professional fields of physical therapy, occupational therapy, chiropractic, physician assistant, athletic training, public health, medical laboratory sciences (https://www.uwp.edu/learn/programs/appliedhealthsciencesmedicallab.cfm), and available starting Fall 2025, radiologic science. In addition to completing the academic course work and clinical experiences, students must earn a cumulative GPA of 2.5 to graduate with the AHS major.

Career Possibilities:

The applied health sciences curriculum provides students with the appropriate classes and experiences that will allow them to meet the requirements necessary to qualify for professional health programs outlined as options within the concentrations offered in the major. While the majority of graduating students are expected to pursue advanced degrees in health care and health sciences, students completing this degree will also be competitive for entry level careers in general health sciences, scientific/medical research, and fitness/health promotion.

Medical Laboratory Science Concentration

The concentration in medical laboratory sciences (MLS) provides a rigorous curriculum that prepares students for a career as a medical laboratory scientist (MLS) or lab manager. While the majority of MLS students will find employment in a hospital lab or in a clinical reference lab, this degree will also prepare students for advanced degrees in healthcare and health sciences.

Program Learning Outcomes

1. To provide UW-Parkside students with a rigorous health sciences degree that will allow them to gain admission into professional/graduate health programs.
2. To provide UW-Parkside students with a rigorous health sciences degree that will allow them to be competitive and successful in entry-level health science careers.

Program-Specific Policies

The applied health sciences program requires that students gain experiences (6 credits – equivalent to 300 hours of healthcare experience) relevant to their respective concentrations to complete their degree. However, students who wish to be competitive in gaining acceptance into professional programs are strongly encouraged to gain additional program-specific health care experiences.

The AHS 494 Internship/Fieldwork in Applied Health Sciences course provides students with learning experiences within professional fields that are related to their professional career goals. These supervised experiences will require the student to gain exposure to all professional aspects of their chosen careers including, but not limited to: business operations, professional competencies and conduct, and overall work environment. Placement approval by AHS academic advisor or the CHS director is required. Students of sophomore standing or higher may register for this class multiple times in multiple semesters. One (1) credit equals fifty (50) hours of experience. Students must complete a total of six (6) credits (300 hours) for completion of the major requirement. Additionally, no more than twelve (12) credits may be applied toward general graduation requirements.

Articulation Agreements

St. Scholastica

Students who choose the pre-athletic training concentration within the AHS major are eligible to qualify for an articulation agreement with the master's degree athletic training program at St. Scholastica University in Minnesota. The top two students graduating with the pre-athletic training concentration are eligible for this program. For more information, interested students should contact their AHS advisor.

Gateway Technical College

Students can participate in an articulation agreement between the physical therapy assistant program at Gateway Technical College and the pre-athletic training and/or pre-physical therapy concentrations within the applied health sciences major. This program is a dual enrollment program where the students take classes at both Gateway Technical College and UW-Parkside during the first year of the program, finish their associates degree in physical therapy assistant at Gateway Technical College during their second year, then transfer seamlessly to UW-Parkside and finish their bachelor of science degree with a major in applied health sciences with either a concentration in pre-athletic training and/or pre-physical therapy. For more information, interested students should contact their AHS advisor.

Requirements for the Applied Health Sciences Major

In addition to completing the academic course work, students must earn a cumulative GPA of 2.5 to graduate with the AHS major.

The major in applied health sciences has a core requirement of 51-53 credits from a variety of departments relevant for pursuing careers in the various concentrations within the major. Within the major, a minimum of 15 credits in courses numbered 300 or above must be completed at UW-Parkside. Students also must be aware of and satisfy UW-Parkside's requirements for graduation in addition to the requirements for the applied health sciences major. Students who complete the AHS major may also qualify for a minor in Biological Sciences. Please see your advisor for more information on this.

Code	Title	Credits
College of Natural and Health Sciences requirement		
New entering students, and transfer students with less than 30 college credits, choosing a major in the College of Natural and Health Sciences are required to take this course.		
UWP 101	First Year Seminar: Natural and Health Sciences	1
Core Courses		
Applied Health Science Courses		
AHS 101	Introduction to Applied Health Sciences	3
AHS 494	Internship/Fieldwork [1]	6
Biological Sciences Courses		

BIOS 101	Bioscience [2]	4
BIOS 105	Human Physiology and Anatomy I [3]	5
BIOS 106	Human Physiology and Anatomy II [3]	5
Chemistry Courses		
CHEM 101	General Chemistry I [2]	4
CHEM 103	General Chemistry Lab I	1
Mathematics Courses		
MATH 111	College Algebra I	5
Select one of the following:		5-6
MATH 114	College Algebra II/Trigonometry	
MATH 112 & MATH 113	College Algebra II and Trigonometry	
Health, Kinesiology and Sport Management		
HLTH 270	Lifetime Wellness	3
HLTH 280	Nutrition for Wellness	3
Psychology		
PSYC 101	Introduction to Psychological Science	3
Statistics		
BIOS 210	Biostatistics	3-4
or PSYC 250	Psychological Statistics	
Core Courses Subtotal		51-53
Concentration Options		
Choose one option		19-59
Total Credits		**70-112**

1. Additionally, students can gain these credits through either pre-approved BIOS 494 Internship or KSP 498 Fieldwork in Kinesiology and Sport Performance.
2. These courses also satisfy general education requirements at UW-Parkside.
3. Students may substitute BIOS 300 Human Functional Anatomy/BIOS 341 Mammalian Physiology/BIOS 342 Mammalian Physiology Laboratory or BIOS 300 Human Functional Anatomy/BIOS 341 Mammalian Physiology for BIOS 105 Human Physiology and Anatomy I/BIOS 106 Human Physiology and Anatomy II sequence.

In addition to satisfying the core requirements within the applied health sciences major, students must choose and complete a concentration based on their area of interest and continuing education. In order to obtain a concentration, students must complete all the following required course work in addition to the above stated core courses. The courses outlined in the concentrations will satisfy most of the academic requirements necessary to gain acceptance into the relevant professional programs. However, students should work closely with their applied health sciences advisor to stay abreast of any changes that occur within these requirements as they can fluctuate during any application cycle. Ultimately, it is the students' responsibility to ensure that they have satisfied the academic requirements for the specific schools and programs to which they wish to apply.

Concentration Options

Medical Laboratory Sciences (https://www.uwp.edu/learn/programs/appliedhealthsciencesmedicallab.cfm)

Code	Title	Credits
Required Courses		
AHS 300	Introduction to Medical Laboratory Sciences	3
AHS 310	Clinical Microbiology I	2
AHS 311	Clinical Microbiology II	3
AHS 320	Clinical Immunology I	3
AHS 321	Clinical Immunology II	2
AHS/CHEM 335	Clinical Chemistry I	3
AHS/CHEM 336	Clinical Chemistry II	3
AHS 340	Hematology and Hemostasis I	3
AHS 341	Hematology and Hemostasis II	2
AHS 350	Diagnostic Molecular Biology	3
AHS 400	Immunohematology I	2
AHS 401	Immunohematology II [1]	2
AHS 405	Cellular Morphology Laboratory [1]	2
AHS 406	Clinical Fluid Analysis [1]	2
AHS 410	Clinical Mycology, Parasitology, and Virology	3
AHS 420	Laboratory Operations	2
AHS 450	Clinical Correlations and Board of Review Test Preparation	2
AHS 495	Clinical Practicum I	2
AHS 496	Clinical Practicum II	2
BIOS 102	Organismal Biology	4
BIOS 260	General Genetics	4
CHEM 102	General Chemistry II [2]	4
CHEM 104	General Chemistry Lab II [2]	1
Total Credits		**59**

1. These three (3) courses will satisfy the AHS 494 Internship/Fieldwork requirement within the AHS major.
2. Students completing this concentration may substitute CHEM 115 Chemical Science/CHEM 215 Organic and Biochemistry for CHEM 101 General Chemistry I/CHEM 103 General Chemistry Lab I and CHEM 102 General Chemistry II/CHEM 104 General Chemistry Lab II.

Pre-Athletic Training

Code	Title	Credits
Required Courses		
KSP 330	Sport and Exercise Biomechanics	4
KSP 340	Sport and Exercise Physiology	4
KSP 345	Prevention and Care of Athletic Injuries	3
KSP 410	Fitness Assessment and Exercise Prescription	3
PHYS 105	College Physics I	5
Total Credits		**19**

Pre-Chiropractic

Code	Title	Credits
Required Courses		
BIOS 102	Organismal Biology	4
CHEM 102	General Chemistry II	4

CHEM 104	General Chemistry Lab II	1
CHEM 321	Organic Chemistry I	4
CHEM 322	Organic Chemistry II	4
CHEM 323	Organic Chemistry Lab	2
KSP 330	Sport and Exercise Biomechanics	4
KSP 340	Sport and Exercise Physiology	4
PHYS 105	College Physics I	5
PHYS 106	College Physics II	5
Total Credits		**37**

[1] This course also satisfies general education requirements at UW-Parkside.

Pre-General Health

Code	Title	Credits
Required Courses		
BIOS 102	Organismal Biology	4
BIOS 260	General Genetics	4
CHEM 102 & CHEM 104	General Chemistry II and General Chemistry Lab II [1]	5
PSYC 210	Introduction to Human Development	3
Required Courses Subtotal		16
Elective Courses		
Students must take at least nine (9) credits at the 300-level or higher selected from the concentrations within the AHS major. One of these courses must be a laboratory-based class.		9
Total Credits		**25**

[1] Students completing this concentration may substitute CHEM 115 Chemical Science/CHEM 215 Organic and Biochemistry for CHEM 101 General Chemistry I/CHEM 103 General Chemistry Lab I and CHEM 102 General Chemistry II/CHEM 104 General Chemistry Lab II.

Pre-Occupational Therapy

Code	Title	Credits
Required Courses		
BIOS 300	Human Functional Anatomy [1]	4
BIOS 341	Mammalian Physiology [1]	3
BIOS 342	Mammalian Physiology Laboratory [1]	1
KSP 330	Sport and Exercise Biomechanics	4
KSP 340	Sport and Exercise Physiology	4
PHYS 101	Principles of Physics [2]	4
PSYC 210	Introduction to Human Development	3
PSYC 360	Psychopathology	3
Total Credits		**26**

[1] Students can substitute BIOS 105 Human Physiology and Anatomy I/BIOS 106 Human Physiology and Anatomy II for BIOS 300 Human Functional Anatomy/BIOS 341 Mammalian Physiology/BIOS 342 Mammalian Physiology Laboratory.

[2] This course also satisfies general education requirements at UW-Parkside.

Pre-Physician Assistant

Code	Title	Credits
Required Courses		
BIOS 102	Organismal Biology	4
BIOS 260	General Genetics	4
BIOS 300	Human Functional Anatomy [1]	4
BIOS 303	Microbiology [3]	4
BIOS 307	Biochemical Metabolism	3
BIOS 341	Mammalian Physiology [1]	3
BIOS 342	Mammalian Physiology Laboratory [1]	1
CHEM 102	General Chemistry II	4
CHEM 104	General Chemistry Lab II	1
CHEM 321	Organic Chemistry I	4
CHEM 322	Organic Chemistry II	4
CHEM 323	Organic Chemistry Lab	2
PHYS 101	Principles of Physics [2]	4
PSYC 210	Introduction to Human Development	3
PSYC 360	Psychopathology	3
Total Credits		**48**

[1] Students can substitute BIOS 105 Human Physiology and Anatomy I/BIOS 106 Human Physiology and Anatomy II for BIOS 300 Human Functional Anatomy/BIOS 341 Mammalian Physiology/BIOS 342 Mammalian Physiology Laboratory.

[2] This course also satisfies general education requirements at UW-Parkside.

[3] Students may substitute BIOS 202 General Microbiology for BIOS 303 Microbiology

Pre-Physical Therapy

Code	Title	Credits
Required Courses		
BIOS 102	Organismal Biology	4
BIOS 300	Human Functional Anatomy [1]	4
BIOS 341	Mammalian Physiology [1]	3
BIOS 342	Mammalian Physiology Laboratory [1]	1
CHEM 102	General Chemistry II	4
CHEM 104	General Chemistry Lab II	1
KSP 330	Sport and Exercise Biomechanics	4
KSP 340	Sport and Exercise Physiology	4
KSP 345	Prevention and Care of Athletic Injuries	3
PHYS 105	College Physics I [2]	5
PHYS 106	College Physics II	5
PSYC 210	Introduction to Human Development	3
PSYC 360	Psychopathology	3
Total Credits		**44**

[1] Students can substitute BIOS 105 Human Physiology and Anatomy I/BIOS 106 Human Physiology and Anatomy II for BIOS 300 Human Functional Anatomy/BIOS 341 Mammalian Physiology/BIOS 342 Mammalian Physiology Laboratory.

[2] This course also satisfies general education requirements at UW-Parkside.

Recommended but not required course for the pre-physical therapy concentration as it is becoming more common as a pre-requisite class for DPT programs: PSYC 210 Introduction to Human Development.

Pre-Public Health

Code	Title	Credits
Required Courses		
BIOS 102	Organismal Biology	4
BIOS 260	General Genetics	4
COMM 107	Communication and the Human Condition [1]	3
PSYC 220	Social Psychology	3
PSYC 363	Health Psychology	3
SOCA 101	Introduction to Sociology [1]	3
SOCA 376	Public Health	3
Required Courses Subtotal		23
Recommended Courses [2]		
BIOS 109	Biology of Aging	
BIOS 303	Microbiology [3]	
BIOS 311	Parasitology	
BIOS 351	Virology	
HIMT 310	Healthcare Systems and Organizations	
PHIL 340	Bioethics	
PSYC 210	Introduction to Human Development [1]	
ANTH 202	Human Evolution	
Total Credits		**23**

1. These courses also satisfy general education requirements at UW-Parkside.
2. Recommended but, not required courses for those in the pre-public health concentration.
3. Students may substitute BIOS 202 General Microbiology for BIOS 303 Microbiology

Students should, in consultation with their AHS advisor, ensure that the pre-requisite classes required by their specific professional health programs are met, regardless of whether or not they are specifically listed in the above coursework, and that their 300-level credit graduation requirements (36 credits) are satisfied. Additionally, students are responsible for ensuring that they have met the General Education and Foreign Language requirements at UW-Parkside.

Radiologic Science

Available Beginning FALL 2025

The concentration in Radiologic Science provides a rigorous curriculum that prepares students for a career as a Radiologic Technician or manager. While the majority of Radiologic Science students will find employment in a hospital lab or in a clinical reference lab, this degree will also prepare students for advanced degrees in healthcare and health sciences.

Code	Title	Credits
AHS 302	Introduction to Radiology	2
AHS 306	Imaging Procedures I	3
AHS 307	Pharmacology and Ethics	3
AHS 308	Imaging Procedures II	3
AHS 309	Imaging Procedures III	3
AHS 351	Radiation Protection	2
AHS 353	Principles of Imaging I	3
AHS 355	Clinical Education I	3
AHS 360	Radiation Biology	2
AHS 362	Principles of Imaging II	3
AHS 364	Clinical Education II	3
AHS 470	Radiographic Physics I	2
AHS 473	Imaging Procedures IV	2
AHS 475	Image Analysis	2
AHS 477	Cross-Sectional Anatomy	3
AHS 478	Pathology	3
AHS 480	Radiation Physics II	2
AHS 482	Clinical Internship I	5
AHS 483	Clinical Internship II [1]	3
AHS 484	Clinical Internship III [1]	3
Total Credits		**55**

1. For students completing the Radiologic Sciences Concentration, these 2 courses (6 credits total) will satisfy the AHS 494 – Internship/Fieldwork (6 credits) requirement within the AHS major, as such these credits will not be counted in the total credits needed for the concentration in Radiologic Science.

General University Degree Requirements (Bachelor's Degree)

In addition to individual program requirements, students must also fulfill the following requirements:

Requirement	Credits
Skills	7-8
General Education	36
Foreign Language**	6-8
Ethnic Diversity	3
Total	52-55

** Transfer students in sustainable management, and health information management and technology collaborative, online degree-completion programs, the business management online degree-completion program, and the flexible option degree-completion program will be exempt from the university's foreign language requirement. See appropriate academic section for further information.

Skills Requirement (p. 13)

Code	Title	Credits
Reading and Writing		
ENGL 101	Composition and Reading	3
Computational Skills		
Select one of the following:		4-5
MATH 102	Quantitative Reasoning	
MATH 103	Elementary Statistics	

MATH 104	College Mathematics with Applications	
MATH 111	College Algebra I	
Total Credits		**7-8**

General Education (p. 13)

- General Education Course List (p. 157)

Foreign Language (p. 13)

Ethnic Diversity (p. 13)

Degree Requirements

Requirement	Credits
Minimum Total Credits	120
Upper Level Credits (300 level or above)	36
Residency	30

Cumulative Degree GPA: 2.0 minimum

Health Information Management and Technology Major (BS)

Department website (https://www.uwp.edu/learn/programs/himtonline.cfm)

College: College of Natural & Health Sciences

The bachelor of science in health information management and technology (HIMT) is a 61-credit online degree completion program which is accredited by the Commission on Accreditation for Health Informatics and Information Management Education (CAHIIM). This is one of the only programs that teaches essential skills in both health information management (HIM) and health information technology (HIT)—providing the new HIMT skills you need to succeed in today's ever more technology-focused healthcare environments. Graduates of UW-Parkside's Management track of HIMT are eligible to apply for the Registered Health Information Administrator (RHIA) credentialing exam.

The degree program focuses on the information sector of the healthcare industry because it is one of the fastest growing and evolving segments of the industry. The new advances in health-related technologies, patient records, etc., bring with them new regulations and new concerns for privacy and security. Highly skilled professionals are needed to manage this area, and graduates of the HIMT degree program will be very well positioned to meet that need. The online program is designed to meet the needs of adult learners.

By focusing as much on health IT and analytics skills as the traditional skills associated with health information management, the HIMT degree program will prepare knowledgeable and skillful professionals to assume leadership positions within the public and private sectors. Within organizations, a HIMT professional will be able to manage and administer health-information technologies that span across divisions, departments, and businesses.

This program offers courses in conjunction with three partner campuses – UW-Green Bay, UW-La Crosse and UW-Stevens Point.

1. Demonstrate through the healthcare management track the principles of leadership and management in the HIMT environment or demonstrate through the healthcare technology track the application of information technology in the HIMT environment
2. Apply quantitative methodologies to process healthcare information
3. Evaluate, use, and integrate information technology to support medical decision making and processes
4. Apply critical and creative thinking, problem solving, and effective inter-professional communication skills related to health information management
5. Apply principles of healthcare privacy, confidentiality, legal, ethical issues and data security
6. Demonstrate knowledge of dynamic healthcare delivery systems and regulatory environments
7. Demonstrate knowledge of healthcare terminology and medical conditions
8. Demonstrate knowledge of healthcare billing, coding and reimbursement policies

Requirements for the Health Information Management and Technology Major

Students are eligible for admission to this program once they have earned 60 credits of college work through an associate's degree from an accredited institution or 60 equivalent credits of course work. Students must also have completed the following prerequisite courses: college algebra, introductory biology and introductory communications with grades of C or better. Please contact the Academic Director of the HIMT program at UW-Parkside for more information.

To complete the degree program, students must successfully complete all of UW-Parkside's graduation requirements including the general education and ethnic diversity requirements. Students admitted to the program will take 49 credits of core courses and 12 credits in either management or healthcare technology designed to prepare them for the HIMT field and further focus their knowledge in one of these areas of specialization. Course work will culminate in a capstone course, where students will complete an HIMT project in a field setting.

Code	Title	Credits
Required Core Courses		
HIMT 301	Digital Literacy in Healthcare	3
HIMT 310	Healthcare Systems and Organizations	3
HIMT 320	Survey of Information Technology in Healthcare	3
HIMT 330	Healthcare I: Terminology and Body Systems	3
HIMT 340	Ethical Issues, Security Management and Compliance	3
HIMT 350	Statistics For Healthcare	3
HIMT 360	Healthcare II: Survey of Disease & Treatments	3
HIMT 370	Healthcare Systems: Analysis and Design	3
HIMT 380	Healthcare Billing, Coding, and Reimbursement	3
HIMT 400	Healthcare Information and Technology - Data	3
HIMT 410	Healthcare Systems: Implementation and Integration	3
HIMT 420	Healthcare Systems: Project Management	3
HIMT 430	Quality Assessment and Improvement	3
HIMT 440	Group Processes, Team Building and Leadership	3
HIMT 450	Healthcare Information and Technology-Standards	3
HIMT 489	Pre-Capstone: Health Information Management and Technology	1

HIMT 490	Capstone Project	3
Required Core Courses Subtotal		49
Major Elective Courses		
Choose one group of courses:		12
Healthcare Management Track		
HIMT 355	Principles of Management For HIMT Professionals	
HIMT 365	Healthcare Economics	
HIMT 415	Human Resource Management in Healthcare	
HIMT 445	Application of Leadership and Management in Healthcare Technology	
Healthcare Technology Track		
HIMT 345	Programming and Software Development	
HIMT 375	Database Structures and Management Systems	
HIMT 425	Data Warehousing and Mining	
HIMT 435	Data Communications and Computer Networks in Healthcare	
Major Elective Courses Subtotal		12
Total Credits		**61**

To complete the major, students are required to complete the core 17 courses and 4 courses in one of the tracks available for a total of 21 courses (61 credits). Because these courses are designed specifically for this degree, are online, and include a focus on health information management and technology, these courses do not duplicate courses already available at the partner campuses.

Students who are completing the HIMT degree and who have entered the program with more than 60 credits do not have to fulfill the Foreign Language Requirement at UW-Parkside.

General University Degree Requirements (Bachelor's Degree)

In addition to individual program requirements, students must also fulfill the following requirements:

Requirement	Credits
Skills	7-8
General Education	36
Foreign Language**	6-8
Ethnic Diversity	3
Total	52-55

** Transfer students in sustainable management, and health information management and technology collaborative, online degree-completion programs, the business management online degree-completion program, and the flexible option degree-completion program will be exempt from the university's foreign language requirement. See appropriate academic section for further information.

Skills Requirement (p. 13)

Code	Title	Credits
Reading and Writing		
ENGL 101	Composition and Reading	3
Computational Skills		
Select one of the following:		4-5
MATH 102	Quantitative Reasoning	
MATH 103	Elementary Statistics	
MATH 104	College Mathematics with Applications	
MATH 111	College Algebra I	
Total Credits		**7-8**

General Education (p. 13)

- General Education Course List (p. 157)

Foreign Language (p. 13)

Ethnic Diversity (p. 13)

Degree Requirements

Requirement	Credits
Minimum Total Credits	120
Upper Level Credits (300 level or above)	36
Residency	30

Cumulative Degree GPA: 2.0 minimum

Health Information Management Certificate

College: College of Natural & Health Sciences

Upon successful completion of the Health Information Management Certificate, students will be eligible to sit for professional credentials offered thru The American Health Information Management Association (AHIMA). Credentials earned thru AHIMA are the gold-standard for Health Information Management professionals.

Program-Specific Policies

Students in the certificate program are exempt from course prerequisites.

Requirements for the Health Information Management Certificate

Admission requirements for the Health Information Management Certificate in HIMT will include a Bachelor's degree. Program prerequisites will include coursework in College Algebra, College level Statistics, Communications, Biology, Medical Terminology and Body Systems, and Survey of Disease Treatments.

Code	Title	Credits
HIMT 301	Digital Literacy in Healthcare	3
HIMT 340	Ethical Issues, Security Management and Compliance	3
HIMT 380	Healthcare Billing, Coding, and Reimbursement	3
HIMT 400	Healthcare Information and Technology - Data	3
HIMT 415	Human Resource Management in Healthcare	3
HIMT 420	Healthcare Systems: Project Management	3
HIMT 430	Quality Assessment and Improvement	3
HIMT 440	Group Processes, Team Building and Leadership	3
Total Credits		**24**

University Requirements for Undergraduate Certificates

Course work in a certificate must be completed with a minimum 2.00 GPA. Departments or programs may require a higher GPA.

A minimum of 9 credits in a certificate program must be taken at UW-Parkside. Individual departments and programs may require more than 9 credits to be taken at UW-Parkside.

Health, Kinesiology and Sport Management

Department website (https://www.uwp.edu/learn/departments/hesm/)

College: College of Natural & Health Sciences

Student Organizations/Clubs:

Sport Management Club

Department Overview

The Health, Kinesiology and Sport Management (HKSM) Department offers Bachelor of Science degrees in Kinesiology & Sport Performance along with Sport Management.

Both bachelor of science degree programs feature:

- Core courses designed to ensure students learn the fundamentals and skills necessary to achieve success in their chosen field.
- Elective courses which encourage students to supplement their aforementioned core courses with classes designed to target their specific career goals.
- Finally, both degree programs require significant practical/field experience. This approach ensures students acquire hands-on knowledge and make valuable professional contacts in their respective professions. As part of this initiative, the department is one of the campus leaders in offering Community-Based Learning course/classroom opportunities to students.

The department also offers minors in coaching, kinesiology & sport performance and sport management. These minor opportunities are designed to allow a student to supplement an existing major with additional career-specific course work designed to enhance their employment prospects.

Finally, HKSM also offers a Master of Science degree in Sport Management (MSSM & MSSMO) and participates in offering an online collaborative Master of Science degree in Health and Wellness Management (HWM). (Please see “Graduate Programs” for more information about these degree programs.)

Career Possibilities

Kinesiology & sport performance majors can find employment within the sport and exercise fields with numerous types of organizations including educational institutions, sport and fitness centers, amateur or professional sports organizations/teams, health centers, corporate wellness and nonprofit, private or municipal recreation programs. Careers include sport performance coach, fitness coach, strength and conditioning coach, exercise specialist, exercise physiologist, personal training or director exercise and fitness program to name a few. Recent graduates work in a variety of settings, such as owning their own fitness business, coaching, personal training, and strength and conditioning coach. Other graduates have successfully pursued a professional program or graduate work in the health care/medical field such as athletic training and physical therapy.

Sport management majors can find employment within the sports industry with numerous types of organizations including amateur or professional sports organizations/teams, educational institutions (colleges or high schools), health and fitness centers and nonprofit, private or municipal recreation programs. Careers include administration/management, coaching, marketing/sales, consulting, journalism, public relations, facility operations or sports information to name a few. Recent graduates work at all levels of organized sport and around the world. Many have also taken their degree and acquired skills to succeed in a wide variety of general business sectors.

Preparation for Graduate Studies

Undergraduate study in kinesiology & sport performance provides preparation for advanced study in such areas as athletic training, biomechanics, coaching, exercise physiology, kinesiology, occupational therapy, physical education and physical therapy.

Undergraduate study in sport management provides preparation for graduate study in a wide variety of graduate programs. Recent graduates have gone on to experience success in graduate programs such as sport administration, sport management, business, communications, education and law.

Special Policies

Students who wish to double major in kinesiology and sport performance along with sport management may be allowed to reduce the overall number of fieldwork credits required to complete the two majors. Please see a departmental advisor for more information if you are considering this option.

Trips or visits to sport, fitness or other related facilities and/or events may be required as part of the curriculum for select HKSM courses.

Fees may be required for certain HKSM courses to cover unique education expenses.

Programs Offered

- Kinesiology & Sport Performance Major (BS) (p. 197)
- Sport Management Major (BS) (p. 199)
- Coaching Minor (p. 201)
- Kinesiology and Sport Performance Minor (p. 202)
- Sport Management Minor (p. 202)
- Sport Sales Certificate (p. 203)

Courses in Health, Kinesiology and Sport Management

HLTH 250 | First Aid and Safety | 3 cr

Provides knowledge and skills to help create a safe environment to prevent the risk of accidents and to deal with breathing, cardiac, and thermoregulatory emergencies; musculoskeletal injuries; and poisonings. Develops competencies in first aid, CPR, and AED use. Requires fees.
Prerequisites: None.
Offered: Yearly.
Meets: Natural Science: HKSM, Natural Science: HKSM, Natural Science: HKSM, Natural Science: HKSM, Natural Science: HKSM

HLTH 270 | Lifetime Wellness | 3 cr

Provides necessary knowledge and skills to develop a personal fitness/wellness program and to achieve greater lifelong health and wellness. Requires workouts outside of the scheduled class period.
Prerequisites: None.
Offered: Fall, Spring.
Meets: Social & Behavioral Science: HKSM, Social & Behavioral Science: HKSM, Social & Behavioral Science: HKSM, Social & Behavioral Science: HKSM, Social & Behavioral Science: HKSM

HLTH 280 | Nutrition for Wellness | 3 cr

Develops an understanding of the interaction of good nutrition and wellness. Focuses on nutritional strategies to maximize health including the needs and considers responses of special populations to diet. Community-based learning designation.
Prerequisites: None.
Offered: Fall, Spring.
Meets: Natural Science: HKSM, Community Based Learning, Natural Science: HKSM, Community Based Learning, Natural Science: HKSM, Community Based Learning, Natural Science: HKSM, Community Based Learning, Natural Science: HKSM, Community Based Learning

HLTH 321 | Women's Health Issues | 3 cr

Provides a comprehensive overview of critical, contemporary women's health topics and a framework for informed personal and social health decision-making. Includes health status and implications, nutrition and fitness; sexuality and reproductive health; violence in women's lives; heath of women across the life span; chronic diseases; and substance use/abuse issues. Community-based learning designation.
Prerequisites: At least sophomore standing.
Offered: Occasionally.
Meets: Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning

HLTH 490 | Special Topics in Health and Wellness | 1-3 cr

Examines selected topics in health and wellness.
Prerequisites: Varies by topic.
Offered: Occasionally.

HLTH 499 | Independent Study | 1-4 cr

Provides opportunity for independent work in health and wellness under faculty supervision.
Prerequisites: Consent of instructor and department chair.
Offered: Fall, Spring, Summer.

KSP 100 | Introduction to Kinesiology and Sport Performance | 1 cr

Provides an overview of potential careers and professional aspects in the field of kinesiology and sport performance. Introduces key concepts concerning the anatomical, mechanical, physiological, neural, and psychological bases of human movement. Explores skills and abilities needed to successfully obtain and retain a position within kinesiology.
Prerequisites: None.
Offered: Yearly.

KSP 110 | Essentials of Human Anatomy and Physiology | 5 cr

Covers essential structures and functioning of the cells, organs, and systems of the human body. Requires lab.
Prerequisites: None.
Offered: Yearly.

KSP 190 | Special Topics in Kinesiology and Sport Performance | 3 cr

Examines selected topics in kinesiology and sport performance.
Prerequisites: Varies by topic.
Offered: Occasionally.

KSP 205 | Social and Philosophical Issues in Kinesiology | 3 cr

Introduces the student to the study of physical activity, physical education, sport, and athletics in historical and contemporary society. Emphasizes the justification for school-based physical education; consequent mission of physical education; and problems and challenges associated with physical education teaching programs. Explores philosophic questions regarding the nature of the human being, ethics, and meaning derived from physical activity, physical education, and sport participation.
Prerequisites: None.
Offered: Yearly.

KSP 290 | Special Topics in Kinesiology and Sport Performance | 1-3 cr

Examines topics in kinesiology and sport performance. May be repeated for credit with different topic.
Prerequisites: Varies by topic.
Offered: Occasionally.

KSP 295 | Practicum in Kinesiology and Sport Performance | 2 cr

Provides opportunity for students to apply current knowledge, theories, skills and research to the kinesiology and sport performance industry. Community-based learning designation.
Prerequisites: KSP 100, KSP 110; at least sophomore standing.
Offered: Yearly.
Meets: Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning

KSP 300 | Advanced Sport and Exercise Nutrition | 3 cr

Reviews macronutrients, micronutrients, water, the digestive process, and balanced nutrition for basic human physiological needs. Applies evidence-based nutrition strategies and recommendations to athletes of varying sports to maximize sport performance.
Prerequisites: HLTH 280.
Offered: Yearly.

KSP 306 | Motor Learning and Development | 3 cr
Explores issues pertinent to the analysis, teaching, and learning of motor skills. Emphasizes identifying qualities of the individual learner/performer in relation to environmental factors and teacher behaviors that influence the skill acquisition process. Examines the development of motor skills through our lifespan.
Prerequisites: At least sophomore standing.
Offered: Yearly.

KSP 310 | Measurement and Evaluation in Sport and Exercise | 3 cr
Examines the concepts of measurement and evaluation. Covers setting up and administration of assessments, data collection, data analysis and reporting, and applications relevant to assessment in the psychomotor, cognitive, and affective domains in sport and exercise. Two hours lecture, required lab.
Prerequisites: Completion of computational skills requirement.
Offered: Yearly.

KSP 320 | Sport and Exercise Psychology | 3 cr
Presents a theoretical overview of principles of sports, exercise, and rehabilitation psychology. Includes practical intervention skills,applicable in a wide variety of occupational situations.
Prerequisites: Junior or senior.
Offered: Fall, Spring.

KSP 325 | Exercise Leadership and Management | 3 cr
Explores theory and practice for leading and managing kinesiology programs. Covers planning and developing exercise leadership skills, facility oversight, programming, personnel issues, marketing, and evaluation aspects. Community-based learning designation.
Prerequisites: Junior/senior standing; declared KSP or AHS major.
Offered: Yearly.
Meets: Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning

KSP 330 | Sport and Exercise Biomechanics | 4 cr
Examines human movement from anatomical and mechanical perspectives. Includes fundamental biomechanical concepts, terminology, principles, and their application as they relate to sport and exercise. Three-hour lecture; required lab session.
Prerequisites: KSP 110 or BIOS 105 or BIOS 300; completion of computational skills requirement.
Offered: Fall, Spring.

KSP 340 | Sport and Exercise Physiology | 4 cr
Explores the physiological changes of the human body during and after exercise, and their implications for human performance. Three-hour lecture; required lab session.
Prerequisites: KSP 110 or BIOS 105 and BIOS 106 or BIOS 300 and BIOS 341; and completion of computational skills requirement.
Offered: Fall, Spring.

KSP 345 | Prevention and Care of Athletic Injuries | 3 cr
Addresses athlete health, injury prevention techniques, and injury management by introducing knowledge and skills to help provide a safe environment for athletes while practicing, competing, and recovering from injury. Incorporates CPR/AED certification component.
Prerequisites: HLTH 250.
Offered: Occasionally.

KSP 350 | Research Methods in Kinesiology and Sport Performance | 3 cr
Addresses the major aspects of performing research in the broad area of exercise science. Includes the scientific method, statistical analysis, research design, types of research and the publication process.
Prerequisites: KSP 310 or PSYC 250 or MATH 104.
Offered: Spring.

KSP 390 | Special Topics in Kinesiology and Sport Performance | 1-3 cr
Examines topics in kinesiology and sport performance.
Prerequisites: Varies by topic.
Offered: Occasionally.

KSP 410 | Fitness Assessment and Exercise Prescription | 3 cr
Provides the knowledge and skills to assess, analyze, and prescribe appropriate fitness and health behavior programs for a diverse population. Focuses on standards set forth by the American College of Sport Medicine. Community-based learning designation.
Prerequisites: KSP 330, KSP 340.
Offered: Yearly.
Meets: Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning

KSP 415 | Scientific Principles of Human Performance | 4 cr
Examines theoretical and applied aspects of human performance including physiology, biomechanics, nutrition, psychology, and training adaptions. Covers exercise technique, flexibility development, testing, resistance training program design, skill acquisition, periodization, plyometrics, aerobic and anaerobic conditioning, and facilities and risk management. Lab required.
Prerequisites: KSP 330, KSP 340.
Offered: Yearly.

KSP 420 | Advanced Sport Conditioning Techniques | 3 cr
Examines principles underlying effective exercise and sport conditioning techniques.
Prerequisites: KSP 415.
Offered: Yearly.

KSP 425 | Program Design for Athletic Development and Training | 3 cr
Provides opportunity to design and monitor training programs. Examines the principles underlying effective program design.
Prerequisites: KSP 415.
Offered: Yearly.

KSP 426 | Functional Anatomy for Human Performance | 3 cr
Explores the integration of the nervous, skeletal, and muscular systems with regard to applications in sport, exercise, and kinesiology.
Prerequisites: Junior/senior standing; accepted KSP major.
Offered: Yearly.

KSP 435 | Kinesiology and Sport for Special Populations | 3 cr
Presents guidelines for prescribing exercise for special populations including people with disabilities and chronic diseases.
Prerequisites: KSP 110 or BIOS 105, BIOS 106.
Offered: Yearly.

KSP 480 | Senior Seminar in Kinesiology and Sport Performance | 1 cr
Provides opportunity to examine and apply the concepts, skills, and issues of the profession and discipline of kinesiology and sport performance.
Prerequisites: Senior standing; accepted KSP major with a minimum GPA of 2.67 in major.
Offered: Yearly.

KSP 490 | Special Topics in Kinesiology and Sport Performance | 1-3 cr
Examines selected topics in kinesiology and sport performance.
Prerequisites: Varies by topic.
Offered: Occasionally.

KSP 494 | Internship | 1-3 cr
Provides opportunity for practical application of the methods and techniques in various kinesology fields under guidance of an appropriate faculty member. May be repeated for a maximum of six credits.
Prerequisites: Consent instructor and department chair.
Offered: Fall, Spring, Summer.

KSP 498 | Fieldwork in Kinesiology and Sport Performance | 1-3 cr
Provides opportunity for a supervised field-based experience. Requires placement approval by KSP faculty member. Must be completed in student's last year of course work.
Prerequisites: Accepted KSP major with a minimum major GPA of 2.67.
Offered: Fall, Spring, Summer.

KSP 499 | Independent Study | 1-5 cr
Provides opportunity to conduct independent work under KSP faculty supervision.
Prerequisites: Consent of instructor and department chair.
Offered: Fall, Spring, Summer.

PE 100 | Badminton | 1 cr
Introduces basic skills, rules, proper court position and conditioning.
Prerequisites: None.
Offered: Occasionally.

PE 101 | Baseball | 1 cr
Introduces fundamental skills and the elements of position play.
Prerequisites: None.
Offered: Occasionally.

PE 102 | Basketball | 1 cr
Provides practical experience in fundamentals and team play.
Prerequisites: None.
Offered: Occasionally.

PE 103 | Disc Golf | 1 cr
Introduces the knowledge and skills needed to play disc golf including the rules for playing at a competitive level.
Prerequisites: None.
Offered: Occasionally.

PE 104 | Football | 1 cr
Provides experience in fundamentals of football and team play.
Prerequisites: None.
Offered: Occasionally.

PE 105 | Futsal | 1 cr
Introduces the knowledge and skills needed to play Futsal including the rules and skills necessary to play the game.
Prerequisites: None.
Offered: Occasionally.

PE 106 | Golf | 1 cr
Introduces fundamentals of golf: grip, stance, swing, rules and etiquette. Provides practice with all clubs emphasizing fundamental mechanics and the opportunity to develop skills on local golf courses.
Prerequisites: None.
Offered: Occasionally.

PE 107 | Pickleball | 1 cr
Introduces the knowledge and skills needed to play pickleball including the rules necessary to play singles and doubles.
Prerequisites: None.
Offered: Occasionally.

PE 108 | Recreation Games | 1 cr
Provides knowledge on how to play and organize a number of recreational games/activities. Covers rules and setting up the equipment for three-six different playground or backyard style games, including different ways to pick teams and set up multiple types of tournaments.
Prerequisites: None.
Offered: Occasionally.

PE 109 | Soccer | 1 cr
Provides practice with basic principles of soccer skills, team play and game situations.
Prerequisites: None.
Offered: Occasionally.

PE 110 | Softball | 1 cr
Covers fundamentals of softball including position play and offensive and defensive team play.
Prerequisites: None.
Offered: Occasionally.

PE 111 | Track and Field | 1 cr
Covers fundamentals of track and field events.
Prerequisites: None.
Offered: Occasionally.

PE 112 | Volleyball | 1 cr
Covers fundamentals of volleyball technique, elements of attack and defense, rules interpretation, game strategy, officiating and skill testing.
Prerequisites: None.
Offered: Occasionally.

PE 120 | Relaxation | 1 cr
Covers relaxation techniques including deep breathing, meditation, imagery and progressive relaxation. Provides tools to recognize stressors and their effects.
Prerequisites: None.
Offered: Occasionally.

PE 121 | Pilates and Fitness Yoga | 1 cr
Covers pilates using a series of floor exercises to increase strength, flexibility, balance, stamina, and concentration while focusing on your center or core. Explores fitness yoga as a program for a more powerful defined physique using traditional yoga asanas geared towards the athlete and fitness enthusiast.
Prerequisites: None.
Offered: Occasionally.

PE 122 | Yoga I | 1 cr
Covers various yoga disciplines emphasizing total health.
Prerequisites: None.
Offered: Occasionally.

PE 123 | Yoga II | 1 cr
Examines fundamental yoga philosophy through lecture physical exercises (asanas) involving both psychological and physiological processes. Provides opportunity to gain a deeper understanding of the principles of relaxation.
Prerequisites: PE 122 or consent of instructor.
Offered: Occasionally.

PE 124 | Aerobics | 1 cr
Focuses on aerobic dance, exercise theory and techniques.
Prerequisites: None.
Offered: Occasionally.

PE 125 | Step Aerobics | 1 cr
Introduces basic step aerobics fundamentals and medium impact levels of cardiovascular development.
Prerequisites: None.
Offered: Occasionally.

PE 126 | Total Body Conditioning | 1 cr
Provides an upbeat muscular endurance session using dumbbells, resistance bands, steps and exercise balls, focusing on the major muscle groups. Emphasizes physiological strength, balance, and flexibility.
Prerequisites: None.
Offered: Occasionally.

PE 130 | Karate I | 1 cr
Introduces fundamentals of basic karate techniques. Emphasizes proper overall organization of hand and foot techniques, stances, posture, and physical principles of power.
Prerequisites: None.
Offered: Occasionally.

PE 131 | Karate II | 1 cr
Provides intermediate study in the art of self-defense. Introduces defense against an assailant and concentrated study of prearranged formal exercises.
Prerequisites: PE 130 or consent of instructor.
Offered: Occasionally.

PE 132 | Karate III | 1 cr
Provides advanced study in the art of self-defense, including defense against attacks with a weapon and multiple assailants.
Prerequisites: PE 131 or consent of instructor.
Offered: Occasionally.

PE 133 | Self-Defense | 1 cr
Emphasizes simple, but effective techniques to survive an aggressive situation.
Prerequisites: None.
Offered: Occasionally.

PE 140 | Jogging for Fun and Fitness | 1 cr
Covers proper running techniques,setting up a personal fitness plan, assessing one's cardiovascular fitness, and safety issues related to running. May be repeated for a maximum of four credits.
Prerequisites: None.
Offered: Occasionally.

PE 141 | Aerobic Walking | 1 cr
Introduces and develops proper aerobic walking techniques and benefits of walking. May be repeated for a maximum of 4 credits.
Prerequisites: None.
Offered: Occasionally.

PE 150 | Weight Training | 1 cr
Introduces elementary weight training and a general program of the basic lifts, the muscle groups affected by these lifts, safety procedures and theory of weight training.
Prerequisites: None.
Offered: Occasionally.

PE 151 | Power Lifting | 1 cr
Explores the theory, knowledge and practical application of powerlifting and other power movements using techniques and progressions to achieve personal fitness goals.
Prerequisites: None.
Offered: Occasionally.

PE 152 | Kettlebell Conditioning | 1 cr
Introduces vigorous physical conditioning primarily utilizing kettlebells. Emphasizes exercises to enhance muscular strength, power, endurance and agility.
Offered: Occasionally.

PE 153 | Olympic-Style Weightlifting | 1 cr
Explores the theory, knowledge and practical experience of olympic weightlifting using advanced techniques and progressions to achieve personal fitness goals.
Prerequisites: None.
Offered: Occasionally.

PE 160 | Cross Training | 1 cr
Develops power and quickness for the athlete who participates in serious recreational leagues and amateur sports competition; combining plyometrics, agility and speed training.
Prerequisites: None.
Offered: Occasionally.

PE 161 | Speed, Power, and Agility Training | 1 cr
Examines the basics of speed, power, strength, plyometric and agility training. Develops techniques necessary for safety and reducing the risk of injury in creating a training program.
Prerequisites: None.
Offered: Occasionally.

PE 170 | Fitness for Life | 1 cr
Provides the opportunity for students to implement a personal fitness program using the Wellness and Strength/Conditioning Centers on campus. May be repeated for a maximum of 4 credits.
Prerequisites: HLTH 270.
Offered: Occasionally.

PE 174 | Ballet I | 1 cr
Introduces basic technique, terminology, and history of ballet. May be repeated for a maximum of three credits. Cross-listed with: THEA 174.
Prerequisites: Consent of instructor.
Offered: Occasionally.

PE 175 | Tap Dance I | 1 cr
Introduces fundamental skills of American tap dance through movement, choreography, and the examination of dance history. Cross-listed with: THEA 175.
Prerequisites: Consent of instructor.
Offered: Occasionally.

PE 176 | Jazz Dance I | 1 cr
Introduces concepts of jazz dance through movement, choreography, and history. May be repeated for a maximum of three credits. Cross-listed with: THEA 176.
Prerequisites: Consent of instructor.
Offered: Occasionally.

PE 177 | Musical Theatre Dance I | 1 cr
Explores the role of dance in musical theatre through both performance and research. May be repeated for a maximum of three credits. Cross-listed with: THEA 177.
Prerequisites: Consent of instructor.
Offered: Occasionally.

PE 178 | Modern Dance I | 1 cr
Introduces the fundamental skills of modern dance through movement, choreography, and the examination of dance history. May be repeated for a maximum of three credits. Cross-listed with: THEA 178.
Prerequisites: Consent of instructor.
Offered: Occasionally.

PE 179 | Hip-Hop Dance I | 1 cr
Introduces elements of hip-hop dance, including technique, movement, musical rhythm, tempo, and phrasing. May be repeated for a maximum of three credits. Cross-listed with: THEA 179.
Prerequisites: Consent of instructor.
Offered: Occasionally.

PE 180 | Zumba | 1 cr
Introduces the Zumba fitness program.
Prerequisites: None.
Offered: Occasionally.

PE 181 | Sports Games | 1 cr
Explores sports-focused e-sports games. Covers different games each semester. May be repeated for credit with a different topic for a maximum of 8 credits.
Prerequisites: None.
Offered: Yearly.

PE 182 | Tactical Games | 1 cr
Explores tactics-focused e-sports games. Covers different games each semester. May be repeated for credit with a different topic for a maximum of 8 credits.
Prerequisites: None.
Offered: Yearly.

PE 183 | Action Games | 1 cr
Explores action-focused e-sports games. Covers different games each semester. May be repeated for credit with a different topic for a maximum of 8 credits.
Prerequisites: None.
Offered: Yearly.

PE 190 | Special Topics in Physical Education Activity | 1 cr
Examines selected activity-related topics.
Prerequisites: None.
Offered: Occasionally.

PE 200 | Fundamentals of Coaching | 3 cr
Introduces general techniques and responsibilities necessary for success in athletic coaching.
Prerequisites: None.
Offered: Yearly.

PE 210 | Fundamentals of Sports Officiating | 3 cr
Introduces general techniques and responsibilities related to athletic officiating in a variety of sports.
Prerequisites: None.
Offered: Occasionally.

PE 274 | Ballet II | 1 cr
Emphasizes intermediate/advanced ballet technique and the application of movement principles essential to the training of the dancer. May be repeated for a maximum of three credits. Cross-listed with: THEA 274.
Prerequisites: Consent of instructor.
Offered: Occasionally.

PE 275 | Tap Dance II | 1 cr
Focuses on intermediate and advanced tap steps through exercises, choreography, and discussions. May be repeated for a maximum of three credits. Cross-listed with: THEA 275.
Prerequisites: Consent of instructor.
Offered: Occasionally.

PE 276 | Jazz Dance II | 1 cr
Focuses on advanced styles and techniques in jazz dance through movement and choreography. May be repeated for a maximum of three credits. Cross-listed with: THEA 276.
Prerequisites: Consent of instructor.
Offered: Occasionally.

PE 277 | Musical Theatre Dance II | 1 cr
Focuses on choreographed dance combinations from the musical theatre canon to prepare for professional auditions. May be repeated for a maximum of three credits. Cross-listed with: THEA 277.
Prerequisites: Consent of instructor.
Offered: Occasionally.

PE 278 | Modern Dance II | 1 cr
Introduces advanced skills of modern dance through movement and choreography, and examines dance history. May be repeated for a maximum of three credits. Cross-listed with: THEA 278.
Prerequisites: Consent of instructor.
Offered: Occasionally.

PE 279 | Hip-Hop Dance II | 1 cr
Focuses on advanced footwork, techniques, and combinations. Emphasizes both technical skills and the geo-political importance of hip-hop. May be repeated for a maximum of three credits. Cross-listed with: THEA 279.
Prerequisites: Consent of instructor.
Offered: Occasionally.

PE 301 | Sport Conditioning Practice Design | 3 cr
Explores aerobic and anaerobic conditioning principles and techniques for developing agility, strength, quickness. Includes practice design for peak performance and labs for basic resistance training, speed and agility techniques.
Prerequisites: None.
Offered: Yearly.

PE 305 | Coaching Individual and Team Sports | 3 cr
Explores techniques necessary to organize, administer, and teach both individual and team sports. Includes individual, small group, team, technical and tactical performance skills at various levels of competition.
Prerequisites: None.
Offered: Occasionally.

PE 315 | Adapted Physical Education | 3 cr
Provides knowledge related to handicapping conditions and their effects on motor development and the performance of motor activities. Includes types of conditions considered orthopedic handicaps, learning disabilities, cardio-respiratory disorders, behavioral disorders, sensory impairments, and other temporary and permanent handicapping conditions.
Prerequisites: None.
Offered: Yearly.

PE 325 | PE Methods and Curriculum Planning for Children | 3 cr
Covers how to develop competencies in teaching motor skills, social skills, and fitness through games, sports, and movement experiences. Includes organization of teaching units, classroom management, and selection of methods and materials for pre-school through middle school grade levels.
Prerequisites: None.
Offered: Yearly.

PE 335 | PE Methods and Curriculum Planning for Adolescents | 3 cr
Covers how to develop competencies in teaching motor skills, social skills, and fitness through games, sports, and movement experiences. Includes organization of teaching units, classroom management, and selection of methods and materials for secondary school.
Prerequisites: None.
Offered: Yearly.

PE 490 | Special Topics in Physical Education Activity | 1-3 cr
Examines advanced sport activity related topics.
Prerequisites: None.
Offered: Occasionally.

PE 491 | Varsity Field Experience | 1 cr
Provides the opportunity for advanced training through participation in the varsity athletic program. May be repeated for a maximum of four credits.
Prerequisites: Open to all students by tryout; consent of instructor.
Offered: Fall, Spring.

PE 493 | Coaching Practicum | 1 cr
Provides the opportunity to apply methods and techniques in the coaching profession. May be repeated for a maximum of four credits.
Prerequisites: PE 200; approval of advisor and department chair.
Offered: Yearly.

SPMT 100 | Introduction to Sport Management | 3 cr
Provides an overview of potential careers in the sports industries. Emphasizes skills and abilities needed to successfully obtain and retain a position within the sport field.
Prerequisites: None.
Offered: Yearly.

SPMT 110 | Current Issues in Sport Management | 3 cr
Addresses current issues, events, and headlines in sport management.
Prerequisites: None.
Offered: Yearly.

SPMT 190 | Special Topics in Sport Management | 1-3 cr
Examines selected topics in sport management.
Prerequisites: Varies by topic.
Offered: Occasionally.

SPMT 200 | Ethics and Issues in Sport Management | 3 cr
Explores ethical and behavioral issues as they relate to current issues and problems in sport management. Includes college, youth and professional sport, academic standards, eligibility criteria, sportsmanship, gamesmanship, gambling, diversity, media, athletes as role models, and solving ethical dilemmas confronting professionals in sport management.
Prerequisites: None.
Offered: Fall, Spring.
Meets: Social & Behavioral Science: HKSM, Social & Behavioral Science: HKSM, Social & Behavioral Science: HKSM, Social & Behavioral Science: HKSM, Social & Behavioral Science: HKSM

SPMT 210 | Sport in Society | 3 cr
Investigates past and present roles sport has played within our society including its impact on our educational system, the media, the family, and economic structures. Addresses heritage, social status, personality and race.
Prerequisites: None.
Offered: Fall, Spring.
Meets: Social & Behavioral Science: HKSM, Ethnic Diversity, Social & Behavioral Science: HKSM, Ethnic Diversity, Social & Behavioral Science: HKSM, Ethnic Diversity, Social & Behavioral Science: HKSM, Ethnic Diversity, Social & Behavioral Science: HKSM, Ethnic Diversity

SPMT 220 | Business of Minor League Baseball | 3 cr
Examines the business and governance structure of minor league baseball. Includes discussion on team ownership, market selection, hiring and human resource approaches, revenue generation and facility operations/expenses.
Prerequisites: None.
Offered: Spring (odd years).

SPMT 230 | History of Sport in the United States | 3 cr
Examines the development and transformation of sport from colonial times through the 21st century. Includes major sporting events and athletes that have helped to shape sport, how sport has intersected with other movements in society such as the civil rights and feminist movements, and, how societal shifts have impacted the trajectory of sport.
Prerequisites: None.
Offered: Occasionally.

SPMT 240 | Sports Marketing | 3 cr
Examines basic marketing concepts with application to sport organizations, including promotions and public relations, sponsorship, endorsements, consumer demographics, consumer behavior and market research.
Prerequisites: At least sophomore standing.
Offered: Yearly.

SPMT 241 | Personal Branding and NIL | 3 cr
Focuses on the understanding of the strategic public relations techniques specifically as they apply to personal brands. Covers the passage of laws and rules governing the ability of student athletes to monetize their name, image and likeness (NIL). Discusses how athletic departments and brands interact with student athletes relative to personal branding and marketing opportunities.
Prerequisites: None.
Offered: Occasionally.

SPMT 250 | Game Operations | 3 cr
Explores game-day operations for sporting events. Includes work at UW-Parkside Athletic events, and shadowing a professional sports team.
Prerequisites: None.
Offered: Occasionally.

SPMT 260 | Intramurals, Recreation and Youth Sports | 3 cr
Explores planning, development, and management of intramural, recreational, and youth sports, including best practices, indoor/outdoor recreation, and tournament scheduling.
Prerequisites: None.
Offered: Occasionally.

SPMT 280 | Sophomore Seminar in Sport Management | 1 cr
Provides opportunity for second-year students in the major to develop skills for both college and career success.
Prerequisites: SPMT 100, at least sophomore status.
Offered: Yearly.

SPMT 290 | Special Topics in Sport Management | 1-3 cr
Examines selected topics in sport management.
Prerequisites: Varies with topic.
Offered: Occasionally.

SPMT 300 | Legal Issues in Sport Management | 3 cr
Explains the basic legal system, terminology and principles as applied to sport management. Emphasizes identifying and analyzing legal issues, the ramification of those issues, and the means of limiting liability of sport organizations. Includes negligence, risk management, and contract law.
Prerequisites: Junior or senior standing.
Offered: Yearly.

SPMT 310 | Sports Industry Regulation | 3 cr
An in-depth study of how professional and amateur sports organizations are governed and regulated. Topics include collective bargaining, league constitutions, commissioner/president powers, agent regulation and facility regulation.
Prerequisites: Junior or senior.
Offered: Occasionally.

SPMT 315 | The Business of E-Sports | 3 cr
Explores the business of e-sports including industry governance/administration, revenue generation and facility operations & development. Multi-career cross-listing: MSSM 515.
Prerequisites: At least sophomore status.
Offered: Occasionally.

SPMT 339 | Sustainable Sport Management | 3 cr
Surveys sustainable business techniques employed by sports organizations in the areas of facility financing, facility development, marketing and event operations. Examines how sports organizations employ marketing techniques focused on and including sustainable/green concepts. Multi-career cross-listing: MSSM 539.
Prerequisites: Sophomore standing or above.
Offered: Spring (even years).

SPMT 360 | Sports Communication | 3 cr
Examines how sports organizations interact with the media and fans/customers through various forms of electronic and social media. Multi-career cross-listing: MSSM 560.
Prerequisites: At least sophomore standing.
Offered: Yearly.

SPMT 365 | Sports Broadcasting | 3 cr
Provides an overview of the basics of sports broadcasting including radio, television and streaming platforms. Includes examination of how individuals enter and operate in the industry and practical application of skills. Multi-career cross-listing: MSSM 565.
Prerequisites: At least sophomore status.
Offered: Occasionally.

SPMT 370 | Event Management | 3 cr
Covers the knowledge and skills necessary for event management through theoretical concepts and practical application. Includes planning, conducting, staffing, financing, and evaluating events. Encompasses development of medical emergency, evacuation, crowd control, registration and risk management plans. Community-based learning designation.
Prerequisites: Junior or senior standing.
Offered: Fall, Spring.
Meets: Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning

SPMT 380 | Facility Development and Management | 3 cr
Explores planning, development, and management of sport and fitness facilities including standard-setting, financial planning, architectural design, functional concerns, budget, and personnel management.
Prerequisites: Junior or senior standing.
Offered: Yearly.

SPMT 385 | Junior Seminar in Sport Management | 1 cr
Provides opportunity to develop problem solving and critical thinking skills in relation to a career in sport. Covers issues and potential solutions that may occur in sport careers.
Prerequisites: SPMT 280, minimum of junior standing.
Offered: Yearly.

SPMT 390 | Special Topics in Sport Management | 1-3 cr
Examines selected topics in sport management.
Prerequisites: Varies with topic.
Offered: Occasionally.

SPMT 400 | Sports Analytics | 3 cr
Examines the design, collection, analysis, and use of data to measure performance and make decisions in competitive sports. Reviews basic concepts and skills needed to develop and apply analytic skills to sport from different perspectives: coaching, management, business, media, etc. Multi-career cross-listing: MSSM 600.
Prerequisites: Junior or senior standing.
Offered: Yearly.

SPMT 420 | Sport Business and Finance | 3 cr
Explores theory and applications in the fundamental business practices to sport management. Covers revenue sources, budget development, ownership, taxation, financial analysis and economic impact studies.
Prerequisites: Junior or senior standing.
Offered: Fall.

SPMT 430 | Sport Sales and Customer Service | 3 cr
Explores basic sales and customer service concepts as applied to sports organizations. Includes sales techniques, prospect identification and customer service principles.
Prerequisites: At least sophomore standing.
Offered: Yearly.

SPMT 431 | Advanced Sport Sales Tickets and Premium Seating | 3 cr
Explores techniques employed by sport organizations to sell tickets. Covers how professional and amateur sport organizations retain and expand ticket sales on a consistent basis. Includes ticketing technology and ticket plans, as well as tactics for new sales, corporates sales, and retention.
Prerequisites: SPMT 430.
Offered: Yearly.

SPMT 432 | Advanced Sport Sales: Sponsorships and Corporate Inventory | 3 cr
Dives into the entire sponsorship process as it relates to athletics and commercial sport operations, including the creation, and application of sponsorships to specific scenarios.
Prerequisites: SPMT 430.
Offered: Yearly.

SPMT 435 | Athletic Fundraising | 3 cr
Examines the development of successful fundraising programs in interscholastic and intercollegiate athletic programs. Multi-career cross-listing: MSSM 635.
Prerequisites: Junior or senior standing.
Offered: Yearly.

SPMT 439 | Sport Sales Practicum | 3 cr
Provides opportunity to develop and apply professional skills through supervised work in the field of sport sales.
Prerequisites: SPMT 430, consent of instructor and department chair.
Offered: Occasionally.

SPMT 440 | Advanced Studies in Health and Sport Leadership | 3 cr
Addresses significant issues faced by industry leaders in health and sport industries and explores practical resolution approaches. Multi-career cross-listing: MSSM 640.
Prerequisites: Senior Standing; AHS or SPMT major.
Offered: Occasionally.

SPMT 480 | Senior Seminar in Sport Management | 3 cr
Provides capstone experience for sport management majors in their last year. Discusses current industry materials and topics. Includes an individual research project.
Prerequisites: Accepted into sport management major; senior standing, minimum 2.5 major GPA.
Offered: Fall, Spring.

SPMT 490 | Special Topics in Sport Management: | 1-3 cr
Examines selected topics in sport management.
Prerequisites: Varies with topic.
Offered: Occasionally.

SPMT 494 | Internship | 1-3 cr
Provides opportunity for practical application of the methods and techniques in various sports fields under supervisions of a SPMT faculty member. May be repeated for a maximum of 6 credits.
Prerequisites: Consent of instructor and department chair.
Offered: Fall, Spring, Summer.

SPMT 495 | Fieldwork in Sport Management | 1-12 cr
Provides supervised field-based sport management experience in the conditions, practices, and environmental settings appropriate for the field. Requires placement approval by SPMT faculty member. Must be completed in the student's last year of coursework.
Prerequisites: Accepted sport management major with a minimum major GPA of 2.5.
Offered: Fall, Spring, Summer.

SPMT 499 | Independent Study | 1-4 cr
Provides opportunity to conduct independent work under appropriate faculty supervision.
Prerequisites: Consent of instructor and department chair.
Offered: Fall, Spring, Summer.

Kinesiology & Sport Performance Major (BS)

Department website (https://www.uwp.edu/learn/programs/kinesiologyandsportperformance.cfm)

College: College of Natural & Health Sciences

A major in kinesiology and sport performance encompasses a wide variety of applied scientific disciplines in areas such as anatomy, biomechanics, physiology, motor behavior and skill acquisition, nutrition, psychology, injury prevention, and leadership and management. The study of these disciplines is integrated into the academic preparation of kinesiology professionals (e.g., strength and conditioning coaches or fitness and health specialists).

Program Learning Outcomes

1. Apply the knowledge of kinesiology & sport performance principles. Identify and explain the mechanisms underlying behavioral, biomechanical, physiological, and psychological changes that occur during after exercise and training. Analyze and assess human movement in a variety of levels and contexts. Develop and execute evidence-based assessments and programs regarding kinesiology & sport performance. Plan, implement, monitor and evaluate evidence-based performance or health-related physical exercise programs.
2. Demonstrate effective professional communication skills through a variety of mediums. Use professional oral and visual communication skills effectively when giving a presentation on a topic in the field of kinesiology and sport performance. Demonstrate effective writing skills regarding a kinesiology & sport performance problem or issue. Demonstrate competence with interpersonal communication in a situation related to kinesiology and sport performance. Demonstrate effective individual and group exercise leadership skills.
3. Appropriately apply scientific methods to the field of kinesiology & sport performance. Apply evidence-based decision-making in planning safe and effective exercise programming. Evaluate information and evidence related to kinesiology, sport, fitness and health practices.
4. Act as a socially responsible member of the kinesiology & sport performance profession. Develop personal and professional philosophies necessary to excel professionally. Use the various dimensions of diversity, ethics, and law for professional decision-making in relation to the industry. Appreciate the need and have the desire to seek the most current knowledge in the field.

Requirements for the Kinesiology & Sport Performance Major (BS)

- Earn a grade of C- or better in each of the classes utilized to complete the major; and
- Achieve a minimum overall 2.67 GPA in all courses utilized to complete the major

Code	Title	Credits
College of Natural and Health Sciences requirement		
New entering students, and transfer students with less than 30 college credits, choosing a major in the College of Natural and Health Sciences are required to take this course.		
UWP 101	First Year Seminar: Natural and Health Sciences	1
Required Core Courses		
Choose one Combination of Anatomy Courses (5, 7 or 10 credits)		*5-10*
KSP 110	Essentials of Human Anatomy and Physiology	
BIOS 105 & BIOS 106	Human Physiology and Anatomy I and Human Physiology and Anatomy II	
BIOS 300 & BIOS 341	Human Functional Anatomy and Mammalian Physiology	
Required Physical Education Courses		
PE 150	Weight Training	1
PE 161	Speed, Power, and Agility Training	1
Required Health Courses		
HLTH 250	First Aid and Safety	3
HLTH 270	Lifetime Wellness	3
HLTH 280	Nutrition for Wellness	3
Required Courses		
KSP 100	Introduction to Kinesiology and Sport Performance	1
KSP 306	Motor Learning and Development	3
KSP 310	Measurement and Evaluation in Sport and Exercise	3
KSP 320	Sport and Exercise Psychology	3
KSP 325	Exercise Leadership and Management	3
KSP 330	Sport and Exercise Biomechanics	4
KSP 340	Sport and Exercise Physiology	4
KSP 350	Research Methods in Kinesiology and Sport Performance	3
KSP 415	Scientific Principles of Human Performance	4
KSP 425	Program Design for Athletic Development and Training	3
KSP 480	Senior Seminar in Kinesiology and Sport Performance	1
KSP 498 (can be broken up into segments of 1, 2 or 3 credits)		3
KSP 498	Fieldwork in Kinesiology and Sport Performance	
Required Core Courses Subtotal		52-57
Elective Courses		
Select four courses:		11-12
KSP 300	Advanced Sport and Exercise Nutrition	
KSP 345	Prevention and Care of Athletic Injuries	
KSP 390	Special Topics in Kinesiology and Sport Performance	
KSP 410	Fitness Assessment and Exercise Prescription	
KSP 420	Advanced Sport Conditioning Techniques	
KSP 426	Functional Anatomy for Human Performance	
KSP 435	Kinesiology and Sport for Special Populations	
KSP 490	Special Topics in Kinesiology and Sport Performance	
SPMT 400	Sports Analytics	
Elective Courses Subtotal		11-12
Total Credits		**63-69**

General University Degree Requirements (Bachelor's Degree)

In addition to individual program requirements, students must also fulfill the following requirements:

Requirement	Credits
Skills	7-8
General Education	36
Foreign Language**	6-8
Ethnic Diversity	3
Total	52-55

** Transfer students in sustainable management, and health information management and technology collaborative, online degree-completion programs, the business management online degree-completion program, and the flexible option degree-completion program will be exempt from the university's foreign language requirement. See appropriate academic section for further information.

Skills Requirement (p. 13)

Code	Title	Credits
Reading and Writing		
ENGL 101	Composition and Reading	3
Computational Skills		
Select one of the following:		4-5
MATH 102	Quantitative Reasoning	
MATH 103	Elementary Statistics	
MATH 104	College Mathematics with Applications	
MATH 111	College Algebra I	
Total Credits		**7-8**

General Education (p. 13)

- General Education Course List (p. 157)

Foreign Language (p. 13)

Ethnic Diversity (p. 13)

Degree Requirements

Requirement	Credits
Minimum Total Credits	120
Upper Level Credits (300 level or above)	36
Residency	30

Cumulative Degree GPA: 2.0 minimum

Course	Title	Credits
Year 1		
Fall Semester		
UWP 101	First Year Seminar: Natural and Health Sciences	1
ENGL 100	Fundamentals of English	3
MATH 111	College Algebra I	5
KSP 100	Introduction to Kinesiology and Sport Performance	1
PE 150 or PE 161	Weight Training or Speed, Power, and Agility Training	1
HLTH 270	Lifetime Wellness	3
General Education (HU)		3
	Credits	**17**
Spring Semester		
ENGL 101	Composition and Reading	3
KSP 110	Essentials of Human Anatomy and Physiology	5
PE 161 or PE 150	Speed, Power, and Agility Training or Weight Training	1
HLTH 280	Nutrition for Wellness	3
General Education (HU)		3
	Credits	**15**
	Total Credits	**32**

Course	Title	Credits
Year 2		
Fall Semester		
KSP 306	Motor Learning and Development	3
General Education (HU)		3
General Education (SS)		3
General Education (SS)		3
General Elective		3
	Credits	**15**
Spring Semester		
KSP 330	Sport and Exercise Biomechanics	4
HLTH 250	First Aid and Safety	3
General Education (NS)		3
General Education (SS)		3
General Education (HU)		3
	Credits	**16**
	Total Credits	**31**

Course	Title	Credits
Year 3		
Fall Semester		
KSP 310	Measurement and Evaluation in Sport and Exercise	3
KSP 340	Sport and Exercise Physiology	4
KSP 320	Sport and Exercise Psychology	3
General Education (NS)		3
Introductory Language		4
	Credits	**17**
Spring Semester		
KSP 350	Research Methods in Kinesiology and Sport Performance	3
KSP 325	Exercise Leadership and Management	3
KSP Elective		3
KSP Elective		3
Introductory Language		4
	Credits	**16**
	Total Credits	**33**

Course	Title	Credits
Year 4		
Fall Semester		
KSP 415	Scientific Principles of Human Performance	4
KSP Elective		3
KSP Elective		3
General Education (NS)		3
	Credits	**13**
Spring Semester		
KSP 425	Program Design for Athletic Development and Training	3
KSP 480	Senior Seminar in Kinesiology and Sport Performance	1
KSP 498	Fieldwork in Kinesiology and Sport Performance	1-3
General Elective OR DV course (if needed)		3
General Elective		3
	Credits	**11-13**
	Total Credits	**24-26**

Sport Management Major (BS)

Department website (https://www.uwp.edu/learn/programs/sportmanagement.cfm)

College: College of Natural & Health Sciences

Program Learning Outcomes

1. Demonstrate effective communication skills through a variety of mediums. Students are able to use oral or visual communication for business purposes using professional communication styles. Students are able to use written communication for business purposes using professional communication styles. Students demonstrate an ability to use interpersonal and mass communication styles in sport business.
2. Collect and analyze information connected to the sports management discipline. Demonstrate an ability to use the fundamental principles of the sport management field, which include marketing, finance and law. Effectively apply technology to analyze and interpret data.
3. Demonstrate a proficiency in identifying and resolving problems. Students can identify and evaluate sport business concerns. Students can communicate how learned concepts affect business situations while providing a potential solution to any problem. Students can identify potential ethical dilemmas and be proactive in resolving them.
4. Function effectively in a manner similar to industry personnel. Students demonstrate the ability to make economic decisions to improve the business. Students use the various dimensions of diversity, ethics, and law for professional decision-making in relation to sport management.
5. Develop critical thinking skills through disciplined intellectual inquiry. Students are able to utilize strong logic in developing potential solutions to problems within professional and ethical standards. Students can recognize and analyze sport business issues through relevant literature.

Requirements for the Sport Management Major

Achieve a minimum 2.50 GPA in all courses used to complete the major.

Code	Title	Credits
College of Natural and Health Sciences Requirement		
New entering students, and transfer students with less than 30 college credits, choosing a major in the College of Natural and Health Sciences are required to take this course.		
UWP 101	First Year Seminar: Natural and Health Sciences	1
Core Courses		
COMM 105	Public Speaking for the 21st Century	3
SPMT 100	Introduction to Sport Management	3
SPMT 110	Current Issues in Sport Management	3
SPMT 200	Ethics and Issues in Sport Management	3
SPMT 240	Sports Marketing	3
SPMT 280	Sophomore Seminar in Sport Management	1
SPMT 300	Legal Issues in Sport Management	3
SPMT 385	Junior Seminar in Sport Management	1
SPMT 420	Sport Business and Finance	3
SPMT 430	Sport Sales and Customer Service	3
SPMT 480	Senior Seminar in Sport Management	3
SPMT 495 (can be broken up into segments of 1 to 12 credits)		12
SPMT 495	Fieldwork in Sport Management	
Core Courses Subtotal		42
Elective Courses		
Select 21 credits of the following:		21
ACCT 201	Financial Accounting	
ART 105	Introduction to Graphic Design	
ECON 305	Economics of Sports	
KSP 320	Sport and Exercise Psychology	
MGT 349	Organizational Behavior	
SPMT 210	Sport in Society	
SPMT 220	Business of Minor League Baseball	
SPMT 230	History of Sport in the United States	
SPMT 241	Personal Branding and NIL	
SPMT 250	Game Operations	
SPMT 260	Intramurals, Recreation and Youth Sports	
SPMT 290	Special Topics in Sport Management	
SPMT 315	The Business of E-Sports	
SPMT 339	Sustainable Sport Management	
SPMT 360	Sports Communication	
SPMT 365	Sports Broadcasting	
SPMT 370	Event Management	
SPMT 380	Facility Development and Management	
SPMT 390	Special Topics in Sport Management	
SPMT 400	Sports Analytics	
SPMT 410	Sports Governance and Administration	
SPMT 435	Athletic Fundraising	
SPMT 440	Advanced Studies in Health and Sport Leadership	
SPMT 490	Special Topics in Sport Management:	
SPMT 499	Independent Study	
Elective Courses Subtotal		21
Total Credits		**63**

General University Degree Requirements (Bachelor's Degree)

In addition to individual program requirements, students must also fulfill the following requirements:

Requirement	Credits
Skills	7-8
General Education	36
Foreign Language**	6-8
Ethnic Diversity	3
Total	52-55

** Transfer students in sustainable management, and health information management and technology collaborative, online degree-completion programs, the business management online degree-completion program, and the flexible option degree-completion program will be exempt from the university's foreign language requirement. See appropriate academic section for further information.

Skills Requirement (p. 13)

Code	Title	Credits
Reading and Writing		
ENGL 101	Composition and Reading	3
Computational Skills		
Select one of the following:		4-5
MATH 102	Quantitative Reasoning	
MATH 103	Elementary Statistics	
MATH 104	College Mathematics with Applications	
MATH 111	College Algebra I	
Total Credits		**7-8**

General Education (p. 13)

- General Education Course List (p. 157)

Foreign Language (p. 13)

Ethnic Diversity (p. 13)

Degree Requirements

Requirement	Credits
Minimum Total Credits	120
Upper Level Credits (300 level or above)	36
Residency	30

Cumulative Degree GPA: 2.0 minimum

Course	Title	Credits
Year 1		
Fall Semester		
UWP 101	First Year Seminar: Natural and Health Sciences	1
ENGL 100	Fundamentals of English	3
MATH 102 or MATH 104	Quantitative Reasoning or College Mathematics with Applications	4
SPMT 100	Introduction to Sport Management	3
General Education (SS)		3
	Credits	**14**

Spring Semester		
ENGL 101	Composition and Reading	3
COMM 105	Public Speaking for the 21st Century	3
SPMT 110	Current Issues in Sport Management	3
General Education (SS)		3
General Education (NS)		3
	Credits	**15**
	Total Credits	**29**

Course	Title	Credits
Year 2		
Fall Semester		
SPMT 200	Ethics and Issues in Sport Management	3
SPMT 280	Sophomore Seminar in Sport Management	1
General Education (SS)		3
General Education (NS)		3
Introductory Language		4
General Elective		1
	Credits	**15**
Spring Semester		
SPMT 240	Sports Marketing	3
SPMT Elective		3
General Education (HU)		3
General Education (NS)		3
Introductory Language		4
	Credits	**16**
	Total Credits	**31**

Course	Title	Credits
Year 3		
Fall Semester		
SPMT 430	Sport Sales and Customer Service	3
SPMT 495	Fieldwork in Sport Management	3
300/400 Level SPMT Elective		3
General Elective		3
General Education (HU)		3
	Credits	**15**
Spring Semester		
SPMT 300	Legal Issues in Sport Management	3
SPMT 495	Fieldwork in Sport Management	3
SPMT Elective		3
General Education (HU)		3
General Education (NS)		3
	Credits	**15**
	Total Credits	**30**

Course	Title	Credits
Year 4		
Fall Semester		
SPMT 420	Sport Business and Finance	3
SPMT 495	Fieldwork in Sport Management	3
300/400 Level SPMT Elective		3
SPMT Elective		3
General Elective		3
	Credits	**15**
Spring Semester		
SPMT 480	Senior Seminar in Sport Management	3
SPMT 495	Fieldwork in Sport Management	3
300/400 Level SPMT Elective		3
300/400 Level SPMT Elective		3
General Elective OR DV course (if needed)		3
	Credits	**15**
	Total Credits	**30**

Coaching Minor

Department website (https://www.uwp.edu/learn/programs/coachingminor.cfm)

College: College of Natural & Health Sciences

A minor in coaching allows students to learn key fundamental elements of the coaching profession in academic and practical settings. Program focal points include learning the physical and mental aspects of the profession, student-athlete safety and training concepts along with practice and game preparation.

Students who successfully complete the coaching minor requirements will meet Wisconsin Intercollegiate Athletic Association (WIAA) requirements for coaching. Students who successfully complete the coaching minor requirements will also meet Illinois High School Association (IHSA) course requirements for coaching but will also need to pass the Illinois By-Law Examination to be certified to coach in Illinois high schools.

Program Learning Outcomes

1. Allows students to learn key fundamental elements of the coaching profession in academic and practical settings.
2. Learning the physical and mental aspects of the profession.
3. Learning student-athlete safety techniques.
4. Learning training concepts along with practice and game preparation.

Requirements for the Coaching Minor

Achieve a minimum cumulative GPA of 2.50 including all courses used to complete the minor.

Code	Title	Credits
Required Courses		
HLTH 250	First Aid and Safety	3
PE 200	Fundamentals of Coaching	3
PE 301	Sport Conditioning Practice Design [1]	3
PE 305	Coaching Individual and Team Sports	3
PE 493	Coaching Practicum	1
KSP 320	Sport and Exercise Psychology	3
Elective Course		
Select two of the following:		6
HLTH 280	Nutrition for Wellness	
KSP 306	Motor Learning and Development	
KSP 345	Prevention and Care of Athletic Injuries	
PE 210	Fundamentals of Sports Officiating	
SPMT 200	Ethics and Issues in Sport Management	
SPMT 300	Legal Issues in Sport Management	
SPMT 380	Facility Development and Management	
SPMT 400	Sports Analytics	
Total Credits		**22**

[1] Students in the kinesiology and sport performance major may use the following courses to substitute for the PE 301 course requirement:

KSP 415, KSP 420 and KSP 425 (all three courses are needed for the substitution).

University Requirements for Minors

Course work in the minor must be completed with the minimum GPA as specified by the department or program under which the minor falls, usually a 2.00 on a 4.00 scale, but higher in some programs. Transfer students must attain the minimum specified GPA on a combination of transfer credits accepted toward the minor and credits attempted at UW-Parkside.

At least half of the course work required for a minor must be completed at UW-Parkside.

Kinesiology and Sport Performance Minor

Department website (https://www.uwp.edu/learn/programs/exercisescience.cfm)

College: College of Natural & Health Sciences

A minor in kinesiology and sport performance allows students to develop knowledge of the basics of the kinesiology and sport performance field including biomechanics and physiology.

1. Understand and apply scientific principles related to different areas of kinesiology and sport performance.
2. Promote and evaluate formation of health habits and implementation of safety procedures related to Kinesiology and sport performance for different populations.
3. Analyze and assess different human movement and performance domains of kinesiology and sport performance.
4. Plan, implement and evaluate teaching learning programs and prescription/training program related to kinesiology and sport performance.
5. Demonstrate professional communication skills related to kinesiology and sport performance.
6. Demonstrate effective critical thinking skills related to kinesiology, sport, fitness, and health practices.
7. Act as socially responsible professional in relation to the industry.

Program-Specific Policies

Students who earn a kinesiology and sport performance major cannot also receive a minor in kinesiology and sport performance. Students who wish to pursue the kinesiology and sport performance minor should utilize MATH 104 College Mathematics with Applications to satisfy the computational skill requirement.

Requirements for the Kinesiology and Sport Performance Minor

To receive the kinesiology and sport performance minor, students must complete the following:

- Earn a grade of C- or better in each of the courses used to complete the minor; and
- Achieve a minimum overall 2.67 GPA in all courses used to complete the minor.

Code	Title	Credits
Choose one Combination of Anatomy Courses (5, 7 or 10 credits)		**5-10**
KSP 110	Essentials of Human Anatomy and Physiology	
BIOS 105 & BIOS 106	Human Physiology and Anatomy I and Human Physiology and Anatomy II	
BIOS 300 & BIOS 341	Human Functional Anatomy and Mammalian Physiology	
Required Courses		
HLTH 280	Nutrition for Wellness	3
KSP 306	Motor Learning and Development	3
or KSP 320	Sport and Exercise Psychology	
KSP 330	Sport and Exercise Biomechanics	4
KSP 340	Sport and Exercise Physiology	4
Elective courses		**6**
KSP 300	Advanced Sport and Exercise Nutrition	
KSP 306	Motor Learning and Development [1]	
or KSP 320	Sport and Exercise Psychology	
KSP 410	Fitness Assessment and Exercise Prescription	
KSP 415	Scientific Principles of Human Performance	
KSP 426	Functional Anatomy for Human Performance	
KSP 435	Kinesiology and Sport for Special Populations	
Total Credits		**25-30**

[1] Whichever course is not used as the required course can be chosen as an elective.

University Requirements for Minors

Course work in the minor must be completed with the minimum GPA as specified by the department or program under which the minor falls, usually a 2.00 on a 4.00 scale, but higher in some programs. Transfer students must attain the minimum specified GPA on a combination of transfer credits accepted toward the minor and credits attempted at UW-Parkside.

At least half of the course work required for a minor must be completed at UW-Parkside.

Sport Management Minor

Department website (https://www.uwp.edu/learn/programs/sport-management.cfm)

College: College of Natural & Health Sciences

A minor in sport management allows students to acquire knowledge in a few key areas essential to operating a sports organization including ethics, law and revenue management.

Program Learning Outcomes

1. Demonstrate effective communication skills through a variety of mediums. Students are able to use oral or visual communication for business purposes using professional communication styles. Students are able to use written communication for business purposes using professional communication styles. Students demonstrate an ability to use interpersonal and mass communication styles in sport business.

2. Collect and analyze information connected to the sports management discipline. Demonstrate an ability to use the fundamental principles of the sport management field, which include marketing, finance and law. Effectively apply technology to analyze and interpret data.
3. Demonstrate a proficiency in identifying and resolving problems. Students can identify and evaluate sport business concerns. Students can communicate how learned concepts affect business situations while providing a potential solution to any problem. Students can identify potential ethical dilemmas and be proactive in resolving them.
4. Function effectively in a manner similar to industry personnel. Students demonstrate the ability to make economic decisions to improve the business. Students use the various dimensions of diversity, ethics, and law for professional decision-making in relation to sport management.
5. Develop critical thinking skills through disciplined intellectual inquiry. Students are able to utilize strong logic in developing potential solutions to problems within professional and ethical standards. Students can recognize and analyze sport business issues through relevant literature.

Program-Specific Policies

Students who earn a sport management major cannot also receive a minor in sport management.

Requirements for the Sport Management Minor

- Achieve a minimum 2.50 GPA in all courses used to complete the minor.

Code	Title	Credits
Required Courses		
SPMT 210	Sport in Society	3
SPMT 240	Sports Marketing	3
SPMT 300	Legal Issues in Sport Management	3
SPMT 420	Sport Business and Finance	3
Elective Courses		
Pre-approved SPMT 300-level or 400-level course work		6
Total Credits		**18**

University Requirements for Minors

Course work in the minor must be completed with the minimum GPA as specified by the department or program under which the minor falls, usually a 2.00 on a 4.00 scale, but higher in some programs. Transfer students must attain the minimum specified GPA on a combination of transfer credits accepted toward the minor and credits attempted at UW-Parkside.

At least half of the course work required for a minor must be completed at UW-Parkside.

Sport Sales Certificate

College: College of Natural & Health Sciences

The sport sales certificate combines class work with extensive experiential learning opportunities to position the student for success in sales careers throughout the sport industry. The certificate was developed with direct input from several sports organizations at various levels of sport who also directly contribute to the program through guest lectures, practice sessions, and practicum placements, both on- and off-site.

Program Learning Outcomes

1. Demonstrate effective communication skills through a variety of mediums: Students are able to use oral or visual communication for business purposes using professional communication styles. Students are able to use written communication for business purposes using professional communication styles. Students demonstrate an ability to use interpersonal and mass communication styles in sport business.
2. Collect and analyze information connected to the sports management discipline: Demonstrate an ability to use the fundamental principles of the sport management field, which include marketing, finance and law. Effectively apply technology to analyze and interpret data.
3. Demonstrate a proficiency in identifying and resolving problems: Students can identify and evaluate sport business concerns. Students can communicate how learned concepts affect business situations while providing a potential solution to any problem. Students can identify potential ethical dilemmas and be proactive in resolving them.
4. Function effectively in a manner similar to industry personnel: Students demonstrate the ability to make economic decisions to improve the business. Students use the various dimensions of diversity, ethics, and law for professional decision-making in relation to sport management.
5. Develop critical thinking skills through disciplined intellectual inquiry: Students are able to utilize strong logic in developing potential solutions to problems within professional and ethical standards. Students can recognize and analyze sport business issues through relevant literature.

Requirements for the Sport Sales Certificate

Students must maintain a minimum 2.50 GPA in all required courses to receive this certificate.

Code	Title	Credits
Required Courses		
SPMT 430	Sport Sales and Customer Service	3
SPMT 431	Advanced Sport Sales Tickets and Premium Seating	3
SPMT 432	Advanced Sport Sales: Sponsorships and Corporate Inventory	3
SPMT 435	Athletic Fundraising	3
SPMT 439	Sport Sales Practicum	3
Total Credits		**15**

University Requirements for Undergraduate Certificates

Course work in a certificate must be completed with a minimum 2.00 GPA. Departments or programs may require a higher GPA.

A minimum of 9 credits in a certificate program must be taken at UW-Parkside. Individual departments and programs may require more than 9 credits to be taken at UW-Parkside.

History

Department website (https://www.uwp.edu/learn/departments/history/)

College: College of Social Sciences & Professional Studies

Professional Accreditations or Memberships:

American Historical Association.

Student Organizations/Clubs:

History Club; Phi Alpha Theta, the National History Honor Society.

Career Possibilities:

The study of history prepares students for careers in teaching, research, archival work, corporate communications, public service, administration, law, journalism, marketing, editing and publishing, and any other field where the ability to read, write, think, analyze, synthesize, and interpret information is a prerequisite.

Department Overview

History is the intellectual discipline that describes, reconstructs, and interprets the human past in order to inform our sense of the present. It provides students with the skills and perspectives necessary to integrate a significant body of knowledge over time and across disciplinary lines, to think critically, and to assess the interaction between continuity and change. UW-Parkside's history faculty all hold doctorates from distinguished universities and are highly productive scholars as well as experienced, expert and well-regarded teachers. The history curriculum is a healthy blend of traditional and innovative courses and provides students with the opportunity for both breadth and depth of study.

Preparation for Graduate and Professional Programs

A major in history provides excellent preparation for the pursuit of advanced degrees in history, law, journalism, library science, and related professions. Students interested in pursuing graduate study in history are encouraged to join the History Club and Phi Alpha Theta and to take more than the minimally required number of credits for the major.

Internships

The internship, available under HIST 494 Internship in History, provides opportunities for research and administrative work at university and non-university agencies and offices, such as state, county and city historical societies and historical museums, galleries, archives, and so on. For-credit internship projects are agreed upon by the student, the instructor of record, and the site supervisor. Consult the department chair for further information. See catalog listing for HIST 494 Internship in History prerequisites.

Programs Offered

- History Major (BA) (p. 207)
- History Minor (p. 209)

Courses in History

HIST 101 | The United States: Origins to Reconstruction | 3 cr

Analyzes the social, economic, ethnic, cultural and political development of the United States from its Native American origins to the end of post-Civil War Reconstruction.
Prerequisites: None.
Offered: Fall, Spring.
Meets: Social & Behavioral Science: HIST, Social & Behavioral Science: HIST, Social & Behavioral Science: HIST, Social & Behavioral Science: HIST, Social & Behavioral Science: HIST

HIST 102 | The United States: Reconstruction to Recent Times | 3 cr

Analyzes the historical development of the United States from the end of Reconstruction to the recent past, with emphasis on the country's emergence as a modern industrial, society and a world power.
Prerequisites: None.
Offered: Fall, Spring, Summer.
Meets: Social & Behavioral Science: HIST, Social & Behavioral Science: HIST, Social & Behavioral Science: HIST, Social & Behavioral Science: HIST, Social & Behavioral Science: HIST

HIST 103 | History and Cultures of Modern Asia | 3 cr

Examines the social, cultural, historical, religious, economic, and political aspects of life in modern Asia, including China, India, Japan, Southeast Asia, and their neighboring countries.
Cross-listed with: INTS 103.
Prerequisites: None.
Offered: Fall.
Meets: Social & Behavioral Science: HIST, Social & Behavioral Science: HIST, Social & Behavioral Science: HIST, Social & Behavioral Science: HIST, Social & Behavioral Science: HIST

HIST 104 | Introduction to the Middle East | 3 cr

introduces the diverse peoples and cultures of the Middle East by discussing political and economic aspects of the region, as well as religious, societal, and cultural elements. Examines topics in twentieth-century history up to the present, such as political Islam, the causes and consequences of major wars, extremist groups, and US policy in the region. Discusses the family, religious practices, women's status, education, and other issues affecting peoples' lives today.
Prerequisites: None.
Offered: Spring (even years).

HIST 118 | Western Civilization I: From Antiquity to 1300 | 3 cr

Western civilization began with the written records of the Mesopotamians. It was shaped by the religious influences of the Egyptians and Hebrews, the democratic and legal ideas of the Greeks and Romans, the early conflicts between Christianity and Islam, and the birth of early Europe. This course examines the political, social, and cultural beginnings of the Western world, and how these developments continue to impact us today.
Prerequisites: None.
Offered: Fall.

HIST 119 | Western Civilization II: The Middle Ages to 1815 | 3 cr

Surveys the political, religious, social and cultural changes in Europe which gave rise to the modern world order.
Prerequisites: None.
Offered: Fall, Spring.
Meets: Social & Behavioral Science: HIST, Social & Behavioral Science: HIST, Social & Behavioral Science: HIST, Social & Behavioral Science: HIST, Social & Behavioral Science: HIST

HIST 120 | Western Civilization III: From 1815 to the Present | 3 cr
Post-Napoleonic Europe embodies notions of moral and social improvement, ideas that were compatible with industrialization, nationalism, and political change. The struggle for cultural dominance led to a scramble for colonization, tow global conflicts and the Cold War. This course examines the last two centuries of Western history, beginning with the idealism of the Congress of Vienna in 1815 to a more pragmatic modern day.
Prerequisites: None.
Offered: Fall.

HIST 126 | World History I: From Antiquity to 1300 | 3 cr
Explores the rise of ancient civilization in Mesopotamia, Egypt under the Pharaohs, China through the Song Dynasty, Japan, the Indus River Valley, Persia, and sub-Saharan Africa. Introduces the diverse peoples and cultures of the ancient through early medieval world by discussing political, economic, societal, and cultural transformations. Examines the origins of world religions and religious practices, the family, women¿s status, and other issues affecting peoples¿ lives in this period
Prerequisites: None.
Offered: Spring.

HIST 127 | World History II: From 1300 to 1800 | 3 cr
Surveys the rapid expansion of the Mongol Empire before and after Genghis Khan, the growth of the Ottoman Empire, China from the Song to the Qing dynasty, and the steady rise of European colonial power around the globe. Topics include the Black Death, the Spanish conquest of the Aztec world, and the Atlantic Slave Trade.
Prerequisites: None.
Offered: Occasionally.

HIST 128 | World History III: From 1800 to the Present | 3 cr
Considers the roles of empire, technology, and ideology in this era of rapid social change. Includes the Haitian Revolution, imperialism, the aftermath of decolonization in Africa, the World Wars, the Israeli-Palestinian Conflict, the Iranian Revolution, China from the Opium Wars to global power, and the progress made by women.
Prerequisites: None.
Offered: Fall, Spring.
Meets: Social & Behavioral Science: HIST, Social & Behavioral Science: HIST, Social & Behavioral Science: HIST, Social & Behavioral Science: HIST, Social & Behavioral Science: HIST

HIST 137 | Hispanic American History | 3 cr
Examines major themes of Hispanic American history including the political, social, economic, and cultural development of the Hispanic people in the U.S. from colonial times until the present.
Prerequisites: None.
Offered: Occasionally.

HIST 138 | African American History | 3 cr
Explores African American history from the late 19th century to the present when new leaders and organizations emerged as part of the effort to gain greater agency over their lives and futures in the U.S.
Prerequisites: Consent of instructor.
Offered: Summer.

HIST 139 | Native American History | 3 cr
Explores major themes of Native American history, beginning with the period before European contact and ending with tribal self-determination.
Prerequisites: Consent of instructor.
Offered: Summer.

HIST 180 | Popular Culture | 3 cr
History of different forms of popular cultural expression in music, literature, film, magazines, art, etc. Topics may vary for different Western and non-Western societies. May be repeated for credit with different topics.
Prerequisites: None.
Offered: Occasionally.

HIST 250 | Sources and Methods in History | 3 cr
Explores basics of historical methods in research and writing, mechanics of archival and library research in order to produce a final paper involving primary and secondary sources.
Prerequisites: At least two of the following with a C or better: HIST 101, HIST 102, HIST 118, HIST 119, HIST 120, HIST 126, HIST 127, HIST 128.
Offered: Fall.

HIST 260 | International Conflict | 3 cr
Focuses on the conflict generated by modernization, industrialization, the search for colonies and nationalism. Topics vary and course may be repeated for credit with different content. May repeat with different topic.
Prerequisites: ENGL 101 and one 100 level history course.
Offered: Occasionally.

HIST 268 | Introduction to Holocaust Studies | 3 cr
Examines historical, philosophical and other issues surrounding the Holocaust, using texts by those who experienced the Holocaust. Cross-listed with: ENGL 268.
Prerequisites: ENGL 101 with grade of C- or better; or consent of instructor.
Offered: Occasionally.

HIST 290 | Special Topics in History | 1-4 cr
Selected topics in history will be examined.
Prerequisites: ENGL 101 and one 100 level history course.
Offered: Occasionally.

HIST 302 | Race/Ethnicity: United States America 1890 to the Present | 3 cr
Examines the continuing evolution of the United States into "an American kaleidoscope" during the 20th century. Tests the various concepts and models of ethno-cultural interaction against the complexity and diversity of historical development during a century of rapid, massive change. Cross-listed with: ETHN 302.
Prerequisites: HIST 250 or consent of instructor.
Meets: Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity

HIST 307 | History of Wisconsin | 3 cr
Explores the transformation of Wisconsin from an agrarian territory to an urban, industrial, ethnically diverse state. Uses the facilities of the Area Research Center and the Wisconsin Historical Society. Emphasizes the distinctive value and challenges of studying state and local history.
Prerequisites: HIST 250 or consent of instructor.
Offered: Fall (even years).

HIST 315 | History of Modern Middle East | 3 cr
Examines the historical context of and underlying reasons for the challenges facing the Middle East today. Topics include Egypt from Muhammad Ali through the Arab Spring, Qajar Iran through the Islamic Republic, the Israeli-Palestinian Conflict, and Western interventions in the region, including the most recent U.S. wars.
Prerequisites: HIST 250 or consent of instructor.
Offered: Fall (even years).

HIST 318 | History of Islam | 3 cr
Examines the history of Islam from its origins in seventh-century Arabia to becoming the world's second largest religion today. Covers the life of Muhammad, the Sunni-Shi'a split; the major Islamic empires, Islamic modernists, Islamists, extremists and the status of women and gender debates in Islam.
Prerequisites: HIST 250 or consent of instructor.
Offered: Fall (odd years).

HIST 319 | Arab-Israeli Conflict | 3 cr
Explores the complexities of the Arab-Israeli Conflict, as well as the social histories of Palestinians and Israelis as real people with every day lives and concerns.
Prerequisites: HIST 250 or consent of instructor.
Offered: Spring (odd years).

HIST 324 | History of American Politics | 3 cr
Interdisciplinary course in the development of the American political system from colonial times to the present, utilizing concepts of political science and sociology. Emphasis on the causes and nature of political change.
Prerequisites: HIST 250 or consent of instructor.
Offered: Occasionally.

HIST 325 | Mayhem and the Metropolis | 3 cr
This course explores the rise and social development of selected large cities during the 19th and 20th centuries, with an emphasis on the crime, poverty, and social upheaval that resulted from their rapid growth. This is not a course on forensics or crime-solving, but rather a look at selected individuals and their offenses by examining the urban environment that helped create them.
Prerequisites: ENGL 101, any 100-level history course.
Offered: Fall (odd years).

HIST 326 | Age of Napoleon, 1770-1825 | 3 cr
Delves into the life and impact of Napoleon and the world in which he lived. Examines key events in early nineteenth-century Great Britain, Continental Europe, and the United States.
Prerequisites: ENGL 101, HIST 250.
Offered: Occasionally.

HIST 327 | History of Britain I: to 1603 | 3 cr
A survey of British social and political developments, beginning with the arrival of the Romans in 55 BC and continuing through to the death of Elizabeth I in 1603. While the primary emphasis wil be on England, the course will touch on all of the regions that form the United Kingdom.
Prerequisites: ENGL 101.
Offered: Fall.

HIST 328 | History of Britain II: 1603 to Present | 3 cr
This course continues the examination of British social and political developments, beginning with the Stuart Dynasty through to the ascension of Elizabeth II in 1953. Focus includes such topics as the English Civil War, the Industrial Revolution, Britian and Abolitionism, Colonialism, and the rise and fall of the British Empire.
Prerequisites: ENGL 101.
Offered: Fall.

HIST 330 | Evolution of Pre-Modern Russia | 3 cr
Describes Russia in the heyday of serfdom and discusses its responses to industrialization, intensified contact with the West, and demand for modernization through the revolutions of 1917.
Prerequisites: HIST 250 or consent of instructor.

HIST 331 | History of Russia, 1917 to the Present | 3 cr
Explores the modern political, cultural and economic systems created in Russia since 1917.
Prerequisites: HIST 250 or consent of instructor.
Offered: Fall.

HIST 335 | Native American History | 3 cr
An in-depth examination of the major themes of Native American history, beginning with the period before European contact and ending with the current emphasis on tribal self-determination. Topics to be discussed include the devastating effects of colonization on Native Americans, and the contradictory federal policies of removal, reservations, and allotment/assimilation.
Prerequisites: HIST 101, HIST 250; or consent of instructor.
Offered: Occasionally.
Meets: Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity

HIST 336 | Poverty in American History | 3 cr
Explores the problem of poverty in American history, emphasizing the experiences of poor Americans, the evolution of explanations of poverty, and how Americans have confronted the issue. Includes a community-based learning component.
Prerequisites: HIST 101 or HIST 102; and HIST 250.
Offered: Fall (even years).

HIST 337 | African-American History | 3 cr
Examines the experiences of African Americans from colonial times to the present, emphasizing their evolution as an ethnic group and their struggle for equality. Fulfills Ethnic Diversity requirement. Cross-listed with: ETHN 337.
Prerequisites: HIST 101 or HIST 102.
Offered: Fall (odd years).
Meets: Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity

HIST 339 | American Colonial History | 3 cr
An examination of the European exploration and colonization of North America, including interactions with native populations culminating with the American Revolution.
Prerequisites: HIST 101; HIST 250 or consent of instructor.
Offered: Occasionally.

HIST 340 | Early American Republic | 3 cr
Traces the political, cultural and social development of the United States form the American Revolution to the Antebellum period.
Prerequisites: HIST 101; HIST 250 or consent of instructor.

HIST 342 | The American Civil War | 3 cr
Examines the origins and outcomes of the United States bloodiest conflict, including slavery, westward expansion, and Reconstruction.
Prerequisites: HIST 250 or consent of instructor.

HIST 344 | Gilded Age and Progressive Era, 1877-1917 | 3 cr
Explores the emergence of the United States as a modern, urban, industrial, multiethnic world power between the end of Reconstruction and American entry into World War I. Stresses the many efforts to reform various aspects of life during the Populist and Progressive Eras.
Prerequisites: HIST 250.
Offered: Occasionally.

HIST 345 | America in Power and Peril 1917-1953 | 3 cr
Explores the nation's experience as an emergent global power along with the effects of waxing and waning domestic prosperity during the first half of the twentieth century; examines the challenges of urban.rural, racial/ethic, and gender divisions in the nation, along with the growth of American culture.
Prerequisites: HIST 250.
Offered: Fall (odd years).

HIST 346 | Recent America: 1953-Present | 3 cr
Examines the United States as superpower, the benefits and limits of postwar prosperity, the rights revolution, the era of cynicism and limits on government, the challenges and opportunities of multiculturalism, and the redefinition of the nation's role in the world.
Prerequisites: HIST 250.
Offered: Spring (even years).

HIST 347 | Topics in Latin American History | 3 cr
Focuses on specific countries or on particular aspects of Latin American development; for example, revolution and land reform. May be repeated for credit with different topics.
Prerequisites: HIST 250 or consent of instructor.
Offered: Occasionally.

HIST 362 | Topics in Nineteenth Century Europe | 3 cr
Topics include political and social revolutions; modernization and industrialization; nationalism, new cultural movements; the rise of modern ideologies; feminism and women's rights.
Prerequisites: HIST 120; and HIST 250 or consent of instructor.
Offered: Occasionally.

HIST 368 | Immigration and Race in Modern Europe | 3 cr
Covers migration both within and from outside Europe from the 19th Century to the present; government policies encouraging and discouraging immigration; ideas of race and racism; experiences of immigrants; and hybrid cultures resulting from immigration.
Prerequisites: HIST 120 or HIST 128 and HIST 250 or consent of instructor.
Offered: Occasionally.

HIST 390 | Special Topics in History | 1-4 cr
Selected topics in history will be examined.
Prerequisites: None.
Offered: Occasionally.

HIST 460 | International Conflict | 3 cr
Focuses on the conflict generated by modernization, industrialization, the search for colonies, and nationalism. Topics vary and course may be repeated for credit with different content. A research paper is required.
Prerequisites: HIST 250 or consent of instructor.
Offered: Occasionally.

HIST 468 | Holocaust Studies | 3 cr
Delves into various aspects of the Holocaust, such as literature of the Holocaust, film and the Holocaust, and literature of the Second Generation, etc. Cross-listed with: ENGL 468.
Prerequisites: ENGL 101 or consent of instructor.
Offered: Occasionally.

HIST 490 | Special Topics in History | 1-4 cr
Selected topics in history will be examined. Research paper required.
Prerequisites: HIST 250 or consent of instructor.
Offered: Occasionally.

HIST 494 | Internship in History | 1-6 cr
Provides opportunities for research and project-related work at university and non-university agencies and offices, such as the state and county historical societies and community organizations. A limited number of internships are available; thus the awarding of internships will be on a competitive basis. A maximum of three credits of internship work may be counted towards the major.
Prerequisites: HIST 250; 3.0 GPA in History, consent of instructor, department chair.
Offered: Fall, Spring, Summer.

HIST 495 | Senior Seminar | 3 cr

HIST 497 | History Capstone | 3 cr
Introduces historiography and important philosophical and ethical questions regarding the responsibilities of the historian. Provides students an opportunity to explore how students' skills are applicable to a range of professions.
Prerequisites: HIST 250.
Offered: Spring.

HIST 499 | Independent Study | 1-6 cr
Independent study is designed to enable students to pursue an interest or area in history not served be existing departmental offerings. Maximum of three credits may count towards the major.
Prerequisites: Completion of a minimum of 21 credits in History, including HIST 250; 3.3 GPA in History; consent of instructor, department chair.
Offered: Fall, Spring.

History Major (BA)

Department website (https://www.uwp.edu/learn/programs/historymajor.cfm)

College: College of Social Sciences & Professional Studies

1. Master a rich body of historical knowledge. Students will learn to recognize, understand, discuss, and debate key historical events, issues, and ideas.
2. Become skilled researchers. Students will learn to locate and work with a wide variety of historical sources and source-formats, including online resource databases and digital media, and to analyze them in support of their own claims about the past.
3. Become critical, analytical readers. Students will learn to read historical sources and digest their meanings, themes, arguments, and conclusions, and to recognize subjective challenges present in those sources, such as bias and ambiguity.
4. Become skilled writers and communicators. Students will learn to write about and discuss their findings and claims clearly, concisely, and effectively, and to document their claims and sources accurately with correct scholarly apparatus.
5. Become critical, global thinkers. Students will learn to understand and to articulate the value of ethnic and cultural diversity to the study of History and the important perspectives that they provide.

Requirements for the History Major

At least 15 credits of upper-level courses in the major must be completed at UW-Parkside.

Code	Title	Credits
Required Courses		
HIST 101	The United States: Origins to Reconstruction	3

HIST 102	The United States: Reconstruction to Recent Times	3
HIST 118	Western Civilization I: From Antiquity to 1300	3
or HIST 126	World History I: From Antiquity to 1300	
HIST 119	Western Civilization II: The Middle Ages to 1815	3
or HIST 127	World History II: From 1300 to 1800	
HIST 120	Western Civilization III: From 1815 to the Present	3
or HIST 128	World History III: From 1800 to the Present	
HIST 250	Sources and Methods in History	3
HIST 497	History Capstone	3
Required Courses Subtotal		21
Elective Courses		
Select twelve credits of 300-400 level HIST courses		12
Select one 300-400 level non-Western area e.g. Africa, Asia, Middle East HIST course		3
Select one any level HIST course		3
Elective Courses Subtotal		18
Total Credits		**39**

General University Degree Requirements (Bachelor's Degree)

In addition to individual program requirements, students must also fulfill the following requirements:

Requirement	Credits
Skills	7-8
General Education	36
Foreign Language**	6-8
Ethnic Diversity	3
Total	52-55

** Transfer students in sustainable management, and health information management and technology collaborative, online degree-completion programs, the business management online degree-completion program, and the flexible option degree-completion program will be exempt from the university's foreign language requirement. See appropriate academic section for further information.

Skills Requirement (p. 13)

Code	Title	Credits
Reading and Writing		
ENGL 101	Composition and Reading	3
Computational Skills		
Select one of the following:		4-5
MATH 102	Quantitative Reasoning	
MATH 103	Elementary Statistics	
MATH 104	College Mathematics with Applications	
MATH 111	College Algebra I	
Total Credits		**7-8**

General Education (p. 13)

- General Education Course List (p. 157)

Foreign Language (p. 13)

Ethnic Diversity (p. 13)

Degree Requirements

Requirement	Credits
Minimum Total Credits	120
Upper Level Credits (300 level or above)	36
Residency	30

Cumulative Degree GPA: 2.0 minimum

Course	Title	Credits
Year 1		
Fall Semester		
MATH 102	Quantitative Reasoning	4
ENGL 100	Fundamentals of English	3
HIST 101	The United States: Origins to Reconstruction	3
Introductory Language		4
General Education (HU)		3
	Credits	**17**
Spring Semester		
ENGL 101	Composition and Reading	3
HIST 102	The United States: Reconstruction to Recent Times	3
HIST 120 or HIST 128	Western Civilization III: From 1815 to the Present or World History III: From 1800 to the Present	3
General Education (NS)		3
Introductory Language		4
	Credits	**16**
	Total Credits	**33**

Course	Title	Credits
Year 2		
HIST 118 or HIST 126	Western Civilization I: From Antiquity to 1300 or World History I: From Antiquity to 1300	3
HIST 250	Sources and Methods in History	3
General Education (HU)		3
General Education (NS)		3
General Education (SS)		3
	Credits	**15**
Spring Semester		
HIST 119 or HIST 127	Western Civilization II: The Middle Ages to 1815 or World History II: From 1300 to 1800	3
General Education (HU)		3
General Education (SS)		3
General Education (NS)		3
General Education (NS)		3
	Credits	**15**
	Total Credits	**30**

Course	Title	Credits
Year 3		
Fall Semester		
HIST 300/400 Level Elective		3
HIST 300/400 Level Elective		3
HIST 300/400 Level Elective		3
General Education (HU)		3
General Elective		3
	Credits	**15**
Spring Semester		
HIST Elective		3
HIST 300/400 Level Elective		3
HIST 300/400 Level Elective		3

300/400 Level General Elective		3
General Elective		3
	Credits	**15**
	Total Credits	**30**

Course	**Title**	**Credits**
Year 4		
Fall Semester		
300/400 Level General Elective		3
300/400 Level General Elective		3
300/400 Level General Elective		3
General Elective		3
General Elective		3
	Credits	**15**
Spring Semester		
HIST 497	History Capstone	3
300/400 Level General Elective		3
300/400 Level General Elective		3
General Elective		3
General Elective		3
	Credits	**15**
	Total Credits	**30**

History Minor

Department website (https://www.uwp.edu/learn/programs/historyminor.cfm)

College: College of Social Sciences & Professional Studies

Requirements for the History Minor

Code	**Title**	**Credits**
Required Courses		
Select two of the following:		6
HIST 101	The United States: Origins to Reconstruction	
HIST 102	The United States: Reconstruction to Recent Times	
HIST 118	Western Civilization I: From Antiquity to 1300	
HIST 119	Western Civilization II: The Middle Ages to 1815	
HIST 120	Western Civilization III: From 1815 to the Present	
HIST 126	World History I: From Antiquity to 1300	
HIST 127	World History II: From 1300 to 1800	
HIST 128	World History III: From 1800 to the Present	
Required Course		
HIST 250	Sources and Methods in History	3
Elective Courses		
Select two 300-400 level HIST courses		6
Select one 200 level or above HIST course		3
Total Credits		**18**

University Requirements for Minors

Course work in the minor must be completed with the minimum GPA as specified by the department or program under which the minor falls, usually a 2.00 on a 4.00 scale, but higher in some programs. Transfer students must attain the minimum specified GPA on a combination of transfer credits accepted toward the minor and credits attempted at UW-Parkside.

At least half of the course work required for a minor must be completed at UW-Parkside.

International Studies

Department website (https://www.uwp.edu/learn/departments/internationalstudies/)

College: College of Social Sciences & Professional Studies

Steering Committee

The Steering Committee serves as the executive decision-making body for the Center for International Studies, which offers all academic programs under International Studies. Chaired by the director, the Steering Committee includes faculty members from various colleges. Although membership may change (always check with the professor or the Office), it is currently composed of:

•Prof. Simon Adetona Akindes (Director, Politics, Philosophy and Law)
•Prof. Sahar Bahmani (Business)
•Dr. Madhumita Banerjee (Sociology)
•Dr. Elizabeth Brownson (History)
•Prof. Seif Dana (Sociology)
•Dr. Kathleen Gillogly (Anthropology, Geography)
•Dr. Michael Hansen (Politics, Philosophy and Law)
•Elaine Isaacson Philippa (International Student Services/Study Abroad

Curriculum

The International Studies Program offers a reflective and critical approach to understanding international issues and global processes. We provide students with enriching learning experiences that range from student-centered teaching, study abroad, internships and other high impact practices such as capstone projects, service learning, e-portfolios, collaborative projects.

Career Paths

Led by the Center for International Studies Steering Committee, the International Studies Program provides an excellent preparation for students interested in a wide variety of professional careers and positions in private businesses, government agencies, higher education, non-governmental organizations, international foundations, or any institution that operates nationally or/and outside the USA.

Program Overview

The International Studies Program combines courses from various departments to create a broad and rich interdisciplinary program, with a flexible curriculum that emphasizes the knowledge, analytical and critical skills, dispositions, and cultural competencies needed to understand and navigate our contemporary changing world. The program offers a major and a minor in international studies, and a Global Skills certificate. Students can choose their paths within the options available. In collaboration with their advisors, they may also tailor a path of study that suits their own particular interests or career goals. For such a personal design, early decisions and actions are recommended.

We encourage students to pursue a double major and we support them. This is entirely feasible without adding to costs and time. Early decision and consultation with all advisors are vital to embark upon this path

Preparation for Graduate and Professional Programs

The International Studies major provides excellent preparation for individuals interested in international careers, law, business, foreign service, non-profit organizations, advocacy groups, foundations and many more. It also prepares students to work abroad, and for graduate studies in fields such as international relations, development studies, area/regional studies, public policy, international education, journalism or intercultural communication, and many other fields of study and practice.

Internships and Research Fellowships

International Studies arranges for internships and service learning opportunities in both domestic and international contexts. Summer research fellowships may be available through the program on a competitive basis. The program has also developed internships to prepare students for professional careers in international education through administrative experience in study abroad and international student services.

Study Abroad

The International Studies Program recognizes that studying, working, traveling and doing an internship abroad are excellent complements to the major, minor or our Global Skills certificate. Such experiences can be rewarding and life-changing experiences. Incorporating study abroad into a student's college experience enhances the value of any academic program and the value of the graduate on the job market. UW-Parkside faculty-led programs, UW-System study abroad programs, and affiliated study abroad programs, once approved, can count toward elective credits in the international studies major. Study abroad programs are coordinated and arranged by the International Student Services directed by Laine Philippa. They can be week-, semester-, or year-long programs. We encourage students to reach out to the Chair of the Center for International Studies to explore the possibility of crediting work and long stays abroad.

Program Level Outcomes

Learning Goals:

Students will be able to:

1. Explain the world beyond their borders through interdisciplinary frameworks; (KNOWLEDGE)
2. Articulate how interconnected the world is; (KNOWLEDGE)
3. Demonstrate skills necessary to navigate cultural and national differences from various perspectives; (SKILLS)
4. Demonstrate dispositions of understanding, solidarity, mutuality and empathy towards people whose experiences and lives are different from theirs. (ATTITUDES)

Programs Offered

- International Studies Major (BA) (p. 211)
- International Studies Minor (p. 214)
- Global Skills Certificate (p. 216)

Courses in International Studies

INTS 100 | Introduction to International Studies | 3 cr

Examines the international impact on the state, community and individual levels of human experience. Includes developing practical orientations toward the international experience, such as language and cultural appreciation, social and political tolerance, and environmental adaptation.
Prerequisites: None.
Meets: Social & Behavioral Science: INTS, Social & Behavioral Science: INTS, Social & Behavioral Science: INTS, Social & Behavioral Science: INTS, Social & Behavioral Science: INTS

INTS 103 | History and Cultures of Modern Asia | 3 cr

Examines the social, cultural, historical, religious, economic, and political aspects of life in modern Asia, including China, India, Japan, Southeast Asia, and their neighboring countries. Cross-listed with: HIST 103.
Prerequisites: None.
Offered: Fall.

INTS 110 | Introduction to American Culture | 3 cr

Explores cultural and communication patterns in American society, for international students who speak English as a second language.
Prerequisites: None.
Offered: Occasionally.

INTS 210 | Cultural Anthropology | 3 cr

Introduces cross-cultural analysis of social structures and cultural systems, as well as changes due to economic, political and cultural globalization. Cross-listed with: ANTH 200.
Prerequisites: None.
Offered: Fall.
Meets: Social & Behavioral Science: INTS, Social & Behavioral Science: INTS, Social & Behavioral Science: INTS, Social & Behavioral Science: INTS, Social & Behavioral Science: INTS

INTS 228 | Peoples of Southeast Asia | 3 cr

Introduces the peoples and culture of Southeast Asia, including the mainland and islands; focuses on cultures, history, socioeconomic conditions, and the everyday life of people. Cross-listed with: ANTH 228.
Prerequisites: ANTH 100 or GEOG 105 or INTS 100.
Offered: Spring.
Meets: Social & Behavioral Science: INTS, Social & Behavioral Science: INTS, Social & Behavioral Science: INTS, Social & Behavioral Science: INTS, Social & Behavioral Science: INTS

INTS 290 | Special Topics in International Studies | 1-3 cr

Subject matter is topical. Subject varies; see current course schedule.
Prerequisites: Consent of instructor.
Offered: Occasionally.

INTS 307 | Practicum: Global Skills in Culture and Language | 2 cr

Introduces students to a diversity of cultures and knowledge systems, focusing on cultural sensitivity needed to communicate, travel, and work across the world. Incorporates critical reflections on cross-cultural practices and practical solutions to global challenges.
Prerequisites: None.
Offered: Yearly.

INTS 308 | Practicum: Global Skills in Political and Economic Systems | 2 cr

Examines the practical impact of political and economic systems and institutions on the wealth and poverty of nations, as well as power and structural shifts. Includes economic development, international business, foreign investment and trade, debt and democracy.
Prerequisites: None.
Offered: Yearly.

INTS 390 | Special Topics in International Studies | 1-3 cr

Selected topics in international studies are examined. Subject varies; see current course schedule.
Prerequisites: Consent of Instructor.
Offered: Occasionally.

INTS 400 | Non UW-P Study Abroad | 0 cr

This course allows students to retain their good standing at UW-Parkside while they participate in non-UW-P academic study abroad programs. Graded Credit/No Credit.
Prerequisites: Enrollment in approved Study Abroad program; consent of International Studies Director.
Offered: Fall, Spring.

INTS 401 | Exchange Agreement Study Abroad | 0 cr

Provides a placeholder allowing students to retain their good standing at UW-Parkside while participation in an exchange agreement study abroad program. Graded Credit/No Credit.
Prerequisites: Enrollment in approved semester exchange agreement program; consent of Director.
Offered: Fall, Spring, Summer.

INTS 405 | Internship in International Education Services | 1-3 cr

The internship will provide an opportunity for students to apply their international education knowledge in an experiential learning environment to gain experience in the professional world in two areas of international education: International student Services and Study Abroad. Intended for students seeking an international experience in Higher Education or in other international education organizations. Consent of instructor and program director.
Prerequisites: Junior, major/minor in International Studies.
Offered: Spring.

INTS 490 | Special Topics in International Studies | 1-4 cr

Selected topics in international studies are examined. Subject varies; see current course schedule.
Prerequisites: Instructor consent.
Offered: Occasionally.

INTS 494 | Internship in International Studies | 1-3 cr

Enables a student's paid or unpaid employment in an international context to count towards their academic program, and gives the an opportunity to reflect on the connection between their academic learning and the workplace. Does not provide credit specifically toward the international studies major, but does count for credit toward overall degree requirements.
Prerequisites: Junior or senior standing; consent of program director.
Offered: Fall, Spring, Summer.

INTS 495 | Senior Seminar in International Studies | 3 cr

The senior seminar is the capstone course in the major and is required of all majors and minors. Students are expected to integrate the material studied in the major, and especially in their selected option. Students carry out an independent research project leading to a formal research paper and presentation.
Prerequisites: Completion of major or minor requirements or consent of instructor and program director.
Offered: Yearly.

INTS 499 | Independent Study | 1-4 cr

Available to qualified students under supervision of instructor. Topic must be mutually agreed upon between professor and student.
Prerequisites: Consent of instructor and program director.
Offered: Fall, Spring, Summer.

International Studies Major (BA)

Department website (https://www.uwp.edu/learn/programs/internationalstudiesmajor.cfm)

College: College of Social Sciences & Professional Studies

Study Abroad Recommended for International Studies Majors

Study abroad or any other experiential learning activity in International Studies is strongly recommended. **Each student planning to major in International Studies must consult regularly with an International Studies faculty adviser and the College of Social Sciences and Professional Studies adviser to schedule a coherent program consonant with their experiences and interests.** This is important when selecting elective course options. Students are cautioned to match prerequisite classes with higher level classes within the major.

Foreign Languages

Although International Studies does not have a language requirement, faculty members strongly encourage students to gain additional language competence beyond the introductory level required for graduation. This is critical for students who choose elective course option C (Comparative Cultures and Societies) and for those who are planning to go and work abroad.

Experiential Learning Activities

All majors in International Studies are strongly encouraged to participate in experiential learning programs. This may be accomplished through study abroad, participation in short-term faculty-led study tours, semester or year-long study abroad, working with international students on campus, especially the Parkside International Club or the International Studies Club, or working/ volunteering with an international agency or a non-governmental organization in the international arena.

Program Learning Outcomes

1. Explain the world beyond their borders through interdisciplinary frameworks; (KNOWLEDGE)
2. Articulate how interconnected the world is; (KNOWLEDGE)
3. Demonstrate skills necessary to navigate cultural and national differences from various perspectives; (SKILLS)
4. Demonstrate dispositions of understanding, solidarity, mutuality and empathy towards people whose experiences and lives are different from theirs. (ATTITUDES)

Learning Outcomes:
Upon completion of the major, International Studies students will be able to will be able to:

- Identify major issues facing various parts of the world and understanding how connected they are. (Learning Goal 1).
  - Students will be able to:
    - articulate processes
    - identify global trends in various areas
    - analyze the modes of connectivity between social, political and economic systems
    - discern how cultural traits of different societies have historically borrowed from each other
- Collect and use data to effectively analyze and interpret international issues, using concepts and methods from different disciplines (Goals 2,3)
  - Students will be able to collect primary source data and information about:
    - International agencies
    - Governments
    - Non-Governmental Organizations (NGOS)
    - International issues, from critical and reflective perspectives. (Goal 2)
- Demonstrate effective written and verbal communication skills
  - Students will be able to:
    - Write all forms of text (papers, reports, press releases, etc.
    - Make effective oral presentations (including digital ones)
- Engage in multiple intellectually challenging and practical international activities and experiences.
  - Students will be able to:
    - Create and participate in on and off-campus fora, discussion and activities of an international nature
    - Cultivate tolerance and togetherness through practical interactions on and off campus
    - Reflect on how their national and cultural identities have been shaped and are fluid. (Goal 3)

Requirements for the International Studies Major

Students majoring in International Studies must complete a total of 42 credits of which 12 credits are introductory or pre-requisite courses. For core and elective courses, please note that every semester, the list is updated, posted on International Studies' website (https://www.uwp.edu/learn/departments/internationalstudies/) and sent to majors and minors. You may request a list of options from the Office of the Center for International Studies (Molinaro 379) as soon as registration starts for the following semester.

Introductory courses are required of all majors and provide students with the introductory background knowledge for the wide range of disciplinary perspectives that comprise the International Studies Program. In some cases, these courses are required for upper-level work in a discipline that is related to International Studies. Many of these courses also fulfill university general education requirements.

Core courses provide the broad comparative and global perspective and theoretical background essential to an international studies major.

Senior Seminar is required for all majors in International Studies, except for those doing a double major who could take it in the other discipline. This capstone course is offered in Spring. Students should take it in their senior year or the Spring before intended graduation (if in December). Students are expected to carry out an original research paper, a professional practical project or a program (International Studies) portfolio that caps their studies, especially in the elective option they have selected. The research methods course must be completed prior to taking the Senior Seminar so that students are appropriately equipped to carry out the research required for their senior project. Please, consult with your adviser regarding an appropriate research methods course for your particular option or research project interest soon after declaring your major.

If you are seeking a double major, you must have consulted with your adviser in the other discipline about focusing your Senior Seminar on an international issue or project. Their consent is important to double majoring. Those majoring in Political Science and International Studies take the same capstone course.

Code	Title	Credits
Introductory/Foundation Courses		
Required Course		
INTS 100	Introduction to International Studies	3
Elective Courses		
Select one course from three different groups [1]		9
Group I		
ECON 120	Principles of Microeconomics	
ECON 121	Principles of Macroeconomics	
POLS 103	Introduction to Comparative Politics	
POLS 104	Introduction to International Relations	
Group II		
ENVS 101	Introduction to Environmental Studies	
ENVS 109	Fundamentals of Climate Change	
GEOG 105	Contemporary Human Geography	
GEOG 108	Culture and Environmental Sustainability	
GEOG 110	Introduction to Geography: World Regions	
Group III		
HIST 118	Western Civilization I: From Antiquity to 1300	
HIST 126	World History I: From Antiquity to 1300	
HIST 128	World History III: From 1800 to the Present	
Group IV		
ART 125	Survey of World Art	
ENGL 112	Women In Literature	
LBST 101	Beauty, Bewilderment, and Love: The Humanities through 1500	
LBST 102	Independence and Mystery: The Humanities from 1500 to the Present	
MODL 191	Culture of Food: The French Case From Croissants to Champagne	
MUSI 100	Appreciation of World Music	
Group V		
ANTH 100	Introduction to Anthropology	
HIST/INTS 103	History and Cultures of Modern Asia	
HIST 104	Introduction to the Middle East	
SOCA 101	Introduction to Sociology	
Introductory/Foundation Courses Subtotal		12
Core Courses		

Group One: Methods Course [2]		
Select one of the following:		3-4
ANTH 300	Topics in Data Collection and Analysis:	
CRMJ 200	Criminal Justice Research Methods	
ENGL 266	Literary Analysis	
HIST 250	Sources and Methods in History	
POLS 200	Research Methods and Sources	
PSYC 300	Research Methods in Psychology	
QM 210	Business Statistics I	
SOCA 250	Statistics for the Social Sciences	
SOCA 295	Social Science Research Methods	
SOCA 303	Program Evaluation	
SOCA 307	Survey Methods	
Group Two: Core Elective Courses		
Select twelve credits with a maximum of two courses from any one department [3]		12
Anthropology		
ANTH 200/ INTS 210	Cultural Anthropology	
ANTH/INTS 228	Peoples of Southeast Asia	
ANTH 312	Anthropology of Language	
ANTH 357	Livelihoods, Exchange, and Globalization	
ANTH 362	Migration and Immigration	
ANTH 382	Environmental Anthropology	
ANTH/SOCA 455	International Development and Change	
Business		
BUS 271	Business Communication for International Students	
Communication		
COMM 460	Global Media	
Criminal Justice		
CRMJ 325	Restorative Justice	
CRMJ 372	Violence	
CRMJ 388	Comparative and International Criminal Justice Systems	
Economics		
ECON 308	Economic Development	
ECON 402	International Economics	
English		
ENGL 319	Modern and Contemporary British Literature	
ENGL 346	Pre-1800 World Literature	
ENGL 347	Post-1800 World Literature	
ENGL 358	Film Genres	
Finance		
FIN 336	Management of Financial Institutions	
FIN 437	International Financial Management	
French		
FREN 318	French Civilization and Culture	
FREN 494	Fieldwork in French	
History		
HIST 315	History of Modern Middle East	
HIST 318	History of Islam	
HIST 319	Arab-Israeli Conflict	
HIST 328	History of Britain II: 1603 to Present	
International Studies		
INTS 307	Practicum: Global Skills in Culture and Language	
INTS 308	Practicum: Global Skills in Political and Economic Systems	
Management		
MGT 446	Global Management	
Marketing		
MKT 356	Global Marketing	
Modern Languages		
MODL 319	Paris: The City and the People (in English)	
MODL 347	Post-1800 World Literature (Same As ENGL 347)	
Music		
MUSI 332	World Music	
Political Science		
POLS 330	European Politics	
POLS 331	The Politics of Developing Nations	
POLS 335	Popular Music, Human Rights and Democratization	
POLS 338	Fascism, Nazism, and the Contemporary Radical Right	
POLS 340	The Latin American Left	
POLS 344	African Politics	
POLS 403	Women, Power and Politics	
Sustainable Management		
SMGT 330	Marketing for a Sustainable World	
SMGT 360	Environmental and Sustainability Policy	
SMGT 410	Corporate Social Responsibility and Sustainability	
SMGT 435	International Development and Sustainability	
Sociology		
SOCA 329	Social Institutions in Contemporary China	
SOCA 379	Society and Environment	
SOCA/ANTH 455	International Development and Change	
Spanish		
SPAN 319	Latin American Civilization and Culture	
SPAN 321	Spanish and Spanish-American Literature to 1700	
SPAN 322	Spanish Literature Since 1700	
SPAN 335	Spanish American Literature Since 1700	
Core Courses Subtotal		15-16
Major Elective Course Options		
Choose one option		12
Senior Seminar		
INTS 495	Senior Seminar in International Studies	3
Total Credits		**42-43**

[1] Many, but not all, of these courses fulfill general education requirements. Consult with your advisor to make sure that you take the appropriate range of general education courses needed. Keep in mind the prerequisites for upper-level courses you anticipate taking in the future.

[2] When choosing a Methods course, be sure to consider the prerequisites for that course. This requirement must be completed prior to taking INTS 495 Senior Seminar in International Studies. *Note: SOCA 303 Program Evaluation and SOCA 307 Survey Methods require SOCA 295 Social Science Research Methods as a prerequisite*

[3] Note this conditional option:
ANTH 455 International Development and Change **OR** SOCA 455 International Development and Change

Major Elective Course Options

Elective options allow students to focus on an area of interest within the broad scope of International Studies. Every semester, a list of currently approved courses for each option is available from your adviser, the Center for International Studies office and the department website. That list may include some of the core elective courses listed above. Students may also propose an individually designed option, subject to the approval of the Center for International Studies Steering Committee.

Students are required to complete a minimum of 12 credits in one of the following options. Course taken for these options must be taken from at least two different departments and must be selected in consultation with the College of Social Sciences and Professional Studies Adviser, and/or the International Studies Major adviser.

Option A - Globalization and Development
Focuses on the processes of political, economic, and sociocultural change that accompany globalization and development, with an emphasis on developing nations. Courses that traditionally fit well for this option come from the following disciplines: Communication, Economics, Environmental Studies, Finance, Geography, History, Political Science, Sustainable Management. However, consultation with advisers is highly recommended.

Option B - International Relations
Focuses on the major interactions among nations, including politics, trade and intercultural communication. Also includes consideration of international organizations and non- governmental organizations. Courses that traditionally fit well for this option should be drawn from the following disciplines: Criminal Justice, History, Political Science, Environmental Studies, Sustainable Management. However, consultation with advisers is highly recommended.

Option C - Comparative Cultures and Societies
Focuses on cross-cultural and comparative study of societies and cultures, including the arts, literature, politics and social organization. Courses that traditionally fit well for this option come from the following disciplines: Communication, English, Geography, History, Political Science, Spanish, Sociology. However, consultation with advisers is highly recommended.

Option D — International Commerce/Business
Focuses on commercial and economic relations among nations, including a business perspective as well as national economic policy. Courses that traditionally fit well for this option come from the following disciplines: Business, Economics, Finance, Management, Marketing, Sustainable Management. However, consultation with advisers is highly recommended.

General University Degree Requirements (Bachelor's Degree)

In addition to individual program requirements, students must also fulfill the following requirements:

Requirement	Credits
Skills	7-8
General Education	36
Foreign Language**	6-8
Ethnic Diversity	3
Total	52-55

** Transfer students in sustainable management, and health information management and technology collaborative, online degree-completion programs, the business management online degree-completion program, and the flexible option degree-completion program will be exempt from the university's foreign language requirement. See appropriate academic section for further information.

Skills Requirement (p. 13)

Code	Title	Credits
Reading and Writing		
ENGL 101	Composition and Reading	3
Computational Skills		
Select one of the following:		4-5
MATH 102	Quantitative Reasoning	
MATH 103	Elementary Statistics	
MATH 104	College Mathematics with Applications	
MATH 111	College Algebra I	
Total Credits		**7-8**

General Education (p. 13)

- General Education Course List (p. 157)

Foreign Language (p. 13)

Ethnic Diversity (p. 13)

Degree Requirements

Requirement	Credits
Minimum Total Credits	120
Upper Level Credits (300 level or above)	36
Residency	30

Cumulative Degree GPA: 2.0 minimum

International Studies Minor

Department website (https://www.uwp.edu/learn/programs/internationalstudiesminor.cfm)

College: College of Social Sciences & Professional Studies

Requirements for the International Studies Minor

Code	Title	Credits
Required Course		
INTS 100	Introduction to International Studies	3
Core Elective Courses		
Select six credits from two different departments of the following: [1]		6
Anthropology		
ANTH 200/ INTS 210	Cultural Anthropology	
ANTH/INTS 228	Peoples of Southeast Asia	
ANTH 312	Anthropology of Language	
ANTH 357	Livelihoods, Exchange, and Globalization	
ANTH 362	Migration and Immigration	
ANTH 382	Environmental Anthropology	
ANTH/SOCA 455	International Development and Change	
Business		
BUS 271	Business Communication for International Students	
Communication		
COMM 460	Global Media	
Criminal Justice		
CRMJ 325	Restorative Justice	
CRMJ 372	Violence	
CRMJ 388	Comparative and International Criminal Justice Systems	
Economics		
ECON 308	Economic Development	
ECON 402	International Economics	
English		
ENGL 319	Modern and Contemporary British Literature	
ENGL 346	Pre-1800 World Literature	
ENGL 347	Post-1800 World Literature	
ENGL 358	Film Genres	
Finance		
FIN 336	Management of Financial Institutions	
FIN 437	International Financial Management	
French		
FREN 318	French Civilization and Culture	
FREN 494	Fieldwork in French	
History		
HIST 315	History of Modern Middle East	
HIST 318	History of Islam	
HIST 319	Arab-Israeli Conflict	
HIST 328	History of Britain II: 1603 to Present	
International Studies		
INTS 307	Practicum: Global Skills in Culture and Language	
INTS 308	Practicum: Global Skills in Political and Economic Systems	
Management		
MGT 446	Global Management	
Marketing		
MKT 356	Global Marketing	
Modern Languages		
MODL 319	Paris: The City and the People (in English)	
MODL 347	Post-1800 World Literature (Same As ENGL 347)	
Music		
MUSI 332	World Music	
Political Science		
POLS 330	European Politics	
POLS 331	The Politics of Developing Nations	
POLS 335	Popular Music, Human Rights and Democratization	
POLS 338	Fascism, Nazism, and the Contemporary Radical Right	
POLS 340	The Latin American Left	
POLS 344	African Politics	
POLS 403	Women, Power and Politics	
Sustainable Management		
SMGT 330	Marketing for a Sustainable World	
SMGT 360	Environmental and Sustainability Policy	
SMGT 410	Corporate Social Responsibility and Sustainability	
SMGT 435	International Development and Sustainability	
Sociology		
SOCA 329	Social Institutions in Contemporary China	
SOCA 379	Society and Environment	
SOCA/ANTH 455	International Development and Change	
Spanish		
SPAN 319	Latin American Civilization and Culture	
SPAN 321	Spanish and Spanish-American Literature to 1700	
SPAN 322	Spanish Literature Since 1700	
SPAN 335	Spanish American Literature Since 1700	
Elective Course Options		
Choose one option		9
Total Credits		**18**

[1] Note these conditional options:
ENGL 346 Pre-1800 World Literature **OR** ENGL 347 Post-1800 World Literature
SOCA 379 Society and Environment **OR** ANTH 382 Environmental Anthropology
ANTH 455 International Development and Change **OR** SOCA 455 International Development and Change

Elective Course Options

Elective options allow students to focus on an area of interest within the broad scope of International Studies. Choose three 3-credit courses, in consultation with an International Studies adviser, that meet the requirements from one of the option areas listed below.

Every semester, a list of currently approved courses for each option is available from your adviser, the Center for International Studies office and the department website (https://www.uwp.edu/learn/departments/

internationalstudies/). That list may include some of the core elective courses.

Students may also propose an individually designed option, subject to the approval of the Center for International Studies Steering Committee.

Option A - Globalization and Development
Focuses on the processes of political, economic, and sociocultural change that accompany globalization and development, with an emphasis on developing nations. Courses that traditionally fit well for this option come from the following disciplines: Communication, Economics, Environmental Studies, Finance, Geography, History, Political Science, Sustainable Management. However, consultation with advisers is highly recommended.

Option B - International Relations
Focuses on the major interactions among nations, including politics, trade and intercultural communication. Also includes consideration of international organizations and non- governmental organizations. Courses that traditionally fit well for this option should be drawn from the following disciplines: Criminal Justice, History, Political Science, Environmental Studies, Sustainable Management. However, consultation with advisers is highly recommended.

Option C - Comparative Cultures and Societies
Focuses on cross-cultural and comparative study of societies and cultures, including the arts, literature, politics, and social organization. Courses that traditionally fit well for this option come from the following disciplines: Communication, English, Geography, History, Political Science, Spanish, Sociology. However, consultation with advisers is highly recommended.

Option D - International Commerce
Focuses on commercial and economic relations among nations, including a business perspective as well as national economic policy. Courses that traditionally fit well for this option come from the following disciplines: Business, Economics, Finance, Management, Marketing, Sustainable Management. However, consultation with advisers is highly recommended.

University Requirements for Minors

Course work in the minor must be completed with the minimum GPA as specified by the department or program under which the minor falls, usually a 2.00 on a 4.00 scale, but higher in some programs. Transfer students must attain the minimum specified GPA on a combination of transfer credits accepted toward the minor and credits attempted at UW-Parkside.

At least half of the course work required for a minor must be completed at UW-Parkside.

Global Skills Certificate

Department website (https://www.uwp.edu/learn/programs/globalskills.cfm)

College: College of Social Sciences & Professional Studies

Declarations of the Global Skills Certificate have been suspended beginning Fall 2024.

The certificate in Global Skills is designed to assist students to understand and appreciate the impact of international affairs on their daily lives. Degree and non-degree students completing the certificate will be expected to value different cultures and political/economic systems, as well as become familiar with the numerous international connections that exist between countries through trade, diplomacy, international organizations and communication technology.

Depending on the choice they make, students may also acquire useful practical skills for employment in U.S. American or foreign companies operating here or elsewhere in the world. The certificate may be rooted in a specific discipline.

Requirements for the Global Skills Certificate

Declarations of the Global Skills Certificate have been suspended beginning Fall 2024.

It is important to keep in mind that, when making choices, some courses may need prerequisites.

Code	Title	Credits
Required Courses		
INTS 100	Introduction to International Studies	3
INTS 307	Practicum: Global Skills in Culture and Language	2
INTS 308	Practicum: Global Skills in Political and Economic Systems	2
Choose one GSC from below		6
Total Credits		**13**

Code	Title	Credits
GSC 1 (Social Sciences)		
Select one of the following:		
ANTH 200/ INTS 210	Cultural Anthropology	
ANTH/INTS 228	Peoples of Southeast Asia	
ANTH 302	Anthropological Theory	
ANTH 312	Anthropology of Language	
ANTH 357	Livelihoods, Exchange, and Globalization	
ANTH/SOCA 362	Migration and Immigration	
ANTH 382	Environmental Anthropology	
COMM 365	Intercultural Communication	
COMM 460	Global Media	
ECON 308	Economic Development	
ECON 402	International Economics	
ENGL 346	Pre-1800 World Literature	
ENGL 347	Post-1800 World Literature	
ENGL 358	Film Genres	
FIN 437	International Financial Management	
GEOG 108	Culture and Environmental Sustainability	
HIST 315	History of Modern Middle East	
HIST 318	History of Islam	
HIST 319	Arab-Israeli Conflict	
HIST 328	History of Britain II: 1603 to Present	
MGT 446	Global Management	
MKT 356	Global Marketing	
MUSI 332	World Music	
POLS 330	European Politics	

POLS 331	The Politics of Developing Nations
POLS 335	Popular Music, Human Rights and Democratization
POLS 338	Fascism, Nazism, and the Contemporary Radical Right
SMGT 330	Marketing for a Sustainable World
SMGT 360	Environmental and Sustainability Policy
SMGT 435	International Development and Sustainability
SOCA 301	Sociological Theory
SOCA 354	Class, Status and Power
SOCA 379	Society and Environment
Select one Elective Course Option	

Elective Course Options

Choose one course in consultation with an International Studies adviser that meets the requirements for one of the options below. Every semester, a list of approved courses for each option is available from your adviser, the CIS office and the department website.

Option A - Globalization and Development
Focus on the processes of political, economic, and sociocultural change that accompany globalization and development, with an emphasis on developing nations. Courses that traditionally fit well for this option come from the following disciplines, but consultation with adviser is often recommended: Communication, Economics, Environmental Studies, Finance, Geography, History, Political Science, Sustainable Management.

Option B - International Relations
Focus on the major interactions among nations, including politics, trade and intercultural communication. Includes the study of international and non- governmental organizations. Courses that traditionally fit well for this option should be drawn from the following disciplines, but consultation with advisers is recommended: Criminal Justice, History, Political Science, Environmental Studies, Sustainable Management.

Option C - Comparative Cultures and Societies
Focus on cross-cultural and comparative study of societies and cultures, including the arts, literature, politics and social organization. Courses that traditionally fit well for this option come from the following disciplines, but consultation with advisers is recommended: Communication, English, Geography, History, Political Science, Spanish, Sociology.

Option D — International Commerce
Focus on commercial and economic relations among nations, including a business perspective as well as national economic policy. Courses that traditionally fit well for this option come from the following disciplines, but consultation with advisers is recommended: Business, Economics, Finance, Management, Marketing, Sustainable Management.

Code	Title	Credits
GSC 2 (Program Evaluation)		
Select two of the following:		
SOCA 303	Program Evaluation	
SOCA 306	Research in Community Needs	
SOCA 307	Survey Methods	

Code	Title	Credits
GSC 3 (Project Management)		
Required Course		
PMGT 341	Basics of Project Management	
Select one of the following:		
PMGT 342	Essential Personal Skills For Project Management	
PMGT 441	Advanced Project Management Tools and Techniques	
PMGT 442	Project Management Simulation	

Code	Title	Credits
GSC 4 (GIS)		
Select two of the following:		
GEOG 350	Cartography and GIS	
GEOG 455	Remote Sensing	
GEOG 460	Introduction to Geographic Information Systems Analysis	
GEOG 465	Advanced Geographic Information Systems Applications	

Code	Title	Credits
GSC 5 (Sustainable Management)		
Select two of the following:		
SMGT 360	Environmental and Sustainability Policy	
SMGT 410	Corporate Social Responsibility and Sustainability	
SMGT 420	The Built Environment and Sustainability	
SMGT 435	International Development and Sustainability	

Code	Title	Credits
GSC 6 (Marketing)		
Select two of the following:		
MGT 446	Global Management	
MKT 350	Marketing Principles	
SMGT 330	Marketing for a Sustainable World	

Code	Title	Credits
GSC 7 (Finance)		
FIN 437	International Financial Management	
FIN 336	Management of Financial Institutions	

Code	Title	Credits
GSC 8 (Technical Writing)		
Select two of the following:		
ENGL 202	Technical Writing	
ENGL 204	Writing for Business and Industry	
ENGL 385	Professional Editing	

Code	Title	Credits
GSC 9 (Terrorism/Security)		
CRMJ 387	Terrorism and Security	
CRMJ 388	Comparative and International Criminal Justice Systems	

University Requirements for Undergraduate Certificates

Course work in a certificate must be completed with a minimum 2.00 GPA. Departments or programs may require a higher GPA.

A minimum of 9 credits in a certificate program must be taken at UW-Parkside. Individual departments and programs may require more than 9 credits to be taken at UW-Parkside.

Leadership and Personalized Studies

Department website (https://www.uwp.edu/learn/departments/liberalstudies/)

College: College of Arts & Humanities

Career Possibilities:

There are many possible careers for liberal studies graduates, depending on how students plan their coursework. Graduates from our program work in all sorts of industries including business, politics, natural resources, marketing, and public relations - just to name a few. Others enroll in graduate programs ranging from law school, business administration, communication, women and gender studies, and professional studies.

Program Overview

Mission

Our mission is to provide flexible, innovative degree programs to students whose needs and interests are not limited to a single discipline. Grounded in the liberal arts tradition, we prepare graduates to:

- Communicate effectively
- Think critically and creatively
- Make connections across disciplines
- Become knowledgeable, engaged citizens of our local and global communities
- Assume leadership roles and apply their knowledge in all areas of their professional and personal lives

The liberal studies major is often a degree-completion option for transfer and returning students, including working adults interested in career advancement. Because of its flexibility and appreciation of interdisciplinarity, the liberal studies major is an ideal fit for transfer and returning students, as well working adults interested in growing their skillset for career advancement. By recognizing themes in students' previous coursework, liberal studies advisors help students identify and structure individually cohesive concentrations that embody their interests and past academic background. These concentrations, along with the LBST core and modest lower-level coursework requirements, provide students a meaningful, personalized, viable, and efficient path toward graduation.

Vision

We believe that students educated in our program will have the skills to meet the many challenges of today's workplace. Moreover, because our students have the flexibility to choose classes in multiple disciplines, they can design a major that better addresses their individual career goals. Liberal studies is committed to helping students create their own paths to degree completion, career success, and ultimately a more fulfilling quality of life. We envision our program, students, and graduates helping to shape a community that is intellectually engaged, globally connected, environmentally responsible, diverse, and inclusive.

Program Competency Areas

The liberal studies curriculum is guided by six areas in which students are expected to demonstrate competency. These areas should guide students' course selection as well as their focus within particular courses. Understanding of the competencies is demonstrated by the successful completion of a senior seminar project. The competency areas are as follows:

Communication:
Effective communication skills include listening, speaking, reading, writing, and information literacy.

Ethical Reasoning and Action:
Individual, social, and environmental responsibility includes civic knowledge and engagement (both global and local).

History:
Recognizing patterns in past events and seeing their relevance to present-day life; demonstrating how contemporary social issues are rooted in past events and political choices; understanding the impacts of the social and physical environments on individual experience; and speculating in informed ways about how present-day trends might affect the future.

Critical and Creative Thinking:
The capacity to combine or synthesize existing ideas and information; comprehensively explore issues, ideas, objects, and events before reaching a conclusion.

Intercultural Knowledge:
Understanding and empathizing with people from diverse cultures; understanding societies and cultures on their own terms; interacting and working with people from diverse backgrounds; and leading or contributing support to those who lead.

Interdisciplinary Perspective:
The ability to make deliberate connections among various academic disciplines, to comprehend and participate in more than one discipline; the ability to reflect on the nature and value of an interdisciplinary perspective.

Preparation for Graduate School

Completion of a liberal studies major is ideal preparation for graduate programs that value education in the liberal arts, social sciences, and cross-disciplinary pursuits

Programs Offered

- Leadership and Personalized Studies Major Online Degree Completion Program (BA) (p. 220)
- Leadership and Personalized Studies Major (BA) (p. 222)
- Leadership Certificate (p. 225)
- Leadership and Personalized Studies (AA) (p. 48)

Leadership and Personalized Studies Major Concentrations

- Humanities
- Leadership and Organizational Studies
- Social Science Studies
- Women's, Gender and Sexuality Studies
- Individually Designed

Leadership and Personalized Studies Major Online Degree Completion Program Concentrations

- Leadership and Organizational Studies Concentration
- Social Science Studies Concentration
- Individually Designed Concentration

Courses in Liberal Studies

LBST 100 | The Life Expressive: Introduction to the Arts and Humanities | 3 cr

Explores the nature, history, overarching questions, and notable figures in academic disciplines within the humanities and the arts, such as communication; English and modern languages; ethnic studies; music; theatre arts; and women's, gender, and sexuality studies. Includes a focus on critical thinking and college success.
Prerequisites: None.
Offered: Fall.
Meets: Humanities and the Arts: LBST, Humanities and the Arts: LBST, Humanities and the Arts: LBST, Humanities and the Arts: LBST, Humanities and the Arts: LBST

LBST 101 | Beauty, Bewilderment, and Love: The Humanities through 1500 | 3 cr

Discusses the human condition through the expressions of world cultures, from prehistory to 1500. Explores the West, and also a variety of non-Western cultures.
Prerequisites: None.
Offered: Fall, Spring.
Meets: Humanities and the Arts: LBST, Humanities and the Arts: LBST, Humanities and the Arts: LBST, Humanities and the Arts: LBST, Humanities and the Arts: LBST

LBST 102 | Independence and Mystery: The Humanities from 1500 to the Present | 3 cr

Offers thematic and comparative approaches to the history of world cultures, from 1500 to the present. Explores the West and a variety of non-Western cultures.
Prerequisites: None.
Offered: Spring.
Meets: Humanities and the Arts: LBST, Humanities and the Arts: LBST, Humanities and the Arts: LBST, Humanities and the Arts: LBST, Humanities and the Arts: LBST

LBST 103 | Understanding Social Justice | 3 cr

Examines social inequalities and injustices that influence politics, economy, education, and self image through the eyes and voices of multiple marginalized persons/groups.
Prerequisites: None.
Offered: Fall, Spring.
Meets: Humanities and the Arts: LBST, Ethnic Diversity, Humanities and the Arts: LBST, Ethnic Diversity, Humanities and the Arts: LBST, Ethnic Diversity, Humanities and the Arts: LBST, Ethnic Diversity, Humanities and the Arts: LBST, Ethnic Diversity

LBST 168 | Student Leadership | 3 cr

Provides practical opportunities to learn and grow in preparation of your employment with the office of admissions and new student services. Consent of instructor.
Prerequisites: Acceptance to office of admissions and new student services orientation program.
Offered: Spring.

LBST 210 | Introduction to Leadership | 3 cr

Introduces principles of leadership from an interdisciplinary theoretical and practical perspective. Introduces skills such as self-assessment, communication strategies, understanding group dynamics and working in coalitions, setting goals while remaining flexible, and managing conflict.
Prerequisites: None.
Offered: Fall, Spring.
Meets: Social & Behavioral Science: ISTD, Social & Behavioral Science: ISTD, Social & Behavioral Science: ISTD, Social & Behavioral Science: ISTD, Social & Behavioral Science: ISTD

LBST 290 | Special Topics in Leadership and Personalized Studies | 1-3 cr

Introduces special topics in in leadership and personalized studies. May be repeated for credit with different topic.
Prerequisites: None.
Offered: Occasionally.

LBST 300 | Identity and Influence: The American Experience | 3 cr

Investigates philosophies, methods, and issues within the humanities. Provides foundational understandings of the marginalizations that have occurred in this country since its (European) establishment.
Prerequisites: LBST 103 or consent of instructor.
Offered: Fall, Spring.
Meets: Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity

LBST 367 | Latinos(as) and the Law | 3 cr

Introduces and examines experiences Latinos(as) encounter with and within the U.S. criminal justice system, as well as related international and transnational issues. Uses a range of theoretical frameworks, including socio-ecological, political and psychological. Cross-listed with: CRMJ 367/POLS 367.
Prerequisites: CRMJ 101 or POLS 100; or consent of instructor.
Offered: Occasionally.
Meets: Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity

LBST 390 | Special Topics in Leadership and Personalized Studies | 1-3 cr

Examines intermediate-level special topics in leadership and personalized studies. May be repeated for credit with different topic.
Prerequisites: Consent of instructor.
Offered: Occasionally.

LBST 490 | Special Topics in Leadership and Personalized Studies | 1-3 cr

Examines advanced-level special topics in leadership and personalized studies. May repeat with different topic.
Prerequisites: Junior standing or consent of instructor.
Offered: Occasionally.

LBST 492 | Practicum in Leadership | 3 cr

Supports students as they complete the capstone project for the leadership certificate.
Prerequisites: LBST 210 and two other leadership courses or consent of instructor.
Offered: Fall, Spring.

LBST 494 | Internship in Leadership and Personalized Studies | 1-4 cr
Provides opportunity for directed field experience, focusing on applying scholarly concepts to the workplace. Specific arrangements to be made in consultation with advisor. Maximum of 6 credits may be applied to the major.
Prerequisites: Leadership and Personalized Studies major, junior standing; consent of instructor and department chair.
Offered: Fall, Spring, Summer.

LBST 498 | Senior Seminar Project | 3 cr
Enables students to apply the knowledge and competencies of Liberal Studies to a senior project.
Prerequisites: Liberal studies major, senior standing and consent of instructor.
Offered: Fall, Spring.

LBST 499 | Independent Study | 1-3 cr
Individual study of selected topics in Liberal Studies.
Prerequisites: Liberal studies major, junior standing, consent of instructor and department chair.
Offered: Fall, Spring, Summer.

Leadership and Personalized Studies Major Online Degree Completion Program (BA)

Department website (https://www.uwp.edu/learn/programs/liberal-studies-online.cfm)

College: College of Arts & Humanities

This version of the Leadership and Personalized Studies major is targeted to students who have at least 60 credits, fulfilled various university requirements (including general education requirements), and need a online pathway to complete their junior/senior-level coursework. Please refer to the Leadership and Personalized Studies program overview to learn more about what makes LPST unique and the right fit for many non-traditional students.

Program Learning Outcomes

1. Communication: Effective communication skills include listening, speaking, reading, writing, and information literacy.
2. Ethical Reasoning and Action: Individual, social, and environmental responsibility includes civic knowledge and engagement (both global and local).
3. History: Recognizing patterns in past events and seeing their relevance to present-day life; demonstrating how contemporary social issues are rooted in past events and political choices; understanding the impacts of the social and physical environments on individual experience; and speculating in informed ways about how present-day trends might affect the future.
4. Critical and Creative Thinking: The capacity to combine or synthesize existing ideas and information; comprehensively explore issues, ideas, objects, and events before reaching a conclusion.
5. Intercultural Knowledge: Understanding and empathizing with people from diverse cultures; understanding societies and cultures on their own terms; interacting and working with people from diverse backgrounds; and leading or contributing support to those who lead.
6. Interdisciplinary Perspective: The ability to make deliberate connections among various academic disciplines, to comprehend and participate in more than one discipline; the ability to reflect on the nature and value of an interdisciplinary perspective.

Requirements for the Leadership and Personalized Studies Major Online Degree Completion Program

This completely online version of our traditional major offers online-only options within the following concentrations: individually designed topics, social science studies, or leadership and organizational studies. Before being admitted, students must meet the following requirements and apply specifically for this online degree completion version of the Leadership and Personalized Studies major.

Requirements for being admitted into LPSO:

- A minimum of 60 college credits
- Completion of the UW-Parkside Skills requirements
- Completion of the UW-Parkside Foreign Language requirements
- Completion of the UW-Parkside General Education requirements (Students who have fewer than five General Education courses left to take may be considered for admission); or, completion of an associate degree from an accredited, college-parallel program.
- Each student application will be evaluated by admissions counselors and Leadership and Personalized Studies advisors. Students who have not completed some of these requirements may be given conditional admission and are expected to complete all requirements needed for a UW-Parkside degree.

Code	Title	Credits
Core Courses		
Required Courses		
LBST 103	Understanding Social Justice	3
LBST 300	Identity and Influence: The American Experience [1]	3
Introductory Courses [2]		
Courses must be from at least 2 departments:		
Select three from examples below or consult with program advisor:		9
ANTH 100	Introduction to Anthropology	
LBST 101	Beauty, Bewilderment, and Love: The Humanities through 1500	
LBST 102	Independence and Mystery: The Humanities from 1500 to the Present	
SOCA 101	Introduction to Sociology	
Required Senior Seminar Capstone		
Capstone is to be completed final semester in the major/concentration.		
LBST 498	Senior Seminar Project	3
Concentration Courses		
Choose one concentration		23-24
Total Credits		**41-42**

[1] Note: LBST 300 will also fulfill the university's diversity requirement.
[2] These courses may be General Education courses and are often 100-level courses. Courses identified as prerequisites for desired, advanced coursework should be prioritized.

Note: In order to reach the 120 credits, including the 36 upper division credits, minimally required to earn a Bachelor's degree at UW-Parkside,

Leadership and Personalized Studies majors may need to complete additional coursework in the form of "electives". Alternatively, students may wish to augment their major with a minor or a certificate from any department on campus as a way to fulfill the remainder of their university requirements.

Elective Courses
If students enrolled in this program have the minimum of 60 credits, and complete the above 42-43 credits, they will still need an additional 18-19 credits to meet the minimum required 120 credits to complete their UW-Parkside degree. Students are also required to meet the 36 upper-division credits required to graduate and are expected to meet that minimum requirement through incoming credits or elective credits. A Leadership and Personalized Studies advisor will help each student identify which online courses will meet the university requirements and pique the student's interest.

Concentration Options

Students choose from three concentrations within the leadership and personalized studies major: leadership and organizational studies; social science studies; and individually designed.

Leadership and Organizational Studies Concentration

Code	Title	Credits
Requirements [1]		
Skills, Methods, and/or Literacy Courses [2]		
Select two from examples below or consult with program advisor:		6
ENGL 204	Writing for Business and Industry	
LBST 210	Introduction to Leadership	
LBST 290	Special Topics in Leadership and Personalized Studies	
SOCA 295	Social Science Research Methods	
QM 210	Business Statistics I	
Concentration Courses [3,4]		**18**
Total Credits		**24**

1. Each course may only count toward one requirement.
2. These courses provide foundational skills needed to begin research and exploration required in a concentration.
3. 18 credit concentration where at least 9 credits occur at the 300/400-level. No more than 6-credits may be earned through Independent Study courses. Selection must include courses from at least two different departments or disciplines.
4. In consultation with a Leadership and Personalized Studies Advisor, design a concentration with specialized focus, where the majority of coursework occurs in recognized Leadership and Organizational Studies areas such as Accounting, Business, Communication, Criminal Justice, Ethnic Studies, History, Marketing, Management, Political Science, Professional Studies, Statistics, or related. Information on our online course offerings are available here: *https://www.uwp.edu/learn/courseschedule/?classType=DE*

Social Science Studies Concentration

Code	Title	Credits
Requirements [1]		
Skills, Methods, and/or Literacy Courses [2]		
Select two from examples below or consult with program advisor:		5-6
LBST 210	Introduction to Leadership	
SOCA 248	Report Writing for the Social Sciences	
SOCA 250	Statistics for the Social Sciences	
SOCA 295	Social Science Research Methods	
Concentration Courses [3,4]		**18**
Total Credits		**23-24**

1. Each course may only count toward one requirement.
2. These courses provide foundational skills needed to begin research and exploration required in a concentration.
3. **18 credit concentration where at least 9 credits occur at the 300/400-level. No more than 6-credits may be earned through Independent Study courses. Selection must include courses from at least two different departments or disciplines.**
4. In consultation with a Leadership and Personalized Studies Advisor, design a concentration with specialized focus, where the majority of coursework occurs in recognized Social Science disciplines such as Communication, Criminal Justice, Geography, History, Political Science, International Studies, Women's, Gender, and Sexuality Studies, Economics, Ethnic Studies, or related. Information on our online course offerings are available here: *https://www.uwp.edu/learn/courseschedule/?classType=DE*

Individually Designed Concentration

Code	Title	Credits
Requirements [1]		
Skills, Methods, and/or Literacy Courses		
Select two from examples below or consult with program advisor: [2]		5-6
ENGL 204	Writing for Business and Industry	
LBST 210	Introduction to Leadership	
LBST 290	Special Topics in Leadership and Personalized Studies	
SOCA 248	Report Writing for the Social Sciences	
SOCA 250	Statistics for the Social Sciences	
SOCA 295	Social Science Research Methods	
QM 210	Business Statistics I	
Concentration Courses [3,4]		**18**
Total Credits		**23-24**

1. Each course may only count toward one requirement.
2. These courses provide foundational skills needed to begin research and exploration required in a concentration.
3. 18 credit concentration focusing on your chosen designed topic where at least 9 credits occur at the 300/400-level. No more than 6-credits may be earned through Independent Study courses. Selection must include courses from at least two different departments or disciplines.
4. In consultation with a Leadership and Personalized Studies Advisor, design a concentration with specialized focus, where the coursework uniquely targets an interdisciplinary concept or project. Information on our online course offerings are available here: https://www.uwp.edu/learn/courseschedule/?classType=DE

General University Degree Requirements (Bachelor's Degree)

In addition to individual program requirements, students must also fulfill the following requirements:

Requirement	Credits
Skills	7-8
General Education	36
Foreign Language**	6-8
Ethnic Diversity	3
Total	52-55

** Transfer students in sustainable management, and health information management and technology collaborative, online degree-completion programs, the business management online degree-completion program, and the flexible option degree-completion program will be exempt from the university's foreign language requirement. See appropriate academic section for further information.

Skills Requirement (p. 13)

Code	Title	Credits
Reading and Writing		
ENGL 101	Composition and Reading	3
Computational Skills		
Select one of the following:		4-5
MATH 102	Quantitative Reasoning	
MATH 103	Elementary Statistics	
MATH 104	College Mathematics with Applications	
MATH 111	College Algebra I	
Total Credits		**7-8**

General Education (p. 13)

- General Education Course List (p. 157)

Foreign Language (p. 13)

Ethnic Diversity (p. 13)

Degree Requirements

Requirement	Credits
Minimum Total Credits	120
Upper Level Credits (300 level or above)	36
Residency	30

Cumulative Degree GPA: 2.0 minimum

Leadership and Personalized Studies Major (BA)

Department website (https://www.uwp.edu/learn/programs/lbstmajor.cfm)

College: College of Arts & Humanities

Leadership and Personalized Studies is the program for students who have many interests, and for whom, selecting one singular academic discipline isn't the right fit. Some students gravitate to LPST after trying and leaving other majors, and/or transferring from other schools. Rather than losing the credits already attained, our dedicated advisors work with each student to make a customized degree completion pathway, identifying personalized learning goals obtainable through courses across disciplines. In the Leadership and Personalized Studies program, our team believes each of our students are unique and deserve to be active participants in the design of their studies.

While many students find LPST after exploring other majors, some of our students start their academic careers with us as freshman or sophomores, using our Individually Designed Concentration as a way to create their own "major within a major". Using this option and working with the LPST advisors, a student can customize over 85% of their major coursework to gain the specific academic skill set they seek.

Program Learning Outcomes

1. Communication: Effective communication skills include listening, speaking, reading, writing, and information literacy.
2. Ethical Reasoning and Action: Individual, social, and environmental responsibility includes civic knowledge and engagement (both global and local).
3. History: Recognizing patterns in past events and seeing their relevance to present-day life; demonstrating how contemporary social issues are rooted in past events and political choices; understanding the impacts of the social and physical environments on individual experience; and speculating in informed ways about how present-day trends might affect the future.
4. Critical and Creative Thinking: The capacity to combine or synthesize existing ideas and information; comprehensively explore issues, ideas, objects, and events before reaching a conclusion.
5. Intercultural Knowledge: Understanding and empathizing with people from diverse cultures; understanding societies and cultures on their own terms; interacting and working with people from diverse backgrounds; and leading or contributing support to those who lead.
6. Interdisciplinary Perspective: The ability to make deliberate connections among various academic disciplines, to comprehend and participate in more than one discipline; the ability to reflect on the nature and value of an interdisciplinary perspective.

Requirements for the Leadership and Personalized Studies Major

Code	Title	Credits
Core Courses		
Required Courses		
LBST 103	Understanding Social Justice	3
LBST 300	Identity and Influence: The American Experience	3
Required Senior Seminar Capstone		
Capstone is to be completed final semester in the major/concentration.		
LBST 498	Senior Seminar Project	3
Concentration Courses		
Choose one concentration		32-33
Total Credits		**41-42**

Note: In order to reach the 120 credits, including the 36 upper division credits, minimally required to earn a Bachelor's degree at UW-Parkside, Leadership and Personalized Studies majors may need to complete additional coursework in the form of "electives". Alternatively, students may wish to augment their major with a minor or a certificate from any department on campus as a way to fulfill the remainder of their university requirements.

Concentration Options

Students choose one of five concentrations within the Leadership and Personalized Studies major: humanities; leadership and organizational studies; social sciences studies; women's, gender, and sexuality studies; and individually designed.

Humanities Concentration

Code	Title	Credits
Requirements [1]		
Introductory Courses [2]		
Courses must be from at least two departments		
Select three from examples below or consult with program advisor:		9
ANTH 100	Introduction to Anthropology	
COMM 107	Communication and the Human Condition	
ENVS 101	Introduction to Environmental Studies	
LBST 100	The Life Expressive: Introduction to the Arts and Humanities	
LBST 101	Beauty, Bewilderment, and Love: The Humanities through 1500	
LBST 102	Independence and Mystery: The Humanities from 1500 to the Present	
PHIL 101	Introduction to Philosophy	
PSYC 101	Introduction to Psychological Science	
SOCA 101	Introduction to Sociology	
WGSS 110	Introduction to Women's, Gender and Sexuality Studies	
Skills, Methods, and/or Literacy Courses [3]		
Select two from examples below or consult with program advisor:		6
ENGL 201	Advanced Composition	
ENGL 253	Literature Into Film	
ENGL 266	Literary Analysis	
COMM 207	Introduction to the Communication Discipline (Part I)	
LBST 290	Special Topics in Leadership and Personalized Studies	
Concentration Courses [4, 5]		**18**
Total Credits		**33**

1. Each course may only count toward one requirement.
2. These courses may be General Education courses and are often 100-level courses. Courses identified as prerequisites for desired, advanced coursework should be prioritized.
3. These courses provide foundational skills needed to begin research and exploration required in a concentration.
4. 18 credit concentration where at least 9 credits occur at the 300/400-level. No more than 6-credits may be earned through Independent Study courses. Selection must include courses from at least two different departments or disciplines.
5. In consultation with a Leadership and Personalized Studies Advisor, design a concentration with specialized focus, where the majority of coursework occurs in recognized Humanities disciplines such as English, Modern Languages, Communication, Music, Theatre, Art and Design, Women's, Gender, and Sexuality Studies, Philosophy, Ethnic Studies, or related.

Leadership and Organizational Studies Concentration

Code	Title	Credits
Requirements [1]		
Introductory Courses [2]		
Courses must be from at least 2 departments		
Select three from examples below or consult with program advisor:		9
ANTH 100	Introduction to Anthropology	
BUS 100	Introduction to Business	
COMM 107	Communication and the Human Condition	
ECON 120	Principles of Microeconomics	
ECON 121	Principles of Macroeconomics	
HIST 101	The United States: Origins to Reconstruction	
HIST 102	The United States: Reconstruction to Recent Times	
LBST 101	Beauty, Bewilderment, and Love: The Humanities through 1500	
LBST 102	Independence and Mystery: The Humanities from 1500 to the Present	
PSYC 101	Introduction to Psychological Science	
SOCA 101	Introduction to Sociology	
Skills, Methods, and/or Literacy Courses [3]		
Select two from examples below or consult with program advisor:		6
ENGL 202	Technical Writing	
ENGL 204	Writing for Business and Industry	
LBST 210	Introduction to Leadership	
LBST 290	Special Topics in Leadership and Personalized Studies	
QM 210	Business Statistics I	
Concentration Courses [4, 5]		**18**
Total Credits		**33**

1. Each course may only count toward one requirement.
2. These courses may be General Education courses and are often 100-level courses. Courses identified as prerequisites for desired, advanced coursework should be prioritized.
3. These courses provide foundational skills needed to begin research and exploration required in a concentration.
4. 18 credit concentration where at least 9 credits occur at the 300/400-level. No more than 6-credits may be earned through Independent Study courses. Selection must include courses from at least two different departments or disciplines.
5. In consultation with a Leadership and Personalized Studies Advisor, design a concentration with specialized focus, where the majority of coursework occurs in recognized Leadership and Organizational Studies areas such as Accounting, Business, Communication, Criminal Justice, Ethnic Studies, History, Marketing, Management, Political Science, Professional Studies, Statistics, or related.

Social Science Studies Concentration

Code	Title	Credits
Requirements [1]		
Introductory Courses [2]		
Courses must be from at least 2 departments		
Select three from examples below or consult with program advisor:		9
ANTH 100	Introduction to Anthropology	

COMM 107	Communication and the Human Condition	
ECON 120	Principles of Microeconomics	
ECON 121	Principles of Macroeconomics	
HIST 101	The United States: Origins to Reconstruction	
HIST 102	The United States: Reconstruction to Recent Times	
LBST 101	Beauty, Bewilderment, and Love: The Humanities through 1500	
LBST 102	Independence and Mystery: The Humanities from 1500 to the Present	
PSYC 101	Introduction to Psychological Science	
SOCA 101	Introduction to Sociology	
Skills, Methods, and/or Literacy Courses [3]		
Select two from examples below or consult with program advisor:		5-6
HIST 250	Sources and Methods in History	
LBST 210	Introduction to Leadership	
SOCA 248	Report Writing for the Social Sciences	
SOCA 250	Statistics for the Social Sciences	
SOCA 295	Social Science Research Methods	
Concentration Courses [4, 5]		**18**
Total Credits		**32-33**

1. Each course may only count toward one requirement.
2. These courses may be General Education courses and are often 100-level courses. Courses identified as prerequisites for desired, advanced coursework should be prioritized.
3. These courses provide foundational skills needed to begin research and exploration required in a concentration.
4. 18 credit concentration where at least 9 credits occur at the 300/400-level. No more than 6-credits may be earned through Independent Study courses. Selection must include courses from at least two different departments or disciplines.
5. In consultation with a Leadership and Personalized Studies Advisor, design a concentration with specialized focus, where the majority of coursework occurs in recognized Social Science disciplines such as Communication, Criminal Justice, Geography, History, Political Science, International Studies, Women's, Gender, and Sexuality Studies, Economics, Ethnic Studies, or related.

Women's, Gender and Sexuality Studies Concentration

Code	Title	Credits
Requirements [1]		
Introductory Courses [2]		
Courses must be from at least 2 departments		
Required Course		
WGSS 110	Introduction to Women's, Gender and Sexuality Studies	3
Select two from examples below or consult with program advisor:		6
BIOS 103	Human Biology	
COMM 108	Media and Society	
POLS 104	Introduction to International Relations	
SOCA 101	Introduction to Sociology	
WGSS/ENGL 112	Women In Literature	
Skills, Methods, and/or Literacy Courses [3]		
Select two from examples below or consult with program advisor:		5-7
ENGL 266	Literary Analysis	
POLS 200	Research Methods and Sources	
PSYC 250	Psychological Statistics	
SOCA 295	Social Science Research Methods	
THEA/WGSS 215	Queer Representation on Stage and Screen	
WGSS/SOCA 213	Gender and Society	
Concentration Courses [4]		
Select six from examples below or consult with program advisor:		18
COMM/WGSS 315	Communication and Gender	
COMM 370	Communication and Social Movements	
COMM/WGSS 463	Gender, Race, Class and Sexualities in the Media	
CRMJ 366	Women, Crime and Criminal Justice	
ENGL 267	Literature of Diversity	
ENGL 320	Shakespeare	
ENGL 451	Studies in Literature or Culture	
HLTH 321	Women's Health Issues	
POLS 321	Politics, Law, and Society	
POLS 403	Women, Power and Politics	
PSYC 307	Cross Cultural Psychology	
SOCA/WGSS 367	LGBTQ Studies	
SOCA 374	Women and Work	
SPAN 435	Topics in Latin American Literature and Culture:	
THEA/WGSS 215	Queer Representation on Stage and Screen	
WGSS 494	Internship in Women's, Gender Studies and Sexuality Studies	
Total Credits		**32-34**

1. Each course may only count toward one requirement.
2. These courses may be General Education courses and are often 100-level courses. Courses identified as prerequisites for desired, advanced coursework should be prioritized.
3. These courses provide foundational skills needed to begin research and exploration required in the Women's, Gender, and Sexuality Studies concentration. Choose two courses from two different departments.
4. 18 credit concentration where at least 9 credits occur at the 300/400-level. No more than 6-credits may be earned through Independent Study courses.

Individually Designed Concentration

Code	Title	Credits
Requirements [1]		
Introductory Courses [2]		
Courses must be from at least 2 departments		
Select three from examples below or consult with program advisor:		9
ANTH 100	Introduction to Anthropology	
BUS 100	Introduction to Business	
COMM 107	Communication and the Human Condition	
ENVS 101	Introduction to Environmental Studies	

HIST 101	The United States: Origins to Reconstruction	
LBST 100	The Life Expressive: Introduction to the Arts and Humanities	
LBST 101	Beauty, Bewilderment, and Love: The Humanities through 1500	
LBST 102	Independence and Mystery: The Humanities from 1500 to the Present	
PHIL 101	Introduction to Philosophy	
PSYC 101	Introduction to Psychological Science	
SOCA 101	Introduction to Sociology	
WGSS 110	Introduction to Women's, Gender and Sexuality Studies	
Skills, Methods, and/or Literacy Courses		
Select two from examples below or consult with program advisor: [3]		5-6
COMM 207	Introduction to the Communication Discipline (Part I)	
ENGL 204	Writing for Business and Industry	
ENGL 266	Literary Analysis	
LBST 210	Introduction to Leadership	
LBST 290	Special Topics in Leadership and Personalized Studies	
SOCA 248	Report Writing for the Social Sciences	
SOCA 250	Statistics for the Social Sciences	
SOCA 295	Social Science Research Methods	
QM 210	Business Statistics I	
Concentration Courses [4, 5]		**18**
Total Credits		**32-33**

1. Each course may only count toward one requirement.
2. These courses may be General Education courses and are often 100-level courses. Courses identified as prerequisites for desired, advanced coursework should be prioritized.
3. These courses provide foundational skills needed to begin research and exploration required in a concentration.
4. 18 credit concentration where at least 9 credits occur at the 300/400-level. No more than 6-credits may be earned through Independent Study courses. Selection must include courses from at least two different departments or disciplines.
5. In consultation with a Leadership and Personalized Studies Advisor, design a concentration with specialized focus, where the coursework uniquely targets an interdisciplinary concept or project.

General University Degree Requirements (Bachelor's Degree)

In addition to individual program requirements, students must also fulfill the following requirements:

Requirement	Credits
Skills	7-8
General Education	36
Foreign Language**	6-8
Ethnic Diversity	3
Total	52-55

** Transfer students in sustainable management, and health information management and technology collaborative, online degree-completion programs, the business management online degree-completion program, and the flexible option degree-completion program will be exempt from the university's foreign language requirement. See appropriate academic section for further information.

Skills Requirement (p. 13)

Code	Title	Credits
Reading and Writing		
ENGL 101	Composition and Reading	3
Computational Skills		
Select one of the following:		4-5
MATH 102	Quantitative Reasoning	
MATH 103	Elementary Statistics	
MATH 104	College Mathematics with Applications	
MATH 111	College Algebra I	
Total Credits		**7-8**

General Education (p. 13)

- General Education Course List (p. 157)

Foreign Language (p. 13)

Ethnic Diversity (p. 13)

Degree Requirements

Requirement	Credits
Minimum Total Credits	120
Upper Level Credits (300 level or above)	36
Residency	30

Cumulative Degree GPA: 2.0 minimum

Leadership Certificate

Department website (https://www.uwp.edu/learn/programs/leadershipcertificate.cfm)

College: College of Arts & Humanities

The leadership certificate provides a curriculum that combines conceptual and theoretical frameworks with opportunities to apply those concepts and theories in real-world situations. Students who complete the certificate program will have an enhanced understanding of the personal qualities, interpersonal dynamics, and social patterns that influence leadership efforts. They will also have the opportunity to hone specific leadership skills such as self-assessment and public speaking; identify and assess resources; work in diverse settings; and evaluate and reflect on students' own leadership styles. Pursuing the leadership certificate is also an excellent opportunity for civic engagement.

Requirements for the Leadership Certificate

Code	Title	Credits
Required Courses		
LBST 210	Introduction to Leadership	3
LBST 492	Practicum in Leadership	3

Elective Courses		
Select two of the following:		6
COMM 285	Introduction to Conflict Analysis and Resolution	
COMM 303	Organizational Communication	
HRM 343	Human Resource Management	
LBST 494	Internship in Leadership and Personalized Studies	
SOCA 306	Research in Community Needs	
Total Credits		**12**

University Requirements for Undergraduate Certificates

Course work in a certificate must be completed with a minimum 2.00 GPA. Departments or programs may require a higher GPA.

A minimum of 9 credits in a certificate program must be taken at UW-Parkside. Individual departments and programs may require more than 9 credits to be taken at UW-Parkside.

Math and Physics

Department website (https://www.uwp.edu/learn/departments/mathandphysics/)

College: College of Natural & Health Sciences

Professional Accreditations or Memberships:

American Mathematical Society

Student Organizations/Clubs:

Math Club; Pi Mu Epsilon (Wisconsin Gamma Chapter); Society of Physics Students

Career Possibilities for Mathematics Majors:

The future outlook for careers in mathematics remains promising, especially for those who combine their training with other specialties. A degree with a major in mathematics with supporting work in computer science, business or economics will increase employment opportunities.

Department Overview

The Mathematics and Physics Department offers a rigorous and well-balanced program of courses leading to a bachelor of science degree with majors in mathematics and physics. Mathematics is of central importance in the sciences. In fact, mathematics has been called the language of science. This applies not only to the physical and biological sciences but increasingly to the social, managerial and behavioral sciences as well. Much of mathematics has been developed to meet the needs of the areas of human knowledge that it serves. In addition to its service role in other areas, mathematics occupies a place of its own in our intellectual heritage. From ancient Greece to our own times, people have been drawn to the elegant structure.

The physics major is primarily intended for students who wish to pursue graduate work in physics or related areas, careers in higher education, or careers in technology-based industry.

The mathematics and physics faculty are active in research. Current areas of research interest include astrophysics, computational physics, condensed matter theory, many-body theory, mathematical physics, quantum field theory, and statistical mechanics. Students majoring in mathematics or physics have an excellent opportunity to get involved in ongoing research projects. In the recent past, students have appeared as co-authors on a number of scientific publications in research and teaching journals.

In addition to mathematics and physics majors, the department hosts an articulated pre-engineering/engineering program with the University of Wisconsin-Milwaukee.

Program Level Outcomes for Mathematics

1. Formulate and prove mathematical results in the language of mathematics.
2. Perform technical mathematical computations in mathematics and related fields.
3. Translate ideas and meanings from the language of everyday life (English) into mathematical language (formulas and symbols).
4. Communicate in the language of mathematics.
5. Search for knowledge in independent and responsible ways.

High School Preparation

Students entering a degree program at UW-Parkside should have taken at least three years of high school mathematics including ninth-grade algebra, 10th-grade geometry and 11th-grade advanced algebra and trigonometry. Students intending to take college-level mathematics courses are encouraged to strengthen their preparation by taking 12th-grade pre-calculus.

Computational Skills Requirement

Students satisfy this requirement with the completion of either MATH 102 Quantitative Reasoning or MATH 103 Elementary Statistics for 3 credits or MATH 111 College Algebra I for 4 credits (with a grade of C-minus or better).

Students are exempt from the requirement if their placement results (based on UW Mathematics Placement Test) are above MATH 102 Quantitative Reasoning or MATH 111 College Algebra I. Students must complete computational skills within their first 60 academic credits.

Placement Examination

Mathematics Placement is by UW Mathematics Placement Test scores. This examination serves as a guide for placement in mathematics courses. Placement in mathematics courses is usually made at the following levels:

1. MATH 102 Quantitative Reasoning, MATH 103 Elementary Statistics, MATH 104 College Mathematics with Applications or MATH 111 College Algebra I – students with fewer than three years of high school math, or inadequate background, or who have been out of school for an extended period of time.
2. MATH 112 College Algebra II, MATH 113 Trigonometry or MATH 114 College Algebra II/Trigonometry – students with three years of high school mathematics.
3. MATH 221 Calculus and Analytic Geometry I – students with four years of high school mathematics.

Math Bridge is a required four-week math program for new and continuing students who could benefit from additional math support. It is designed to help students build confidence and mathematical skill.

Program Level Outcomes for Physics

1. Student should be scientifically literate in the foundations of physics, both theoretical and practical.
2. Students should be able to take data in a lab environment or computer simulation, analyze it, present it coherently in a written format and draw from the analysis a convincing conclusion based upon the principles of the scientific method.
3. Students will master the tools of modern physics; mathematical, computational, and experimental.
4. The student should be able to orally present in a professional, lucid manner, the results and analysis of an experiment or research and effectively answer questions on the topic of their work in a scientific seminar format.
5. The student is expected to have mastered the methods of modern scientific exploration at an appropriate level, and engage in a continual self-examination for any deficiencies, and take advantage of opportunities to rectify them. The goal is to be fully prepared for the Physics GRE exam.

Articulation Agreement UW-Milwaukee Engineering Program

The articulated pre-engineering/engineering agreement with University of Wisconsin-Milwaukee (UWM) creates a curriculum plan so the students at the University of Wisconsin-Parkside (UWP) may complete and transfer coursework applicable to the first two years of the UWM biomedical, civil, electrical, industrial and manufacturing, mechanical and materials engineering majors in the College of Engineering and Applied Science (CEAS), and provides guaranteed transfer to students who complete all of the articulated pre-engineering courses and the UWM admission requirements. Students complete 80-85 credits, and may earn the Associate of Science degree in Physics at UWP. Specific associate degree requirements are in the Associate Degree section of the catalog.

Admission Requirements and the Highlights of the Program

- Students complete the first two years of course work (78-86 credits) at UW-Parkside, then continue at UWM toward one of the majors in UWM CEAS - biomedical, civil, electrical, industrial and manufacturing, mechanical and materials engineering in the College of Engineering and Applied Science (CEAS) with junior standing.
- The transfer with junior standing is guaranteed for students who complete all of the articulated courses within the UWP-UWM agreement with a cumulative GPA no less than the minimum GPA for the individual UWM major to which the student seeks admission.
- All UWP university admission requirements apply. Admission into the UWP-UWM articulated engineering requires placement into MATH 221 Calculus and Analytic Geometry I or successful completion of the pre-requisites for MATH 221 Calculus and Analytic Geometry I.
- During the first 78-86 credits of study (the first two years), students will be primarily advised by UWP faculty but will also have a co-advisor from UWM to facilitate smooth transition to UWM CEAS.
- Students will pay tuition and appropriate fees to the university at which they are enrolled.
- Students admitted under this agreement will be guided by UWM and UWP catalog year of their admission to UWP.
- Students who voluntarily withdraw or do not meet the requirement to continue in the program, may transfer any of their earned UWP/UWM credits into another degree program subject to the credit transfer equivalencies and requirements.

UW-Parkside Associate of Science in Physics / UW-Milwaukee Bachelor of Science Electrical Engineering Agreement 4-Year Plan

Course	Title	Credits
Year 1		
Fall Semester		
UW-Parkside - Electrical Engineering Program		
MATH 221	Calculus and Analytic Geometry I	5
PHYS 201	General Physics I	5
CHEM 101 & CHEM 103	General Chemistry I and General Chemistry Lab I	5
ENGL 101	Composition and Reading	3
	Credits	**18**
Winterim Semester		
Gen Ed	Social/Behavioral Sciences	3
	Credits	**3**
Spring Semester		
MATH 222	Calculus and Analytic Geometry II	5
PHYS 202	General Physics II	5
PHYS 241	Scientific Programming [1]	3
Gen Ed	Social/Behavioral Sciences	3
	Credits	**16**
Summer Semester		
Gen Ed	Social/Behavioral Sciences	3
	Credits	**3**
Year 2		
Fall Semester		
UW-Parkside - Electrical Engineering Program		
MATH 223	Calculus and Analytic Geometry III	5
MATH 317	Differential Equations and their Applications [2]	4
PHYS 302	Electricity and Magnetism [3]	4
ENGL 167	Introduction to Literature (HU)	3
	Credits	**16**
Winterim Semester		
Gen Ed	Humanities/Arts	3
	Credits	**3**
Spring Semester		
PENG 214	Electrical Circuits I [4]	3
PHYS 403	Thermodynamics [5]	3
Gen Ed	Humanities/Arts	3
Gen Ed	Social/Behavioral Sciences	3
ENGL 201	Advanced Composition	3
	Credits	**15**
Summer Semester		
COMM 105	Public Speaking for the 21st Century	3
	Credits	**3**
Year 3		
Fall Semester		
UWM Electrical Engineering		
EAS 200	Professional Seminar	1
ELEC ENG 305	Electrical Circuits II	4
ELEC ENG 310	Signals and Systems	3
ELEC ENG 330	Electronics I	4

ELEC ENG 354	Digital Logic	3
COMP SCI 241	C Programming for Embedded Systems	3
	Credits	**18**
Spring Semester		
ELEC ENG 335	Electronics II	4
ELEC ENG 362	Electromechanical Energy Conversion	4
ELEC ENG 367	Introduction to Microprocessors	4
Technical Elective		6
	Credits	**18**
Year 4		
Fall Semester		
UWM Electrical Engineering		
ELEC ENG 420	Random Signals & Systems	3
3-Approved Technical Electives		9
MATL 201	Engineering Materials	4
	Credits	**16**
Spring Semester		
ELEC ENG 595	Capstone Senior Design project	4
4-Approved Technical Electives		12
	Credits	**16**
	Total Credits	**145**

1 CompSci 240-UWM
2 ELEC ENG 234-UWM
3 ELEC ENG 361-UWM
4 ELEC ENG 301-UWM
5 MECH ENG 301-UWM

Year 1

Humanities/Arts – 0/12 completed; Social/Behavioral Sciences – 9/12 completed; Natural Science 15/12 completed; Total Credits – 40 completed; UW-Milwaukee English Competency (ENGL 167 Introduction to Literature & ENGL 201 Advanced Composition) – not complete

Year 2

Humanities/Arts – 12/12 completed; Social/Behavioral Sciences – 12/12 completed; Natural Science 15/12 completed; Total Credits – 78 completed; UW-Milwaukee English Competency (ENGL 167 Introduction to Literature & ENGL 201 Advanced Composition) – complete.

Foreign Language may be required depending on individual student's backgrounds. Please check UW-Milwaukee requirements.

Note: Students should utilize TIS to determine general education courses that transfer to UWM and meet UWM general education requirements. One of the Humanities/Arts or Social/Behavioral Sciences courses need to also meet Diversity requirement. Computational skills requirement is fulfilled with MATH 111 College Algebra I. Prepared using UW-Parkside's 2017-2019 catalog. UW-Parkside courses specific for the engineering program have prefix PENG.

UW-Parkside Associate of Science in Physics / UW-Milwaukee Bachelor of Science Mechanical Engineering Agreement 4-Year Plan

Course	Title	Credits
Year 1		
Fall Semester		
UW-Parkside - Mechanical Engineering Program		
MATH 221	Calculus and Analytic Geometry I	5
PHYS 201	General Physics I	5
CHEM 101 & CHEM 103	General Chemistry I and General Chemistry Lab I	5
ENGL 101	Composition and Reading	3
	Credits	**18**
Winterim Semester		
Gen Ed	Social/Behavioral Sciences	3
	Credits	**3**
Spring Semester		
MATH 222	Calculus and Analytic Geometry II	5
PHYS 202	General Physics II	5
PHYS 241	Scientific Programming [1]	3
PENG 211	Statics [2]	3
	Credits	**16**
Summer Semester		
Gen Ed	Social/Behavioral Sciences	3
Gen Ed	Humanities/Arts	3
	Credits	**6**
Year 2		
Fall Semester		
UW-Parkside - Mechanical Engineering Program		
MATH 223	Calculus and Analytic Geometry III	5
PENG 212	Dynamics [3]	3
ENGL 167	Introduction to Literature (HU)	3
MATH 317	Differential Equations and their Applications [4]	4
Gen Ed	Social/Behavioral Sciences	3
	Credits	**18**
Winterim Semester		
Gen Ed	Social/Behavioral Sciences	3
COMM 105	Public Speaking for the 21st Century	3
	Credits	**6**
Spring Semester		
PHYS 403	Thermodynamics [5]	3
CHEM 102 & CHEM 104	General Chemistry II and General Chemistry Lab II	5
PENG 214	Electrical Circuits I [6]	3
ENGL 201	Advanced Composition	3
	Credits	**14**
Summer Semester		
Gen Ed	Humanities/Arts	3
	Credits	**3**
Year 3		
Fall Semester		
UWM Mechanical Engineering		
EAS 200	Professional Seminar	1
CIV ENG 303	Strength of Materials	4
MATL ENG 201	Engineering Materials	4
MECH ENG 110	Engineering Fundamentals I	4
MECH ENG 320	Introduction to Fluid Mechanics	3
	Credits	**16**
Spring Semester		
IND ENG 367	Introductory Statistics for Engineers	3
MATL ENG 330	Materials & Processes in Manufacturing	3
MECH ENG 111	Engineering Fundamentals II	4
MECH ENG 321	Basic Heat Transfer	4
MECH ENG 474	Introduction to Control Systems	4
	Credits	**18**
Year 4		
Fall Semester		
UWM Mechanical Engineering		
MECH ENG 323	Fluid Mechanics Laboratory	1

MECH ENG 360	Mechanical Design I	3
MECH ENG 366	Design of Machine Elements	4
MECH ENG 370	Comp Aided Engineer Lab	2
2-Approved Technical Electives		6
	Credits	**16**
Spring Semester		
MECH ENG 438	Mech Engineering Experimentation	3
MECH ENG 479	Mechatronics	3
MECH ENG 496	Senior Design Project	3
3-Approved Technical Electives		9
	Credits	**18**
	Total Credits	**152**

1 MECH ENG 101-UWM
2 CIV ENG 201-UWM
3 CIV ENG 202-UWM
4 ELEC ENG 234-UWM
5 MECH ENG 301-UWM
6 ELEC ENG 301-UWM

Year 1

Humanities/Arts – 3/12 completed; Social/Behavioral Sciences – 6/12 completed; Natural Science 15/12 completed; Total Credits – 43 completed; UW-Milwaukee English Competency (ENGL 167 Introduction to Literature & ENGL 201 Advanced Composition) – not complete.

Year 2

Humanities/Arts – 12/12 completed; Social/Behavioral Sciences – 12/12 completed; Natural Science 15/12 completed; Total Credits – 85 completed; UW-Milwaukee English Competency (ENGL 167 Introduction to Literature & ENGL 201 Advanced Composition) – complete.

Foreign Language may be required depending on individual student's backgrounds. Please check UW-Milwaukee requirements.

Note: Students should utilize TIS to determine general education courses that transfer to UWM and meet UWM general education requirements. One of the Humanities/Arts or Social/Behavioral Sciences courses need to also meet Diversity requirement. Computational skills requirement is fulfilled with MATH 111 College Algebra I. Prepared using UW-Parkside's 2017-2019 catalog. UW-Parkside courses specific for the engineering program have prefix PENG.

UW-Parkside Associate of Science in Physics / UW-Milwaukee Bachelor of Science Industrial & Manufacturing Engineering Agreement 4-Year Plan

Course	Title	Credits
Year 1		
Fall Semester		
UW-Parkside - Industrial and Manufacturing Engineering Program		
MATH 221	Calculus and Analytic Geometry I	5
PHYS 201	General Physics I	5
CHEM 101 & CHEM 103	General Chemistry I and General Chemistry Lab I	5
ENGL 101	Composition and Reading	3
	Credits	**18**
Winterim Semester		
Gen Ed	Social/Behavioral Sciences	3
	Credits	**3**
Spring Semester		
MATH 222	Calculus and Analytic Geometry II	5
PHYS 202	General Physics II	5
PHYS 241	Scientific Programming [1]	3
PENG 211	Statics [2]	3
	Credits	**16**
Summer Semester		
Gen Ed	Humanities/Arts	3
Gen Ed	Humanities/Arts	3
	Credits	**6**
Year 2		
Fall Semester		
UW-Parkside - Industrial and Manufacturing Engineering Program		
COMM 105	Public Speaking for the 21st Century	3
ENGL 167	Introduction to Literature (HU)	3
MATH 223	Calculus and Analytic Geometry III	5
MATH 317	Differential Equations and their Applications [3]	4
PENG 212	Dynamics [4]	3
	Credits	**18**
Winterim Semester		
Gen Ed	Social/Behavioral Sciences	3
	Credits	**3**
Spring Semester		
CHEM 102 & CHEM 104	General Chemistry II and General Chemistry Lab II	5
PHYS 403	Thermodynamics [5]	3
PENG 214	Electrical Circuits I [6]	3
ENGL 201	Advanced Composition	3
Gen Ed	Social/Behavioral Sciences	3
	Credits	**17**
Summer Semester		
Gen Ed	Social/Behavioral Sciences	3
	Credits	**3**
Year 3		
Fall Semester		
UWM Industrial and Manufacturing Engineering		
EAS 200	Professional Seminar	1
IND ENG 370	Introduction to Operations Analysis	3
IND ENG 455	Operations Research I	3
IND ENG 367	Intro Statistics for Engineers	3
MATL ENG 201	Engineering Materials	4
	Credits	**14**
Spring Semester		
IND ENG 111	Introduction to Engineering	3
IND ENG 112	Engineering Drawing & CAD/Drafting	3
IND ENG 465	Operations Research II	3
IND ENG 475	Intro to Simulation Methodology	3
IND ENG 571	Quality Control	3
	Credits	**15**
Year 4		
Fall Semester		
UWM Industrial and Manufacturing Engineering		
IND ENG 350	Manufacturing Processes	3
IND ENG 470	Methods Engineering	3
IND ENG 580	Ergonomics	3
IND ENG 583	Facility Layout & Mat Handling	3
Approved Technical Elective		3
	Credits	**15**

Spring Semester		
IND ENG 360	Engineering economic Analysis	3
IND ENG 575	Design of Experiments	3
IND ENG 485	Senior Design Project	3
IND ENG XXX	2 Approved Technical Electives	6
	Credits	**15**
	Total Credits	**143**

1 CompSci 240-UWM
2 CIV ENG 201-UWM
3 ELEC ENG 234-UWM
4 CIV ENG 202-UWM
5 MECH ENG 301-UWM
6 ELEC ENG 301-UWM

Year 1

Humanities/Arts – 6/12 completed; Social/Behavioral Sciences – 3/12 completed; Natural Science 15/12 completed; Total Credits – 43 completed; UW-Milwaukee English Competency (ENGL 167 Introduction to Literature & ENGL 201 Advanced Composition) – not complete.

Year 2

Humanities/Arts – 12/12 completed; Social/Behavioral Sciences – 12/12 completed; Natural Science 15/12 completed; Total Credits – 85 completed; UW-Milwaukee English Competency (ENGL 167 Introduction to Literature & ENGL 201 Advanced Composition) – complete.

Foreign Language may be required depending on individual student's backgrounds. Please check UW-Milwaukee requirements.

Note: Students should utilize TIS to determine gen. ed. courses that transfer to UWM and meet UWM general education requirements. One of the Humanities/Arts or Social/Behavioral Sciences courses need to also meet Diversity requirement. Computational skills requirement is fulfilled with MATH 111 College Algebra I. Prepared using UW-Parkside's 2017-2019 catalog. UW-Parkside courses specific for the engineering program have prefix PENG.

UW-Parkside Associate of Science in Physics / UW-Milwaukee Bachelor of Science Biomedical Engineering Agreement 4-Year Plan

Course	Title	Credits
Year 1		
Fall Semester		
UW-Parkside - Biomedical Engineering Program		
MATH 221	Calculus and Analytic Geometry I	5
PHYS 201	General Physics I	5
CHEM 101 & CHEM 103	General Chemistry I and General Chemistry Lab I	5
ENGL 101	Composition and Reading	3
	Credits	**18**
Winterim Semester		
Gen Ed	Social/Behavioral Sciences	3
	Credits	**3**
Spring Semester		
MATH 222	Calculus and Analytic Geometry II	5
PHYS 202	General Physics II	5
PHYS 241	Scientific Programming [1]	3
PENG 211	Statics [2]	3
	Credits	**16**
Summer Semester		
Gen Ed	Social/Behavioral Sciences	3
Gen Ed	Humanities/Arts	3
	Credits	**6**
Year 2		
Fall Semester		
UW-Parkside - Biomedical Engineering Program		
MATH 223	Calculus and Analytic Geometry III	5
PENG 212	Dynamics [3]	3
BIOS 105	Human Physiology and Anatomy I	5
MATH 317	Differential Equations and their Applications [4]	4
	Credits	**17**
Winterim Semester		
Gen Ed	Social/Behavioral Sciences	3
COMM 105	Public Speaking for the 21st Century	3
	Credits	**6**
Spring Semester		
PENG 214	Electrical Circuits I [5]	3
PHYS 403	Thermodynamics [6]	3
BIOS 106	Human Physiology and Anatomy II	5
ENGL 201	Advanced Composition	3
ENGL 167	Introduction to Literature (HU)	3
	Credits	**17**
Summer Semester		
Gen Ed	Social Behavioral Sciences	3
Gen Ed	Humanities/Arts	3
	Credits	**6**
Year 3		
Fall Semester		
UWM Biomedical Engineering		
EAS 200	Professional Seminar	1
BME 101	Fundamental of Biomedical Engineering	3
ELEC ENG 305	Electrical Circuits II	4
BME 302	Analysis of Dynamic Systems	4
MATL ENG 201	Engineering Materials	4
	Credits	**16**
Spring Semester		
BME 320	Engineering of Biomedical Devices 1	4
BME 305	Engineering Biomechanics	3
IND ENG 367	Intro to Statistics for Engineers	3
ELEC ENG 310	Signals and Systems	3
	Credits	**13**
Year 4		
Fall Semester		
UWM Biomedical Engineering		
BME 325	Engineering of Biomed. Devices 2	3
BME 385	Introduction to Biomaterials	3
BME 495	Biomedical Instrumentation Lab/Senior Lab	3
2-Technical Elective		6
	Credits	**15**
Spring Semester		
BME 595	Capstone Design Project	4
2-Technical Elective		6
	Credits	**10**
	Total Credits	**143**

1 MECH ENG 101-UWM
2 CIV ENG 201-UWM
3 CIV ENG 202-UWM

[4] ELEC ENG 234-UWM
[5] ELEC ENG 301-UWM
[6] MECH ENG 301-UWM

Year 1

Humanities/Arts – 3/12 completed; Social/Behavioral Sciences – 6/12 completed; Natural Science 15/12 completed; Total Credits – 43 completed; UW-Milwaukee English Competency (ENGL 167 Introduction to Literature & ENGL 201 Advanced Composition) – not complete.

Year 2

Humanities/Arts – 12/12 completed; Social/Behavioral Sciences – 12/12 completed; Natural Science 15/12 completed; Total Credits – 90 completed; UW-Milwaukee English Competency (ENGL 167 Introduction to Literature & ENGL 201 Advanced Composition) – complete.

Foreign Language may be required depending on individual student's backgrounds. Please check UW-Milwaukee requirements.

Note: Students should utilize TIS to determine general education courses that transfer to UWM and meet UWM general education requirements. One of the Humanities/Arts or Social/Behavioral Sciences courses need to also meet Diversity requirement. Computational skills requirement is fulfilled with MATH 111 College Algebra I. Prepared using UW-Parkside's 2017-2019 catalog. UW-Parkside courses specific for the engineering program have prefix PENG.

UW-Parkside Associate of Science in Physics / UW-Milwaukee Bachelor of Science Civil Engineering Agreement 4-Year Plan

Course	Title	Credits
Year 1		
Fall Semester		
UW-Parkside - Civil Engineering Program		
MATH 221	Calculus and Analytic Geometry I	5
PHYS 201	General Physics I	5
CHEM 101 & CHEM 103	General Chemistry I and General Chemistry Lab I	5
ENGL 101	Composition and Reading	3
	Credits	**18**
Winterim Semester		
Gen Ed	Social/Behavioral Sciences	3
	Credits	**3**
Spring Semester		
MATH 222	Calculus and Analytic Geometry II	5
PHYS 202	General Physics II	5
Gen Ed	Social/Behavioral Sciences	3
PENG 211	Statics [1]	3
	Credits	**16**
Summer Semester		
Gen Ed	Humanities/Arts	3
	Credits	**3**
Year 2		
Fall Semester		
UW-Parkside - Civil Engineering Program		
COMM 105	Public Speaking for the 21st Century	3
ENGL 167	Introduction to Literature (HU)	3
MATH 223	Calculus and Analytic Geometry III	5
MATH 317	Differential Equations and their Applications [2]	4
PENG 212	Dynamics [3]	3
	Credits	**18**
Winterim Semester		
Gen Ed	Social/Behavioral Sciences	3
	Credits	**3**
Spring Semester		
PENG 216	Engineering Drawing and Computer Aided Design [4]	3
PHYS 403	Thermodynamics [5]	3
CHEM 102 & CHEM 104	General Chemistry II and General Chemistry Lab II	5
ENGL 201	Advanced Composition	3
Gen Ed	Humanities/Arts	3
	Credits	**17**
Summer Semester		
Gen Ed	Social/Behavioral Sciences	3
	Credits	**3**
Year 3		
Fall Semester		
UWM Civil Engineering		
EAS 200	Professional Seminar	1
CIV ENG 280	Computer Based Engineering Analysis	3
CIV ENG 303	Strength of Materials	4
IND ENG 111	Introduction to Engineering	3
MECH ENG 320	Introduction to Fluid Mechanics	3
	Credits	**14**
Spring Semester		
CIV ENG 250	Surveying for Construction	3
CIV ENG 372	Introduction to Structural Design	4
CIV ENG 411	Water Resources Design	3
CIV ENG 490	Transportation Engineering	3
Natural Science Elective		5
	Credits	**18**
Year 4		
Fall Semester		
UWM Civil Engineering		
CIV ENG 335	Soil Mechanics	3
CIV ENG 413	Environmental Engineering	3
CIV ENG 494	Principles of CE Design	1
2 Approved Technical Electives		6
MATL ENG 201	Engineering Materials	4
	Credits	**17**
Spring Semester		
CIV ENG 495	Senior Design	3
4-Approved Technical Electives		12
IND ENG 360	Engineering Economic Analysis	3
	Credits	**18**
	Total Credits	**148**

[1] CIV ENG 201-UWM
[2] ELEC ENG 234-UWM
[3] CIV ENG 202-UWM
[4] IND ENG 112-UWM
[5] MECH ENG 301-UWM

Year 1

Humanities/Arts – 3/12 completed; Social/Behavioral Sciences – 6/12 completed; Natural Science 15/12 completed; Total Credits – 43 completed; UW-Milwaukee English Competency (ENGL 167 Introduction to Literature & ENGL 201 Advanced Composition) – not complete.

Year 2

Humanities/Arts – 12/12 completed; Social/Behavioral Sciences – 12/12 completed; Natural Science 15/12 completed; Total Credits – 85 completed; UW-Milwaukee English Competency (ENGL 167 Introduction to Literature & ENGL 201 Advanced Composition) – complete.

Foreign Language may be required depending on individual student's backgrounds. Please check UW-Milwaukee requirements.

Note: Students should utilize TIS to determine general education courses that transfer to UWM and meet UWM general education requirements. One of the Humanities/Arts or Social/Behavioral Sciences courses need to also meet Diversity requirement. Computational skills requirement is fulfilled with MATH 111 College Algebra I. Prepared using UW-Parkside's 2017-2019 catalog. UW-Parkside courses specific for the engineering program have prefix PENG.

UW-Parkside Associate of Science in Physics / UW-Milwaukee Bachelor of Science Materials Engineering Agreement 4-Year Plan

Course	Title	Credits
Year 1		
Fall Semester		
UW-Parkside - Materials Engineering Program		
MATH 221	Calculus and Analytic Geometry I	5
PHYS 201	General Physics I	5
CHEM 101 & CHEM 103	General Chemistry I and General Chemistry Lab I	5
ENGL 101	Composition and Reading	3
	Credits	**18**
Winterim Semester		
Gen Ed	Social/Behavioral Sciences	3
	Credits	**3**
Spring Semester		
MATH 222	Calculus and Analytic Geometry II	5
PHYS 202	General Physics II	5
PHYS 241	Scientific Programming [1]	3
PENG 211	Statics [2]	3
	Credits	**16**
Summer Semester		
Gen Ed	Humanities/Arts	3
	Credits	**3**
Year 2		
Fall Semester		
UW-Parkside - Materials Engineering Program		
COMM 105	Public Speaking for the 21st Century	3
MATH 223	Calculus and Analytic Geometry III	5
MATH 317	Differential Equations and their Applications [3]	4
PENG 212	Dynamics [4]	3
ENGL 167	Introduction to Literature (HU)	3
	Credits	**18**
Winterim Semester		
Gen Ed	Social/Behavioral Sciences	3
	Credits	**3**
Spring Semester		
CHEM 102 & CHEM 104	General Chemistry II and General Chemistry Lab II	5
PENG 214	Electrical Circuits I [5]	3
ENGL 201	Advanced Composition	3
Gen Ed	Humanities/Arts	3
Gen Ed	Social/Behavioral Sciences	3
	Credits	**17**
Summer Semester		
Gen Ed	Social/Behavioral Sciences	3
MATL ENG 201 at UWM		4
	Credits	**7**
Year 3		
Fall Semester		
UWM Materials Engineering		
EAS 200	Professional Seminar	1
CIV ENG 303	Strength of Materials	4
MATL ENG 402	Physical Metallurgy	3
MATL ENG 410	Mechanical Behavior of Materials	3
IND ENG 467	Intro to Statistics for Physical Sciences & Engineers	3
	Credits	**14**
Spring Semester		
MATL ENG 330	Materials Processing	3
MATL ENG 442	Thermodynamics of Materials	3
MATL ENG 453	Polymeric Materials	3
Technical Elective		3
	Credits	**12**
Year 4		
Fall Semester		
UWM Materials Engineering		
MATL ENG 411	Materials Laboratory	3
MATL ENG 452	Ceramic Materials	3
MATL ENG 490	Senior Design Project 1	1
3-Technical Electives		9
	Credits	**16**
Spring Semester		
MATL ENG 443	Transport & Kinetics in Materials Processing	3
MATL ENG 491	Senior Design Project 2	3
3-Technical Electives		9
	Credits	**15**
	Total Credits	**142**

1. CompSci 240-UWM
2. CIV ENG 201-UWM
3. ELEC ENG 234-UWM
4. CIV ENG 202-UWM
5. ELEC ENG 301-UWM

Year 1

Humanities/Arts – 3/12 completed; Social/Behavioral Sciences – 3/12 completed; Natural Science 15/12 completed; Total Credits – 40 completed; UW-Milwaukee English Competency (ENGL 167 Introduction to Literature & ENGL 201 Advanced Composition) – not complete.

Year 2

Humanities/Arts – 12/12 completed; Social/Behavioral Sciences – 12/12 completed; Natural Science 15/12 completed; Total Credits – 85 completed; UW-Milwaukee English Competency (ENGL 167 Introduction to Literature & ENGL 201 Advanced Composition) – complete.

Foreign Language may be required depending on individual student's backgrounds. Please check UW-Milwaukee requirements.

Note: Students should utilize TIS to determine general education courses that transfer to UWM and meet UWM general education requirements. One of the Humanities/Arts or Social/Behavioral Sciences courses need

to also meet Diversity requirement. Computational skills requirement is fulfilled with MATH 111 College Algebra I. Prepared using UW-Parkside's 2017-2019 catalog. UW-Parkside courses specific for the engineering program have prefix PENG.

Programs Offered

- Mathematics Major (BS) (p. 238)
- Physics Major (BS) (p. 240)
- Mathematics Minor (p. 241)
- Physics Minor (p. 241)
- Physics (AS) (p. 50)

Courses in Math

MATH 100 | Foundations of College Mathematics | 2 cr

Covers arithmetic, linear expressions and equations, linear graphs, exponents, and polynomial multiplication and factoring in preparation for MATH 102, MATH 104, and MATH 111.
Prerequisites: None.
Offered: Fall, Spring.

MATH 102 | Quantitative Reasoning | 4 cr

Covers topics selected from review of algebra fundamentals, sets, logic, number theory, geometry, consumer math, linear and exponential modeling, math and the arts, voting methods, probability, and statistics. Intended for students who need no further mathematics courses beyond competency.
Prerequisites: MATH 100 with a grade of C- or better; or appropriate placement.
Offered: Fall, Spring.
Meets: Computational Skills, Computational Skills, Computational Skills, Computational Skills, Computational Skills, Computational Skills, Computational Skills, Computational Skills, Computational Skills, Computational Skills

MATH 103 | Elementary Statistics | 4 cr

Introduces modern statistics including statistics and data, displaying descriptive statistics, measures of central tendency and dispersion, probability and counting, the binomial and normal probability distributions, sampling and sampling distributions, confidence intervals, hypothesis testing; and correlation and regression. Not open to students with credits in any of these courses: BIOS 210, GEOS 295, MATH 203, POLS 200, PSYC 250, QM 210, 310, SOCA 250, 295 or 300. Four-hour lecture.
Prerequisites: MATH 100 with a grade of C- or better; or appropriate placement.
Offered: Fall, Spring.
Meets: Natural Science: MATH, Computational Skills, Computational Skills, Natural Science: MATH, Computational Skills, Computational Skills, Natural Science: MATH, Computational Skills, Computational Skills, Natural Science: MATH, Computational Skills, Computational Skills, Natural Science: MATH, Computational Skills, Computational Skills

MATH 104 | College Mathematics with Applications | 4 cr

Covers topics from college algebra (such as functions, linear, exponential and logarithmic models), statistics, and graphing. Emphasizes proportional reasoning, modeling, problem-solving and applications. Intended for students whose program does not require further coursework in pre-calculus or calculus. Four-hour lecture.
Prerequisites: MATH 100 with a grade of C- or better; or appropriate placement.
Offered: Fall, Spring.
Meets: Computational Skills, Computational Skills, Computational Skills, Computational Skills, Computational Skills, Computational Skills, Computational Skills, Computational Skills, Computational Skills, Computational Skills

MATH 105AX | Business Algebra Fundamentals | 2 cr

Models business scenarios using algebraic techniques and analysis to help solve business problems and make predictions. Successfully completing MATH 105AX, MATH 105BX, and MATH 105CX satisfies the UW-P computational skills requirement for flexible option students.
Prerequisites: Admission to the Flexible Option Program and consent of program representative.

MATH 105BX | Money in the Bank: Application of Exponential and Logarithmic Functions | 1 cr

Covers evaluation of investment options, including factors such as interest rate, compounding period, and length of contract. Applies exponential and logarithmic functions to determine the best investment options. Successfully completing MATH 105AX, MATH 105BX, and MATH 105CX satisfies the UW-P computational skills requirement for flexible option students.
Prerequisites: MATH 105AX; admission to the Flexible Option Program and consent of program representative.

MATH 105CX | Application of Algebraic Methods to Model and Solve Business Problems | 1 cr

Models business scenarios using algebraic methods. Identifies and applies the best method to solve the business problems. Successfully completing MATH 105AX, MATH 105BX, and MATH 105CX satisfies the UW-P computational skills requirement for flexible option students.
Prerequisites: MATH 105BX; admission to the Flexible Option Program and consent of program representative.

MATH 110 | Cultural Perspectives of Mathematics | 3 cr

Surveys the development of mathematics through a variety of cultural perspectives. Includes the historical evolution of counting systems, mathematical tools, geometry, and other mathematical techniques. Examines how mathematics is used and portrayed in modern society and what biases exist in our understanding of mathematics and mathematicians.
Prerequisites: None.
Offered: Spring.
Meets: Natural Science: MATH, Natural Science: MATH, Natural Science: MATH, Natural Science: MATH, Natural Science: MATH

MATH 111 | College Algebra I | 5 cr
Explores linear equations, single and compound inequalities, and absolute value equations and inequalities; equations of lines and linear systems; exponential and polynomial operations with function evaluation; polynomial factoring by combinations of GCF, grouping, trinomial including quadratic-in-form, difference of squares, and sum and difference of cubes; quadratic and higher-degree equations by factoring; rational operations and equations; variation; radical operations and equations with up to two radical terms; complex numbers; completing the square and quadratic formula for quadratic equations; general polynomial equations; quadratic functions with graphing; introduction to exponential and logarithmic functions and equations.
Prerequisites: MATH 100 with a grade of C- or better; or appropriate placement.
Offered: Fall, Spring.
Meets: Computational Skills, Computational Skills, Computational Skills, Computational Skills, Computational Skills, Computational Skills, Computational Skills, Computational Skills, Computational Skills, Computational Skills

MATH 112 | College Algebra II | 4 cr
Explores functions and graphs, polynomial functions, exponential and logarithmic functions, sequences, series, induction and combinatorics. Four hour lecture.
Prerequisites: MATH 111 with C or better; or equivalent; or appropriate placement.
Offered: Fall, Spring.

MATH 113 | Trigonometry | 2 cr
Introduces trigonometry with applications including angular and circular definitions of trigonometric functions, graphing, use of fundamental identities.
Prerequisites: MATH 112 or equivalent or concurrent registration.
Offered: Fall, Spring.

MATH 114 | College Algebra II/Trigonometry | 5 cr
Covers functions and graphs, polynomials and rational functions, exponential and logarithmic functions, trigonometric functions, trigonometric identities and equations, applications, sequences, series. Not open to those with credit in MATH 112 or 113.
Prerequisites: MATH 111 with C or better; or equivalent, or appropriate placement; not open to those with credit in MATH 112 or MATH 113.
Offered: Fall, Spring.

MATH 203 | Intermediate Statistics | 3 cr
Introduces inferential statistics including elementary combinatorics and probability, binomial and normal distributions, Central Limit Theorem, estimation, confidence intervals, hypothesis testing, correlation, regression, chi-square distribution, and analysis of variance.
Prerequisites: Successful completion of Computational Skills requirement.
Offered: Spring.

MATH 215 | Math for Middle Childhood Through Early Adolescence Teachers I | 3 cr
Topics include the development of the algorithms of arithmetic, numeration systems, problem solving, number theory and set theory.
Prerequisites: MATH 111 with grade of C or better or consent of instructor.
Offered: Occasionally.

MATH 216 | Math for Middle Childhood Thru Early Adolescence Teachers II | 3 cr
Topics include introductory geometry, constructions, congruence, similarity, motion geometry, concepts of measurements, probability and statistics.
Prerequisites: MATH 215.
Offered: Occasionally.

MATH 221 | Calculus and Analytic Geometry I | 5 cr
Explains rate of change and limits, differentiation, applications of the derivative, integration, applications of the integral and transcendental functions.
Prerequisites: MATH 112 and MATH 113 or equivalent; or appropriate placement.
Offered: Fall, Spring.
Meets: Natural Science: MATH, Natural Science: MATH, Natural Science: MATH, Natural Science: MATH, Natural Science: MATH

MATH 222 | Calculus and Analytic Geometry II | 5 cr
Examines methods of integration, analytic geometry, polar coordinates, hyperbolic functions, infinite series, power series, and introduces ordinary differential equations.
Prerequisites: MATH 221.
Offered: Fall, Spring.
Meets: Natural Science: MATH, Natural Science: MATH, Natural Science: MATH, Natural Science: MATH, Natural Science: MATH

MATH 223 | Calculus and Analytic Geometry III | 5 cr
Explains vectors and parametric equations, vector functions and their derivatives, partial and directional derivatives, multiple integrals, vector analysis, Green's Theorem and Stokes' Theorem.
Prerequisites: MATH 222.
Offered: Fall.

MATH 231 | Discrete Mathematics | 3 cr
Covers sets; the number system; Boolean algebra; formal logic and proofs; relations and functions; combinatorics and recurrence relations; graphs and trees. Cross-listed with: CSCI 231.
Prerequisites: MATH 112 with a C or better.
Offered: Fall, Spring.

MATH 290 | Special Topics in Mathematics | 1-4 cr
Selected topics in mathematics will be examined.
Prerequisites: None.
Offered: Occasionally.

MATH 301 | Linear Algebra | 4 cr
Introduction to linear algebra including systems of equations, matrices, determinants, vector spaces and linear transformations, and diagonalization.
Prerequisites: MATH 223; or MATH 222 and consent of instructor.
Offered: Fall.

MATH 303 | Set Theory, Logic and Proof | 4 cr
Examines elementary propositional and predicate logic; language and axioms of set theory; operations on sets; well-orderings, ordinals, transfinite induction and recursion; cardinals; the axiom of choice; combinatorics; reading and writing of proofs in mathematics. Cross-listed with: PHIL 303.
Prerequisites: MATH 222; or PHIL 201 and consent of instructor.
Offered: Fall.

MATH 309 | Probability and Statistics | 3 cr
Covers elementary probability, random variables, properties of distributions, sampling, queuing theory, central limit theorem and law of large numbers. Cross-listed with: CSCI 309.
Prerequisites: MATH 221 with a C or better.
Offered: Spring.

MATH 310 | Advanced Probability Theory and Statistics | 4 cr
The main mathematical methods and techniques of probability theory; random variables, expected values, variance, central limit theorem, parameter estimation and hypothesis testing.
Prerequisites: MATH 223.
Offered: Fall.

MATH 317 | Differential Equations and their Applications | 4 cr
Examines first- and second-order differential equations and applications; higher-order linear differential equations; series solutions of second-order differential equations; Laplace transforms; matrix algebra, systems of equations, eigen values and eigenvectors; systems of differential equations; and partial differential equations.
Prerequisites: MATH 222.
Offered: Fall.

MATH 331 | Logic and Combinatorics | 3 cr
Permutations and combinations, graphs, trees, mathematical induction, propositional calculus, Mathematica and its applications in combinatorics, number theory and linear programming. Intended for students working for teaching certification in Mathematics.
Prerequisites: MATH 222.

MATH 350 | Advanced Calculus | 4 cr
Covers the fundamental notions of limits, continuity, uniform continuity, derivative, and integral. Examines infinite series with a study of convergence and uniform convergence.
Prerequisites: MATH 223, MATH 303.
Offered: Spring.

MATH 361 | Foundations of Geometry | 3 cr
Introduction to axiomatic geometry including Euclidean, non-Euclidean, and projective geometries.
Prerequisites: MATH 222.

MATH 367 | Elementary Number Theory | 4 cr
Prime numbers, fundamental theorem of arithmetic, congruence, quadratic residues and quadratic reciprocity, number theoretic functions and diophantine equations.
Prerequisites: MATH 222.

MATH 368 | Mathematical Modeling | 3 cr
Surveys mathematical models, models involving differential equations, probabilistic models, Markovian-models, simulation, and Monte Carlo methods. Cross-listed with: CSCI 368.
Prerequisites: MATH 222; PHYS 241 or CSCI 130; or consent of instructor.
Offered: Yearly.

MATH 370 | Numerical Analysis | 4 cr
Introduces theory and practical use of certain basic numerical methods that often arise in applications. Covers numerical methods for solving linear and nonlinear equations, approximating functions, computing integrals, and derivatives.
Prerequisites: MATH 317 or consent of instructor.
Offered: Spring.

MATH 373 | History of Mathematics | 3 cr
Main lines of mathematical development from the Babylonians, Egyptians and Greeks to the present day; the lives of great mathematicians: Euclid, Archimedes, Descartes, Newton, Gauss, Cantor.
Prerequisites: MATH 221 or consent of instructor.
Offered: Occasionally.

MATH 401 | Applied Mathematics | 3 cr
Explores traditional analytical and numerical methods enriched by modern mathematical developments and applications to various fields such as ocean and atmospheric sciences. Combines approximate forms of the basic mathematical equations of motion with analysis.
Prerequisites: MATH 223 and MATH 317.
Offered: Fall (odd years).

MATH 423 | Complex Analysis | 4 cr
Examines elementary functions of a complex variable; analytic -functions; complex integrals and residue theory; conformal mapping; applications to electrostatics and hydrodynamics.
Prerequisites: MATH 223, MATH 303.
Offered: Spring.

MATH 441 | Abstract Algebra | 4 cr
A study of group theory which includes subgroups, normal subgroups, isomorphisms, quotient groups, Cayley's Theorem, and Lagrange's Theorem. Provides an introduction to ring theory which includes subrings, ideals and factor rings, and polynomial rings.
Prerequisites: MATH 301, MATH 303 or consent of instructor.
Offered: Fall.

MATH 451 | Topology | 4 cr
Explores theory of topological spaces, metric spaces, continuous functions, connectedness, compactness, and manifolds.
Prerequisites: MATH 301 and MATH 350; or consent of instructor.
Offered: Occasionally.

MATH 461 | Differential Geometry | 3 cr
Local theory of curves and surfaces, curvature tensors, and global theory of surfaces.
Prerequisites: MATH 301 and MATH 350.
Offered: Occasionally.

MATH 490 | Special Topics in Mathematics | 1 cr
Intensive treatment of various specialized areas of mathematics.
Prerequisites: Instructor consent.
Offered: Occasionally.

MATH 495 | Senior Seminar | 1-2 cr
Research and presentation of selected topics from the mathematical literature.
Prerequisites: Senior standing and consent of instructor.
Offered: Fall.

MATH 499 | Independent Study | 1-4 cr
Prerequisites: Consent of instructor and department chair.
Offered: Occasionally.

Courses in Physics

PHYS 101 | Principles of Physics | 4 cr
A one-semester introduction to fundamental principles of physics, their experimental basis, and applications. For students who need an introductory course in physics. Not open to students with credit in PHYS 105 or 201. Three-hour lecture/demo; one-hour discussion.
Prerequisites: Completion of computational skills requirement or equivalent.
Offered: Fall, Spring.
Meets: Natural Science: PHYS, Natural Science: PHYS, Natural Science: PHYS, Natural Science: PHYS, Natural Science: PHYS

PHYS 105 | College Physics I | 5 cr
Mechanics, heat, and sound. Not recommended for students majoring in physical science or engineering. Not open to students with credit in PHYS 201. Three-hour lecture; one-hour discussion; three-hour lab. Enrollment in Lecture, Discussion, and a Lab required.
Prerequisites: MATH 113, MATH 114 or equivalent.
Offered: Fall.
Meets: Natural Science: PHYS, Natural Science: PHYS, Natural Science: PHYS, Natural Science: PHYS, Natural Science: PHYS

PHYS 106 | College Physics II | 5 cr
Electricity and magnetism, light and modern physics. Not open to students with credit in PHYS 202. Three-hour lecture; one-hour discussion; three-hour lab.
Prerequisites: PHYS 105.
Offered: Spring.

PHYS 110 | Introduction to Astronomy | 3 cr
Explores astronomy for non-scientists with limited mathematics. Introduces the celestial sphere, constellations, and planets. Investigates topics such as solar system objects, cosmic distance scale, exoplanets, stellar evolution, galactic structure, and cosmology. Three-hour lecture.
Prerequisites: None.
Offered: Occasionally.
Meets: Natural Science: PHYS, Natural Science: PHYS, Natural Science: PHYS, Natural Science: PHYS, Natural Science: PHYS

PHYS 120 | Astronomy of Native America | 3 cr
Examines the astronomical views of Native Americans and looks at how mythos, science and discrimination intersect. Evaluates current cultural conflicts between science and native groups. Draws additional examples of the cultural development of astronomy and science from the Americas, Africa, Oceania, and Asia. Community-based learning designation. Cross-listed with: ETHN 120.
Prerequisites: None.
Offered: Fall, Spring.
Meets: Natural Science: PHYS, Ethnic Diversity, Community Based Learning, Natural Science: PHYS, Ethnic Diversity, Community Based Learning, Natural Science: PHYS, Ethnic Diversity, Community Based Learning, Natural Science: PHYS, Ethnic Diversity, Community Based Learning, Natural Science: PHYS, Ethnic Diversity, Community Based Learning

PHYS 150 | Physics of Music | 3 cr
An introduction to the basic physical principles underlying music and musical instruments. Not for credit towards Physics major.
Prerequisites: None.
Offered: Fall.
Meets: Natural Science: PHYS, Natural Science: PHYS, Natural Science: PHYS, Natural Science: PHYS, Natural Science: PHYS

PHYS 201 | General Physics I | 5 cr
Investigates mechanics, heat, and sound. For physical science and engineering majors. Enrollment in Three-hour lecture; one-hour discussion; three-hour lab required.
Prerequisites: MATH 221 with C or higher or concurrent registration.
Offered: Fall, Spring.
Meets: Natural Science: PHYS, Natural Science: PHYS, Natural Science: PHYS, Natural Science: PHYS, Natural Science: PHYS

PHYS 202 | General Physics II | 5 cr
Investigates electricity and magnetism, geometrical optics, and physical optics. For physical science and engineering majors. Enrollment in Three hour lecture; one-hour discussion; three-hour lab required.
Prerequisites: PHYS 201; MATH 222 or concurrent registration.
Offered: Fall, Spring.

PHYS 205 | Modern Physics | 3 cr
Special relativity. Elements of quantum mechanics. Introduction to atomic, molecular, solid state, nuclear, and particle physics. Three-hour lecture.
Prerequisites: PHYS 202.
Offered: Fall.

PHYS 213 | Thermodynamics | 3 cr

PHYS 241 | Scientific Programming | 3 cr
Studies programming in MATLAB and another high-level language, such as Python, with applications to science and engineering.
Prerequisites: PHYS 201; MATH 221 or consent of instructor.
Offered: Spring.

PHYS 290 | Special Topics in Physics | 1-4 cr
Special topics in physics will be examined.
Prerequisites: Consent of instructor.
Offered: Occasionally.

PHYS 295 | Physics Research Seminar I | 1 cr
Introduces students to branches and interdisciplinary fields of physics; experimental, theoretical, and computational. Emphasizes the breadth of applicability of physics as well as current areas of interest, through note-taking, discussions, and other resources. Leads to individual student oral presentation on physics topic of choice.
Prerequisites: PHYS 202 or concurrent enrollment; or consent of instructor.
Offered: Fall.

PHYS 297 | Physics Research Seminar II | 1 cr
Second research seminar course. Introduces students to branches and interdisciplinary fields of physics; experimental, theoretical, and computational. Emphasizes the breadth of applicability of physics as well as current areas of interest, through note-taking, discussions, and other resources. Leads to individual student written presentation on physics topic of choice.
Prerequisites: PHYS 202 or concurrent enrollment; or consent of instructor.
Offered: Spring.

PHYS 301 | Classical Mechanics | 4 cr
Vector analysis, conservation laws, planetary motion, rigid body dynamics, free and forced oscillations, normal coordinates, moving coordinate systems, generalized coordinates, Lagrangian and Hamiltonian formulations. Continuum mechanics. Four-hour lecture.
Prerequisites: PHYS 201 and PHYS 202 with a grade of C or better; MATH 317, or concurrent registration or consent of instructor.
Offered: Fall (even years).

PHYS 302 | Electricity and Magnetism | 4 cr
Examines electrostatics, magnetostatics, and electromagnetic fields through Maxwell's equations with basic applications. Includes radiation, Lienard-Wiechert potentials, sources of radiation, antenna theory, scalar diffraction theory and wave optics for transparent or conductive media. Four-hour lecture.
Prerequisites: PHYS 201 and PHYS 202 with grades of C or better; MATH 317 or concurrent registration; or consent of instructor.
Offered: Spring.

PHYS 303 | Computational Physics | 3 cr
Introduces computational physics with applications to classical mechanics, electromagnetism, and quantum mechanics. Monte Carlo methods. Introduction to molecular dynamics. Three-hour lecture.
Prerequisites: PHYS 201 and PHYS 202 with a grade of C or better; PHYS 205; MATH 223, PHYS 241, or consent of instructor.
Offered: Spring.

PHYS 306 | Advanced Experiments in Physics | 3 cr
Covers advanced experiments in optics, atomic, molecular, solid state, and nuclear physics. Analog electronics through transistors and op-amps. Basic digital electronics. Six-hour lab.
Prerequisites: PHYS 201 and 202 with a grade of C or better; PHYS 205.
Offered: Spring (odd years).

PHYS 401 | Mathematical Methods of Physics | 3 cr
Applies mathematical methods to physical sciences with emphasis on physics. Covers a wide range of mathematical methods, including vector and tensor analysis and coordinate transformations, complex variables, Fourier series and integral transforms, Sturm-Liouville systems and orthogonal functions, partial differential equations, calculus of variations, and probability and statistics.
Prerequisites: MATH 223 and 317.
Offered: Fall (even years).

PHYS 403 | Thermodynamics | 3 cr
Examines laws of thermodynamics, and equations of state and state variables to describe thermodynamic systems at or near equilibrium. Covers Legendre transformations and thermodynamic potentials, Maxwell relations, and phase transformations. Investigates applications of thermodynamics such as heat engines, refrigerators, and liquefaction of gases under extreme conditions.
Prerequisites: PHYS 201, PHYS 202 with grades of C or better; MATH 223, MATH 317.
Offered: Spring.

PHYS 413 | Statistical Mechanics | 3 cr
Delves into classical and quantum statistical mechanics: Maxwell-Boltzmann speed distribution, partition functions, statistical ensembles, black body radiation, Debye theory of solids, Fermi and Bose gases, and the Ising model.
Prerequisites: PHYS 403 or consent of instructor.
Offered: Fall.

PHYS 441 | Quantum Physics | 4 cr
Explores quantum mechanics, free particle in wave mechanics, particles in one-dimensional potentials, axiomatic foundations of quantum mechanics, the evolution of states in time, particles in three dimensions, angular momentum, central potentials. Introduces the concept of spin and the exclusion principle, and the Dirac equation with its associated henomenology. Four-hour lecture.
Prerequisites: PHYS 201 and PHYS 202 with grades of C or better; PHYS 205; MATH 301 and MATH 317 or MATH 401; or consent of instructor.
Offered: Spring (odd years).

PHYS 490 | Special Topics in Physics | 1-4 cr
Examines special topics in physics.
Prerequisites: PHYS 201 and PHYS 202 with grades of C or better and consent of instructor.
Offered: Occasionally.

PHYS 494 | Internship in Physics | 1-3 cr
Work in a physics-related position under joint supervision of a physics faculty and a member of the sponsoring public or private organization. Consent of instructor and department chair.
Prerequisites: PHYS 201 and PHYS 202 with C or better in each; GPA of 2.5 or higher.
Offered: Fall, Spring, Summer.

PHYS 495 | Senior Seminar | 2 cr
Provides opportunity for a directed study of a current topic in physics.
Prerequisites: PHYS 201 and PHYS 202 with C or better in both; junior or senior standing.
Offered: Fall, Spring.

PHYS 497 | Senior Thesis | 1-2 cr
Investigates advanced topics in physics.
Prerequisites: PHYS 201 and PHYS 202 with C or better; and consent of instructor.
Offered: Occasionally.

PHYS 499 | Independent Study | 1-3 cr
Investigates advanced topics in physics.
Prerequisites: PHYS 201 and PHYS 202 with C or better; consent of instructor and department chair.
Offered: Occasionally.

Courses in Pre-Engineering

PENG 211 | Statics | 3 cr
Discusses vectors, equilibrium of a particle, resultants of force systems, equilibrium of rigid bodies in two and three dimensions, structural analysis, friction, centroids, and moments of inertia. Required for the pre-engineering articulation agreement with UW-Milwaukee.
Prerequisites: MATH 221 with a grade of C or better, concurrent registration in MATH 222.
Offered: Spring.

PENG 212 | Dynamics | 3 cr
Covers motion and the laws of motion in different dimensions of space using various orthogonal curvilinear coordinates; relative motion; work and energy; conservative forces and potential energy; conservation of linear and angular momentum; and rigid body motion. Required for the pre-engineering articulation agreement with UW-Milwaukee.
Prerequisites: MATH 222 with a C or better, PENG 211; concurrent registration in Math 223.
Offered: Fall.

PENG 214 | Electrical Circuits I | 3 cr
Covers circuit laws and analysis, restrictive circuits, energy storage, AC circuits and power, three-phase circuits, and computer-aided analysis. Required for the pre-engineering articulation agreement with UW-Milwaukee.
Prerequisites: PHYS 202 with a grade of C or better.
Offered: Fall.

PENG 215 | Materials Science and Engineering | 4 cr
Introduces materials science and engineering. Covers the structure and basic properties of various engineering materials, including metals and alloys, ceramics, plastics, and composite materials. Includes laboratory work.
Prerequisites: CHEM 101, MATH 222 and PHYS 202.
Offered: Fall.

PENG 216 | Engineering Drawing and Computer Aided Design | 3 cr
Covers fundamentals of computer aided design (CAD), solid modeling, engineering drawings, dimensioning and specifications.
Prerequisites: MATH 112 and 113; or MATH 114.
Offered: Spring.

Mathematics Major (BS)

Department website (https://www.uwp.edu/learn/programs/mathematicsmajor.cfm)

College: College of Natural & Health Sciences

The major in mathematics includes options in pure and applied mathematics and teaching mathematics in middle childhood through early adolescence.

Mathematics with a Second Major

Students are encouraged to consider combining a major in mathematics with a major in a related area, such as computer science, behavioral science, a physical science business or economics. This has the advantage of enhancing the understanding of two allied areas, as well as improving the prospects for employment after graduation.

1. Formulate and prove mathematical results in the language of mathematics.
2. Perform technical mathematical computations in mathematics and related fields.
3. Translate ideas and meanings from the language of everyday life (English) into mathematical language (formulas and symbols).
4. Communicate in the language of mathematics.
5. Search for knowledge in independent and responsible ways.

Requirements for the Mathematics Major

To be eligible for entrance into the mathematics major students must have successfully completed MATH 221 Calculus and Analytic Geometry I and MATH 222 Calculus and Analytic Geometry II with a grade of C or better in each, or at the discretion of the Department. Upon declaring a major in mathematics, students must consult with a mathematics advisor to set up a program of study.

At least 15 credits of upper-level courses in the major must be completed at UW-Parkside.

Students may satisfy a mathematics major by completing the mathematics core and one of the following options or, upon consultation with a mathematics advisor, by developing programs to suit their special needs, subject to the written approval of the Mathematics Department. The following options are minimal, and students are encouraged to elect additional advanced mathematics courses.

Code	Title	Credits
College of Natural and Health Sciences requirement		
New entering students, and transfer students with less than 30 college credits, choosing a major in the College of Natural and Health Sciences are required to take this course.		
UWP 101	First Year Seminar: Natural and Health Sciences	1
Required Core Courses [1]		
MATH 221	Calculus and Analytic Geometry I	5
MATH 222	Calculus and Analytic Geometry II	5
MATH 223	Calculus and Analytic Geometry III	5
MATH 301	Linear Algebra	4
MATH 303	Set Theory, Logic and Proof	4
Required Core Courses Subtotal		24
Completion Options		
Choose one option		20-24
Completion Options Subtotal		20-24
Total Credits		**44-48**

[1] These courses provide the background concepts and techniques required in upper-level mathematics offerings.

Completion Options

General Mathematics Option

This sequence of courses leads to an undergraduate mathematics major covering the principal areas of modern mathematics. It is recommended for students planning to study mathematics in graduate school. Students in this program are required to take all of the courses in the Mathematics Core in addition to those listed below. Students are also encouraged to broaden their mathematics background by electing additional advanced courses.

Code	Title	Credits
Required Math Courses		
MATH 350	Advanced Calculus	4
or MATH 451	Topology	
Required Math Courses Subtotal		4
300-Level Math Elective		
Select three of the following:		10-12
MATH 310	Advanced Probability Theory and Statistics	
MATH 317	Differential Equations and their Applications	
MATH 331	Logic and Combinatorics	
MATH 361	Foundations of Geometry	
MATH 367	Elementary Number Theory	
300-Level Math Elective Subtotal		10-12
400-Level Math Elective		
Select two 400-level courses [1]		6-8
400-Level Math Elective Subtotal		6-8
Total Credits		**20-24**

[1] Not MATH 495 Senior Seminar or MATH 499 Independent Study.

Applied Mathematics Option

This sequence of courses is intended for those students who are interested in mathematics and the application of mathematics. Students in this program are required to take all of the courses in the mathematics

core together with those listed below. They are also encouraged to broaden their mathematics background by electing additional advanced courses.

Code	Title	Credits
Required Math Courses		
MATH 310	Advanced Probability Theory and Statistics	4
MATH 317	Differential Equations and their Applications	4
MATH 350	Advanced Calculus	4
MATH 368	Mathematical Modeling (Same As CSCI 368)	3
MATH 401	Applied Mathematics	3
or PHYS 401	Mathematical Methods of Physics	
Required Math Courses Subtotal		18
Math Elective Course		
MATH 423	Complex Analysis	4
or MATH 441	Abstract Algebra	
Math Elective Course Subtotal		4
Total Credits		**22**

General University Degree Requirements (Bachelor's Degree)

In addition to individual program requirements, students must also fulfill the following requirements:

Requirement	Credits
Skills	7-8
General Education	36
Foreign Language**	6-8
Ethnic Diversity	3
Total	52-55

** Transfer students in sustainable management, and health information management and technology collaborative, online degree-completion programs, the business management online degree-completion program, and the flexible option degree-completion program will be exempt from the university's foreign language requirement. See appropriate academic section for further information.

Skills Requirement (p. 13)

Code	Title	Credits
Reading and Writing		
ENGL 101	Composition and Reading	3
Computational Skills		
Select one of the following:		4-5
MATH 102	Quantitative Reasoning	
MATH 103	Elementary Statistics	
MATH 104	College Mathematics with Applications	
MATH 111	College Algebra I	
Total Credits		**7-8**

General Education (p. 13)

- General Education Course List (p. 157)

Foreign Language (p. 13)

Ethnic Diversity (p. 13)

Degree Requirements

Requirement	Credits
Minimum Total Credits	120
Upper Level Credits (300 level or above)	36
Residency	30

Cumulative Degree GPA: 2.0 minimum

Mathematics with Completion Option: General Mathematics

Course	Title	Credits
Year 1		
Fall Semester		
UWP 101	First Year Seminar: Natural and Health Sciences	1
ENGL 100	Fundamentals of English	3
MATH 221	Calculus and Analytic Geometry I	5
General Education (HU)		3
Introductory Language		4
	Credits	**16**
Spring Semester		
ENGL 101	Composition and Reading	3
MATH 222	Calculus and Analytic Geometry II	5
General Education (SS)		3
Introductory Language		4
	Credits	**15**
	Total Credits	**31**

Course	Title	Credits
Year 2		
Fall Semester		
MATH 223	Calculus and Analytic Geometry III	5
MATH 301	Linear Algebra	4
General Education (HU)		3
General Education (SS)		3
	Credits	**15**
Spring Semester		
MATH 310	Advanced Probability Theory and Statistics	3-4
or MATH 317	or Differential Equations and their Applications	
or MATH 331	or Logic and Combinatorics	
or MATH 361	or Foundations of Geometry	
or MATH 367	or Elementary Number Theory	
MATH 317	Differential Equations and their Applications	3-4
or MATH 310	or Advanced Probability Theory and Statistics	
or MATH 331	or Logic and Combinatorics	
or MATH 361	or Foundations of Geometry	
or MATH 367	or Elementary Number Theory	
General Education (HU)		3
General Education (SS)		3
General Education (NS)		4
	Credits	**16-18**
	Total Credits	**31-33**

Course	Title	Credits
Year 3		
Fall Semester		
MATH 303	Set Theory, Logic and Proof	4
MATH 331	Logic and Combinatorics	3
or MATH 310	or Advanced Probability Theory and Statistics	
or MATH 317	or Differential Equations and their Applications	
or MATH 361	or Foundations of Geometry	
or MATH 367	or Elementary Number Theory	

General Education (HU)		3
General Education (SS)		3
General Elective		3
	Credits	**16**
Spring Semester		
MATH 350 or MATH 451	Advanced Calculus or Topology	4
General Education (NS)		3
General Elective		3
General Elective		3
	Credits	**13**
	Total Credits	**29**

Course	Title	Credits
Year 4		
Fall Semester		
400 Level Math Elective		3
General Elective OR DV course (if needed)		3
General Elective		3
General Elective		3
General Elective		3
	Credits	**15**
Spring Semester		
400 Level Math Elective		3
General Elective		3
General Elective		3
General Elective		3
General Elective		3
	Credits	**15**
	Total Credits	**30**

Physics Major (BS)

Department website (https://www.uwp.edu/learn/programs/physics.cfm)

College: College of Natural & Health Sciences

1. Students will demonstrate scientifically literate in the foundations of physics, both theoretical and practical
2. Students will be able to take data in either a laboratory experiment or computer simulation, analyze and present the data coherently in a written format, and draw from the analysis a convincing conclusion based upon the principles of the scientific method.
3. Students will have ave mastered the tools of modern physics, mathematical, computational, and experimental, and developed quantitative, analytic, and critical thinking skills to apply the principles of physical theory to the solution of complex problems.
4. Students will be able to communicate in a professional, lucid manner the results and analysis of their own or other research and address questions effectively on the topic of their work in a scientific seminar or report format.
5. Student will have mastered mastered the methods of modern scientific exploration at an undergraduate level, engaging in continual self-improvement to prepare fully for postgraduate studies or industrial vocation.

Requirements for the Physics Major

To be eligible for entrance into the physics major students must have successfully completed MATH 221 Calculus and Analytic Geometry I, MATH 222 Calculus and Analytic Geometry II and PHYS 201 General Physics I, PHYS 202 General Physics II with a grade of C or better in each, or at the discretion of the Department.

At least 15 credits of upper level courses must be completed at UW-Parkside.

Code	Title	Credits
College of Natural and Health Sciences requirement		
New entering students, and transfer students with less than 30 college credits, choosing a major in the College of Natural and Health Sciences are required to take this course.		
UWP 101	First Year Seminar: Natural and Health Sciences	1
Required Core Courses		
PHYS 201	General Physics I	5
PHYS 202	General Physics II	5
PHYS 205	Modern Physics	3
PHYS 241	Scientific Programming	3
PHYS 295	Physics Research Seminar I	1
PHYS 297	Physics Research Seminar II	1
PHYS 301	Classical Mechanics	4
PHYS 302	Electricity and Magnetism	4
PHYS 303	Computational Physics	3
PHYS 306	Advanced Experiments in Physics	3
PHYS 403	Thermodynamics	3
PHYS 413	Statistical Mechanics	3
PHYS 441	Quantum Physics	4
PHYS 495	Senior Seminar	2
PHYS 401 or MATH 401	Mathematical Methods of Physics Applied Mathematics	3
Required Core Courses Subtotal		48
Required Support Courses		
MATH 221	Calculus and Analytic Geometry I	5
MATH 222	Calculus and Analytic Geometry II	5
MATH 223	Calculus and Analytic Geometry III	5
MATH 301	Linear Algebra	4
MATH 317	Differential Equations and their Applications	4
Required Support Courses Subtotal		23
Total Credits		**71**

Students planning graduate work in physics will generally take more than the minimum number of credit hours in physics and additional mathematics courses. Reading proficiency (equivalent to about two years of study at the college level) in one foreign language is also recommended for such students.

General University Degree Requirements (Bachelor's Degree)

In addition to individual program requirements, students must also fulfill the following requirements:

Requirement	Credits
Skills	7-8
General Education	36
Foreign Language**	6-8

Ethnic Diversity	3
Total	52-55

** Transfer students in sustainable management, and health information management and technology collaborative, online degree-completion programs, the business management online degree-completion program, and the flexible option degree-completion program will be exempt from the university's foreign language requirement. See appropriate academic section for further information.

Skills Requirement (p. 13)

Code	Title	Credits
Reading and Writing		
ENGL 101	Composition and Reading	3
Computational Skills		
Select one of the following:		4-5
MATH 102	Quantitative Reasoning	
MATH 103	Elementary Statistics	
MATH 104	College Mathematics with Applications	
MATH 111	College Algebra I	
Total Credits		**7-8**

General Education (p. 13)

- General Education Course List (p. 157)

Foreign Language (p. 13)

Ethnic Diversity (p. 13)

Degree Requirements

Requirement	Credits
Minimum Total Credits	120
Upper Level Credits (300 level or above)	36
Residency	30

Cumulative Degree GPA: 2.0 minimum

Mathematics Minor

Department website (https://www.uwp.edu/learn/programs/mathematicsminor.cfm)

College: College of Natural & Health Sciences

Requirements for the Mathematics Minor

Code	Title	Credits
Required Math Courses		
MATH 221	Calculus and Analytic Geometry I	5
MATH 222	Calculus and Analytic Geometry II	5
MATH 223	Calculus and Analytic Geometry III	5
MATH 301	Linear Algebra	4
Math 400-level Elective		
Select one 400-level course [1]		3-4
Math Additional Upper-level Elective		
Select one 300- or 400-level course [1]		3-4
Total Credits		**25-27**

[1] Not MATH 495 Senior Seminar or MATH 499 Independent Study.

University Requirements for Minors

Course work in the minor must be completed with the minimum GPA as specified by the department or program under which the minor falls, usually a 2.00 on a 4.00 scale, but higher in some programs. Transfer students must attain the minimum specified GPA on a combination of transfer credits accepted toward the minor and credits attempted at UW-Parkside.

At least half of the course work required for a minor must be completed at UW-Parkside.

Physics Minor

Department website (https://www.uwp.edu/learn/programs/physicsminor.cfm)

College: College of Natural & Health Sciences

Requirements for the Physics Minor

Code	Title	Credits
Required Physics Courses		
PHYS 201	General Physics I [1]	5
PHYS 202	General Physics II [1]	5
PHYS 205	Modern Physics	3
PHYS 306	Advanced Experiments in Physics	3
Physics Elective Courses		
Select one additional physics course at the 200-level or above		3
Select one additional physics course at the 300-level or above		3
Required Support Courses		
MATH 221	Calculus and Analytic Geometry I	5
MATH 222	Calculus and Analytic Geometry II	5
Total Credits		**32**

[1] Qualified students may substitute PHYS 105 College Physics I-PHYS 106 College Physics II for the PHYS 201 General Physics I-PHYS 202 General Physics II requirement at the discretion of the Physics Department. Students are advised to consult the department for further information.

University Requirements for Minors

Course work in the minor must be completed with the minimum GPA as specified by the department or program under which the minor falls, usually a 2.00 on a 4.00 scale, but higher in some programs. Transfer students must attain the minimum specified GPA on a combination of transfer credits accepted toward the minor and credits attempted at UW-Parkside.

At least half of the course work required for a minor must be completed at UW-Parkside.

Modern Languages

Department website (https://www.uwp.edu/learn/departments/modernlanguages/)

College: College of Arts & Humanities

Career Possibilities:

Teaching, translation, foreign or diplomatic service, editing and publishing, media (film, radio, etc.), banking, business (purchasing, marketing, advertising, etc.), and travel services. Consult with faculty members about your interests.

Department Overview

In this time of internationalization and globalization, knowledge of a second language and the culture in which that language operates is a fundamental qualification necessary to many professions. The Modern Languages Department at UW-Parkside offers courses in the French, Italian and Spanish languages, literatures, and cultures. Modern Languages courses also fulfill requirements in other academic areas on campus including international studies, ethnic studies, humanities, women's studies, business management, and music. The department encourages all students to pursue study-abroad programs and assists students in finding a program suitable for their needs.

Preparation for Graduate School

Students who intend to do graduate work in the modern languages should be aware that graduate programs often expect specific course work/concentrations from their applicants. Consult your faculty advisor.

Internships

The Modern Languages Department offers internships in collaboration with area businesses, governmental agencies and not-for-profit agencies.

General Enrichment Courses Offered in English

The following courses, when taught in English, do not fulfill language requirements. They are offered occasionally for general enrichment.

Code	Title	Credits
MODL 218	French Life and Culture	3
SPAN 225	Contemporary Hispanic Writers in the U.S.A.	3
SPAN 440	Advanced Studies in Hispanic Literature in Translation	3

Spanish

The Spanish program, which offers a Spanish major and a Spanish minor, develops students' proficiency in Spanish in reading, writing and oral communication. For students wishing to broaden their proficiency, the Spanish program offers a variety of advanced Spanish-language courses which deal with aspects of both Peninsular and Latin American literature and culture. Students have an opportunity in these courses to sharpen their linguistic proficiency while at the same time gaining a better understanding of the contributions made by Spanish-language philosophers, artists, and writers.

French

The French program, which offers a French minor, seeks to give students the requisite linguistic skills with which to read, discuss, and write intelligibly in French. For students wishing to broaden their proficiency, the French program offers advanced French language courses which deal with various aspects of French literature and culture.

Students have an opportunity in these courses to sharpen their linguistic proficiency while at the same time gaining a better understanding of the contributions made by French-language philosophers, artists, and writers. The French program's course offerings can be supplemented by a number of courses from other departments as part of the French studies major. Students who wish to pursue the study of French at the graduate level are encouraged to take as many French program courses as possible.

Programs Offered

- Spanish Major (BA) (p. 246)
- French Minor (p. 247)
- Medical Spanish Minor (p. 247)
- Spanish Minor (p. 248)

Spanish Major Concentration

- Spanish Language Education

Courses in French Studies

Students entering from high school must have placement test results (UW System placement tests offered at regional testing and at UW-Parkside) in order to enter French 104, 203, 204, and 301. The Modern Languages Department reserves the right to refuse access to any language class (including 103) to any student under the following circumstances:

1. the student has not taken the placement exam or
2. the student's previous experience in the study of the language makes enrollment in the class in question inappropriate.

ONCE STUDENTS HAVE TAKEN A COURSE IN THE FRENCH LANGUAGE SEQUENCE (103-301) THEY MAY NOT AFTERWARDS TAKE A LOWER COURSE IN THE SEQUENCE FOR CREDIT.

FREN D391 | Represent Love and French Culture | 3 cr

FREN D422 | Literature Middle Ages-18th Century/UWM | 3 cr

FREN 103 | Introductory French I | 4 cr
Develops basic listening, speaking, reading and writing skills in French.
Prerequisites: Placement or no prior knowledge of French.
Offered: Fall.

FREN 104 | Introductory French II | 4 cr
Continues to develop basic listening, speaking, reading, and writing skills in French. Lab fee required.
Prerequisites: FREN 103 or equivalent or placement.
Offered: Spring.

FREN 111 | French for Singers | 1 cr
To help university vocal and choral students gain theoretical understanding and practical mastery of diction in French as it pertains to specific, select songs and choral pieces being learned with texts in those languages. Does not count for credit toward French major or minor.
Prerequisites: Enrollment in vocal music.

FREN 203 | Intermediate French I | 3 cr
Reviews and further develops listening, speaking, reading and writing skills in French at the intermediate level.
Prerequisites: FREN 104 or equivalent or placement.
Offered: Fall.

FREN 204 | Intermediate French II | 3 cr
Reviews and further develops listening, speaking, reading and writing skills in French at the intermediate level.
Prerequisites: FREN 203 or equivalent or placement.
Offered: Spring.

FREN 290 | Special Topics in French | 1-3 cr
Special topics in French Studies will be examined. May not be counted toward French Studies major when taught in English.
Prerequisites: None.
Offered: Occasionally.

FREN 301 | French Conversation and Composition | 3 cr
Provides advanced training in conversation and composition with emphasis on acquiring communicative skills in colloquial French.
Prerequisites: FREN 204 or equivalent or placement.
Offered: Fall (odd years).

FREN 318 | French Civilization and Culture | 3 cr
Multi-media presentation and discussion of historical, philosophical, and artistic developments in various periods in France. Readings in French. May repeat with different topic.
Prerequisites: FREN 204 or equivalent.

FREN 320 | Introduction to French Literature: | 3 cr
Study of a major literary genre and/or a cultural/literary period of movement. Development of historical perspective and techniques of critical analysis through the study of selected masterpieces of French poetry, drama or prose. May be repeated with different content.
Prerequisites: FREN 204 or equivalent.

FREN 341 | Teaching a Foreign Language | 3 cr
Current theories, practices, methods and materials pertinent to teaching a foreign language. Off-campus clinical experiences are an integral part of this course.
Prerequisites: TEDU 210, TEDU 230; admission to TEDU; FREN 301; or consent of instructor.
Offered: Occasionally.

FREN 350 | French Phonetics | 3 cr
Theory of French sounds in contrast to English, combined with practical laboratory training in pronunciation and orthography. Required of all intending to be teachers.
Prerequisites: FREN 204 or equivalent.
Offered: Fall (even years).

FREN 402 | Advanced Studies in French | 3 cr
Studies in French language, culture or literature. May be repeated for credit with different topic.
Prerequisites: FREN 301 or equivalent or consent of instructor.
Offered: Occasionally.

FREN 475 | Translation Internship | 1-3 cr
Translation interns work with area businesses and service agencies to furnish translations from and into French. May be repeated for credit.
Prerequisites: FREN 301 or equivalent, French studies major, and consent of instructor.
Offered: Fall, Spring.

FREN 490 | Special Topics in French | 1-4 cr
Selected topics in French studies will be examined.
Prerequisites: None.
Offered: Occasionally.

FREN 494 | Fieldwork in French | 1-6 cr
Application of French in areas of community concern and in local business and industry. May be repeated for maximum of 6 credits.
Prerequisites: Consent of instructor.
Offered: Occasionally.

FREN 495 | Senior Project | 3 cr
The senior project in French studies is designed to be a capstone experience which offers graduating students an opportunity to bring together several aspects of their French studies and general undergraduate course work in the form of an independent research project.
Prerequisites: Senior standing in French studies.
Offered: Spring.

FREN 499 | Independent Study | 1-3 cr
Available to qualified students under supervision of individual instructor. Normally, no more than 6 credits of Independent Study may be counted toward the major.
Prerequisites: Junior standing, consent of instructor and department chair.
Offered: Occasionally.

Courses in Italian

Students entering from high school must have placement test results (UW System placement tests offered at regional testing and at UW-Parkside) in order to enter ITAL 104, 203, and 204. The Modern Languages Department reserves the right to refuse access to any language class (including 103) to any student under the following circumstances:

1. the student has not taken the placement exam, or
2. the student's previous experience in the study of the language makes enrollment in the class in question inappropriate.

ONCE STUDENTS HAVE TAKEN A COURSE IN THE ITALIAN LANGUAGE SEQUENCE (103-204) THEY MAY NOT AFTERWARDS TAKE A LOWER COURSE IN THE SEQUENCE FOR CREDIT.

ITAL 103 | Introductory Italian I | 4 cr
Development of basic listening, speaking, reading, and writing skills in Italian.
Prerequisites: None.
Offered: Fall.

ITAL 104 | Introductory Italian II | 4 cr
Continued development of basic listening, speaking, reading, and writing skills in Italian.
Prerequisites: ITAL 103 or equivalent.
Offered: Spring.

ITAL 203 | Intermediate Italian I | 4 cr
Develops of intermediate level proficiency in listening, speaking, reading, and writing Italian. Frequency: Fall. Method: Traditional
Prerequisites: ITAL 104.
Offered: Fall.

ITAL 204 | Intermediate Italian II | 4 cr
Continued development of intermediate level proficiency in listening, speaking, reading, and writing Italian.
Prerequisites: ITAL 203.
Offered: Spring.

Courses in Modern Languages

The program offers occasionally, under MODL 103 and 104, first-year courses in modern languages other than French, Italian or Spanish.

MODL D101 | Modern Language I: | 4 cr

MODL D103 | Modern Language I: | 4 cr

MODL D104 | Modern Language II: | 4 cr

MODL D211 | Modern Language III: | 4 cr

MODL 103 | Modern Language I: | 4 cr
Semester I of a modern language other than those regularly offered in the Modern Languages Department. May be repeated with different language content.
Prerequisites: None.
Offered: Occasionally.

MODL 104 | Modern Language II: | 4 cr
Semester II of a modern language other than those regularly offered in the Modern Languages Department. May be repeated with different language content.
Prerequisites: MODL 103 or equivalent.
Offered: Occasionally.

MODL 191 | Culture of Food: The French Case From Croissants to Champagne | 3 cr
Examines French culture, history, the geography, through the lens of French cuisine. Provides Cuisine samples when appropriate. Instruction is in English. Class Fee.
Prerequisites: None.
Offered: Fall, Spring.
Meets: Humanities and the Arts: MODL, Humanities and the Arts: MODL, Humanities and the Arts: MODL, Humanities and the Arts: MODL, Humanities and the Arts: MODL

MODL 203 | Intermediate Modern Language I | 4 cr
Continued training in listening, speaking, reading and writing skills through conversation, composition and grammar review.
Prerequisites: MODL 104 in same language or equiv.
Offered: Occasionally.

MODL 204 | Intermediate Modern Language II | 4 cr
Continued training in listening, speaking, reading and writing skills through conversation, composition and grammar review.
Prerequisites: MODL 203 in same language or equiv.
Offered: Occasionally.

MODL 218 | French Life and Culture | 3 cr
Explores contemporary French culture and civilization.
Prerequisites: None.
Offered: Yearly.
Meets: Humanities and the Arts: MODL, Humanities and the Arts: MODL, Humanities and the Arts: MODL, Humanities and the Arts: MODL, Humanities and the Arts: MODL

MODL 319 | Paris: The City and the People (in English) | 3 cr
Examines the city of Paris including the daily life of the people, its monuments, history, culture, and international significance. Taught in English and requires no familiarity with the French language. Requires travel and fees.
Prerequisites: ENGL 101, sophomore standing; or consent of instructor.
Offered: Spring.

MODL 347 | Post-1800 World Literature | 3 cr
Explores selected global literary and cultural texts produced after 1800. Emphasizes non-Western works, including those with indigenous foundations. Examines the broad historical context and draws from other fields to deepen our understanding of the human experience, particularly along cross-cultural lines. Cross-listed with: ENGL 347.
Prerequisites: ENGL 101 or consent of instructor.
Offered: Spring.

MODL 499 | Independent Study | 4 cr
Prerequisites: Consent of instructor and department chair.
Offered: Occasionally.

Courses in Spanish

Students entering from high school must have placement test results (UW System placement tests offered at regional testing and at UW-Parkside) in order to enter SPAN 104, 203, 204, and 303. The Modern Languages Department reserves the right to refuse access to any language class (including 103) to any student under the following circumstances:

1. the student has not taken the placement exam, or
2. the student's previous experience in the study of the language makes enrollment in the class in question inappropriate.

ONCE STUDENTS HAVE TAKEN A COURSE IN THE SPANISH LANGUAGE SEQUENCE (103-304 AND 303) THEY MAY NOT AFTERWARDS TAKE A LOWER COURSE IN THE SEQUENCE FOR CREDIT.

SPAN 103 | Introductory Spanish I | 4 cr
Develops basic listening, speaking, reading and writing skills in Spanish.
Prerequisites: Placement or no prior knowledge of Spanish.
Offered: Fall, Spring, Summer.

SPAN 104 | Introductory Spanish II | 4 cr
Continues development of listening, speaking, and writing skills in Spanish.
Prerequisites: SPAN 103 or equivalent or placement.
Offered: Fall, Spring, Summer.

SPAN 111 | Spanish for Singers | 1 cr
To help university vocal and choral students gain theoretical understanding and practical mastery of diction in Spanish as pertains to specific, select songs and choral pieces being learned with texts in those languages. Does not count for credit toward Spanish major or minor.
Prerequisites: Enrollment in vocal music.

SPAN 203 | Intermediate Spanish I | 3 cr
Reviews and further develops listening, speaking, reading and writing skills in Spanish.
Prerequisites: SPAN 104 or equivalent or placement exam.
Offered: Fall.
Meets: Humanities and the Arts: MODL, Humanities and the Arts: MODL, Humanities and the Arts: MODL, Humanities and the Arts: MODL, Humanities and the Arts: MODL

SPAN 204 | Intermediate Spanish II | 3 cr
Continues to review and further develop listening, speaking, reading and writing skills in Spanish.
Prerequisites: SPAN 203 or equivalent or placement exam.
Offered: Spring.
Meets: Humanities and the Arts: MODL, Humanities and the Arts: MODL, Humanities and the Arts: MODL, Humanities and the Arts: MODL, Humanities and the Arts: MODL

SPAN 225 | Contemporary Hispanic Writers in the U.S.A. | 3 cr
An exploration of the literary works on contemporary Hispanic writers. May not be counted toward Spanish major when taught in English.
Prerequisites: None.
Offered: Occasionally.

SPAN 275 | Spanish for Healthcare | 3 cr
Introduces language to develop cultural competency for providing healthcare services for the Hispanic community.
Prerequisites: None.
Offered: Fall, Spring.

SPAN 290 | Special Topics in Spanish | 1-3 cr
Selected topics in Spanish studies will be examined. May not be counted toward Spanish major when taught in English.
Prerequisites: None.
Offered: Occasionally.

SPAN 303 | Spanish Grammar and Composition I | 3 cr
Covers essential points of grammar, emphasizing syntax and development of writing skills.
Prerequisites: SPAN 204 or equivalent or placement; concurrent enrollment in SPAN 321 recommended for major.
Offered: Fall.

SPAN 304 | Spanish Grammar and Composition II | 3 cr
Continues SPAN 303. Covers essential themes of grammar, emphasizing syntax of verbs and the acquiring terminology and skills to facilitate analysis.
Prerequisites: SPAN 303.
Offered: Spring.

SPAN 307 | Advanced Spanish Conversation | 3 cr
Focus on improving oral proficiency through intensive conversation practice. Topics vary. May be repeated for up to 3 elective credits with different topic. May repeat for maximum 3 credits with different topic.
Prerequisites: SPAN 204 or placement in SPAN 303.
Offered: Fall, Spring.

SPAN 318 | Spanish Civilization and Culture | 3 cr
Presents and discusses historical, philosophical, and artistic elements of Spanish society. May be offered in Spanish or English.
Prerequisites: None in English, SPAN 303 in Spanish.
Offered: Occasionally.

SPAN 319 | Latin American Civilization and Culture | 3 cr
Presents and discusses historical, philosophical and artistic elements of Latin America. May be offered in Spanish or English.
Prerequisites: None in English, SPAN 303 in Spanish.
Offered: Occasionally.

SPAN 321 | Spanish and Spanish-American Literature to 1700 | 3 cr
Explores literature of the Spanish-speaking world. Includes American Pre-Colombian, Mozarabic, and Andalusian Arabic literature in translation in addition to Spanish literature of the Peninsula and its colonies.
Prerequisites: SPAN 303.
Offered: Fall.

SPAN 322 | Spanish Literature Since 1700 | 3 cr
Explores Spanish peninsular literature since 1700.
Prerequisites: SPAN 303.
Offered: Spring.

SPAN 325 | Spanish for the Professions | 3 cr
Develops Spanish-language skills needed in various professional fields. Emphasizes specialized vocabulary building, role play, and an understanding of Hispanic culture. Includes Spanish for law enforcement, social services, education, medicine, business, and communications. Community-based learning designation.
Prerequisites: SPAN 303 or equivalent; or concurrent enrollment in 303; or placement in SPAN 325.
Offered: Fall, Spring.
Meets: Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning

SPAN 335 | Spanish American Literature Since 1700 | 3 cr
Explores Spanish-American literature since 1700.
Prerequisites: SPAN 303.
Offered: Spring.

SPAN 341 | Teaching a Foreign Language | 3 cr
Current theories, practices, methods and materials pertinent to teaching a foreign language. Off-campus clinical experiences are an integral part of this course.
Prerequisites: TEDU 210, TEDU 230; Admission to TEDU; SPAN 304 or SPAN 306 or consent of instructor.
Offered: Occasionally.

SPAN 350 | Spanish Phonetics | 3 cr
Theory of Spanish sounds in contrast to English combined with practical laboratory training in pronunciation and orthography. Required of all intending teachers.
Prerequisites: SPAN 304 or equivalent.
Offered: Occasionally.

SPAN 403 | Advanced Spanish Grammar | 3 cr
Analysis of questions of syntax and style; emphasis on idiomatic Spanish.
Prerequisites: SPAN 304 or equivalent.
Offered: Occasionally.

SPAN 413 | Translation | 3 cr
Acquire techniques for translation from English to Spanish. Discuss general theory about common translation problems and practice translation to increase vocabulary and reinforce the structures of the Spanish language.
Prerequisites: SPAN 204 or consent of instructor.
Offered: Occasionally.

SPAN 415 | Spanish for Journalism | 3 cr
Refines writing in Spanish through the process of creating and editing newsworthy articles.
Prerequisites: SPAN 303.
Offered: Occasionally.

SPAN 416 | Children's Literature | 3 cr
Examines the oral and written literature for children in the Spanish speaking world from the pre-Hispanic period to the present.
Prerequisites: SPAN 303.
Offered: Occasionally.

SPAN 417 | Spanish for Criminal Justice | 3 cr
Focuses on legal terminology and proceedings in order to help police officers and other professionals in criminal justice.
Prerequisites: SPAN 303.
Offered: Occasionally.

SPAN 419 | Spanish for Business | 3 cr
Focuses on business terminology and procedure for Spanish-speaking countries. Emphasizing written Spanish supplemented by conversational work.
Prerequisites: SPAN 303.
Offered: Occasionally.

SPAN 420 | Topics in Spanish Literature and Culture | 3 cr
In-depth analysis of an aspect of the literature or culture of Spain. Content will vary. May repeat with different topic.
Prerequisites: SPAN 322 or equivalent, or consent of instructor.
Offered: Fall, Spring.

SPAN 423 | Medical Spanish I | 3 cr
Develops an understanding of the cultural underpinnings of the communicative issues between Hispanic patients and non-Hispanic practitioners in the United States. Focuses on vocabulary and tools necessary for the proper professional medical use of Spanish in clinical settings. Requires participation in clinical settings.
Prerequisites: SPAN 304; BIOS 101 and BIOS 102 or BIOS 105 and BIOS 106 or BIOS 101 and BIOS 103; HIMT 330; LBST 103 or ETHN 343 or SOCA 343 or COMM 365; COMM 340.
Offered: Fall.

SPAN 424 | Medical Spanish II | 3 cr
Continues the development of the cultural perspectives of Hispanic patients in health care settings. Introduces concepts and information necessary to understand basic principles of diseases and clinical testing. Requires participation in clinical settings.
Prerequisites: SPAN 304; BIOS 101 and BIOS 102 or BIOS 105 and BIOS 106 or BIOS 101 and BIOS 103; HIMT 330; LBST 103 or ETHN 343 or SOCA 343 or COMM 365; COMM 340.
Offered: Spring.

SPAN 435 | Topics in Latin American Literature and Culture: | 3 cr
In-depth analysis of an aspect of the literature or culture of Latin America. Content will vary. Course may be repeated under different subtitle.
Prerequisites: SPAN 304 or equivalent, or consent of instructor.
Offered: Fall, Spring.

SPAN 440 | Advanced Studies in Hispanic Literature in Translation | 3 cr
Study of representative Spanish and Latin American works in translation from the standpoint of analytic methods: approaches to critical analysis or problems in the theory of literature (genre theory, comparative study of themes or styles, discussion of literary movements). May be repeated for credit with different subject matters. May not be counted toward Spanish major.
Prerequisites: Junior standing.
Offered: Occasionally.

SPAN 450 | Spanish Second Language Acquisition & Teaching Methods | 3 cr
Introduces field of Spanish second language acquisition. Examines major second language acquisition (SLA) theories and approaches. Focuses on areas of the Spanish language that present significant challenges to learners.
Prerequisites: SPAN 303 or placement; EDU 325.
Offered: Fall.

SPAN 475 | Internship | 1-3 cr
Translation interns work with area businesses and service agencies to furnish translations from and into Spanish. May repeat for credit.
Prerequisites: SPAN 304, Spanish major and consent of instructor and department chair.
Offered: Fall, Spring.

SPAN 490 | Special Topics in Spanish | 1-4 cr
Selected topics in Spanish studies will be examined.
Prerequisites: None.
Offered: Occasionally.

SPAN 494 | Fieldwork in Spanish | 1-6 cr
Application of Spanish in areas of community concern and in local business and industry. May be repeated for maximum of 6 credits.
Prerequisites: Consent of instructor.
Offered: Occasionally.

SPAN 495 | Senior Seminar | 1 cr
Students will develop portfolios that highlight their language skills and review/synthesize their course work in the major.
Prerequisites: Senior standing in Spanish and consent of instructor required.
Offered: Spring.

SPAN 499 | Independent Study | 1-3 cr
Available to qualified students under supervision of individual instructor. Normally, no more than 6 credits of Independent Study may be counted toward the major. Freq: Occasionally.
Prerequisites: Junior standing; consent of instructor and department chair.
Offered: Occasionally.

Spanish Major (BA)

Department website (https://www.uwp.edu/learn/programs/spanishmajor.cfm)

College: College of Arts & Humanities

As a Spanish major, you have the flexibility to pair a Spanish major with a minor in business management, legal studies, political science, and more. Bilingual proficiency propels your career in education, translating and interpreting, business, health professions, and beyond.

Program Learning Outcomes

1. Communicate effectively in spoken form in the target language.
2. Communicate effectively in written form in the target language.
3. Present information, concepts, and ideas to an audience of listeners or readers on a variety of topics in the target language.
4. Analyze artifacts from the target culture and compare and contrast the target culture with their own culture.

Requirements for the Spanish Major

At least 15 credits of upper-level courses in the major must be completed at UW-Parkside.

Students are expected to demonstrate basic standards of linguistic proficiency and content competency (cultural and literary) that have been established. Students must earn at least a 2.0 average in the major in order to graduate.

Code	Title	Credits
Language Courses [1]		**12**
SPAN 203	Intermediate Spanish I	
SPAN 204	Intermediate Spanish II	
SPAN 303	Spanish Grammar and Composition I	
SPAN 304	Spanish Grammar and Composition II	
Literature Courses		**6**
Select two of the following:		
SPAN 321	Spanish and Spanish-American Literature to 1700	
SPAN 322	Spanish Literature Since 1700	
SPAN 335	Spanish American Literature Since 1700	
Elective Courses in Spanish		**12**
Select 12 credits upper-level Spanish courses [2]		
One 400-level Spanish course		**3**
Total Credits		**33**

1 Students who place out of one of these courses may apply for an exception (executive action) by contacting your advisor.

2 Relevant courses from other disciplines can be approved by your advisor.
Students may be advised to take SPAN 307 Advanced Spanish Conversation if needed.

General University Degree Requirements (Bachelor's Degree)

In addition to individual program requirements, students must also fulfill the following requirements:

Requirement	Credits
Skills	7-8
General Education	36
Foreign Language**	6-8
Ethnic Diversity	3
Total	52-55

** Transfer students in sustainable management, and health information management and technology collaborative, online degree-completion programs, the business management online degree-completion program, and the flexible option degree-completion program will be exempt from the university's foreign language requirement. See appropriate academic section for further information.

Skills Requirement (p. 13)

Code	Title	Credits
Reading and Writing		
ENGL 101	Composition and Reading	3
Computational Skills		
Select one of the following:		4-5
MATH 102	Quantitative Reasoning	
MATH 103	Elementary Statistics	
MATH 104	College Mathematics with Applications	
MATH 111	College Algebra I	
Total Credits		**7-8**

General Education (p. 13)

- General Education Course List (p. 157)

Foreign Language (p. 13)

Ethnic Diversity (p. 13)

Degree Requirements

Requirement	Credits
Minimum Total Credits	120
Upper Level Credits (300 level or above)	36
Residency	30

Cumulative Degree GPA: 2.0 minimum

French Minor

Department website (https://www.uwp.edu/learn/programs/french.cfm)

College: College of Arts & Humanities

Requirements for the French Minor

For entrance into the French minor, the student must have completed FREN 103 Introductory French I and FREN 104 Introductory French II, their equivalent or achieve placement into FREN 203 Intermediate French I or above.

Fifteen of these credits **must** be courses taught in French.

Code	Title	Credits
Required Intermediate Courses		
FREN 203	Intermediate French I	3
FREN 204	Intermediate French II	3
Required Advanced Courses		
FREN 301	French Conversation and Composition	3
FREN 318	French Civilization and Culture	3
FREN 350	French Phonetics	3
Elective Course		
Select one of the following:		3
FREN 490	Special Topics in French	
MODL 319	Paris: The City and the People (in English)	
Total Credits		**18**

University Requirements for Minors

Course work in the minor must be completed with the minimum GPA as specified by the department or program under which the minor falls, usually a 2.00 on a 4.00 scale, but higher in some programs. Transfer students must attain the minimum specified GPA on a combination of transfer credits accepted toward the minor and credits attempted at UW-Parkside.

At least half of the course work required for a minor must be completed at UW-Parkside.

Medical Spanish Minor

College: College of Arts & Humanities

Program Learning Outcomes

1. Apply their understanding of clinical testing and the basic structure of health-care delivery to improve the accuracy of their interpreting/translating responsibilities;
2. broaden their acquisition of medical terminology through real-life practice in a clinical setting;
3. be able to communicate accurately and with precision the questions and concerns of patients to health-care providers;
4. be able to communicate accurately and with precision the questions and information given by health-care providers to patients;
5. be able to utilize their knowledge of both U.S. and Hispanic cultures to provide a nuanced interpretation of language utterances;
6. if asked, be able to provide a cultural context for patient/provider communications to health-care providers.

Requirements for the Medical Spanish Minor

Please note that declarations of the Medical Spanish minor have been suspended beginning Fall 2021. Please contact the department for information as to whether the suspension has been lifted.

Students must be proficient at the intermediate level in Spanish (successfully complete SPAN 204 Intermediate Spanish II or place into SPAN 303 Spanish Grammar and Composition I).

Requirements for the Medical Spanish Minor

Please note that declarations of the Medical Spanish minor have been suspended beginning Fall 2021. Please contact the department for information as to whether the suspension has been lifted.
MINOR REQUIREMENTS REMAIN UNCHANGED.

Students must have an overall GPA of 2.75 or better in all of the Spanish classes counted for the minor to be eligible to graduate with a minor in Medical Spanish.

Code	Title	Credits
Advanced Spanish Courses		
SPAN 303	Spanish Grammar and Composition I	3
SPAN 304	Spanish Grammar and Composition II	3
SPAN 307	Advanced Spanish Conversation	3
Biological Sciences Courses		
Select one of the following (must be taken before the medical Spanish courses):		7-10
BIOS 101 & BIOS 102	Bioscience and Organismal Biology	
BIOS 105 & BIOS 106	Human Physiology and Anatomy I and Human Physiology and Anatomy II (for nursing students and applied health sciences majors)	
BIOS 101 & BIOS 103	Bioscience and Human Biology (for students interested in medical interpreting or translation)	
Translation Course		
SPAN 413	Translation [1]	3
Health Communication Course		
COMM 340		3
Intercultural/Diversity Course		
Select one of the following:		3
COMM 365	Intercultural Communication	
ETHN/SOCA 343	Latinas/os in U.S.	
LBST 103	Understanding Social Justice	
Medical Spanish Courses		
SPAN 423	Medical Spanish I	3
SPAN 424	Medical Spanish II	3
Recommended Course		
HIMT 330	Healthcare I: Terminology and Body Systems [2]	
Total Credits		**31-34**

1. This course must be taken after SPAN 304 Spanish Grammar and Composition II and before SPAN 424 Medical Spanish II)
2. Not required. **Strongly** recommended for students who plan careers in translation, interpreting, and administrative work in health care settings.

University Requirements for Minors

Course work in the minor must be completed with the minimum GPA as specified by the department or program under which the minor falls, usually a 2.00 on a 4.00 scale, but higher in some programs. Transfer students must attain the minimum specified GPA on a combination of transfer credits accepted toward the minor and credits attempted at UW-Parkside.

At least half of the course work required for a minor must be completed at UW-Parkside.

Spanish Minor

Department website (https://www.uwp.edu/learn/programs/spanishminor.cfm)

College: College of Arts & Humanities

The minor is designed to sharpen basic skills in Spanish as well as introduce and sharpen more advanced conversational Spanish, a skill that is highly marketable in a wide variety of fields and disciplines.

Program Learning Outcomes

1. Communicate effectively in spoken form in the target language.
2. Communicate effectively in written form in the target language.
3. Present information, concepts, and ideas to an audience of listeners or readers on a variety of topics in the target language.
4. Analyze artifacts from the target culture and compare and contrast the target culture with their own culture.

Requirements for the Spanish Minor

Students must have an overall GPA of 2.0 or better in the minor be eligible to graduate with a minor in Spanish.

Code	Title	Credits
Language Courses [1]		**12**
SPAN 203	Intermediate Spanish I	

SPAN 204	Intermediate Spanish II	
SPAN 303	Spanish Grammar and Composition I	
SPAN 304	Spanish Grammar and Composition II	
Elective Courses in Spanish		**6**
Credits must be beyond the second-year level (203-204)		
Total Credits		**18**

[1] Students who place out of one of these courses may apply for an exception (executive action) by contacting your advisor.

University Requirements for Minors

Course work in the minor must be completed with the minimum GPA as specified by the department or program under which the minor falls, usually a 2.00 on a 4.00 scale, but higher in some programs. Transfer students must attain the minimum specified GPA on a combination of transfer credits accepted toward the minor and credits attempted at UW-Parkside.

At least half of the course work required for a minor must be completed at UW-Parkside.

Music

Department website (https://www.uwp.edu/learn/departments/music/)

College: College of Arts & Humanities

Student Organizations/Clubs:

The Beat (Music Club)

Career Possibilities:

Many career opportunities are available to graduates in the field of music. Opportunities for teaching music include instruction at the elementary, secondary and university levels. In addition, many musicians teach independently, establishing their own music studios and working with students of all ages.

Some music graduates seek to become performers. Although opportunities in the area of full-time professional performance are limited, many musicians perform on a part-time basis. Students who seek performance careers in music should consider continued studies in a graduate school of music. Students with undergraduate degrees in music who aspire to be theorists, composers, musicologists, historians, or therapists should likewise expect to engage graduate study. There also exist career opportunities in many related areas such as music publishing, mass media, arts management, recording engineering, arranging, sales, manufacturing, church music and various aspects of the music business. Accomplished musicians are vital to and needed in all areas of the music profession.

Department Overview

The Music Department is staffed by a faculty of highly qualified teaching performers who have extensive concert experience and are active in teaching, research and performance. Their skills span all areas of undergraduate music study, and students can expect to receive excellent training in the applied and academic branches of music. Music faculty members maintain high professional standards in the education and training of students.

All music majors complete the requirements of the bachelor of arts with a major in music degree. Students who want to prepare for careers in music education, performance, or jazz studies should complete the appropriate concentration.

Program Learning Outcomes

1. Communicate an understanding of the academic and musical skills necessary for success in the profession (knowledge-based, performance skill).
2. Perform and evaluate music using aesthetic skills as a soloist and ensemble member (knowledge-based, performance skills).
3. Act as a socially responsible member of the profession through working effectively with others toward a common goal in university ensembles (affective behavior).

Programs Offered

- Music Major (BA) (p. 276)
- Music Minor (p. 279)

Music Major Concentrations

- Music Performance
- Jazz Studies and Performance
- Contemporary Commercial Music
- Music Education
- Liberal Arts

Courses in Applied Music

MUSA 101 | Performance Lab I | 1 cr
All music majors are required to perform every semester. Performance lab gives students an opportunity to perform for their peers and music faculty. Students learn to evaluation skills by assessing performances. Faculty and students provide assessment at every performance lab. May be repeated for credit.
Prerequisites: Music major and concurrent enrollment in MUSA applied instrument 100 level; or consent instructor.
Offered: Fall, Spring.

MUSA 110 | Applied Piano | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirements" section in the University Catalog in the Music Department chapter.) To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied music courses MUSA" section in the University Catalog in the Music Department Chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major or minor, or consent of instructor; concurrent enrollment in MUSA 101 for majors.
Offered: Fall, Spring.

MUSA 111 | Applied Piano | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirements" section in the University Catalog in the Music Department chapter.) To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied music courses MUSA" section in the University Catalog in the Music Department Chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major; MUSA 110 with a grade of C+ or better; concurrent enrollment with MUSA 101; or consent of instructor.

Offered: Fall, Spring.

MUSA 112 | Applied Organ | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirements" section in the University Catalog in the Music Department chapter.) To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied music courses MUSA" section in the University Catalog in the Music Department Chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major or minor, or consent of instructor; concurrent enrollment in MUSA 101 for majors.

Offered: Fall, Spring.

MUSA 113 | Applied Organ | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirements" section in the University Catalog in the Music Department chapter.) To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied music courses MUSA" section in the University Catalog in the Music Department Chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major; MUSA 112 with C+ or better; concurrent enrollment in MUSA 101; or consent of instructor.

Offered: Fall, Spring.

MUSA 116 | Applied Harpsichord | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirements" section in the University Catalog in the Music Department chapter.) To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied music courses MUSA" section in the University Catalog in the Music Department Chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major or minor, or consent of instructor; concurrent enrollment in MUSA 101 for majors.

Offered: Fall, Spring.

MUSA 117 | Applied Harpsichord | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirements" section in the University Catalog in the Music Department chapter.) To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied music courses MUSA" section in the University Catalog in the Music Department Chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major; MUSA 116 with C+ or better; concurrent enrollment in MUSA 101; or consent of instructor.

Offered: Fall, Spring.

MUSA 120 | Applied Trumpet | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirements" section in the University Catalog in the Music Department chapter.) To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied music courses MUSA" section in the University Catalog in the Music Department Chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major or minor, or consent of instructor; concurrent enrollment in MUSA 101 for majors.

Offered: Fall, Spring.

MUSA 121 | Applied Trumpet | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirements" section in the University Catalog in the Music Department chapter.) To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied music courses MUSA" section in the University Catalog in the Music Department Chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major; MUSA 120 with grade of C+ or better; concurrent enrollment in MUSA 101; or consent of instructor.

Offered: Fall, Spring.

MUSA 122 | Applied Horn | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirements" section in the University Catalog in the Music Department chapter.) To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied music courses MUSA" section in the University Catalog in the Music Department Chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major or minor, or consent of instructor; concurrent enrollment in MUSA 101 for majors.

Offered: Fall, Spring.

MUSA 123 | Applied Horn | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirements" section in the University Catalog in the Music Department chapter.) To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied music courses MUSA" section in the University Catalog in the Music Department Chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major; MUSA 122 with C+ or better; concurrent enrollment in MUSA 101; or consent of instructor.
Offered: Fall, Spring.

MUSA 124 | Applied Trombone | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirements" section in the University Catalog in the Music Department chapter.) To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied music courses MUSA" section in the University Catalog in the Music Department Chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major or minor, or consent of instructor; concurrent enrollment in MUSA 101 for majors.
Offered: Fall, Spring.

MUSA 125 | Applied Trombone | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirements" section in the University Catalog in the Music Department chapter.) To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied music courses MUSA" section in the University Catalog in the Music Department Chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major; MUSA 124 with C+ or better; concurrent enrollment in MUSA 101; or consent of instructor.
Offered: Fall, Spring.

MUSA 126 | Applied Baritone | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirements" section in the University Catalog in the Music Department chapter.) To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied music courses MUSA" section in the University Catalog in the Music Department Chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major or minor, or consent of instructor; concurrent enrollment in MUSA 101 for majors.
Offered: Fall, Spring.

MUSA 127 | Applied Baritone | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirements" section in the University Catalog in the Music Department chapter.) To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied music courses MUSA" section in the University Catalog in the Music Department Chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major; MUSA 126 with C+ or better; concurrent enrollment in MUSA 101; or consent of instructor.
Offered: Fall, Spring.

MUSA 128 | Applied Tuba | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirements" section in the University Catalog in the Music Department chapter.) To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied music courses MUSA" section in the University Catalog in the Music Department Chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major or minor, or consent of instructor; concurrent enrollment in MUSA 101 for majors.
Offered: Fall, Spring.

MUSA 129 | Applied Tuba | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirements" section in the University Catalog in the Music Department chapter.) To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied music courses MUSA" section in the University Catalog in the Music Department Chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major; MUSA 128 with C+ or better; concurrent enrollment in MUSA 101; or consent of instructor.
Offered: Fall, Spring.

MUSA 140 | Applied Violin | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirements" section in the University Catalog in the Music Department chapter.) To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied music courses MUSA" section in the University Catalog in the Music Department Chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major or minor, or consent of instructor; concurrent enrollment in MUSA 101 for majors.
Offered: Fall, Spring.

MUSA 141 | Applied Violin | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirements" section in the University Catalog in the Music Department chapter.) To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied music courses MUSA" section in the University Catalog in the Music Department Chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major; MUSA 140 with C+ or better; concurrent enrollment in MUSA 101; or consent of instructor.

Offered: Fall, Spring.

MUSA 142 | Applied Viola | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirements" section in the University Catalog in the Music Department chapter.) To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied music courses MUSA" section in the University Catalog in the Music Department Chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major or minor, or consent of instructor; concurrent enrollment in MUSA 101 for majors.

Offered: Fall, Spring.

MUSA 143 | Applied Viola | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirements" section in the University Catalog in the Music Department chapter.) To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied music courses MUSA" section in the University Catalog in the Music Department Chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major; MUSA 142 with C+ or better; concurrent enrollment in MUSA 101; or consent of instructor.

Offered: Fall, Spring.

MUSA 144 | Applied Cello | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirements" section in the University Catalog in the Music Department chapter.) To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied music courses MUSA" section in the University Catalog in the Music Department Chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major or minor, or consent of instructor; concurrent enrollment in MUSA 101 for majors.

Offered: Fall, Spring.

MUSA 145 | Applied Cello | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirements" section in the University Catalog in the Music Department chapter.) To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied music courses MUSA" section in the University Catalog in the Music Department Chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major; MUSA 144 with C+ or better; concurrent enrollment in MUSA 101; or consent of instructor.

Offered: Fall, Spring.

MUSA 146 | Applied Bass | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirements" section in the University Catalog in the Music Department chapter.) To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied music courses MUSA" section in the University Catalog in the Music Department Chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major or minor, or consent of instructor; concurrent enrollment in MUSA 101 for majors.

Offered: Fall, Summer.

MUSA 147 | Applied Bass | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirements" section in the University Catalog in the Music Department chapter.) To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied music courses MUSA" section in the University Catalog in the Music Department Chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major; MUSA 146 with C+ or better; concurrent enrollment in MUSA 101; or consent of instructor.

Offered: Fall, Spring.

MUSA 148 | Applied Classical Guitar | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirements" section in the University Catalog in the Music Department chapter.) To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied music courses MUSA" section in the University Catalog in the Music Department Chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major or minor, or consent of instructor; concurrent enrollment in MUSA 101 for majors.

Offered: Fall, Spring.

MUSA 149 | Applied Classical Guitar | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirements" section in the University Catalog in the Music Department chapter.) To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied music courses MUSA" section in the University Catalog in the Music Department Chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major; MUSA 148 with C+ or better; concurrent enrollment in MUSA 101; or consent of instructor.
Offered: Fall, Spring.

MUSA 150 | Applied Harp | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirements" section in the University Catalog in the Music Department chapter.) To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied music courses MUSA" section in the University Catalog in the Music Department Chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major or minor, or consent of instructor; concurrent enrollment in MUSA 101 for majors.
Offered: Fall, Spring.

MUSA 151 | Applied Harp | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirements" section in the University Catalog in the Music Department chapter.) To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied music courses MUSA" section in the University Catalog in the Music Department Chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major; MUSA 150 with C+ or better; concurrent enrollment in MUSA 101; or consent of instructor.
Offered: Fall, Spring.

MUSA 160 | Applied Flute | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirements" section in the University Catalog in the Music Department chapter.) To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied music courses MUSA" section in the University Catalog in the Music Department Chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major or minor, or consent of instructor; concurrent enrollment in MUSA 101 for majors.
Offered: Fall, Spring.

MUSA 161 | Applied Flute | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirements" section in the University Catalog in the Music Department chapter.) To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied music courses MUSA" section in the University Catalog in the Music Department Chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major; MUSA 160 with C+ or better; concurrent enrollment in MUSA 101; or consent of instructor.
Offered: Fall, Spring.

MUSA 162 | Applied Oboe | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirements" section in the University Catalog in the Music Department chapter.) To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied music courses MUSA" section in the University Catalog in the Music Department Chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major or minor, or consent of instructor; concurrent enrollment in MUSA 101 for majors.
Offered: Fall, Spring.

MUSA 163 | Applied Oboe | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirements" section in the University Catalog in the Music Department chapter.) To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied music courses MUSA" section in the University Catalog in the Music Department Chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major; MUSA 162 with C+ or better; concurrent enrollment in MUSA 101; or consent of instructor.
Offered: Fall, Spring.

MUSA 164 | Applied Clarinet | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirements" section in the University Catalog in the Music Department chapter.) To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied music courses MUSA" section in the University Catalog in the Music Department Chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major or minor, or consent of instructor; concurrent enrollment in MUSA 101 for majors.
Offered: Fall, Spring.

MUSA 165 | Applied Clarinet | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirements" section in the University Catalog in the Music Department chapter.) To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied music courses MUSA" section in the University Catalog in the Music Department Chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major; MUSA 164 with C+ or better; concurrent enrollment in MUSA 101; or consent of instructor.

Offered: Fall, Spring.

MUSA 166 | Applied Saxophone | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirements" section in the University Catalog in the Music Department chapter.) To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied music courses MUSA" section in the University Catalog in the Music Department Chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major or minor, or consent of instructor; concurrent enrollment in MUSA 101 for majors.

Offered: Fall, Spring.

MUSA 167 | Applied Saxophone | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirements" section in the University Catalog in the Music Department chapter.) To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied music courses MUSA" section in the University Catalog in the Music Department Chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major; MUSA 166 with C+ or better; concurrent enrollment in MUSA 101; or consent of instructor.

Offered: Fall, Spring.

MUSA 168 | Applied Bassoon | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirements" section in the University Catalog in the Music Department chapter.) To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied music courses MUSA" section in the University Catalog in the Music Department Chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major or minor, or consent of instructor; concurrent enrollment in MUSA 101 for majors.

Offered: Fall, Spring.

MUSA 169 | Applied Bassoon | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirements" section in the University Catalog in the Music Department chapter.) To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied music courses MUSA" section in the University Catalog in the Music Department Chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major; MUSA 168 with C+ or better; concurrent enrollment in MUSA 101; or consent of instructor.

Offered: Fall, Spring.

MUSA 180 | Applied Voice | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirements" section in the University Catalog in the Music Department chapter.) To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied music courses MUSA" section in the University Catalog in the Music Department Chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major or minor, or consent of instructor; concurrent enrollment in MUSA 101 for majors.

Offered: Fall, Spring.

MUSA 181 | Applied Voice | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirements" section in the University Catalog in the Music Department chapter.) To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied music courses MUSA" section in the University Catalog in the Music Department Chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major; MUSA 180 with C+ or better; concurrent enrollment in MUSA 101; or consent of instructor.

Offered: Fall, Spring.

MUSA 184 | Applied Percussion | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirements" section in the University Catalog in the Music Department chapter.) To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied music courses MUSA" section in the University Catalog in the Music Department Chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major or minor, or consent of instructor; concurrent enrollment in MUSA 101 for majors.

Offered: Fall, Spring.

MUSA 185 | Applied Percussion | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirements" section in the University Catalog in the Music Department chapter.) To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied music courses MUSA" section in the University Catalog in the Music Department Chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major; MUSA 184 with C+ or better; concurrent enrollment in MUSA 101; or consent of instructor.

Offered: Fall, Spring.

MUSA 201 | Performance Lab II | 1 cr

All music majors are required to perform every semester. Performance lab gives students an opportunity to perform for their peers and music faculty. Students learn to evaluation skills by assessing performances. Faculty and students provide assessment at every performance lab. May be repeated for credit.

Prerequisites: Music major and concurrent enrollment in MUSA applied instrument 200 level; or consent instructor.

Offered: Fall, Spring.

MUSA 210 | Applied Piano | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major; MUSA 111 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.

Offered: Fall, Spring.

MUSA 211 | Applied Piano | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major; MUSA 210 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.

Offered: Fall, Spring.

MUSA 212 | Applied Organ | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major; MUSA 113 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.

Offered: Fall, Spring.

MUSA 213 | Applied Organ | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major; MUSA 212 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.

Offered: Fall, Spring.

MUSA 216 | Applied Harpsichord | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major; MUSA 117 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.

Offered: Fall, Spring.

MUSA 217 | Applied Harpsichord | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major; MUSA 117 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.

Offered: Fall, Spring.

MUSA 220 | Applied Trumpet | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major; MUSA 121 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.

Offered: Fall, Spring.

MUSA 221 | Applied Trumpet | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major; MUSA 220 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.

Offered: Fall, Spring.

MUSA 222 | Applied Horn | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major; MUSA 123 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.

Offered: Fall, Spring.

MUSA 223 | Applied Horn | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major; MUSA 222 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.

Offered: Fall, Spring.

MUSA 224 | Applied Trombone | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major; MUSA 125 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.

Offered: Fall, Spring.

MUSA 225 | Applied Trombone | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major; MUSA 224 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.

Offered: Fall, Spring.

MUSA 226 | Applied Baritone | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major; MUSA 127 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.

Offered: Fall, Spring.

MUSA 227 | Applied Baritone | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major; MUSA 226 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.

Offered: Fall, Spring.

MUSA 228 | Applied Tuba | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major; MUSA 129 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.
Offered: Fall, Spring.

MUSA 229 | Applied Tuba | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major; MUSA 228 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.
Offered: Fall, Spring.

MUSA 240 | Applied Violin | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major; MUSA 141 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.
Offered: Fall, Spring.

MUSA 241 | Applied Violin | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major; MUSA 240 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.
Offered: Fall, Spring.

MUSA 242 | Applied Viola | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major; MUSA 143 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.
Offered: Fall, Spring.

MUSA 243 | Applied Viola | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major; MUSA 242 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.
Offered: Fall, Spring.

MUSA 244 | Applied Cello | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major; MUSA 145 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.
Offered: Fall, Spring.

MUSA 245 | Applied Cello | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major; MUSA 244 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.
Offered: Fall, Spring.

MUSA 246 | Applied Bass | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major; MUSA 147 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.

Offered: Fall, Spring.

MUSA 247 | Applied Bass | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major; MUSA 246 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.

Offered: Fall, Spring.

MUSA 248 | Applied Classical Guitar | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major; MUSA 149 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.

Offered: Fall, Spring.

MUSA 249 | Applied Classical Guitar | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major; MUSA 248 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.

Offered: Fall, Spring.

MUSA 250 | Applied Harp | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major; MUSA 151 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.

Offered: Fall, Spring.

MUSA 251 | Applied Harp | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major; MUSA 250 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.

Offered: Fall, Spring.

MUSA 260 | Applied Flute | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major; MUSA 161 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.

Offered: Fall, Spring.

MUSA 261 | Applied Flute | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major; MUSA 260 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.

Offered: Fall, Spring.

MUSA 262 | Applied Oboe | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major; MUSA 163 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.
Offered: Fall, Spring.

MUSA 263 | Applied Oboe | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major; MUSA 262 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.
Offered: Fall, Spring.

MUSA 264 | Applied Clarinet | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major; MUSA 165 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.
Offered: Fall, Spring.

MUSA 265 | Applied Clarinet | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major; MUSA 264 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.
Offered: Fall, Spring.

MUSA 266 | Applied Saxophone | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major; MUSA 167 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.
Offered: Fall, Spring.

MUSA 267 | Applied Saxophone | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major; MUSA 266 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.
Offered: Fall, Spring.

MUSA 268 | Applied Bassoon | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major; MUSA 169 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.
Offered: Fall, Spring.

MUSA 269 | Applied Bassoon | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major; MUSA 268 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.
Offered: Fall, Spring.

MUSA 280 | Applied Voice | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major; MUSA 181 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.

Offered: Fall, Spring.

MUSA 281 | Applied Voice | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major; MUSA 280 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.

Offered: Fall, Spring.

MUSA 284 | Applied Percussion | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major; MUSA 185 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.

Offered: Fall, Spring.

MUSA 285 | Applied Percussion | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major; MUSA 284 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.

Offered: Fall, Spring.

MUSA 300 | Junior Recital | 1 cr

Supervised recital preparation and performance with appropriate research and writing of the recital program notes. May repeat for credit. Lab fee.

Prerequisites: Junior standing, consent of music department chair.

Offered: Fall, Spring.

MUSA 301 | Performance Lab III | 1 cr

All music majors are required to perform every semester. Performance lab gives students an opportunity to perform for their peers and music faculty. Students learn to evaluation skills by assessing performances. Faculty and students provide assessment at every performance lab. May be repeated for credit.

Prerequisites: Music major and concurrent enrollment in MUSA applied instrument 300 level; or consent instructor.

Offered: Fall, Spring.

MUSA 310 | Applied Piano | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major; MUSA 211 C+ or better; concurrent enrollment with MUSA 301; or consent of instructor.

Offered: Fall, Spring.

MUSA 311 | Applied Piano | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major; MUSA 310 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.

Offered: Fall, Spring.

MUSA 312 | Applied Organ | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major; MUSA 213 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.

Offered: Fall, Spring.

MUSA 313 | Applied Organ | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major; MUSA 312 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.
Offered: Fall, Spring.

MUSA 316 | Applied Harpsichord | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major; MUSA 217 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.
Offered: Fall, Spring.

MUSA 317 | Applied Harpsichord | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major; MUSA 316 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.
Offered: Fall, Spring.

MUSA 320 | Applied Trumpet | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major; MUSA 221 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.
Offered: Fall, Spring.

MUSA 321 | Applied Trumpet | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major; MUSA 320 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.
Offered: Fall, Spring.

MUSA 322 | Applied Horn | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major; MUSA 223 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.
Offered: Fall, Spring.

MUSA 323 | Applied Horn | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major; MUSA 322 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.
Offered: Fall, Spring.

MUSA 324 | Applied Trombone | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major; MUSA 225 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.
Offered: Fall, Spring.

MUSA 325 | Applied Trombone | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major; MUSA 324 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.

Offered: Fall, Spring.

MUSA 326 | Applied Baritone | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee

Prerequisites: Music major; MUSA 227 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.

Offered: Fall, Spring.

MUSA 327 | Applied Baritone | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major; MUSA 326 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.

Offered: Fall, Spring.

MUSA 328 | Applied Tuba | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major; MUSA 229 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.

Offered: Fall, Spring.

MUSA 329 | Applied Tuba | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major; MUSA 328 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.

Offered: Fall, Spring.

MUSA 340 | Applied Violin | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee

Prerequisites: Music major; MUSA 241 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.

Offered: Fall, Spring.

MUSA 341 | Applied Violin | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major; MUSA 340 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.

Offered: Fall, Spring.

MUSA 342 | Applied Viola | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major; MUSA 243 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.

Offered: Fall, Spring.

MUSA 343 | Applied Viola | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major; MUSA 342 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.
Offered: Fall, Spring.

MUSA 344 | Applied Cello | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major; MUSA 245 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.
Offered: Fall, Spring.

MUSA 345 | Applied Cello | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major; MUSA 344 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.
Offered: Fall, Summer.

MUSA 346 | Applied Bass | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major; MUSA 247 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.
Offered: Fall, Spring.

MUSA 347 | Applied Bass | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major; MUSA 346 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.
Offered: Fall, Spring.

MUSA 348 | Applied Classical Guitar | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major; MUSA 249 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.
Offered: Fall, Spring.

MUSA 349 | Applied Classical Guitar | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major; MUSA 348 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.
Offered: Fall, Spring.

MUSA 350 | Applied Harp | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major; MUSA 251 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.
Offered: Fall, Spring.

MUSA 351 | Applied Harp | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major; MUSA 350 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.

Offered: Fall, Spring.

MUSA 360 | Applied Flute | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. May repeat for credit. Lab fee: $80. Frequency: Fall, Spring.

Prerequisites: Music major; MUSA 261 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.

Offered: Fall, Spring.

MUSA 361 | Applied Flute | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major; MUSA 360 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.

Offered: Fall, Spring.

MUSA 362 | Applied Oboe | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major; MUSA 263 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.

Offered: Fall, Spring.

MUSA 363 | Applied Oboe | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major; MUSA 362 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.

Offered: Fall, Spring.

MUSA 364 | Applied Clarinet | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major; MUSA 265 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.

Offered: Fall, Spring.

MUSA 365 | Applied Clarinet | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major; MUSA 364 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.

Offered: Fall, Spring.

MUSA 366 | Applied Saxophone | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major; MUSA 267 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.

Offered: Fall, Spring.

MUSA 367 | Applied Saxophone | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major; MUSA 366 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.
Offered: Fall, Spring.

MUSA 368 | Applied Bassoon | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major; MUSA 269 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.
Offered: Fall, Spring.

MUSA 369 | Applied Bassoon | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major; MUSA 368 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.
Offered: Fall, Spring.

MUSA 380 | Applied Voice | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major; MUSA 281 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.
Offered: Fall, Spring.

MUSA 381 | Applied Voice | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major; MUSA 380 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.
Offered: Fall, Spring.

MUSA 384 | Applied Percussion | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major; MUSA 285 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.
Offered: Fall, Spring.

MUSA 385 | Applied Percussion | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major; MUSA 384 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.
Offered: Fall, Spring.

MUSA 400 | Senior Recital | 2 cr
Supervised recital preparation and performance with appropriate research and writing of the recital program notes. May be repeated for credit. Lab fee.
Prerequisites: Senior standing, consent of music department chair.
Offered: Fall, Spring.

MUSA 410 | Applied Piano | 2 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major with a concentration in music performance or jazz studies and performance; MUSA 311 with C+ or better; or consent of instructor.
Offered: Fall, Spring.

MUSA 411 | Applied Piano | 2 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major with a concentration in music performance or jazz studies and performance; MUSA 410 with C+ or better; or consent of instructor.

Offered: Fall, Spring.

MUSA 412 | Applied Organ | 2 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major with a concentration in music performance or jazz studies and performance; MUSA 313 with C+ or better; or consent of instructor.

Offered: Fall, Spring.

MUSA 413 | Applied Organ | 2 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major with a concentration in music performance or jazz studies and performance; MUSA 412 with C+ or better; or consent of instructor.

Offered: Fall, Spring.

MUSA 416 | Applied Harpsichord | 2 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major with a concentration in music performance or jazz studies and performance; MUSA 317 with C+ or better; or consent of instructor.

Offered: Fall, Spring.

MUSA 417 | Applied Harpsichord | 2 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major with a concentration in music performance or jazz studies and performance; MUSA 416 with C+ or better; or consent of instructor.

Offered: Fall, Spring.

MUSA 420 | Applied Trumpet | 2 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major with a concentration in music performance or jazz studies and performance; MUSA 321 with C+ or better; or consent of instructor.

Offered: Fall, Spring.

MUSA 421 | Applied Trumpet | 2 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major with a concentration in music performance or jazz studies and performance; MUSA 420 with C+ or better; or consent of instructor.

Offered: Fall, Spring.

MUSA 422 | Applied Horn | 2 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major with a concentration in music performance or jazz studies and performance; MUSA 323 with C+ or better; or consent of instructor.

Offered: Fall, Spring.

MUSA 423 | Applied Horn | 2 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major with a concentration in music performance or jazz studies and performance; MUSA 422 with C+ or better; or consent of instructor.
Offered: Fall, Spring.

MUSA 424 | Applied Trombone | 2 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major with a concentration in music performance or jazz studies and performance; MUSA 325 with C+ or better; or consent of instructor.
Offered: Fall, Spring.

MUSA 425 | Applied Trombone | 2 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major with a concentration in music performance or jazz studies and performance; MUSA 424 with C+ or better; or consent of instructor.
Offered: Fall, Spring.

MUSA 426 | Applied Baritone | 2 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major with a concentration in music performance or jazz studies and performance; MUSA 327 with C+ or better; or consent of instructor.
Offered: Fall, Spring.

MUSA 427 | Applied Baritone | 2 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major with a concentration in music performance or jazz studies and performance; MUSA 426 with C+ or better; or consent of instructor.
Offered: Fall, Spring.

MUSA 428 | Applied Tuba | 2 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major with a concentration in music performance or jazz studies and performance; MUSA 329 with C+ or better; or consent of instructor.
Offered: Fall, Spring.

MUSA 429 | Applied Tuba | 2 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major with a concentration in music performance or jazz studies and performance; MUSA 428 with C+ or better; or consent of instructor.
Offered: Fall, Spring.

MUSA 440 | Applied Violin | 2 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major with a concentration in music performance or jazz studies and performance; MUSA 341 with C+ or better; or consent of instructor.
Offered: Fall, Spring.

MUSA 441 | Applied Violin | 2 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major with a concentration in music performance or jazz studies and performance; MUSA 440 with C+ or better; or consent of instructor.

Offered: Fall, Spring.

MUSA 442 | Applied Viola | 2 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major with a concentration in music performance or jazz studies and performance; MUSA 343 with C+ or better; or consent of instructor.

Offered: Fall, Spring.

MUSA 443 | Applied Viola | 2 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major with a concentration in music performance or jazz studies and performance; MUSA 442 with C+ or better; or consent of instructor.

Offered: Fall, Spring.

MUSA 444 | Applied Cello | 2 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major with a concentration in music performance or jazz studies and performance; MUSA 345 with C+ or better; or consent of instructor.

Offered: Fall, Spring.

MUSA 445 | Applied Cello | 2 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major with a concentration in music performance or jazz studies and performance; MUSA 444 with C+ or better; or consent of instructor.

Offered: Fall, Spring.

MUSA 446 | Applied Bass | 2 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major with a concentration in music performance or jazz studies and performance; MUSA 347 with C+ or better; or consent of instructor.

Offered: Fall, Spring.

MUSA 447 | Applied Bass | 2 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major with a concentration in music performance or jazz studies and performance; MUSA 446 with C+ or better; or consent of instructor.

Offered: Fall, Spring.

MUSA 448 | Applied Classical Guitar | 2 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major with a concentration in music performance or jazz studies and performance; MUSA 349 with C+ or better; or consent of instructor.

Offered: Fall, Spring.

MUSA 449 | Applied Classical Guitar | 2 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major with a concentration in music performance or jazz studies and performance; MUSA 448 with C+ or better; or consent of instructor.
Offered: Fall, Spring.

MUSA 450 | Applied Harp | 2 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major with a concentration in music performance or jazz studies and performance; MUSA 351 with C+ or better; or consent of instructor.
Offered: Fall, Spring.

MUSA 451 | Applied Harp | 2 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major with a concentration in music performance or jazz studies and performance; MUSA 450 with C+ or better; or consent of instructor.
Offered: Fall, Spring.

MUSA 460 | Applied Flute | 2 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major with a concentration in music performance or jazz studies and performance; MUSA 361 with C+ or better; or consent of instructor.
Offered: Fall, Spring.

MUSA 461 | Applied Flute | 2 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major with a concentration in music performance or jazz studies and performance; MUSA 460 with C+ or better; or consent of instructor.
Offered: Fall, Spring.

MUSA 462 | Applied Oboe | 2 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major with a concentration in music performance or jazz studies and performance; MUSA 363 with C+ or better; or consent of instructor.
Offered: Fall, Spring.

MUSA 463 | Applied Oboe | 2 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major with a concentration in music performance or jazz studies and performance; MUSA 462 with C+ or better; or consent of instructor.
Offered: Fall, Spring.

MUSA 464 | Applied Clarinet | 2 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major with a concentration in music performance or jazz studies and performance; MUSA 365 with C+ or better; or consent of instructor.
Offered: Fall, Spring.

MUSA 465 | Applied Clarinet | 2 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major with a concentration in music performance or jazz studies and performance; MUSA 464 with C+ or better; or consent of instructor.

Offered: Fall, Spring.

MUSA 466 | Applied Saxophone | 2 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major with a concentration in music performance or jazz studies and performance; MUSA 367 with C+ or better; or consent of instructor.

Offered: Fall, Spring.

MUSA 467 | Applied Saxophone | 2 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major with a concentration in music performance or jazz studies and performance; MUSA 466 with C+ or better; or consent of instructor.

Offered: Fall, Summer.

MUSA 468 | Applied Bassoon | 2 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major with a concentration in music performance or jazz studies and performance; MUSA 369 with C+ or better; or consent of instructor.

Offered: Fall, Spring.

MUSA 469 | Applied Bassoon | 2 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major with a concentration in music performance or jazz studies and performance; MUSA 468 with C+ or better; or consent of instructor.

Offered: Fall, Spring.

MUSA 480 | Applied Voice | 2 cr

Provides opportunity for private instruction in applied music for majors and minors. May be repeated for credit. Requires lab fee.

Prerequisites: Music major with a concentration in music performance, contemporary commercial music or jazz studies and performance; MUSA 381 with C+ or better; concurrent registration in a core music course and a large ensemble is required; or consent of instructor.

Offered: Fall, Spring.

MUSA 481 | Applied Voice | 2 cr

Provides opportunity for private instruction in applied music for majors and minors. May be repeated for credit. Requires lab fee.

Prerequisites: Music major with a concentration in music performance, contemporary commercial music or jazz studies and performance; MUSA 381 with C+ or better; concurrent registration in a core music course and a large ensemble is required; or consent of instructor.

Offered: Fall, Spring.

MUSA 484 | Applied Percussion | 2 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major with a concentration in music performance or jazz studies and performance; MUSA 385 with C+ or better; or consent of instructor.

Offered: Fall, Spring.

MUSA 485 | Applied Percussion | 2 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major with a concentration in music performance or jazz studies and performance; MUSA 484 with C+ or better; or consent of instructor.

Offered: Fall, Spring.

Courses in Music

MUSI 100 | Appreciation of World Music | 3 cr
Introduces the many styles and types of music heard in America today; explores contributions made by cultures from around the world.
Prerequisites: None.
Offered: Fall, Spring.
Meets: Humanities and the Arts: MUS, Humanities and the Arts: MUS, Humanities and the Arts: MUS, Humanities and the Arts: MUS, Humanities and the Arts: MUS

MUSI 101 | Fundamentals of Music | 3 cr
Introduces music vocabulary including notation, scales, melody and basic harmony.
Prerequisites: None.
Offered: Fall, Spring, Summer.
Meets: Humanities and the Arts: MUS, Humanities and the Arts: MUS, Humanities and the Arts: MUS, Humanities and the Arts: MUS, Humanities and the Arts: MUS

MUSI 104 | Music Appreciation | 3 cr
Explores musical enjoyment and understanding. Includes listening experiences in the various styles and forms of music, assigned readings and attendance at performances.
Prerequisites: None.
Offered: Fall, Spring.
Meets: Humanities and the Arts: MUS, Humanities and the Arts: MUS, Humanities and the Arts: MUS, Humanities and the Arts: MUS, Humanities and the Arts: MUS

MUSI 106 | Jazz Appreciation | 3 cr
Explores stylistic periods of jazz from its beginning through the present. Emphasizes key performers and their styles. Includes recordings and live performances. Open to all students.
Prerequisites: None.
Offered: Fall, Spring.
Meets: Humanities and the Arts: MUS, Ethnic Diversity, Humanities and the Arts: MUS, Ethnic Diversity, Humanities and the Arts: MUS, Ethnic Diversity, Humanities and the Arts: MUS, Ethnic Diversity, Humanities and the Arts: MUS, Ethnic Diversity

MUSI 118 | Music Theory Lab I | 1 cr
Introduces basic music vocabulary, including study of notation, scales, melody and basic harmony. Explores basic solfege and basic piano skills.
Prerequisites: Music major or minor; or consent of instructor.
Offered: Occasionally.

MUSI 119 | Music Theory Lab II | 1 cr
Continues exploration of basic music vocabulary, including notation, scales, melody, basic harmony, solfege, and basic piano skills.
Prerequisites: MUSI 118; or consent of instructor.
Offered: Occasionally.

MUSI 120 | Music Theory I | 2 cr
Develops the fundamentals of music, in depth. Studies include notation, acoustics, scales, rhythm, diatonic harmony, melody, intervals, keys and chord functions. Other topics include figured bass, melodic composition, Roman numeral analysis, and the principles of four-part writing. Lab fee.
Prerequisites: Music major, minor, concurrent registration in MUSP 135.
Offered: Fall.

MUSI 121 | Music Theory II | 2 cr
Expands on topics presented in Music Theory I and introduces harmonic progression, non-chord tones, cadences, phrase and period structure, dominant seventh chords, and harmonization of melodies. Includes projects in analysis and composition. Course fee.
Prerequisites: MUSI 120 with a grade of C or better, concurrent registration MUSP 136.
Offered: Occasionally.

MUSI 221 | Music Theory III | 2 cr
Studies in diatonic seventh chords, chromaticism, secondary functions, modulatory techniques, and binary and ternary forms. Includes projects in analysis and composition. Lab fee.
Prerequisites: MUSI 121 with C or better, concurrent registration in MUSP 236.
Offered: Fall.

MUSI 226 | Popular Music Theory | 2 cr
Examines pop and jazz harmonies and theory for popular music. Includes modal scales and popular music scales, diversity of rhythm, popular patterns, melody construction, commercial harmony, and analysis of popular music.
Prerequisites: MUSI 221.
Offered: Fall.

MUSI 290 | Special Topics in Music | 1-4 cr
Selected topics in music will be examined.
Prerequisites: None.
Offered: Occasionally.

MUSI 321 | Music Theory IV | 2 cr
Studies in 19th-20th century music, including mode mixture, Neapolitan chords, augmented sixth chords, enharmonic reinterpretation, and advanced modulatory techniques. Includes projects in analysis and composition. Course fee.
Prerequisites: MUSI 221 with a grade of C or better, concurrent registration in MUSP 336.
Offered: Spring.

MUSI 330 | Music History I: 450-1750 | 3 cr
Surveys Western music from medieval music to the early 18th century. Explores the stylistic evolution within music and in relation to civilization.
Prerequisites: ENGL 101.
Offered: Fall.

MUSI 331 | Music History II: 1750-Present | 3 cr
Explores the stylistic evolution of music from the 18th century through the present.
Prerequisites: ENGL 101.
Offered: Spring.

MUSI 332 | World Music | 3 cr
Surveys music and its place in human cultures around the world. Considers traditional, popular, and classical musics from a number of regions using an ethno-musicological perspective, highlighting similarities and differences in relation to other domains of cross-cultural social life.
Prerequisites: Music major or minor.
Offered: Fall, Spring.

MUSI 336 | African-American Music | 3 cr
Survey and study of development and evolution of African American music 17th century to present with attention given to historical, sociological, political and humanistic contexts. Cross-listed with: ETHN 336.
Prerequisites: None.
Offered: Summer.
Meets: Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity

MUSI 338 | Music of the Great Migration: 1900-1960 | 3 cr
Survey and study of African American music, from 1900-1960, related to the Great Migration and its next generation. Attention given to historical, sociological, political and humanistic contexts. Community-based learning designation. Cross-listed with: ETHN 338.
Prerequisites: None.
Offered: Occasionally.
Meets: Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning

MUSI 339 | Music of the Great Migration: 1960-1990 | 3 cr
Survey and study of African American music, from 1960-1990, related to the Great Migration and its next generation. Attention given to historical, sociological, political and humanistic contexts. Cross-listed with: ETHN 339.
Prerequisites: None.
Offered: Occasionally.

MUSI 340 | American Popular Music | 3 cr
Explores American popular music idioms including blues, folk, ragtime, jazz, big band, spirituals, blue grass, Tejano, Cajun, musical comedy, western, gospel, country, skiffle, rock and roll, R&B, soul, funk, Motown, hard rock, disco, heavy metal, reggae, corporate rock, punk, worldbeat, new wave, grunge, new age, easy listening, techno, rap and hip hop.
Prerequisites: Music major or consent of instructor.
Offered: Occasionally.

MUSI 346 | Jazz History | 3 cr
Examines stylistic periods of jazz from origins to present with emphasis on major performers and styles. Includes recordings and live performances.
Prerequisites: Music major.
Offered: Fall, Spring.

MUSI 350 | Music Business | 2 cr
Investigates employment in music through education, performing and various aspects of music as a business: publishing, instrument sales, recording and management. Open to all students.
Prerequisites: None.
Offered: Occasionally.

MUSI 377 | Vocal Pedagogy | 1 cr
Introduces voice science through readings and lectures including some independent reading and research. Explores vocal pedagogy with concepts used in a controlled setting where the student becomes the teacher.
Prerequisites: MUSA 181 or consent of instructor.
Offered: Occasionally.

MUSI 380 | Diction | 3 cr
Introduces application of the International Phonetic Alphabet to English, Italian, French and German vocal repertoire, along with study of representative vocal literature and related performance techniques.
Prerequisites: MUSA 181, or consent of instructor.
Offered: Yearly.

MUSI 420 | Analytic Technics | 2 cr
Investigates the structural and harmonic analysis of small and large musical forms.
Prerequisites: MUSI 321 with C or better.
Offered: Occasionally.

MUSI 421 | Post-Tonal Materials and Techniques | 2 cr
Examines historical and analytical studies in 20th and 21st century music including impressionism, neo-classicism, atonality, serialism, set theory, aleatoric music, minimalism, as well as technological developments, sound mass, and new approaches to rhythm.
Prerequisites: MUSI 321 with C or better, or consent of instructor.
Offered: Occasionally.

MUSI 423 | Orchestration and Arranging | 2 cr
Explores individual instruments and scoring practices for orchestral instruments.
Prerequisites: MUSI 321 or consent of instructor.
Offered: Occasionally.

MUSI 425 | Jazz Arranging | 2 cr
Explores idiomatic writing for jazz instruments, including written arrangements in a variety of jazz styles for small and large jazz ensembles.
Prerequisites: MUSI 321, MUSP 336; or consent of instructor.
Offered: Occasionally.

MUSI 447 | Jazz Styles | 2 cr
Explores jazz history through solo analysis, listening, ear training, and the performance of specific transcriptions from major jazz artists.
Prerequisites: MUSI 346, music major with jazz studies and performance concentration; or consent of instructor.
Offered: Occasionally.

MUSI 480 | Seminar in Piano Literature and Performance Practice | 2 cr
Advanced study of a specific era of the piano repertoire including all aspects of performance practice: tempo, rhythm, articulation, rubato, dynamics, ornamentation, pedaling and historical context. Each time offered, this course will examine a different era or composer. May repeat with different topic.
Prerequisites: Consent of instructor.
Offered: Yearly.

MUSI 485 | Music Composition Seminar | 2 cr
Explores analysis and composition of music. Seminar participation and individual composition lessons. May be repeated for credit.
Prerequisites: MUSI 321 or consent of instructor.
Offered: Occasionally.

MUSI 489 | Music Senior Seminar | 3 cr
Provides opportunity for the development and presentation of a portfolio (paper and electronic) and auditions/interview materials to prepare for professional careers and/or graduate study.
Prerequisites: Senior standing, consent of instructor and department chair.
Offered: Yearly.

MUSI 490 | Special Topics in Music | 1-4 cr
Selected topics in music will be studied.
Prerequisites: none.
Offered: Occasionally.

MUSI 495 | Music Internship | 1-3 cr
Individualized program of study for juniors and seniors that includes apprenticeships at professional local music organizations and at UW-Parkside Fine Arts offices under the supervision of faculty and staff. May be repeated for a maximum of 12 credits.
Prerequisites: Junior or senior standing, consent of department chair.
Offered: Fall, Spring.

MUSI 499 | Independent Study | 1-5 cr
Allows students the opportunity to explore a variety of musical subjects and/or projects that are not regularly offered in other music courses.
Prerequisites: Consent of instructor and department chair.
Offered: Fall, Spring.

Courses in Music Education

MUSE 300 | Music Teaching and Learning | 3 cr
Examines the foundations of music pedagogy, including historical and philosophical foundations and curricular approaches used in music teaching and learning. Includes field-based observational experiences in diverse classroom and community music settings. Requires supervised and evaluated field experience. Community-based learning designation.
Prerequisites: Music major or minor; or consent of instructor.
Offered: Yearly.
Meets: Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning

MUSE 302 | General Music Methods I: Elementary | 3 cr
Prepares students to teach general music to young children. Equips students with the competencies to plan, create, implement, and evaluate a general music curriculum. Reviews current trends, materials, methods, and approaches. Prerequisites; MUSI 121, MUSP 150; or consent of the instructor.
Offered: Fall.

MUSE 303 | Interdisciplinary Teaching and Learning | 2 cr
Explores the integration of music, visual art, drama, and movement with elementary and middle school curricula. Includes methods of instruction such as modeling and demonstration, group discussions, small group projects, critiques, and development of lesson plans that integrate the arts into the curricula.
Prerequisites: MUSE 300 or any EDU course; or consent of instructor.
Offered: Yearly.

MUSE 304 | General Music Methods II: Secondary | 3 cr
Prepares students to teach general music to middle/high school students. Equips students with the competencies to plan, create, implement, and evaluate a general music curriculum. Reviews current trends, materials, methods, and approaches.
Prerequisites: MUSI 121, MUSP 150; or consent of instructor.
Offered: Fall.

MUSE 411 | Methods of Elementary and Middle School Choral Music | 3 cr
Focuses on developing the knowledge, performances, and dispositions required in choral music educators in elementary and middle school settings. Includes administration, curriculum development, literature selection, instructional planning, and teaching strategies. Requires supervised and evaluated field experience.
Prerequisites: MUSI 321 or consent of instructor.
Offered: Fall.

MUSE 413 | Methods of Teaching Secondary Choral Music | 3 cr
Prepares students to plan, organize, administer, and teach choral music in secondary music programs. Includes examination of materials, literature, and resources for secondary vocal music instruction. Requires supervised and evaluated field experience.
Prerequisites: MUSI 321 or consent of instructor.
Offered: Spring.

MUSE 414 | Methods of Elementary and Middle School Instrumental Music | 3 cr
Prepares students to plan, organize, administer, and teach instrumental music in primary music programs. Students participate in a variety of field observations of music programs, rehearsals, and performances. Requires supervised and evaluated field experience.
Prerequisites: MUSI 321 or consent of instructor.
Offered: Fall.

MUSE 416 | Methods of Teaching Secondary Instrumental Music | 3 cr
Prepares students to plan, organize, administer, and teach instrumental music in the secondary school music program. Requires participation in a variety of field observations of school music programs, rehearsals, and performances. Includes planning for and implementing ensemble warm-ups, leading sectional rehearsals, and working with selected students on solo or ensemble repertoire. Requires supervised and evaluated field experience.
Prerequisites: MUSI 321 or consent of the instructor.
Offered: Spring.

Courses in Music Performance

MUSP 1 | Concert Attendance | 0 cr
Attendance of music programs selected from an approved concert calendar for the purpose of broadening the student's musical experience.
Prerequisites: Music major or minor.
Offered: Fall, Spring.

MUSP 102 | Large Music Ensemble | 1 cr
Study and performance of music in the genres and historical styles appropriate to a variety of choral and instrumental ensembles. University Chorale, Master Singers, Jazz Ensemble, Wind Ensemble, Community Band, Parkside Symphony and Community Orchestra are offered every semester. Occasional extra rehearsals. May be repeated for credit.
Prerequisites: None.
Offered: Fall, Spring.
Meets: Humanities and the Arts: MUS, Humanities and the Arts: MUS, Humanities and the Arts: MUS, Humanities and the Arts: MUS, Humanities and the Arts: MUS

MUSP 135 | Aural Music Theory I | 1 cr
Sight singing and aural recognition of the elements of tonal music including intervals, harmony, melody, rhythm and tonality. Lab fee.
Prerequisites: Music major, minor, concurrent registration in MUSI 120; or consent of instructor.
Offered: Fall.

MUSP 136 | Aural Music Theory II | 1 cr
Continuation of Aural Music Theory I with an emphasis on aural recognition of the elements of 18th-century music. Lab fee.
Prerequisites: MUSI 120 and MUSP 135 with a grade of C or better; concurrent enrollment MUSI 121.
Offered: Spring.

MUSP 150 | Class Piano I | 2 cr
Basic piano literature, development of keyboard sight reading, harmonization, transposition and improvisation. Lab fee.
Prerequisites: Music major, minor; or consent of instructor.
Offered: Fall.

MUSP 151 | Class Piano II | 2 cr
Prerequisites: Music major or minor and MUSP 150 with a grade of C or better; or consent of instructor.
Offered: Spring.

MUSP 223 | Fundamentals of Improvisation | 1 cr
Explores scales, modes and associated chords used in jazz improvisation. Includes methods of applied, aural and written study.
Prerequisites: MUSI 120 or consent of instructor.
Offered: Occasionally.

MUSP 224 | Jazz Improvisation I | 1 cr
Provides opportunity for improvisation in a small-group setting playing major and minor blues and basic jazz tunes including introductions and endings.
Prerequisites: MUSI 120, or consent of instructor.
Offered: Fall.

MUSP 236 | Aural Music Theory III | 1 cr
Continuation of Aural Music Theory II with an emphasis on aural recognition of the elements of early 19th-century music, and coordination of gestural conducting elements. Lab fee.
Prerequisites: MUSI 121 and MUSP 136 with a grade of C or better; concurrent registration MUSI 221.
Offered: Fall.

MUSP 240 | Sound Production I | 2 cr
Explores basics of sound production including recording, engineering, and production.
Prerequisites: Declared major in one of the following areas: music, art, theatre arts, communication or English.
Offered: Yearly.

MUSP 250 | Class Piano III For Music Educators | 2 cr
Playing of three-part scores, vocal and instrumental accompaniments, chorales, more difficult transposition and harmonization; use of pedals. Lab fee
Prerequisites: MUSP 151 with a grade of C or better; or consent of instructor.
Offered: Fall.

MUSP 251 | Class Piano IV For Choral Education | 1 cr
Playing of four-part vocal scores, orchestral scores, harmonization with secondary dominants, more complex progression, modulation, transportation, more difficult piano technique, accompaniments and literature. Lab fee,
Prerequisites: MUSP 250 with a grade of C or better; or consent of instructor.
Offered: Spring.

MUSP 253 | Jazz Piano | 1 cr
Students develop specific chord techniques on the piano that enhance the playing of their primary instruments, enable students to more fully understand the harmonies found in jazz repertoire, reinforce their knowledge of music theory, and provide teaching tools for future jazz educators. Lab fee.
Prerequisites: Music major or minor, MUSP 151 with C or better, consent of instructor.
Offered: Occasionally.

MUSP 271 | Instrumental Techniques and Pedagogy-Brass | 1 cr
Covers theory and practice of playing individual instruments. Includes examination of method books, solo literature, and ensemble repertoire.
Prerequisites: Concurrent enrollment in MUSA secondary applied 100 level, or consent of instructor.
Offered: Occasionally.

MUSP 273 | Instrumental Techniques and Pedagogy-Percussion | 1 cr
Covers theory and practice of playing individual instruments. Includes examination of method books, solo literature, and ensemble repertoire.
Prerequisites: Concurrent enrollment in MUSA secondary applied 100 level, or consent of instructor.
Offered: Occasionally.

MUSP 274 | Instrumental Techniques and Pedagogy-Strings | 1 cr
Covers theory and practice of playing individual instruments. Includes examination of method books, solo literature, and ensemble repertoire.
Prerequisites: Concurrent enrollment in MUSA secondary applied 100 level, or consent of instructor.
Offered: Occasionally.

MUSP 275 | Instrumental Techniques and Pedagogy-Woodwinds | 1 cr
Covers theory and practice of playing individual instruments. Includes examination of method books, solo literature, and ensemble repertoire. Lab fee.
Prerequisites: Concurrent enrollment in MUSA secondary applied 100 level, or consent of instructor.
Offered: Occasionally.

MUSP 276 | Instrumental Techniques and Pedagogy-Guitar | 1 cr
Covers theory and practice of playing individual instruments. Includes examination of method books, solo literature, and ensemble repertoire. . Lab fee.
Prerequisites: Concurrent enrollment in MUSA secondary applied 100 level, or consent of instructor.
Offered: Occasionally.

MUSP 277 | Vocal Techniques | 1 cr
Covers theory and practice of the elements of singing. Includes examination of method books, solo literature, and ensemble repertoire.
Prerequisites: Music major or minor; or consent of instructor.
Offered: Occasionally.

MUSP 323 | Jazz Improvisation II | 1 cr
Improvisation in a small group setting utilizing tunes based on II-V chord progressions with appropriate scale choices.
Prerequisites: MUSP 224.
Offered: Spring.

MUSP 324 | Jazz Improvisation III | 2 cr
Provides opportunity for improvisation in a small group setting using tunes with advanced II-V and chromatic progressions with faster tempos.
Prerequisites: MUSP 323.
Offered: Occasionally.

MUSP 336 | Aural Music Theory IV | 1 cr
Advanced sight singing and aural recognition of the elements of 19th- and 20th-century music, and coordination of gestural conducting elements. Lab fee.
Prerequisites: MUSI 221 and MUSP 236 with a grade of C or better; concurrent registration MUSI 321.
Offered: Spring.

MUSP 340 | Sound Production II | 3 cr
Explores advanced techniques of sound production including recording, engineering and production.
Prerequisites: MUSP 240; declared major in one of the following areas: music, art, theatre arts, communication or English.
Offered: Spring.

MUSP 342 | Conducting | 2 cr
The development of basic manual technique for conducting: beat patterns, expressive gestures, cueing, rehearsal techniques.
Prerequisites: MUSI 221.
Offered: Fall.

MUSP 345 | Instrumental Conducting and Arranging | 3 cr
Covers techniques of instrumental conducting and arranging, including baton technique, score reading and preparation, notational standards, and rehearsal techniques.
Prerequisites: MUSP 342.
Offered: Spring.

MUSP 346 | Choral Conducting and Arranging | 3 cr
Covers choral conducting techniques, including score study and preparation, refinement of oral technique, rehearsal techniques, and basics of choral arranging. Requires supervised and evaluated field experience.
Prerequisites: MUSP 342.
Offered: Spring.

MUSP 350 | Sound Design | 3 cr
Explores the practices and art of sound design across multiple industries and media, including music, theatre, film, podcasting, and others. Covers the design and implementation of sonic art as a way to reinforce narrative and storytelling.
Prerequisites: MUSP 240.
Offered: Fall.

MUSP 353 | Advanced Keyboard Accompanying and Chamber Music Performance | 1 cr
Provides opportunity for vocal and instrumental music for performance including the study of accompanying technique, balance, instrumental color, vocal texts, articulation, style and pedaling. May be repeated for credit.
Prerequisites: MUSP 153.
Offered: Occasionally.

MUSP 360 | Voices of Parkside | 1 cr
Provides opportunity for in-depth study, intensive preparation, and refined performance of a wide range of challenging art, folk and popular literature appropriate for chamber choral ensemble. Requires additional rehearsals, frequent performances, and tours. May be repeated for credit.
Prerequisites: Audition.
Offered: Fall, Spring.

MUSP 361 | Chamber Music: Brass Ensemble | 1 cr
Study and performance of literature for small ensembles. Open to all students. May repeat for credit.
Prerequisites: Audition.
Offered: Fall, Spring.

MUSP 362 | Chamber Music: Classical Guitar Ensemble | 1 cr
Study and performance of literature for small ensembles. Open to all students. May repeat for credit.
Prerequisites: Audition.
Offered: Fall, Spring.

MUSP 363 | Chamber Music: Woodwind Ensemble | 1 cr
Study and performance of literature for small ensembles. Open to all students. May repeat for credit.
Prerequisites: Audition.
Offered: Fall, Spring.

MUSP 364 | Chamber Music: Percussion Ensemble | 1 cr
Study and performance of literature for small ensembles. Open to all students. May repeat for credit.
Prerequisites: Audition.
Offered: Fall, Spring.

MUSP 365 | Chamber Music: String Ensemble | 1 cr
Study and performance of literature for small ensembles. Open to all students. May repeat for credit.
Prerequisites: Audition.
Offered: Fall, Spring.

MUSP 366 | Jazz Combo | 1 cr
Study and performance of appropriate literature for small jazz ensembles. Open to all students. May repeat for credit.
Prerequisites: Audition.
Offered: Fall, Spring.

MUSP 367 | Vocal Jazz Ensemble | 1 cr
Provides opportunity for study and performance of vocal jazz literature in a small ensemble. May be repeated for credit.
Prerequisites: Audition and concurrent enrollment in MUSP 102 (Chorale, Master Singers) or MUSP 360 (Voices of Parkside).
Offered: Occasionally.

MUSP 368 | Contemporary A Cappella Ensemble | 1 cr
Provides opportunity to perform contemporary commercial music. Requires students to arrange popular songs and demonstrate above average skills in singing various genres, sight-reading, harmonizing, as well as an understanding of diatonic harmonic analysis. Requires travel to off campus performances. May be repeated for credit. Course fee.
Prerequisites: Consent of instructor.
Offered: Fall, Spring.

MUSP 369 | Contemporary Commercial Music Ensmble | 1 cr
Provides opportunity to perform popular styles of music from the 20th and 21st Century. Requires travel for performances. May be repeated for credit.
Prerequisites: Consent of Instructor.
Offered: Occasionally.

MUSP 390 | Choral Special Project and Study | 1-5 cr
Engagement in special, one-time choral music projects, such as recordings, major literature preparations, choral education workshops, and domestic and/or international travel. Involves in-depth study, preparation, and participation. Additional fees may apply.
Prerequisites: Audition.
Offered: Occasionally.

MUSP 487 | Musical Theatre Workshop | 1-3 cr
Study, research, preparation and performance of scenes, songs, and dances from musical theatre. May be repeated for credit.
Prerequisites: Audition.
Offered: Occasionally.

MUSP 488 | Opera Theatre Workshop | 1-3 cr
Provides opportunity to perform opera/operetta roles/ensemble in scenes or a complete work, includes behind the scenes opportunities in stage management, stage direction, production crew, or costumes/make-up. May be repeated for credit. Requires field trips and fees.
Prerequisites: Audition.
Offered: Occasionally.

Music Major (BA)

Department website (https://www.uwp.edu/learn/programs/musicmajor.cfm)

College: College of Arts & Humanities

1. Communicate an understanding of the academic and musical skills necessary for success in the profession (knowledge-based, performance skill).\\n\\n
2. Perform and evaluate music using aesthetic skills as a soloist and ensemble member. (knowledge-based, performance skill).
3. Act as a socially responsible member of the profession through working effectively with others toward a common goal in university ensembles (affective behavior).

Requirements for the Music Major

An audition/interview and faculty approval is required for admission to the music major or minor. Auditions are held in February, March, May, and August. Prospective students who audition before March 31 are eligible for scholarship consideration. For detailed audition information and registration, visit the Music Department website at www.uwp.edu (http://www.uwp.edu).

Late entry into the music program will prolong the time required to complete the degree. Course sequences in music begin in the first semester of the freshmen year. Courses should be taken in the sequence outlined in the music website. Students who take fewer credits than the recommended course load prolong the time required for graduation. Music Department policies may be viewed or downloaded at www.uwp.edu (http://www.uwp.edu).

Re-entry Policy

Students are encouraged to complete degree requirements by continuous study. In the event of an enrollment gap of one year or more, a re-audition and transcript evaluation is required. In such cases, students may be required to repeat specific courses.

Transfer Students

Transfer students must audition for admission to the Music Department. Based on the audition, transcript evaluation and music faculty advising, transfer students will be placed at the appropriate level of applied music instruction, music theory and piano class. Students must complete at least 30 credits, including 15 credits of upper-level courses in the major, at UW- Parkside.

The Music Department core courses are a strong foundation for study in concentrations that prepare students for careers in music. Each music major student must complete the core courses and a concentration to earn the bachelor of arts degree with a major in music.

Piano music majors and minors must pass a keyboard proficiency examination. This examination may exempt them from the piano class requirement (MUSP 150 Class Piano I/MUSP 151 Class Piano II).

Code	Title	Credits
Required Core Courses		
MUSI 120	Music Theory I	2
MUSI 121	Music Theory II	2
MUSI 221	Music Theory III	2
MUSI 321	Music Theory IV	2
Select 1 course:		
MUSI 330	Music History I: 450-1750	3
or MUSI 331	Music History II: 1750-Present	
MUSP 1	Concert Attendance (6 semesters with a grade of "CR")	0
MUSP 102	Large Music Ensemble (8 semesters, 1 credit each) [2]	8
MUSP 135	Aural Music Theory I	1
MUSP 136	Aural Music Theory II	1
MUSP 150	Class Piano I	2
MUSP 151	Class Piano II	2
MUSP 236	Aural Music Theory III	1
MUSP 336	Aural Music Theory IV	1
MUSA	Applied Instrument/Performance Lab [1]	12
Required Core Courses Subtotal		*39*
Concentrations in Music		
Choose one concentration		18-52
Concentrations in Music Subtotal		18-52
Total Credits		**57-91**

[1] Completion of second semester of the 300 level (appropriate to the student's principal instrument) is required. Each course is 1 or 2 credits depending on level of study and major/minor status. For majors enrolled in 1-, 2- or 3-hundred levels, concurrent enrollment in the corresponding Performance Lab (MUSA 101 Performance Lab I, MUSA 201 Performance Lab II or MUSA 301 Performance Lab III) for 1 credit is required. Students in 400 level applied study are not required to attend Performance Lab. Concurrent registration in Large Ensemble appropriate to the student's principal instrument is required.

[2] Enrollment in the section of Large Ensemble appropriate to the student's principal instrument is required for majors. Each course is 1 credit per semester.

Music students may apply MUSI 104 Music Appreciation and 3 credits of MUSP 102 Large Music Ensemble towards General Education requirements.

Concentrations in Music

All music majors must complete a concentration and should choose one relevant to their career interests and intent.

Music Performance Concentration

Students who aspire to a career in professional performance should plan on pursuing advanced studies in a graduate school of music. The music performance concentration is designed to give students a thorough background appropriate for acceptance into a graduate program in applied music. A full faculty audition is required for acceptance into the

music performance concentration on completion of the applied music sophomore level.

Code	Title	Credits
Required Courses for all Instruments		
MUSA 300	Junior Recital	1
MUSA 400	Senior Recital	2
MUSA	Applied Music at the 400 level (two semesters, two credits each)	4
MUSI 331	Music History II: 1750-Present [1]	3
MUSP 224	Jazz Improvisation I	1
MUSP 240	Sound Production I	2
or MUSP 342	Conducting	
MUSP 250	Class Piano III For Music Educators	2
Required Courses for all Instruments Subtotal		*15*
Music Elective Courses outside Core		**2**
Select one option based on primary instrument:		**3**
For voice:		
MUSI 380	Diction	
For strings, winds, percussion select 3 semesters of following:		
MUSP 361	Chamber Music: Brass Ensemble	
MUSP 362	Chamber Music: Classical Guitar Ensemble	
MUSP 363	Chamber Music: Woodwind Ensemble	
MUSP 364	Chamber Music: Percussion Ensemble	
MUSP 365	Chamber Music: String Ensemble	
For piano, 3 semesters:		
MUSP 353	Advanced Keyboard Accompanying and Chamber Music Performance	
Total Credits		**20**

[1] Students with this concentration must use MUSI 330 in Core since MUSI 331 is required here.

Students are required to submit an application for recital approval in the semester preceding their junior and senior recitals.

Jazz Studies and Performance Concentration

This program supplements the music major with additional study and experience in jazz improvisation, jazz performance styles, and academic study of jazz history and jazz theory. Students who aspire to a career in professional jazz performance should plan on pursuing advanced studies in a graduate school of music. The jazz studies concentration is designed to give students a thorough background appropriate for acceptance into a graduate program in applied music. Additional ensemble requirements are expected for jazz concentration students, please refer to the large ensemble section of the catalog. A full faculty audition is required for acceptance into this jazz focused performance concentration on completion of the applied music sophomore level.

Code	Title	Credits
Required Courses		
MUSA 300	Junior Recital	1
MUSA 400	Senior Recital	2
MUSA	Applied Music at the 400 level (2 semesters, 2 credits each)	4
MUSI 346	Jazz History	3
Large Music Ensemble (Jazz Ensemble section) 4 semesters		4
MUSP 102	Large Music Ensemble	
MUSP 224	Jazz Improvisation I	1
MUSP 323	Jazz Improvisation II	1
Jazz Combo 3 semesters		3
MUSP 366	Jazz Combo	
Required courses total		*19*
Music Electives outside Core		**4**
Total Credits		**23**

Contemporary Commercial Music Concentration

For students focusing on contemporary approaches to music, this concentration provides training and experiences in various genres including but not limited to jazz, pop, rock, musical theatre, and more. The concentration includes flexible pathways for students who wish to focus on performance, composition, and/or sound design and production. Students have the opportunity to showcase their talents through recitals, contemporary commercial music-focused ensembles, and capstone projects. Potential careers of this concentration include studio musicians, music producers, media composers, theatre and/or video sound design, voiceover singers, singer/songwriters, and sound production. A full faculty audition is required for acceptance into this contemporary commercial music concentration on completion of the applied music sophomore level.

Code	Title	Credits
Required Courses		
MUSP 224	Jazz Improvisation I	1
MUSP 240	Sound Production I	2
300-level Music History Course (outside Core)		*3*
Select one of the following:		
MUSI 330	Music History I: 450-1750 [1]	
or MUSI 331	Music History II: 1750-Present	
MUSI 332	World Music	
MUSI 340	American Popular Music	
MUSI 346	Jazz History	
Select ensemble courses (2 semesters):		*2*
MUSP 366	Jazz Combo	
MUSP 368	Contemporary A Cappella Ensemble	
MUSP 369	Contemporary Commercial Music Ensmble	
Contemporary Capstone Performances		*3*
Select from:		
MUSA 300	Junior Recital	
MUSA 400	Senior Recital	
MUSP 300		
Required courses total		*11*
Elective Courses		**12**
For students focusing on performance, take 4 semesters of an ensemble listed below and 2 semesters of applied lessons.		
For students focusing on composition and sound design, take at least 12 credits of composition and sound design electives.		
Select from:		
Applied Music (MUSA) at the 400-level (2 semesters, 2 credits each)		
Ensembles		
MUSP 366	Jazz Combo	

MUSP 368	Contemporary A Cappella Ensemble	
MUSP 369	Contemporary Commercial Music Ensmble	
Composition and Sound Design Electives		
MUSI 490	Special Topics in Music [2]	
MUSP 340	Sound Production II	
MUSI 499	Independent Study	
Total Credits		**23**

[1] Can choose whichever course was not used in Core.
[2] MUSI 490 Special Topics include: Songwriting (2cr), Mixing Techniques (3cr), Digital Orchestration (3cr), Sound Design (3cr)

Music Education Concentration

The UW-Parkside music education curriculum is approved for DPI licensure. An audition/interview is required for admission to the music education concentration. The educator development program (EDU) requires an admission process. Please contact the music education faculty for information regarding music teacher licensure.

In addition to the music core requirements, the following courses are required.

Code	Title	Credits
Required Music Courses		
MUSE 300	Music Teaching and Learning	3
MUSE 302	General Music Methods I: Elementary	3
MUSE 304	General Music Methods II: Secondary	3
MUSI 332	World Music	3
MUSP 240	Sound Production I	2
MUSP 250	Class Piano III For Music Educators	2
MUSP 342	Conducting	2
MUSP 345	Instrumental Conducting and Arranging	3
or MUSP 346	Choral Conducting and Arranging	
Required Music Courses Subtotal		*21*
Methods Courses		
Select one combination:		
MUSE 411 & MUSE 413	Methods of Elementary and Middle School Choral Music and Methods of Teaching Secondary Choral Music	
MUSE 414 & MUSE 416	Methods of Elementary and Middle School Instrumental Music and Methods of Teaching Secondary Instrumental Music	
Methods Courses Subtotal		*6*
Instrumental Techniques Courses		
Choose in consultation with Music Education faculty.		
Select from:		
MUSP 251	Class Piano IV For Choral Education	
MUSP 271	Instrumental Techniques and Pedagogy-Brass	
MUSP 273	Instrumental Techniques and Pedagogy-Percussion	
MUSP 274	Instrumental Techniques and Pedagogy-Strings	
MUSP 275	Instrumental Techniques and Pedagogy-Woodwinds	
MUSP 276	Instrumental Techniques and Pedagogy-Guitar	
MUSP 277	Vocal Techniques	
Instrumental Techniques Courses Subtotal		*4*
Required EDU Courses		
EDU 300	Creating Effective Learning Environments	1
EDU 310	Family, School, and Community Partnerships	1
EDU 322	Teaching Exceptional Learners	3
EDU 420	Residency Seminar	2
EDU 425	Residency (Student Teaching)	10
EDU 430	Using Action Research to Improve Instruction	2
EDU 440	Teacher Preparation Portfolio Design	2
Required EDU Courses Subtotal		*21*
Total Credits		**52**

Liberal Arts Concentration

This concentration provides students with a breadth of knowledge in liberal studies and may lead to graduate level studies in music history or ethnomusicology with the help and advice of a music faculty advisor. This option is based in flexibility of study. Help from an advisor is required to navigate course pre-requisites needed to gain access to upper division credits in the various departments.

Code	Title	Credits
300-level Music History Course (outside Core)		
Select 1 course:		3
MUSI 330	Music History I: 450-1750 [1]	
or MUSI 331	Music History II: 1750-Present	
MUSI 332	World Music	
MUSI 340	American Popular Music	
MUSI 346	Jazz History	
Upper Division Elective Courses outside Music Core (any department)		**12**
Required Music Capstone		
MUSI 489	Music Senior Seminar [2]	3
Total Credits		**18**

[1] Can choose whichever course was not used in Core.
[2] Or senior capstone course in other department.

Applied Music Requirement

Private Instruction in music performance is available to music majors and minors under the prefix MUSA, for applied music. Concurrent registration in an academic course in music and appropriate large ensemble are required. (See Large Ensemble Requirement section for further information).

Instruction is offered in piano, organ, trumpet, horn, trombone, baritone, tuba, violin, viola, cello, string bass, classical guitar, harp, harpsichord, flute, oboe, clarinet, saxophone, bassoon, voice, and percussion. Consult the Music Department Chair for details. Course numbers indicate the level of study. Freshman, sophomore, and junior levels are 1-credit courses that require concurrent enrollment in the correlating Performance Lab (MUSA 101 Performance Lab I, MUSA 201 Performance Lab II or MUSA 301 Performance Lab III), which is also 1 credit. Senior levels are 2-credit courses and do not require concurrent enrollment in Performance Lab. The applied levels are indicated by an initial number of 1, 2, 3, or 4. Music minor students and music majors who study a secondary instrument enroll in the first semester of 100 level for 1 credit only.

Successful completion of a full faculty jury is required for enrollment at the 300-level. Students must demonstrate a breadth of musical styles and genres at the full faculty jury as well as the musicality and technical mastery of their instrument that are, in the judgment of the faculty, appropriate for admission to upper division applied study. To be granted access to a full faculty jury, the student must complete or be in the process of completing MUSI 121 Music Theory II and MUSP 136 Aural Music Theory II with a grade of C or better. No student may take the full faculty jury more than twice. Students who do not pass full faculty jury in their second attempt will be dropped from the music major.

Completion of the second semester 300 applied level is required for graduation in the music major.

Large Ensemble Requirement

While all students are encouraged to play and/or sing in departmental large ensembles, the department requires all applied music students (full-time and part-time) to participate in an ensemble. Large ensemble graduation requirement is 8 credits for all music majors. Only the following ensembles are considered to be large ensembles:

Chorale (MUSP 102 Large Music Ensemble section 001)

Wind Ensemble (MUSP 102 Large Music Ensemble section 002)

Parkside Symphony (MUSP 102 Large Music Ensemble section 003)

Voice as primary instrument - enrollment in Chorale is required in every semester of full-time enrollment.

Orchestral String as primary instrument - enrollment in Parkside Symphony is required in every semester of full-time enrollment.

Band Instrument as primary instrument - enrollment in Wind Ensemble is required in every semester of full-time enrollment.

Classical Guitar as primary instrument - any of the three required large ensembles (Chorale, Wind Ensemble or Parkside Symphony) in consultation with their music advisor. Classical guitar majors may substitute 4 credits of their large ensemble requirement for 4 credits of guitar ensemble.

Keyboard as primary instrument - any of the three required large ensembles (Chorale, Wind Ensemble or Parkside Symphony) in consultation with their music advisor. Keyboard majors may substitute 4 credits of their large ensemble requirement for 4 credits of piano accompanying.

Jazz studies concentration students are expected to be enrolled in jazz ensemble and in 4 semesters of jazz combo (MUSP 366 Jazz Combo) in addition to their large ensemble requirement.

Contemporary Commercial Music – Voice Emphasis concentration students may substitute up to 2 credits of Large Ensemble with enrollment in any of the courses below during their year of 400-level applied study: MUSP 368 Contemporary A Cappella Ensemble –**or**- MUSP 369 Contemporary Commercial Music Ensmble.

General University Degree Requirements (Bachelor's Degree)

In addition to individual program requirements, students must also fulfill the following requirements:

Requirement	Credits
Skills	7-8
General Education	36
Foreign Language**	6-8
Ethnic Diversity	3
Total	52-55

** Transfer students in sustainable management, and health information management and technology collaborative, online degree-completion programs, the business management online degree-completion program, and the flexible option degree-completion program will be exempt from the university's foreign language requirement. See appropriate academic section for further information.

Skills Requirement (p. 13)

Code	Title	Credits
Reading and Writing		
ENGL 101	Composition and Reading	3
Computational Skills		
Select one of the following:		4-5
MATH 102	Quantitative Reasoning	
MATH 103	Elementary Statistics	
MATH 104	College Mathematics with Applications	
MATH 111	College Algebra I	
Total Credits		**7-8**

General Education (p. 13)

- General Education Course List (p. 157)

Foreign Language (p. 13)

Ethnic Diversity (p. 13)

Degree Requirements

Requirement	Credits
Minimum Total Credits	120
Upper Level Credits (300 level or above)	36
Residency	30

Cumulative Degree GPA: 2.0 minimum

Music Minor

Department website (https://www.uwp.edu/learn/programs/musicminor.cfm)

College: College of Arts & Humanities

The objective of the music minor is to provide students from any area of study with the opportunity to be introduced to the field of music through theoretical, historical and performance experiences.

Requirements for the Music Minor

An audition is required for acceptance in the minor.

Code	Title	Credits
Required Music Courses		
MUSP 1	Concert Attendance (2 semesters with a grade of "CR")	0
MUSP 102	Large Music Ensemble (2 semesters, 1 credit each)	2
MUSI 104	Music Appreciation	3
MUSI 120	Music Theory I	2
MUSI 121	Music Theory II	2
MUSP 135	Aural Music Theory I	1
MUSP 136	Aural Music Theory II	1
MUSP 150	Class Piano I	2
MUSP 151	Class Piano II	2
MUSA	Major Applied Instrument 100 Level (2 semesters, 1 credit each)	2
Elective Course		
Select one of the following:		3
MUSI 330	Music History I: 450-1750	
MUSI 331	Music History II: 1750-Present	
MUSI 332	World Music	
Total Credits		**20**

Music minors may continue applied music study beyond minimum requirements if concurrently enrolled in the appropriate large ensemble.

University Requirements for Minors

Course work in the minor must be completed with the minimum GPA as specified by the department or program under which the minor falls, usually a 2.00 on a 4.00 scale, but higher in some programs. Transfer students must attain the minimum specified GPA on a combination of transfer credits accepted toward the minor and credits attempted at UW-Parkside.

At least half of the course work required for a minor must be completed at UW-Parkside.

Politics, Philosophy, and Law

Department website (https://www.uwp.edu/learn/departments/politicalscienceandlaw/)

College: College of Social Sciences & Professional Studies

Student Organizations/Clubs:

Mock Trial, Prelaw Society; Parkside Philosophical Society, Phi Sigma Tau

Career Possibilities:

For information about graduate school, law school or careers in political science and philosophy, visit the department's website (https://www.uwp.edu/learn/departments/politicalscienceandlaw/).

Department Overview

The combination of philosophy, political science, and law offers a unique opportunity to Parkside students. While philosophy is the investigation of reality, knowledge, and values essential to understanding the place of human beings in the world, political science studies the institutions and behaviors which underlie human's attempt to live in the world together. The Department offers a philosophy major in traditional areas of philosophical inquiry. The Department also offers a traditional major in Political Science and a major in Political Science with a concentration in law. The Department's minors and certificate programs provide various avenues of specialization. Finally, the Department's guaranteed completion program offers students a pathway for completing both the Philosophy major and the major in Political Science with a concentration in law in four years.

Program Level Outcomes for Political Science

1. We seek to help our students attain a practical and theoretical knowledge of politics and the law, assisting them to become conversant in a broad-range of concepts in the areas of political theory, international politics, comparative politics, American government, and the law.
2. We seek to help our students to become critical thinkers; thinkers that are able to question the assumptions that underwrite claims or positions and make reasoned determinations about the truth and strength of various arguments.
3. We seek to help our students to become independent researchers, capable of identifying and articulating hypotheses, seeking information and inputs relevant to the topic, evaluating the credibility of sources and information, applying the appropriate methods and tools for testing or exploring a hypothesis, and drawing proper conclusions based on their findings.
4. We seek to help our students become global citizens in the sense that they have civically-oriented consciousness, a respect for diversity, pluralism and inclusiveness, and a moral and ethical sense of responsibility and moral disposition regarding their place in local, state, national, and international communities.

Program Level Outcomes for Philosophy

1. Knowledge and Understanding: Majors will gain a familiarity with several important philosophical ideas and philosophers.
2. Skills: majors will learn to think logically and creatively, to critically analyze key texts and arguments and to effectively communicate their ideas.
3. Values: majors will engage in fair and reasoned discourse.

Philosophy Honors

To be eligible for a B.A. with honors in Philosophy, a philosophy major must attain a GPA of 3.5 or better in all philosophy courses taken. In addition, an overall GPA of 3.00 must be attained.

Programs Offered

- Philosophy Major (BA) (p. 286)
- Political Science Major (BA) (p. 287)
- Legal Studies Minor (p. 290)
- Philosophy Minor (p. 290)
- Philosophy of Natural Science Minor (p. 291)
- Political Science Minor (p. 291)
- Public Policy Studies Minor (p. 291)
- World Politics Minor (p. 292)
- Campaigns Certificate (p. 292)
- Ethics Certificate (p. 292)

- Governmental Affairs Certificate (p. 293)
- History of Western Ideas Certificate (p. 293)

Political Science Major Concentration

- Law

Courses in Political Science

POLS 100 | American Politics | 3 cr
Examines institutions, processes and dynamics of the American governmental system emphasizing problems of policy making in a pluralistic democratic system.
Prerequisites: None.
Offered: Fall, Spring, Summer.
Meets: Social & Behavioral Science: POLS, Social & Behavioral Science: POLS, Social & Behavioral Science: POLS, Social & Behavioral Science: POLS, Social & Behavioral Science: POLS

POLS 103 | Introduction to Comparative Politics | 3 cr
Explores questions such as the role of the state, electoral systems and issues such the separation of Church and State, terrorism, war and security, human rights and nationalism through qualitative and quantitative analysis. Examines why some developed democracies have extensive welfare states.
Prerequisites: None.
Offered: Fall, Spring, Summer.
Meets: Social & Behavioral Science: POLS, Social & Behavioral Science: POLS, Social & Behavioral Science: POLS, Social & Behavioral Science: POLS, Social & Behavioral Science: POLS

POLS 104 | Introduction to International Relations | 3 cr
Conceptual and theoretical tools for interpreting world politics and navigation the international system. Basic foreign policy analysis, key actors in the international system and a special focus on the United Nations. European Union, International Monetary Fund, and World Bank.
Prerequisites: None.
Offered: Fall.
Meets: Social & Behavioral Science: POLS, Social & Behavioral Science: POLS, Social & Behavioral Science: POLS, Social & Behavioral Science: POLS, Social & Behavioral Science: POLS

POLS 105 | Introduction to Politics | 3 cr
Provides a general introductions to politics, including basic concepts such as power, authority, legitimacy, types of political systems, approaches to the study of politics, and challenges common to all political systems.
Prerequisites: None.
Offered: Fall, Spring.
Meets: Social & Behavioral Science: POLS, Social & Behavioral Science: POLS, Social & Behavioral Science: POLS, Social & Behavioral Science: POLS, Social & Behavioral Science: POLS

POLS 116 | Introduction to Law | 3 cr
Utilizing the case approach, students will analyze the structure of the legal system and the process of judicial decision making. Students will also be introduced to substantive areas of common law.
Prerequisites: None.
Offered: Yearly.
Meets: Social & Behavioral Science: POLS, Social & Behavioral Science: POLS, Social & Behavioral Science: POLS, Social & Behavioral Science: POLS, Social & Behavioral Science: POLS

POLS 130 | State and Local Politics | 3 cr
Comparative analysis of state and local governments in the United States, and their relationships with the federal government. Focus on organization, structure, function, and administration of state and local government, addressing issues such as education, criminal justice, economic development and social services. It also examines the various roles of political leaders and interest groups at the state and local levels with a special emphasis on Wisconsin politics and government. Recommended for Teacher Education students.
Prerequisites: None.
Offered: Fall.

POLS 200 | Research Methods and Sources | 4 cr
Covers methods, philosophy and sources of political science research.
Prerequisites: None.
Offered: Yearly.

POLS 202 | Public Policy | 3 cr
Explores the processes, problems, methods and issues involved in the formulation of public policies. Emphasizes policy formation at the national, state and local levels. Employs case studies.
Prerequisites: POLS 100.
Offered: Yearly.

POLS 203 | Women, Power and Politics | 3 cr
Examines the environmental, systematic and political variables that define the existing and potential political position of women in a variety of international cultures. Cross-listed with: WGSS 203.
Prerequisites: None.
Offered: Occasionally.

POLS 206 | Applied Statistics Research | 3 cr

POLS 207 | Classical Political Philosophy | 3 cr
The works of the classical Greek political philosophers, Thucydides, Plato and Aristotle. Cross-listed with: PHIL 207.
Prerequisites: One of the following: POLS 105, PHIL 101, HIST 118.
Offered: Occasionally.

POLS 214 | Executive and Legislative Politics | 3 cr
Examines two of the three branches of government; investigates them in isolation and look at their origins, their structural evolution, and the sources of their power. Explores how their interaction results in policy making at the federal level.
Prerequisites: POLS 100.
Offered: Occasionally.

POLS 217 | Tactical Decision Making | 3 cr
Examines tactical decision making from both a rational and cognitive-bureaucratic perspective. Multi-career cross-listing: MAPS 517.
Prerequisites: None.
Offered: Fall (even years).

POLS 224 | American Foreign Policy | 3 cr
Formulation and implementation of foreign policy in the United States. Relationship of American foreign policy to its domestic foundations and to the larger international system.
Prerequisites: One POLS course or junior standing.
Offered: Occasionally.

POLS 231 | State and Local Government and Politics | 3 cr
Provides an overview of state and local political institutions, including state constitutions, structural organization, relationships between legislative, executive, and judicial branches, and intergovernmental relations at state and local levels. Delves into contentious public policy areas such as safety and environmental regulations, unionization, and economic development planning.
Prerequisites: POLS 100 or consent of instructor.
Offered: Occasionally.

POLS 290 | Special Topics in Political Science | 1-3 cr
Selected topics in political science. May be repeated for credit with a different topic.
Prerequisites: Varies by topic.
Offered: Occasionally.

POLS 302 | Environmental Policy | 3 cr
Surveys the political and social aspects of environmental policy making and how different political decision-making structures respond to various environmental issues. Community-based learning designation.
Prerequisites: POLS 202.
Offered: Occasionally.
Meets: Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning

POLS 303 | Science Fiction and Politics | 3 cr
Exploration of current political and social issues using works of science fiction. Topics include individualism, collectivism, democracy, gender issues and biopolitics. Various dystopic political futures will be discussed.
Prerequisites: POLS 104 or POLS 105.
Offered: Summer.

POLS 304 | Theories of International Relations | 3 cr
Contemporary theories of international relations with selected applications to current issues or relationships in international politics. Emphasis on critical theories in the evaluation and comparison of various theoretical approaches. Cross-listed with: PHIL 304.
Prerequisites: POLS 104 and POLS 200.
Offered: Spring.

POLS 306 | Modern Political Philosophy | 3 cr
Exploration of the origins of liberalism, conservatism, and socialism. Readings may include Machiavelli, Hobbes, Locke, Rousseau, Mill, Hegel, Marx, and Nietzsche. Cross-listed with: PHIL 306.
Prerequisites: One of the following: POLS 105, PHIL 101, HIST 119, HIST 120.

POLS 307 | Contemporary Political Thought | 3 cr
Examines contemporary philosophical works including themes of the meaning of equality, liberty, autonomy, gender, race and community in contemporary society. Cross-listed with: PHIL 307.
Prerequisites: One political science or philosophy course.
Offered: Occasionally.

POLS 310 | Constitutional Law: Civil Liberties | 3 cr
Examines U.S. Supreme Court cases concerned with the protection of civil liberties. Topics may include race and equality; sex, marriage, and reproduction; free speech; freedom of religion.
Prerequisites: POLS 100 or POLS 116, or junior standing or consent of instructor.
Offered: Yearly.

POLS 312 | Introduction to Global Warming Policy and Governance | 3 cr
Examines and evaluates greenhouse gas mitigation and adaption policies which are being implemented by a variety of national and sub-national governments. Multi-career cross-listing: MAPS 512.
Prerequisites: POLS 100 or equivalent.
Offered: Occasionally.

POLS 313 | Politics of Professional Sports | 3 cr
An examination of the interrelationships between local and state politics and the professional sports teams located in those communities. Topics to be covered include: team location and relocation, public subsidy of stadium construction, economic development impacts, and what it means to be a "big league" city.
Prerequisites: SPMT 100; POLS 100 recommended.

POLS 316 | Diversity Law: African Americans | 3 cr
Analyzes the relationship of African Americans to the United States Constitution, and includes such topics as slavery, the Fugitive Slave Acts, the Civil War Amendments, segregation, the civil rights movement, voting rights, affirmative action, and housing laws. Cross-listed with: ETHN 316.
Prerequisites: POLS 100 or Ethnic Studies minor, POLS 216 recommended.
Offered: Occasionally.
Meets: Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity

POLS 317 | Strategic Decision Making | 3 cr
Examines decision making from both a rational and cognitive-bureaucratic perspective. Investigates the universal applications of theoretical strategic thinking, integrates tactical and strategic decision making, and applies creative and critical thinking in strategic formulation and implementation. Explores case studies of military, political, and corporate strategies.
Prerequisites: None.
Offered: Spring.

POLS 318 | Legislative Politics | 3 cr
Introduces to the politics of the U.S. Congress. Examines the workings of the U.S. Congress focusing on congressional elections; goals and strategies of congressional members; parties and leaders; rules of the legislative game; committees; floor and voting; inter-branch politics; and scientific research on congressional politics. ONLINE instruction; additional online class fee.
Prerequisites: POLS 100.
Offered: Spring (even years).

POLS 320 | Constitutional Law: The Structure and Power of U.S. Government | 3 cr
Examines the structure of government established by the Constitution. Includes the relations between the states and the federal government, the power of Congress to regulate the economy, and the power of the President to conduct war.
Prerequisites: POLS 100 or POLS 116, or junior standing or consent of instructor.
Offered: Yearly.

POLS 321 | Politics, Law, and Society | 3 cr
Examines how law and politics interact with personal and social identity, including race, gender, and class. Cross-listed with: PHIL 321.
Prerequisites: None.
Offered: Occasionally.

POLS 330 | European Politics | 3 cr
Examines political culture, political institutions, and public choices of European democratic states. Focuses on the history, institutions, and policies of the European Union.
Prerequisites: POLS 103 or POLS 104.
Offered: Occasionally.

POLS 331 | The Politics of Developing Nations | 3 cr
Examines problems of developing political institutions as they cope with and generate processes of social change, economic development and cultural independence.
Prerequisites: POLS 103 or POLS 104.
Offered: Occasionally.

POLS 332 | Socialist Thought and Practice | 3 cr
Explores the thought of Marx and his later interpreters, such as Lenin and Bernstein. Discussion of the ideological foundations of and political dynamics of socialist systems. May include discussion of other socialist thinkers.
Prerequisites: POLS 103, POLS 104, or POLS 105 or consent of instructor.
Offered: Occasionally.

POLS 334 | Resistance | 3 cr
Examines the concept and genealogy of modernity as understood by Foucault and Adorno; extends the Foucauldian understanding of Power and Resistance within modern and post-modern contexts by examining the works of Deleuze, Hardt and Negri, and others.
Prerequisites: Junior or instructor consent.
Offered: Spring.

POLS 335 | Popular Music, Human Rights and Democratization | 3 cr
Explores the politics of sounds and songs and the role of popular music in opening up democratic spaces for a viable and vibrant democracy. Examines the theories and practices of human rights and democratization within the nexus of interactions between popular music and social movements. Topics include the Civil Rights Movement, Tropicalismo in Brazil, Nueva Canción in Latin America and Arab Spring music.
Prerequisites: One course in political science.
Offered: Yearly.

POLS 338 | Fascism, Nazism, and the Contemporary Radical Right | 3 cr
Examines the historical trajectories of the Fascist and Nazi ideologies and compares and contrasts these ideologies with the contemporary radical right movements in Western nations.
Prerequisites: None.
Offered: Fall (even years).

POLS 340 | The Latin American Left | 3 cr
Focuses on the Latin American Left-the environment that spawned it, its historical role in changing Latin American politics, and its role in the present and future political and economic development of the region.
Prerequisites: POLS 104.
Offered: Occasionally.

POLS 341 | International Conflict and Cooperation | 3 cr
Cooperation and competition in the anarchic environmental of international politics. Selected models of world order investigating integration and fragmentation of nation-states, development and maintenance of international regime structures, and the influence of international/reg'l organizations.
Prerequisites: POLS 104 and one 200-level World Politics course.

POLS 344 | African Politics | 3 cr
Investigates African politics and society, stressing the transboundary linkages that exist in the local, national, and global level. Includes common challenges to African countries, such as colonial history, debt, resource development, and violent conflict. Examines political, economic and cultural strengths of African countries.
Prerequisites: Sophomore standing.
Offered: Yearly.

POLS 346 | Indigenous Communities and Politics | 3 cr
Combines knowledge of indigenous politics and philosophy with specific regional discussions of indigenous movements and will typically focus on a specific indigenous movement or group. May include a study tour with additional fees required. May repeat with different topic.
Prerequisites: Sophomore standing or consent of instructor.
Offered: Occasionally.

POLS 349 | Global Ethics | 3 cr
Examines current global issues, conditions, and choices in terms of the ethical questions they present. Topics vary. May repeat with different topic.
Prerequisites: Sophomore standing.
Offered: Occasionally.

POLS 355 | Urban Politics | 3 cr
City and metropolitan politics in the United States; definition and description of the "urban crisis". Material from political science and allied disciplines included.
Prerequisites: POLS 100 or consent of instructor.

POLS 356 | Political Sociology | 3 cr
Examines the relationship between politics and the larger social structure, such as structure of power in the United States and the economy; political consciousness and the debate on the changing nature of industrial societies. Cross-listed with: SOCA 356.
Prerequisites: SOCA 101.
Offered: Occasionally.

POLS 360 | Political Parties and Interest Groups | 3 cr
Examines political party development in the United States; structure, functions, and behavior of parties and pressure groups; responsiveness to the electorate and public opinion; and some theories on the role of parties and interest groups in a democracy. Comparative material included.
Prerequisites: POLS 100.
Offered: Occasionally.

POLS 367 | Latinos(as) and the Law | 3 cr
Introduces and examines experiences Latinos(as) encounter with and within the U.S. criminal justice system, as well as related international and transnational issues. Uses a range of theoretical frameworks, including socio-ecological, political and psychological. Cross-listed with: LBST 367/POLS 367.
Prerequisites: CRMJ 101 or POLS 100; or consent of instructor.
Offered: Occasionally.
Meets: Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity

POLS 375 | Elections and Political Participation | 3 cr
Introduces students to some of the major topics of debate and research in political science with regard to voter behavior and political participation in U.S. politics, with a heavy emphasis on federal elections.
Prerequisites: None.
Offered: Occasionally.

POLS 390 | Special Topics in Political Science | 3 cr
Selected topics in political science will be examined. May repeat for credit with different topic.
Prerequisites: None.
Offered: Occasionally.

POLS 395 | Voting Behavior and Political Participation | 3 cr
Examination and criticism of several competing explanations of voting behavior and political participation in the United States. The dynamics of citizen involvement in the political process will be featured.
Prerequisites: POLS 100 and POLS 200 (or concurrent registration in 200).
Offered: Occasionally.

POLS 403 | Women, Power and Politics | 3 cr
Examines the environmental, systematic, and political variables that define the existing and potential political position of women in the United States. Requires a research paper.
Prerequisites: None.
Offered: Fall.

POLS 415 | International Law | 3 cr
Examines international legal relationships among actors in world politics. Investigates the legal framework of public international law.
Prerequisites: POLS 104 or consent of instructor.
Offered: Fall.

POLS 416 | The International Criminal Court | 3 cr
Provides a historical and political overview of the development of the international criminal court in the context of international law. Genocide, crimes against humanity, war crimes, and aggression will be investigated. Highlights specific cases.
Prerequisites: Junior standing.
Offered: Occasionally.

POLS 445 | Senior Seminar in Political Science | 3 cr
A capstone research experience for majors in their last year. Also serves to assess mastery of the discipline of political science. Required of all political science majors who are not concentrating in legal studies.
Prerequisites: Senior standing.
Offered: Occasionally.

POLS 490 | Special Topics in Political Science | 1-3 cr
Studies selected topics in political science at an advanced level.
Prerequisites: POLS 100 or consent of instructor and section prerequisites.
Offered: Occasionally.

POLS 494 | Internship in Political Science | 1-12 cr
Provides opportunities to serve as intern in state, regional, county or local government offices or in the offices of elected officials.
Prerequisites: POLS 104, POLS 200; senior standing; consent of instructor and department chair.
Offered: Fall, Spring, Summer.

POLS 499 | Independent Study | 1-6 cr
Provides individual instructions on topics related to political science. Maximum of 6 credits may be applied toward the major.
Prerequisites: Consent of instructor and department chair.
Offered: Fall, Spring, Summer.

Courses in Philosophy

PHIL 101 | Introduction to Philosophy | 3 cr
Introduces philosophical method and typical philosophical issues, such as the existence of God, life after death, freewill, the nature and sources of knowledge and the nature of justice.
Prerequisites: None.
Offered: Fall, Spring, Summer.
Meets: Humanities and the Arts: PHIL, Humanities and the Arts: PHIL, Humanities and the Arts: PHIL, Humanities and the Arts: PHIL, Humanities and the Arts: PHIL

PHIL 102 | Great Thinkers | 3 cr
A survey of the history of philosophical thought in the West from its beginnings to the 20th century, emphasizing its social and political context and its relations to the sciences.
Prerequisites: None.
Offered: Fall.
Meets: Humanities and the Arts: PHIL, Humanities and the Arts: PHIL, Humanities and the Arts: PHIL, Humanities and the Arts: PHIL, Humanities and the Arts: PHIL

PHIL 200 | Topics in the History of Philosophy: | 3 cr
Examination in depth of a selected figure, movement, or issue in the history of philosophy. Original sources in translation are studied. May repeat for credit.
Prerequisites: None.
Offered: Occasionally.

PHIL 201 | Logic | 3 cr
Emphasis on basic skills of critical thinking, in particular the construction and analysis of arguments in everyday life. Formal and informal arguments are investigated.
Prerequisites: None.
Offered: Yearly.

PHIL 203 | Truth, Knowledge and Belief | 3 cr
Covers epistemological topics such as experience and perception, innate knowledge, skepticism and rational belief, and the nature of truth. May repeat once for credit with different topic.
Prerequisites: None.
Offered: Fall (even years).

PHIL 204 | Reason and Reality | 3 cr
Explores metaphysical issues such as free will, cosmology, the nature of reality, space and time, causality, particulars and universals, and humanity's place and meaning in the universe. May be repeated once for credit with different topic.
Prerequisites: None.
Offered: Spring (odd years).

PHIL 205 | Philosophy of Religion | 3 cr
Introduces major philosophical issues in religion, including the existence of God, the supernatural, the problem of evil, life's meaning, faith, reason, religious belief, science and morality and the nature of religious commitment.
Prerequisites: None.
Offered: Fall, Spring, Summer.
Meets: Humanities and the Arts: PHIL, Humanities and the Arts: PHIL, Humanities and the Arts: PHIL, Humanities and the Arts: PHIL, Humanities and the Arts: PHIL

PHIL 206 | Introduction to Ethics | 3 cr
Examines the nature of ethics and its relationship to law and religion. Discusses and appraises typical meta-ethical challenges to the possibility of ethics, such as relativism, subjectivism, positivism, naturalism, and egoism. Examines the most important normative ethical systems: virtue ethics, deontology, and utilitarianism, with particular emphasis on the work of Aristotle, Mill and Kant.
Prerequisites: None.
Offered: Fall, Spring.
Meets: Humanities and the Arts: PHIL, Humanities and the Arts: PHIL, Humanities and the Arts: PHIL, Humanities and the Arts: PHIL, Humanities and the Arts: PHIL

PHIL 207 | Classical Political Philosophy | 3 cr
The works of the classical Greek political philosophers, Thucydides, Plato and Aristotle. Cross-listed with: POLS 207.
Prerequisites: One of the following: POLS 105, PHIL 101, HIST 118.
Offered: Occasionally.

PHIL 212 | Philosophy of Science | 3 cr
Explores topics as the nature of scientific methods and theories; explanation, prediction, confirmation, and reduction; the relations among the sciences, culture, and values; and science versus pseudoscience. May be repeated once for credit with different topic.
Prerequisites: None.
Offered: Occasionally.

PHIL 213 | Aesthetics | 3 cr
Objectivity and criteria of art criticism, the nature of aesthetic experience, and nature of art. May be repeated once under different topics by consent of department chair.
Prerequisites: None.
Offered: Occasionally.

PHIL 215 | Contemporary Moral Problems | 3 cr
Discussion of contemporary moral problems and related theoretical issues, focusing on such issues as sexual morality, punishment, abortion, racism, sexism, warfare and civil disobedience. Community-based learning designation.
Prerequisites: None.
Offered: Yearly.
Meets: Humanities and the Arts: PHIL, Community Based Learning, Humanities and the Arts: PHIL, Community Based Learning, Humanities and the Arts: PHIL, Community Based Learning, Humanities and the Arts: PHIL, Community Based Learning, Humanities and the Arts: PHIL, Community Based Learning

PHIL 255 | Topics in Continental Thought | 3 cr
Introduces some major thinkers and movements of contemporary Continental philosophy, including the work of Friedrich Nietzsche, Martin Heidegger, Michel Foucault and Jacques Derrida. Examines many current misconceptions about topics including reason, morality, historical relativity, artificial intelligence, the criminal justice system, modern terrorism.
Prerequisites: None.
Offered: Occasionally.

PHIL 260 | History of Philosophy: Ancient | 3 cr
An examination of the philosophy of the Pre-Socratics, Socrates, Plato, Aristotle, the Stoics and Epicureans, Skeptics and Cynics, and the Neoplatonists. Not open to students with credit in PHIL 360.
Prerequisites: None.
Offered: Fall.

PHIL 261 | History of Philosophy: Early Modern | 3 cr
An examination of the philosophy of Descartes, Spinoza, Leibniz, Locke, Berkeley, Hume and Kant, and their contemporaries. Not open to students with credit in PHIL 361.
Prerequisites: None.

PHIL 275 | Techniques of Philosophical Research | 3 cr
Examines scholarly research as well as techniques for the development and assessment of philosophical arguments and positions. PHIL 201 recommended.
Prerequisites: One philosophy course and concurrently enrolled in a second philosophy course; or POLS 116 or POLS 209 or POLS 310 or POLS 320.
Offered: Occasionally.

PHIL 290 | Special Topics in Philosophy | 1-4 cr
Selected topics in philosophy will be examined.
Prerequisites: None.
Offered: Yearly.

PHIL 302 | Topics in the History of Philosophy | 3 cr
Examination in depth of a selected figure, movement, or issue in the history of philosophy. Original sources in translation are studied. Research paper required. May repeat for credit.
Prerequisites: One PHIL course or consent of instructor.

PHIL 303 | Set Theory, Logic and Proof | 4 cr
Examines elementary propositional and predicate logic; language and axioms of set theory; operations on sets; well-orderings, ordinals, transfinite induction and recursion; cardinals; the axiom of choice; combinatorics; reading and writing of proofs in mathematics.
Cross-listed with: MATH 303.
Prerequisites: MATH 222; or PHIL 201 and consent of instructor.
Offered: Fall.

PHIL 305 | Philosophical Analysis | 3 cr
Examines topics in epistemology, philosophical logic, philosophy of language, and/or philosophic method. May repeat once with different topic.
Prerequisites: PHIL 201 or PHIL 203.
Offered: Fall (even years).

PHIL 306 | Modern Political Philosophy | 3 cr
The works of modern political thinkers such as Machiavelli, Hobbes, Locke, Rousseau, Mill, Hegel, Marx and Nietzsche. Cross-listed with: POLS 306.
Prerequisites: One of the following: POLS 105, PHIL 101, HIST 119, HIST 120.

PHIL 307 | Contemporary Political Thought | 3 cr
Examines contemporary philosophical works including themes of the meaning of equality, liberty, autonomy, gender, race and community in contemporary society. Cross-listed with: POLS 307.
Prerequisites: One political science or philosophy course.
Offered: Occasionally.

PHIL 312 | Philosophy of Science | 3 cr
Examines topics such as the nature of scientific methods and theories; explanation, prediction, confirmation, and reduction; the relations among the sciences, culture, and values; and science versus pseudoscience. May be repeated once for credit with different topic.
Prerequisites: None.
Offered: Occasionally.

PHIL 315 | Metaphysics | 3 cr
Examines topics relating to the fundamental nature of reality and of the human condition (e.g., freewill, mind/body, the meaning of life, etc.). May be repeated once for credit with different topic.
Prerequisites: PHIL 204 or PHIL 205 or consent of instructor.
Offered: Spring (odd years).

PHIL 320 | Value Theory | 3 cr
Examines topics in moral theory or political theory or special issues such as relativism, science and morality, liberalism, Marxism, fascism, sexism, and human rights. May be repeated for credit with different content.
Prerequisites: PHIL 206 or consent of instructor.
Offered: Occasionally.

PHIL 321 | Politics, Law, and Society | 3 cr
Examines how law and politics interact with personal and social identity, including race, gender, and class. Cross-listed with: POLS 321.
Prerequisites: None.
Offered: Occasionally.

PHIL 325 | Social Philosophy | 3 cr

PHIL 328 | Ethics in the Criminal Justice System | 3 cr
An examination of ethical issues arising in connection with criminal justice in particular, punishment, legal and police ethics, and the justice of institutions associated with criminal justice.
Prerequisites: One course in PHIL, CRMJ 101, or consent of instructor.

PHIL 330 | Philosophy of Human Science | 3 cr

PHIL 331 | Philosophy of Popular Culture | 3 cr
Examines topics in popular culture such as the philosophy of film, the philosophy of sex and love, and the philosophy of zombies and vampires. May be repeated for credit with different topic.
Prerequisites: Sophomore standing.
Offered: Fall, Spring.

PHIL 340 | Bioethics | 3 cr
Examines moral conflicts that arise in the various fields associated with human biology. Analyze issues that physicians, patients, and policymakers confront in the provision of health care, the pursuit of medical research, and the allocation of finite health resources.
Prerequisites: Sophomore standing or above.
Offered: Occasionally.

PHIL 341 | Business Ethics | 3 cr
Examines business from the perspective of ethics and morals. Covers topics such as: environmentalism, financial incentives, affirmative action, globalization, conflicts of interests, and whistle-blowing.
Prerequisites: Sophomore standing.
Offered: Occasionally.

PHIL 342 | Environmental Ethics | 3 cr
Introduces the central questions of ethics as they relate to the environment and environmental issues.
Prerequisites: None.
Offered: Occasionally.

PHIL 355 | Topics in Continental Thought | 3 cr
Introduces major thinkers and movements of contemporary Continental philosophy. Focuses on the work of Friedrich Nietzsch, Martin Heidegger, Michel Foucault and Jacques Derrida.
Prerequisites: None.
Offered: Occasionally.

PHIL 360 | History of Philosophy: Ancient | 3 cr
An examination of the philosophy of the Pre-Socratics, Socrates, Plato, Aristotle, the Stoics and Epicureans, Skeptics and Cynics, and the Neoplatonists. Research paper required.
Prerequisites: One philosophy course or consent of instructor; Not open to students with credit in PHIL 260.

PHIL 361 | History of Philosophy: Early Modern | 3 cr
An examination of the philosophy of Descartes, Spinoza, Leibniz, Locke, Berkeley, Hume and Kant, and their contemporaries. A research paper will be required. Not open to students with credit in PHIL 261.
Prerequisites: One philosophy course or consent of instructor.
Offered: Spring.

PHIL 490 | Special Topics in Philosophy | 1-4 cr
Selected topics in philosophy will be examined.
Prerequisites: 6 credits in philosophy or consent of instructor.
Offered: Occasionally.

PHIL 494 | Internship in Philosophy | 1-12 cr
Provides opportunities to serve as intern in a relevant organization to incorporate critical thinking and analysis. Increases awareness of the role of philosophy in public life.
Prerequisites: One philosophy course; junior standing; consent of instructor and department chair.
Offered: Fall, Spring, Summer.

PHIL 499 | Independent Study | 1-5 cr
Topics individually arranged.
Prerequisites: Consent of instructor and department chair.
Offered: Occasionally.

Philosophy Major (BA)

Department website (https://www.uwp.edu/learn/programs/philosophymajor.cfm)

College: College of Social Sciences & Professional Studies

1. Demonstrate knowledge of the main concepts and theories of philosophy.
2. Demonstrate knowledge of the views of some historically important philosophers.
3. Demonstrate knowledge of the extent to which arguments and conclusions are supported by evidence.
4. Display intellectual openness by approaching topics that involve disparate views in a spirit of philosophical inquiry.

Requirements for the Philosophy Major

- At least 15 credits of upper-level courses in the major must be completed at UW-Parkside. PHIL 499 Independent Study does not count toward these 15 credits.
- A total of no more than 6 credits of PHIL 499 Independent Study, will count toward the major.
- A grade of C-minus or higher is required in any course to be counted toward the major.
- A 2.50 or better GPA in courses counting toward the major is required. Not all philosophy courses taken need be counted toward the major.

Code	Title	Credits
Required Courses		
PHIL 201	Logic	3
PHIL 260/360	History of Philosophy: Ancient	3

PHIL 261/361	History of Philosophy: Early Modern	3
PHIL 275	Techniques of Philosophical Research	3
Required Courses Subtotal		12
Elective Courses		
Select two courses (with one at the 300 level) in two of the following three areas: [1]		12
Ethics, Value Theory and Political Thought		
PHIL 206	Introduction to Ethics	
PHIL 207	Classical Political Philosophy	
PHIL 213	Aesthetics	
PHIL 215	Contemporary Moral Problems	
PHIL 306	Modern Political Philosophy	
PHIL 307	Contemporary Political Thought	
PHIL 320	Value Theory	
PHIL 321	Politics, Law, and Society	
PHIL 328	Ethics in the Criminal Justice System	
PHIL 340	Bioethics	
PHIL 341	Business Ethics	
PHIL 342	Environmental Ethics	
Metaphysics and Philosophy of Mind		
PHIL 204	Reason and Reality	
PHIL 205	Philosophy of Religion	
PHIL 255	Topics in Continental Thought	
PHIL 305	Philosophical Analysis	
PHIL 315	Metaphysics	
PHIL 355	Topics in Continental Thought	
Epistemology and Philosophy of Science		
GSCI 102	Science and Pseudoscience	
PHIL 203	Truth, Knowledge and Belief	
PHIL 212/312	Philosophy of Science	
MATH/PHIL 303	Set Theory, Logic and Proof	
PHIL 305	Philosophical Analysis	
Elective Courses Subtotal		12
Additional Elective Courses		
Select twelve additional credits of PHIL courses		12
Additional Elective Courses Subtotal		12
Total Credits		**36**

[1] No course may be used to cover two areas at once. This requirement is a total of four courses with a minimum of two at the 300 level. The department will sometimes assign courses to different areas depending on their topics, and majors will be informed of such assignments in advance.

General University Degree Requirements (Bachelor's Degree)

In addition to individual program requirements, students must also fulfill the following requirements:

Requirement	Credits
Skills	7-8
General Education	36
Foreign Language**	6-8
Ethnic Diversity	3
Total	52-55

** Transfer students in sustainable management, and health information management and technology collaborative, online degree-completion programs, the business management online degree-completion program, and the flexible option degree-completion program will be exempt from the university's foreign language requirement. See appropriate academic section for further information.

Skills Requirement (p. 13)

Code	Title	Credits
Reading and Writing		
ENGL 101	Composition and Reading	3
Computational Skills		
Select one of the following:		4-5
MATH 102	Quantitative Reasoning	
MATH 103	Elementary Statistics	
MATH 104	College Mathematics with Applications	
MATH 111	College Algebra I	
Total Credits		**7-8**

General Education (p. 13)

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Foreign Language (p. 13)

Ethnic Diversity (p. 13)

Degree Requirements

Requirement	Credits
Minimum Total Credits	120
Upper Level Credits (300 level or above)	36
Residency	30

Cumulative Degree GPA: 2.0 minimum

Political Science Major (BA)

Department website (https://www.uwp.edu/learn/programs/politicalsciencemajor.cfm)

College: College of Social Sciences & Professional Studies

This department offers options for the major: the traditional major in political science and the major in political science with a concentration in law. Students need to complete the requirements for one of these options. For example, a student choosing to major in political science with a concentration in law needs to meet the requirements listed under the concentration in law.

1. We seek to help our students attain a practical and theoretical knowledge of politics and the law, assisting them to become conversant in a broad-range of concepts in the areas of political theory, international politics, comparative politics, American government, and the law.

2. We seek to help our students to become critical thinkers; thinkers that are able to question the assumptions that underwrite claims or positions and make reasoned determinations about the truth and strength of various arguments.\\n
3. We seek to help our students to become independent researchers, capable of identifying and articulating hypotheses, seeking information and inputs relevant to the topic, evaluating the credibility of sources and information, applying the appropriate methods and tools for testing or exploring a hypothesis, and drawing proper conclusions based on their findings.\\n
4. We seek to help our students become global citizens in the sense that they have civically-oriented consciousness, a respect for diversity, pluralism and inclusiveness, and a moral and ethical sense of responsibility and moral disposition regarding their place in local, state, national, and international communities.\\n

Requirements for the Political Science Major

A student must be in good academic standing at the time of declaring the major.

All students must complete their degree program within 10 years of declaring a major or minor in political science, or the concentration in law, or completing their first course in political science, whichever is earlier. Credits earned at UW-Parkside or at any other institution that are more than 10 years old cannot be used to complete any major, minor or concentration offered by this department. A student who has been inactive for three or more years must reapply for admission to the major. The department reserves the right to require additional credits or course work.

Code	Title	Credits
Introductory Courses		
Select three of the following:		9
POLS 100	American Politics	
POLS 103	Introduction to Comparative Politics	
POLS 104	Introduction to International Relations	
POLS 105	Introduction to Politics	
POLS 202	Public Policy	
Required Research Course		
POLS 200	Research Methods and Sources [1]	4
Advanced Courses		
Select three of the following, one course from at least three different sub-groups, at least 6 credits must be upper-division: [2]		9
American Politics		
POLS 116	Introduction to Law	
POLS 318	Legislative Politics	
POLS 360	Political Parties and Interest Groups	
POLS 375	Elections and Political Participation	
POLS 403	Women, Power and Politics	
World Politics		
POLS 224	American Foreign Policy	
POLS 330	European Politics	
POLS 331	The Politics of Developing Nations	
POLS 332	Socialist Thought and Practice	
POLS 335	Popular Music, Human Rights and Democratization	
POLS 338	Fascism, Nazism, and the Contemporary Radical Right	
POLS 340	The Latin American Left	
POLS 341	International Conflict and Cooperation	
POLS 344	African Politics	
POLS 403	Women, Power and Politics	
POLS 415	International Law	
Political Theory		
POLS 207	Classical Political Philosophy	
POLS 306	Modern Political Philosophy	
POLS 307	Contemporary Political Thought	
POLS 332	Socialist Thought and Practice	
POLS 338	Fascism, Nazism, and the Contemporary Radical Right	
Public Policy		
POLS 202	Public Policy	
POLS 217	Tactical Decision Making	
POLS 302	Environmental Policy	
POLS 312	Introduction to Global Warming Policy and Governance	
POLS 316	Diversity Law: African Americans	
POLS 317	Strategic Decision Making	
POLS 367	Latinos(as) and the Law	
Additional Upper Level Courses		
Select at least three additional courses numbered 300 or above [3]		9
Required Senior Seminar		
POLS 445	Senior Seminar in Political Science	3
Total Credits		**34**

1. This course is required even if another research methods course has been taken.
2. Note: Courses offered in more than one category can satisfy either category, but not both.
3. The political science internship (POLS 494 Internship in Political Science) and independent study (POLS 490 Special Topics in Political Science) are recommended options but are not required.
   No more than 6 credits of internship and 3 credits of independent study can be counted toward meeting the credit-hour requirements for the major.

Requirements for the Political Science Major with a Concentration in Law

This department offers a concentration in law for political science majors interested in pursuing a career in law or legal studies (practicing law, teaching law, court administration, and government agencies). The concentration in law brings together the most significant perspectives and tools required for a thorough preparation in law and legal studies, grounded in democratic theory and practice.

Students must complete a minimum of 15 credits at UW-Parkside in their major in courses numbered 300 or above. This concentration requires a minimum of 33 credits. These credits are distributed as follows:

Code	Title	Credits
Required Courses		
POLS 100	American Politics	3
POLS 200	Research Methods and Sources	3-4
or PHIL 275	Techniques of Philosophical Research	
POLS 116	Introduction to Law	3
POLS 202	Public Policy	3
POLS 310	Constitutional Law: Civil Liberties	3
POLS 320	Constitutional Law: The Structure and Power of U.S. Government	3
POLS 445	Senior Seminar in Political Science	3
Required Courses Subtotal		21-22
Introductory Course		
Select one of the following:		3
POLS 103	Introduction to Comparative Politics	
POLS 104	Introduction to International Relations	
POLS 105	Introduction to Politics	
Upper Level Electives		
Select three of the following (minimum of one POLS):		9
COMM 385	Conflict Mediation	
COMM 485	Practicum in Conflict Intervention	
CRMJ 316	Criminal Procedure	
CRMJ 325	Restorative Justice	
CRMJ 364	Capital Punishment	
CRMJ 380	Criminal Law	
POLS 302	Environmental Policy	
POLS 312	Introduction to Global Warming Policy and Governance	
POLS 316	Diversity Law: African Americans	
POLS 321	Politics, Law, and Society	
POLS 367	Latinos(as) and the Law	
POLS 415	International Law	
POLS 494	Internship in Political Science [1]	
SOCA 359	Law and Society	
Strongly Recommended		
PHIL 201	Logic	
Total Credits		**33-34**

[1] A maximum of 3 credits of internship can be applied to the 9 credits required in this category.

Note: Courses in other departments may have course or departmental prerequisites.

General University Degree Requirements (Bachelor's Degree)

In addition to individual program requirements, students must also fulfill the following requirements:

Requirement	Credits
Skills	7-8
General Education	36
Foreign Language**	6-8
Ethnic Diversity	3
Total	52-55

** Transfer students in sustainable management, and health information management and technology collaborative, online degree-completion programs, the business management online degree-completion program, and the flexible option degree-completion program will be exempt from the university's foreign language requirement. See appropriate academic section for further information.

Skills Requirement (p. 13)

Code	Title	Credits
Reading and Writing		
ENGL 101	Composition and Reading	3
Computational Skills		
Select one of the following:		4-5
MATH 102	Quantitative Reasoning	
MATH 103	Elementary Statistics	
MATH 104	College Mathematics with Applications	
MATH 111	College Algebra I	
Total Credits		**7-8**

General Education (p. 13)

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Foreign Language (p. 13)

Ethnic Diversity (p. 13)

Degree Requirements

Requirement	Credits
Minimum Total Credits	120
Upper Level Credits (300 level or above)	36
Residency	30

Cumulative Degree GPA: 2.0 minimum

Course	Title	Credits
Year 1		
Fall Semester		
MATH 104	College Mathematics with Applications	4
ENGL 100	Fundamentals of English	3
POLS 100	American Politics	3
or POLS 103	or Introduction to Comparative Politics	
or POLS 104	or Introduction to International Relations	
or POLS 105	or Introduction to Politics	
or POLS 202	or Public Policy	
Introductory Language		4
General Education (HU)		3
	Credits	**17**
Spring Semester		
ENGL 101	Composition and Reading	3
POLS 103	Introduction to Comparative Politics	3
or POLS 100	or American Politics	
or POLS 104	or Introduction to International Relations	
or POLS 105	or Introduction to Politics	
or POLS 202	or Public Policy	

POLS 104	Introduction to International Relations	3
or POLS 100	or American Politics	
or POLS 103	or Introduction to Comparative Politics	
or POLS 105	or Introduction to Politics	
or POLS 202	or Public Policy	
Introductory Language		4
General Education (NS)		3
	Credits	**16**
	Total Credits	**33**

Course	Title	Credits
Year 2		
Fall Semester		
POLS 200	Research Methods and Sources	4
POLS Advanced Course		3
General Education (HU)		3
General Education (SS)		3
General Education (NS)		3
	Credits	**16**
Spring Semester		
POLS Advanced Course		3
POLS Advanced Course		3
General Education (SS)		3
General Education (HU)		3
General Education (NS)		3
	Credits	**15**
	Total Credits	**31**

Course	Title	Credits
Year 3		
Fall Semester		
POLS 300/400 Level Elective		3
POLS 300/400 Level Elective		3
General Education (HU)		3
General Education (NS)		3
General Elective		3
	Credits	**15**
Spring Semester		
POLS 300/400 Level Elective		3
General Elective		3
General Elective		3
General Elective		3
	Credits	**12**
	Total Credits	**27**

Course	Title	Credits
Year 4		
Fall Semester		
300/400 Level General Elective		3
300/400 Level General Elective		3
300/400 Level General Elective		3
General Elective		3
General Elective		3
	Credits	**15**
Spring Semester		
POLS 445	Senior Seminar in Political Science	3
300/400 Level General Elective		3
300/400 Level General Elective		3
General Elective		3
General Elective		3
	Credits	**15**
	Total Credits	**30**

Legal Studies Minor

Department website (https://www.uwp.edu/learn/programs/legalstudies.cfm)

College: College of Social Sciences & Professional Studies

Students majoring in Political Science with a concentration in law are not eligible to earn a Legal Studies Minor.

Requirements for the Legal Studies Minor

Code	Title	Credits
Required Courses		
POLS 100	American Politics	3
POLS 116	Introduction to Law	3
POLS 310	Constitutional Law: Civil Liberties	3
or POLS 320	Constitutional Law: The Structure and Power of U.S. Government	
Elective POLS Courses		
Select two of the following, one must be POLS:		6
POLS 202	Public Policy	
POLS 310	Constitutional Law: Civil Liberties	
POLS 316	Diversity Law: African Americans	
POLS 318	Legislative Politics	
POLS 320	Constitutional Law: The Structure and Power of U.S. Government	
POLS 321	Politics, Law, and Society	
POLS 367	Latinos(as) and the Law	
POLS 415	International Law	
POLS 445	Senior Seminar in Political Science	
POLS 490	Special Topics in Political Science (with permission of legal studies advisor)	
CRMJ 316	Criminal Procedure	
CRMJ 325	Restorative Justice	
CRMJ 364	Capital Punishment	
CRMJ 380	Criminal Law	
ECON 250	Economics of Discrimination In Banking	
SOCA 359	Law and Society	
Total Credits		**15**

University Requirements for Minors

Course work in the minor must be completed with the minimum GPA as specified by the department or program under which the minor falls, usually a 2.00 on a 4.00 scale, but higher in some programs. Transfer students must attain the minimum specified GPA on a combination of transfer credits accepted toward the minor and credits attempted at UW-Parkside.

At least half of the course work required for a minor must be completed at UW-Parkside.

Philosophy Minor

Department website (https://www.uwp.edu/learn/programs/philosophyminor.cfm)

College: College of Social Sciences & Professional Studies

Requirements for the Philosophy Minor

- A minimum of 9 upper-level credits must be taken at UW-Parkside.
- A grade of C-minus or higher is required in any course to be counted toward the minor.
- A 2.50 or better GPA in courses counting toward the minor is required.

Code	Title	Credits
Select three PHIL 300-or 400-level courses		9
Select two PHIL 200-level or above courses		6
Select one PHIL course at any level		3
Total Credits		**18**

University Requirements for Minors

Course work in the minor must be completed with the minimum GPA as specified by the department or program under which the minor falls, usually a 2.00 on a 4.00 scale, but higher in some programs. Transfer students must attain the minimum specified GPA on a combination of transfer credits accepted toward the minor and credits attempted at UW-Parkside.

At least half of the course work required for a minor must be completed at UW-Parkside.

Philosophy of Natural Science Minor

Department website (https://www.uwp.edu/learn/programs/philosophynaturalsci.cfm)

College: College of Social Sciences & Professional Studies

Requirements for the Philosophy of Natural Science Minor

The minor in philosophy of natural science is open to students majoring in biological sciences, geology, mathematics, computer science, and physics and to others by consent of the chair of the Philosophy Department.

Code	Title	Credits
Required Courses		
GSCI 102	Science and Pseudoscience	3
PHIL 201	Logic	3
PHIL 312	Philosophy of Science	3
Elective Courses		
Select three of the following: [1]		9
MATH 373	History of Mathematics	
PHIL 102	Great Thinkers	
PHIL 203	Truth, Knowledge and Belief	
PHIL 204	Reason and Reality	
MATH/PHIL 303	Set Theory, Logic and Proof	
Total Credits		**18**

[1] Other courses will be accepted as electives from time to time as suitable.

University Requirements for Minors

Course work in the minor must be completed with the minimum GPA as specified by the department or program under which the minor falls, usually a 2.00 on a 4.00 scale, but higher in some programs. Transfer students must attain the minimum specified GPA on a combination of transfer credits accepted toward the minor and credits attempted at UW-Parkside.

At least half of the course work required for a minor must be completed at UW-Parkside.

Political Science Minor

Department website (https://www.uwp.edu/learn/programs/politicalsciminor.cfm)

College: College of Social Sciences & Professional Studies

Requirements for the Student-Designed Political Science Minor

Code	Title	Credits
Select two POLS 100-level courses		6
Select three POLS 200-level or higher courses		9
Total Credits		**15**

University Requirements for Minors

Course work in the minor must be completed with the minimum GPA as specified by the department or program under which the minor falls, usually a 2.00 on a 4.00 scale, but higher in some programs. Transfer students must attain the minimum specified GPA on a combination of transfer credits accepted toward the minor and credits attempted at UW-Parkside.

At least half of the course work required for a minor must be completed at UW-Parkside.

Public Policy Studies Minor

Department website (https://www.uwp.edu/learn/programs/publicpolicy.cfm)

College: College of Social Sciences & Professional Studies

Requirements for the Public Policy Studies Minor

Code	Title	Credits
Required Courses		
POLS 100	American Politics	3
POLS 202	Public Policy	3
Public Policy Courses		
Select any three of the following, one must be POLS:		9
PHIL 342	Environmental Ethics	
PHIL 328	Ethics in the Criminal Justice System	
POLS 302	Environmental Policy	
POLS 312	Introduction to Global Warming Policy and Governance	
POLS 321	Politics, Law, and Society	

POLS 367	Latinos(as) and the Law	
POLS 403	Women, Power and Politics	
ECON 250	Economics of Discrimination In Banking	
Total Credits		**15**

University Requirements for Minors

Course work in the minor must be completed with the minimum GPA as specified by the department or program under which the minor falls, usually a 2.00 on a 4.00 scale, but higher in some programs. Transfer students must attain the minimum specified GPA on a combination of transfer credits accepted toward the minor and credits attempted at UW-Parkside.

At least half of the course work required for a minor must be completed at UW-Parkside.

World Politics Minor

Department website (https://www.uwp.edu/learn/programs/worldpolitics.cfm)

College: College of Social Sciences & Professional Studies

Requirements for the World Politics Minor

Code	Title	Credits
Required Courses		
POLS 103	Introduction to Comparative Politics	3
POLS 104	Introduction to International Relations	3
World Politics Elective Courses		
Select three of the following:		9
POLS 224	American Foreign Policy	
POLS 330	European Politics	
POLS 331	The Politics of Developing Nations	
POLS 332	Socialist Thought and Practice	
POLS 335	Popular Music, Human Rights and Democratization	
POLS 338	Fascism, Nazism, and the Contemporary Radical Right	
POLS 340	The Latin American Left	
POLS 344	African Politics	
POLS 360	Political Parties and Interest Groups	
POLS 403	Women, Power and Politics	
POLS 415	International Law	
PHIL 340	Bioethics	
PHIL 341	Business Ethics	
Total Credits		**15**

University Requirements for Minors

Course work in the minor must be completed with the minimum GPA as specified by the department or program under which the minor falls, usually a 2.00 on a 4.00 scale, but higher in some programs. Transfer students must attain the minimum specified GPA on a combination of transfer credits accepted toward the minor and credits attempted at UW-Parkside.

At least half of the course work required for a minor must be completed at UW-Parkside.

Campaigns Certificate

Department website (https://www.uwp.edu/learn/programs/campaignscertificate.cfm)

College: College of Social Sciences & Professional Studies

Requirements for Campaigns Certificate

Code	Title	Credits
POLS 100	American Politics	3
POLS 200	Research Methods and Sources	4
POLS 360	Political Parties and Interest Groups	3
or POLS 494	Internship in Political Science	
POLS 375	Elections and Political Participation	3
COMM 108	Media and Society	3
Total Credits		**16**

University Requirements for Undergraduate Certificates

Course work in a certificate must be completed with a minimum 2.00 GPA. Departments or programs may require a higher GPA.

A minimum of 9 credits in a certificate program must be taken at UW-Parkside. Individual departments and programs may require more than 9 credits to be taken at UW-Parkside.

Ethics Certificate

Department website (https://www.uwp.edu/learn/programs/ethics.cfm)

College: College of Social Sciences & Professional Studies

Requirements for the Ethics Certificate

Code	Title	Credits
Required Courses		
PHIL 206	Introduction to Ethics	3
PHIL 215	Contemporary Moral Problems	3
Elective Courses		
Select two of the following:		6
PHIL 320	Value Theory	
PHIL 328	Ethics in the Criminal Justice System	
PHIL 340	Bioethics	
PHIL 341	Business Ethics	
PHIL 342	Environmental Ethics	
POLS 349	Global Ethics	
SPMT 200	Ethics and Issues in Sport Management	
Total Credits		**12**

University Requirements for Undergraduate Certificates

Course work in a certificate must be completed with a minimum 2.00 GPA. Departments or programs may require a higher GPA.

A minimum of 9 credits in a certificate program must be taken at UW-Parkside. Individual departments and programs may require more than 9 credits to be taken at UW-Parkside.

Governmental Affairs Certificate

Department website (https://www.uwp.edu/learn/programs/governmentaffairscertificate.cfm)

College: College of Social Sciences & Professional Studies

Requirements for the Governmental Affairs Certificate

Code	Title	Credits
POLS 100	American Politics	3
or POLS 105	Introduction to Politics	
or POLS 116	Introduction to Law	
POLS 200	Research Methods and Sources	4
POLS 202	Public Policy	3
POLS 320	Constitutional Law: The Structure and Power of U.S. Government	3
SOCA 323	Institutional Racism in America	3
Total Credits		**16**

University Requirements for Undergraduate Certificates

Course work in a certificate must be completed with a minimum 2.00 GPA. Departments or programs may require a higher GPA.

A minimum of 9 credits in a certificate program must be taken at UW-Parkside. Individual departments and programs may require more than 9 credits to be taken at UW-Parkside.

History of Western Ideas Certificate

Department website (https://www.uwp.edu/learn/programs/historyofwesternideas.cfm)

College: College of Social Sciences & Professional Studies

Requirements for the History of Western Ideas Certificate

Code	Title	Credits
HIST 118	Western Civilization I: From Antiquity to 1300	3
HIST 119	Western Civilization II: The Middle Ages to 1815	3
Choose one at the 200 level and one at the 300 level:		
PHIL 260	History of Philosophy: Ancient	3
or PHIL 360	History of Philosophy: Ancient	
PHIL 261	History of Philosophy: Early Modern	3
or PHIL 361	History of Philosophy: Early Modern	
Total Credits		**12**

University Requirements for Undergraduate Certificates

Course work in a certificate must be completed with a minimum 2.00 GPA. Departments or programs may require a higher GPA.

A minimum of 9 credits in a certificate program must be taken at UW-Parkside. Individual departments and programs may require more than 9 credits to be taken at UW-Parkside.

Professional Studies

Department website (http://www.uwp.edu/learn/departments/professionalstudies/)

College: College of Social Sciences & Professional Studies

Center Overview

UW-Parkside is committed to high-quality educational programs, creative and scholarly activities, and services responsive to its diverse student population, and its local, national and global communities. The Center for Professional Studies (CPS) supports the university mission by offering interdisciplinary, innovative, and diverse learning opportunities in flexible environments to students and our regional partners. The values of the CPS are compatible with the values of the University.

- **Access:** Provide motivated learners access to a high-quality, world-class education, which allows them to achieve their education and career goals.
- **Academic Excellence:** Our career-focused educational programs provide the highest level of academic excellence to prepare our students with real-world experience. Our commitment to quality pervades all aspects of program design and assessment.
- **Innovation:** Innovation is driven by an understanding that higher educational delivery must be managed in a fiscally sustainable model, enabling the enterprise to secure resources and infrastructure to achieve and strengthen its mission.
- **Student Success:** We serve as catalysts to transform the academic experience to meet the needs of students. We are compelled to deliver an academic experience that is highly relevant and enriching to our students' lives.
- **Diversity and Inclusiveness:** Our curriculum is developed to align with the needs of the global economy's leading industries. The diversity of our students reflects the global economy in which they will practice.

Air Force Reserve Officers' Training Corps (AFROTC)

UWP students have the opportunity to participate fully in the Air Force Reserve Officers Training Corps (AFROTC) Program through a partnership with the host Marquette University. Students enrolled in the Air Force ROTC program attend AFROTC courses at Marquette University. Through this program, UWP offers its students the opportunity to prepare for initial active duty assignments as Air Force Commissioned Officers. In order to receive a commission, AFROTC cadets must complete all university requirements for a degree and courses specified by the Air Force. AFROTC offers four- and three-year programs leading to a commission as an Air Force officer. Four-year program students complete the general military course and the professional officer course.

General Eligibility

- Be a full-time student;
- Be a United States citizen (for scholarship appointment);
- Be in good physical condition;
- Be of good moral character;
- For pilot or navigator training, fulfill all commissioning requirements before age 29;
- For scholarship recipients, fulfill all commissioning requirements before age 31; and
- For non-scholarship students, fulfill all commissioning requirements before age 31.

General Military Course

The first- and second-year educational program in Air Force Aerospace Studies consists of a series of one-hour courses designed to give students basic information on world military systems and the role of the U.S. Air Force in the defense of the free world. All required textbooks and uniforms are provided free. The general military course is open to all students at UWP without advance application and does not obligate students to the Air Force in any way.

Field Training

AFROTC Field Training is offered during the summer months at Maxwell Air Force Base, Alabama, and provides leadership and officer training in a structured military environment. Major areas of study include physical training, drill and ceremony, marksmanship, and survival training. The Air Force pays all expenses associated with field training.

Professional Officer Course

The third and fourth years of Air Force Aerospace Studies are designed to develop skills and attitudes vital to the professional officer. Students completing the professional officer course are commissioned as officers in the U.S. Air Force upon college graduation. All students in the professional officer course receive a non-taxable subsistence allowance per month during the academic year. Students wanting to enter the professional officer course should apply early in the spring semester in order to begin this course of study in the following fall semester.

Leadership Lab

Leadership Lab is a cadet-centered activity. It is largely cadet-planned and -directed, in line with the premise that it provides leadership training experience that will improve a cadet's ability to perform as an Air Force officer. The freshman and sophomore leadership laboratory program introduces Air Force customs and courtesies, drill and ceremonies, wearing the uniform, career opportunities in the Air Force, education and training benefits, the life and work of an Air Force officer, and opportunities for field trips to Air Force installations throughout the U.S. Initial experiences include preparing the cadet for individual squadron and flight movements in drill and ceremonies and for the field training assignment prior to the junior year.

The junior and senior leadership laboratory program involves the cadets in advanced leadership experiences. Cadet responsibilities include planning and directing the activities of the cadet corps, preparing briefings and written communications, and providing interviews, guidance, information, and other services that will increase the performance and motivation of other cadets.

AFROTC College Scholarship and High School Scholarship Programs

While participating in AFROTC, scholarship students receive a stipend per month along with paid tuition, fees, and a fixed textbook reimbursement. To be eligible for either of these programs, students must:

- Be a U.S. citizen;
- Be at least 17 years of age on the date of enrollment and under 31 years of age on December 31 of the estimated year of commissioning;
- Pass an Air Force physical exam;
- Be selected by a board of Air Force officers;
- Have no moral objections or personal convictions that prevent bearing arms and supporting and defending the Constitution of the United States against all enemies, foreign and domestic (applicants must not be conscientious objectors);
- Maintain a 2.5 grade point average.

High school students can apply for scholarships late in their junior year or early in their senior year.

Information on Air Force ROTC and applications for Air Force scholarships are available at www.AFROTC.com (https://www.afrotc.com). Scholarship applications will not be accepted after December 1 of the year before entering college.

For more information, contact the Department of Aerospace Studies at Marquette University, (414) 288-7682.

Courses for Air Force Reserve Officers' Training Corps (AFROTC)

Code	Title	Credits
MILS 100	Air Force Leadership Lab	0
MILS 103	Foundations of United States Air Force I	1
MILS 104	Foundations of United States Air Force II	1
MILS 203	Evolution of the USAF Air and Space Power I	1
MILS 204	Evolution of the USAF Air and Space Power II	1
MILS 303	Air Force Leadership Studies I	3
MILS 304	Air Force Leadership Studies II	3
MILS 403	National Security Affairs, Preparation for Active Duty I	3
MILS 404	National Security Affairs, Preparation for Active Duty II	3

Army Reserve Officers' Training Corps (AROTC)

UW-Parkside students have the opportunity to participate in the Army Reserve Officers Training Corps (AROTC) through a partnership with the host Marquette University. The AROTC program provides university students with leadership, management, technical, and tactical skills that will enable them to start their journey as commissioned officers in the United States Army, Army Reserve, or Army National Guard.

Army ROTC is not a major field of study. It is a program in which students pursue a baccalaureate degree of their choice and take AROTC courses in military-oriented subject matter. AROTC provides a general knowledge of the contemporary role of the Army in support of national objectives and a

practicum in management and leadership skills. Credits earned in military studies courses apply toward graduation requirements.

The Army ROTC program offers competitive two-, three-, and four-year scholarships to qualified students. Currently, the scholarships offered for UWP students cover full tuition and fees or room and board, $1,200 a year for books, and a $300-$500 monthly stipend.

General Eligibility

To be eligible for an AROTC scholarship, students must:

- Be a United States citizen;
- Be a full-time student;
- Have no major civil convictions;
- Not be a conscientious objector;
- Be medically qualified;
- Have a minimum 2.5 GPA; and
- Have a minimum ACT score of 19 or SAT score of 950.

The Army ROTC program is divided into two parts: the basic course (freshman and sophomore years) and the advanced course (junior and senior years). The freshman and sophomore year courses are currently being offered at UWP; the remainder of the courses are offered at Marquette University. UWP students enroll in the AROTC courses at UWP and complete a cross-town enrollment form; all credits count towards GPA and graduation requirements.

Basic Course

In the basic course, cadets learn basic military skills and receive the foundation for leadership and management skills that are expanded during the advanced course. The basic course is open to all full-time UWP students without any obligation to the Army.

Advanced Course

During the advanced course, cadets learn more extensive leadership and management skills, and they are placed into various leadership positions in the battalion. Cadets also develop skills and attributes that are essential for all commissioned officers in the U.S. Army.

In addition to completing the military studies courses, advanced-course students are required to attend the Advanced Leadership Course at Fort Lewis, Washington, during the summer between the junior and senior years. During this five-week camp, cadets are expected to apply all of the skills that they have learned in the AROTC program. In addition, cadets are offered the opportunity to compete for a chance to attend Airborne School, Air Assault School, or Cadet Troop Leadership Training (CTLT). CTLT is an "internship" in which cadets have a chance to see what a Second Lieutenant does on an active duty Army post. To qualify for the Advanced Course, students must accomplish one of the following:

- Complete the two years of the basic course;
- Attend the Basic Leaders Course, a six-week camp at Fort Knox, Kentucky; or
- Complete U.S. Army Basic Training or its equivalent.

Field Exercises

Once a semester, all of the cadets in the program go to Fort McCoy, Wisconsin, to practice all of the skills that they have learned. Advanced course cadets also are given the opportunity to improve their leadership skills by being placed in various leadership positions leading other cadets.

Physical Training

Three times a week, cadets are required to attend physical training (PT). During PT, cadets do physical activities such as push-ups, sit-ups, and running. PT currently is conducted at both UWP and Marquette University.

For more information about enrolling in the Army ROTC program, contact armyrotc@uwp.edu or the Army ROTC Office, (262) 595-2162, or https://www.uwp.edu/learn/programs/armyrotc.cfm

Courses for Army Reserve Officers' Training Corps (AROTC)

Code	Title	Credits
Army ROTC Courses		
MILS 101	Military Physical Training I	1
MILS 102	Military Physical Training II	1
MILS 110	Military Leadership I	1
MILS 120	Military Leadership II	1
MILS 201	Military Physical Training III	1
MILS 202	Military Physical Training IV	1
MILS 210	Tactical Leadership	2
MILS 220	Military Leadership in the Contemporary Environment	2
MILS 301	Military Physical Training V	1
MILS 302	Military Physical Training VI	1
MILS 310	Adaptive Team Leadership	3
MILS 320	Leadership and Ethical Decision-Making	3
MILS 401	Military Physical Training VII	1
MILS 402	Military Physical Training VIII	1
MILS 410	Applied Leadership I	2
MILS 420	Applied Leadership II	2
Military History Requirement		
Select one of the following:		3
HIST 326	Age of Napoleon, 1770-1825	
HIST 342	The American Civil War	
Special Topics courses can be used only for the topics listed below. An Executive Action form will need to be submitted by the department.		
HIST 260 World War I or World War II only		
HIST 290 Cold War America only		
Marquette University course offered through the ROTC program [1]		
MISL 1800 American Crucible: The Military and the Development of the United States		

[1] Students wishing to use the Marquette University MISL 1800 course must have their official transcript from Marquette sent to the UW-Parkside Admissions Office for transfer evaluation. See the Transfer Credit Policies in the academic catalog for more information.

Parkside Access to College Credits (PACC) Program Overview

The Parkside Access to College Credit Program (PACC) is a concurrent enrollment program that partners with high schools to offer college courses to high school students. In the PACC program students take college courses at their high school, during the regular school day, taught by qualified high school teachers, and simultaneously earn both high

school and college credit upon successful completion. Courses taken in the PACC program are transferable to most colleges and universities.

BENEFITS TO STUDENTS

- Earn college credit(s) prior to the first year of college
- Take a college courses(s) at the high school, taught by qualified high school teachers, during the regular school day
- Students will have a UWP transcript upon completion of a PACC course
- UWP college courses are transferable to most colleges and universities
- By earning credits early, students have more flexibility in scheduling at college
- Research shows students are more likely to remain in college if they take concurrent enrollment courses
- Save money on future tuition costs
- Get a head start on college which provides more opportunity to double major, add minors, or certificates, in addition to graduate in four years

Go to https://www.uwp.edu/learn/departments/professionalstudies/pacc/

Programs Offered

- Military Leadership Minor (p. 298)
- eSports and Gaming Certificate (p. 298)
- Military and Security Studies (AA) (p. 48)
- Professional Studies (AA) (p. 51)

Center for Professional Studies Courses

CPS 103 | Introduction to Smart Cities | 3 cr
Explores key concepts and ideas in the field of Smart Cities. Examines presuppositions about the principles that will inform interactions and life in future cities.
Prerequisites: None.
Offered: Fall.
Meets: Social & Behavioral Science: CPS, Social & Behavioral Science: CPS, Social & Behavioral Science: CPS, Social & Behavioral Science: CPS, Social & Behavioral Science: CPS

CPS 104 | Introduction to Race and Ethnicity Concepts | 3 cr
Examines race and ethnicity in the United States. Emphasizes building critical skills, considering historical and socio-economic contexts, questioning assumptions, identifying inconsistencies, asking questions, modifying assertions, and formulating responses.
Prerequisites: None.
Offered: Fall, Spring.
Meets: Social & Behavioral Science: CPS, Ethnic Diversity, Social & Behavioral Science: CPS, Ethnic Diversity, Social & Behavioral Science: CPS, Ethnic Diversity, Social & Behavioral Science: CPS, Ethnic Diversity, Social & Behavioral Science: CPS, Ethnic Diversity

CPS 107 | Introduction to Esports | 1 cr
Provides a general overview of esports including the history of esports development, leagues, games, etiquette, and the health related components of esports such as injuries.
Prerequisites: None.
Offered: Fall.

CPS 490 | Special Topics in Professional Studies | 3 cr
Provides opportunity for an in-depth study of new and/or special-interest subject areas within the discipline. Course may be repeated with a different topic for a maximum of 6 credits.
Prerequisites: None.
Offered: Occasionally.

Courses in Military Studies

MILS 100 | Air Force Leadership Lab | 0 cr
Provides prospective Air Force officers opportunities and feedback needed to develop followership, leadership, teamwork and managerial skills. May be repeated.
Prerequisites: None.
Offered: Fall, Spring.

MILS 101 | Military Physical Training I | 1 cr
Provides goal-oriented, small unit approach to physical conditioning and military drill. Focuses on strength, mobility and endurance development, measured by the Army Physical Fitness Test. This course is a part of the Army ROTC program offered by Marquette University through a cross-town partnership agreement.
Prerequisites: None.
Offered: Fall.

MILS 102 | Military Physical Training II | 1 cr
Provides goal-oriented, small unit approach to physical conditioning and military drill. Focuses on strength, mobility and endurance development, measured by the Army Physical Fitness Test. This course is a part of the Army ROTC program offered by Marquette University through a cross-town partnership agreement.
Prerequisites: None.
Offered: Spring.

MILS 103 | Foundations of United States Air Force I | 1 cr
Introduces communication skills and the US Air Force, and provides basic characteristics, missions, and organization. Students pursuing an Air Force commission must concurrently enroll in MILS 100.
Prerequisites: None.
Offered: Fall.

MILS 104 | Foundations of United States Air Force II | 1 cr
Advances communication skills and the US Air Force, and provides characteristics, missions, and organization. Students pursuing an Air Force commission must concurrently enroll in MILS 100.
Prerequisites: None.
Offered: Spring.

MILS 110 | Military Leadership I | 1 cr
Introduces military professional and military leadership including the core competencies critical to effective leadership such as time management, problem solving, and decision making. Establishes a framework for understanding officership, leadership, and ROTC values. This course is a part of the Army ROTC program offered by Marquette University through a cross-town partnership agreement.
Prerequisites: None.
Offered: Fall.

MILS 120 | Military Leadership II | 1 cr
Extends the depth of military leadership and competency introducing communication principles, military briefings, effective writing, problem solving, goals setting, listening and speaking skills, and counseling. This course is a part of the Army ROTC program offered by Marquette University through a cross-town partnership agreement.
Prerequisites: None.
Offered: Spring.

MILS 201 | Military Physical Training III | 1 cr
Provides goal-oriented, small unit approach to physical conditioning and military drill. Focuses on strength, mobility and endurance development, measured by the Army Physical Fitness Test. This course is a part of the Army ROTC program offered by Marquette University through a cross-town partnership agreement.
Prerequisites: MILS 102.
Offered: Fall.

MILS 202 | Military Physical Training IV | 1 cr
Provides goal-oriented, small unit approach to physical conditioning and military drill. Facuses on strength, mobility and endurance development, measured by the Army Physical Fitness Test. This course is a part of the Army ROTC program offered by Marquette University through a cross-town partnership agreement.
Prerequisites: MILS 201.
Offered: Spring.

MILS 203 | Evolution of the USAF Air and Space Power I | 1 cr
Introduces Air Force heritage and leaders, air and space power, and continues application of communication skills. Students pursuing an Air Force commission must concurrently enroll in MILS 100.
Prerequisites: None.
Offered: Fall.

MILS 204 | Evolution of the USAF Air and Space Power II | 1 cr
Advances study of Air Force heritage and leaders, air and space power, and continues application of communication skills. Students pursuing an Air Force commission must concurrently enroll in MILS 100. Students pursuing an Air Force commission must concurrently enroll in MILS 100. Frequency: Spring. Method: Traditional. Effective: Fall 2019.
Prerequisites: None.
Offered: Spring.

MILS 210 | Tactical Leadership | 2 cr
Explores dimensions of creative and innovative tactical leadership strategies and styles by examining team dynamics and historical leadership theories that form the basis of Army leadership framework. This course is a part of the Army ROTC program offered by Marquette University through a cross-town partnership agreement.
Prerequisites: MILS 120.
Offered: Fall.

MILS 220 | Military Leadership in the Contemporary Environment | 2 cr
Examines the challenges of leading tactical teams in the complex operational environment. Develops leadership style and communication and team-building skills in the contemporary environment. This course is a part of the Army ROTC program offered by Marquette University through a cross-town partnership agreement.
Prerequisites: MILS 210.
Offered: Spring.

MILS 301 | Military Physical Training V | 1 cr
Provides goal-oriented, small unit approach to physical conditioning and military drill. Focuses on strength, mobility and endurance development, measured by the Army Physical Fitness Test. This course is a part of the Army ROTC program offered by Marquette University through a cross-town partnership agreement. Frequency: Fall. Method: Traditional. Effective: Fall 2017.
Prerequisites: MILS 202.
Offered: Fall.

MILS 302 | Military Physical Training VI | 1 cr
Provides goal-oriented, small unit approach to physical conditioning and military drill. Focuses on strength, mobility and endurance development, measured by the Army Physical Fitness Test. This course is a part of the Army ROTC program offered by Marquette University through a cross-town partnership agreement.
Prerequisites: MILS 301.
Offered: Spring.

MILS 303 | Air Force Leadership Studies I | 3 cr
Examines the leadership and quality management fundamentals, professional knowledge, leadership ethics, and communication skills required of an Air Force Officer.
Prerequisites: Concurrent enrollment in MILS 100.
Offered: Fall.

MILS 304 | Air Force Leadership Studies II | 3 cr
Advances the examination of leadership and quality management fundamentals, professional knowledge, leadership ethics, and communication skills required of an Air Force Officer.
Prerequisites: Concurrent enrollment in MILS 100.
Offered: Spring.

MILS 310 | Adaptive Team Leadership | 3 cr
Covers the study, practice and application Army leadership in team or squad situations. Introduces to the Leader Development Program and how to plan and conduct individual and small unit training. This course is a part of the Army ROTC program offered by Marquette University through a cross-town partnership agreement.
Prerequisites: MILS 220.
Offered: Fall.

MILS 320 | Leadership and Ethical Decision-Making | 3 cr
Provides development as a leader through applied training in interpersonal communication; values, and ethical decision-making. This course is a part of the Army ROTC program offered by Marquette University through a cross-town partnership agreement.
Prerequisites: MILS 310.
Offered: Spring.

MILS 401 | Military Physical Training VII | 1 cr
Provides goal-oriented, small unit approach to physical conditioning and military drill. Focuses on strength, mobility and endurance development, measured by the Army Physical Fitness Test. This course is a part of the Army ROTC program offered by Marquette University through a cross-town partnership agreement.
Prerequisites: MILS 302.
Offered: Spring.

MILS 402 | Military Physical Training VIII | 1 cr
Provides goal-oriented, small unit approach to physical conditioning and military drill. Focuses on strength, mobility and endurance development, measured by the Army Physical Fitness Test. This course is a part of the Army ROTC program offered by Marquette University through a cross-town partnership agreement.
Prerequisites: MILS 401.
Offered: Spring.

MILS 403 | National Security Affairs, Preparation for Active Duty I | 3 cr
Examines the national security process, regional studies, and formulation of American defense policy, strategy and joint doctrine.
Prerequisites: Concurrent enrollment in MILS 100.
Offered: Fall.

MILS 404 | National Security Affairs, Preparation for Active Duty II | 3 cr
Advances the examination of the national security process, regional studies, and formulation of American defense policy, strategy and joint doctrine.
Prerequisites: Concurrent enrollment in MILS 100.
Offered: Spring.

MILS 410 | Applied Leadership I | 2 cr
Focuses on the Military Decision Making Process, the Army's Training Management System, and ethical leadership and decision-making. Includes training, counseling and evaluating within "army context" and ethics. This course is a part of the Army ROTC program offered by Marquette University through a cross-town partnership agreement.
Prerequisites: MILS 320.
Offered: Fall.

MILS 420 | Applied Leadership II | 2 cr
Examines legal aspects of decision-making and leadership, operations from the tactical to strategic level, administrative and logistical management as students/cadets transition to Army lieutenant. This course is a part of the Army ROTC program offered by Marquette University through a cross-town partnership agreement.
Prerequisites: MILS 410.
Offered: Spring.

MILS 499 | Independent Study | 1-3 cr
Provides individual instruction on topics in Military Studies under faculty supervision.
Prerequisites: Consent of Director of the Center for Professional Studies.
Offered: Fall, Spring.

Military Leadership Minor

Department website (https://www.uwp.edu/learn/programs/militaryleadershipminor.cfm)

College: College of Social Sciences & Professional Studies

The military leadership minor promotes the development of undergraduate students in the area of small group leadership. The goal is to prepare students and future Officers in the United States Army to serve effectively in formal and informal leadership roles. The minor reinforces understanding and application of Army Leadership strategies, critical decision-making methodologies, and physical and mental fitness excellence. Competencies include an in-depth understanding of small unit tactics, land navigation and field training, operations and logistical planning, team building, and peer-to-peer counseling. The core courses in the minor are sequences to meet the increasingly complex sets of outcomes-based instruction across cognitive, personal development, and group/organizational domains required for the Army Reserve Officers' Training Corps program.

Requirements for the Military Leadership Minor

Students seeking a minor in military leadership must be approved by the director of the Center for Professional Studies, be seeking commission to the United States Army, and enrolled in the Army ROTC program.

Code	Title	Credits
Required Core Courses		
MILS 110	Military Leadership I	1
MILS 120	Military Leadership II	1
MILS 210	Tactical Leadership	2
MILS 220	Military Leadership in the Contemporary Environment	2
MILS 310	Adaptive Team Leadership	3
MILS 320	Leadership and Ethical Decision-Making	3
MILS 410	Applied Leadership I	2
MILS 420	Applied Leadership II	2
Military History Course		
Select one of the following:		3
HIST 326	Age of Napoleon, 1770-1825	
HIST 342	The American Civil War	
Special Topics courses can be used only for the topics listed below. An Executive Action form will need to be submitted by the department.		
HIST 260 World War I or World War II only		
HIST 290 Cold War America only		
Marquette University course offered through the ROTC program [1]		
MISL 1800 American Crucible: The Military and the Development of the United States		
Elective Course		
Select one of the following:		3
GEOG 105	Contemporary Human Geography	
GEOG 250	Map Use and Analysis	
HIST 260	International Conflict	
INTS 100	Introduction to International Studies	
PHIL 206	Introduction to Ethics	
POLS 100	American Politics	
POLS 217	Tactical Decision Making	
POLS 224	American Foreign Policy	
POLS 317	Strategic Decision Making	
SOCA 101	Introduction to Sociology	
Total Credits		**22**

[1] Students wishing to use the Marquette University MISL 1800 course must have their official transcript from Marquette sent to the UW-Parkside Admissions Office for transfer evaluation. See the Transfer Credit Policies in the academic catalog for more information.

University Requirements for Minors

Course work in the minor must be completed with the minimum GPA as specified by the department or program under which the minor falls, usually a 2.00 on a 4.00 scale, but higher in some programs. Transfer students must attain the minimum specified GPA on a combination of transfer credits accepted toward the minor and credits attempted at UW-Parkside.

At least half of the course work required for a minor must be completed at UW-Parkside.

eSports and Gaming Certificate

College: College of Social Sciences & Professional Studies

The eSports and Gaming Certificate focuses on providing students with decision making skills at all levels: tactical, strategic, and competitive. This provides a theoretical framework for understanding the decisions

they will need to make as players, competitors, and teams. It will also help them develop the skills to transfer their decision making into a career through the principles of entrepreneurship. And, the certificate will help them see the place of sport – traditional and electronic – in our society. Whatever a gamer chooses to major in, the skills learned in the eSports and Gaming Certificate will help them succeed in the gaming arena and in life.

Program Learning Outcomes

1. Identify, interpret, and use oral, written, visual, and nonverbal communication skills that are effective in diverse contexts.
2. Demonstrate professional behaviors in interdisciplinary and diverse team environments as they relate to esports.
3. Examine, appraise, and execute ethical best practices in esports.
4. Identify, articulate, appraise, and analyze the impact esports.
5. Demonstrate the ability to work within a team structure to achieve group goals.
6. Demonstrate the ability to integrate tactical and strategic decision making.

Requirements for the eSports and Gaming Certificate

Code	Title	Credits
Required Courses		
CPS 107	Introduction to Esports	1
POLS 217	Tactical Decision Making [1]	3
or POLS 317	Strategic Decision Making	
Choose two courses from the following:		*2*
PE 181	Sports Games	
PE 182	Tactical Games	
PE 183	Action Games	
Elective Courses		**6**
Choose two courses from the following:		6
POLS 317	Strategic Decision Making [1]	
or POLS 217	Tactical Decision Making	
SPMT 200	Ethics and Issues in Sport Management	
SPMT 210	Sport in Society	
SPMT 241	Personal Branding and NIL	
SPMT 315	The Business of E-Sports	
Total Credits		**12**

[1] A course can be applied to only one requirement within the certificate.

University Requirements for Undergraduate Certificates

Course work in a certificate must be completed with a minimum 2.00 GPA. Departments or programs may require a higher GPA.

A minimum of 9 credits in a certificate program must be taken at UW-Parkside. Individual departments and programs may require more than 9 credits to be taken at UW-Parkside.

Psychology, Professional Counseling, and Neuroscience

Department website (https://www.uwp.edu/learn/departments/psychology/)

College: College of Natural & Health Sciences

Student Organizations/Clubs:

Psi Chi, Psychology Club

Up-to-date information can be found on the Psychology Department website (https://www.uwp.edu/learn/departments/psychology/).

Career Possibilities:

Typical bachelor's level careers in mental health and criminal justice settings include hospitals, half-way houses/group homes, parole and probation, and hospice programs. Some public sector and business-related careers involve personnel testing, advertising, and human resources. For those who obtain a master's or Ph.D. degree, career opportunities and pay expand significantly; jobs are available in mental health as well as research, teaching, and business. Some of the mental health careers for individuals with graduate degrees are clinical psychologist, social worker, professional counselor, marriage and family counselor, and school psychologist.

Department Overview

The psychology major provides a broadly based education in the content, methods, principles, and theories of the science of psychology. The required courses in the major expose students to the traditional important subject areas of psychology. The elective courses in the major allow students the flexibility to pursue their own interests and goals.

Students who are considering psychology as a major should speak with a psychology advisor early in their education. This will allow them to develop a long-range plan that best meets their educational and career goals. Students whose interests are in the social service and mental health areas should consider the Certificate in Mental Health Skills. Students whose interests are in research should consider the Certificate in Psychological Research. Students with interests in graduate school in psychological neuroscience should consider the Concentration in Neuroscience and/or the Certificate in Neuroscience.

Students who intend to pursue graduate study in psychology or a related field should discuss this with their advisor as early as possible to develop a plan of study that will prepare them for graduate school. These students should plan to take more than the minimum 39 credits in psychology required for the major. They are also encouraged to complete at least one of the three certificates and to participate in PSYC 494 Psychology Internship or PSYC 499 Independent Study under the guidance of a member of the department.

Students majoring in psychology may be eligible for membership in Psi Chi, the national honor society in psychology. Psychology Club is a student organization that sponsors activities of broad interest to psychology students (e.g., workshops on graduate school and discussions of employment opportunities). Contact Dr. Hillard for information about how to join Psi Chi and/or the Psychology Club.

Program Level Outcomes

The Psychology Department has four major learning goals we expect our students to attain. They are:

- Communication: Students successfully communicate psychology-related material.
- Critical Thinking: Students apply critical thinking skills to reading scholarly material and writing a scholarly paper.
- Social and Personal Responsibility: Students apply psychological principles.
- Content Knowledge: Students can explain the major theories and research findings major areas of psychology.

Programs Offered

- Psychology Major (BS) (p. 302)
- Psychology Major Online Degree Completion Program (BS) (p. 305)
- Health Psychology Minor (p. 305)
- Psychology Minor (p. 306)
- Child and Adolescent Development Certificate (p. 306)
- Mental Health Skills Certificate (p. 307)
- Neuroscience Certificate (p. 307)
- Psychological Research Certificate (p. 308)

Psychology Major Concentration

- Neuroscience

Courses in Psychology

PSYC 101 | Introduction to Psychological Science | 3 cr
Introduces the scientific study of mind and behavior, providing coverage of the major areas of research in psychology, including thinking, social interaction, human development, the nervous systems, abnormal psychology, personality, learning, the history and applications of psychological science, and others.
Prerequisites: ENGL 100 or concurrent registration.
Offered: Fall, Spring.
Meets: Social & Behavioral Science: PSYC, Social & Behavioral Science: PSYC, Social & Behavioral Science: PSYC, Social & Behavioral Science: PSYC, Social & Behavioral Science: PSYC

PSYC 200 | Introduction to Neuroscience | 3 cr
Explores the structure and function of the nervous system from the molecular and cellular levels to the systems level. Includes signaling mechanisms, sensory systems, motor systems, language, emotion, neurodegeneration and psychopathology.
Prerequisites: ENGL 100 or concurrent enrollment.
Offered: Fall, Spring.

PSYC 205 | Cognitive Psychology | 3 cr
Covers theory and research of human cognitive processes including perception, attention, visual cognition, learning, memory, language, decision making, problem solving, intelligence, and social cognition.
Prerequisites: PSYC 101.
Offered: Fall.

PSYC 210 | Introduction to Human Development | 3 cr
Covers theories, concepts, and research pertaining to human development throughout the lifespan including biological, cognitive, emotional and social development..
Prerequisites: PSYC 101.
Offered: Fall, Spring.

PSYC 220 | Social Psychology | 3 cr
Studies the individual in social contexts including person perception, attribution processes, the self, interpersonal attraction, attitude formation, aggression, prosocial behavior and social influence.
Prerequisites: PSYC 101.
Offered: Fall, Spring.

PSYC 241 | Psychology of Aging | 3 cr
Survey of research and theory on the human aging process including physical, cognitive, and social sciences.
Prerequisites: PSYC 101.
Offered: Spring.

PSYC 250 | Psychological Statistics | 3 cr
Application of descriptive and inferential statistics to the research problems of psychology. Projects include computer analysis of data.
Prerequisites: PSYC 101, completion of computational skills requirement.
Offered: Fall, Spring.

PSYC 260 | Psychology of Personality | 3 cr
Theories, models, and conceptions of personality, methods of studying personality, and research findings.
Prerequisites: PSYC 101.
Offered: Fall, Spring.

PSYC 275 | Job Search and Work-Life Transitions | 3 cr
Explores and applies job search, career self-management, and career-life preparedness strategies. Includes developing purposeful goals and plans, identifying job opportunities, professional communication and relationships, and navigating work-life transitions. Requires fees.
Prerequisites: At least Junior standing.
Offered: Fall, Spring.
Meets: Social & Behavioral Science: PSYC, Social & Behavioral Science: PSYC, Social & Behavioral Science: PSYC, Social & Behavioral Science: PSYC, Social & Behavioral Science: PSYC

PSYC 280 | Psychology of Gender | 3 cr
Research on the effects of gender on cognition, personality, emotions, interpersonal relations, labor-force participation and behavior. Theories of gender role development and gender typing are examined. Not open to those with credit in PSYC 380.
Prerequisites: PSYC 101.
Offered: Fall, Spring.

PSYC 290 | Special Topics in Psychology | 1-4 cr
Selected topics in psychology.
Prerequisites: PSYC 101.
Offered: Occasionally.

PSYC 300 | Research Methods in Psychology | 3 cr
Analyzes scientific methods in psychology. Includes research design, data collection and interpretation, computer-based statistical analysis, and writing research reports.
Prerequisites: PSYC 250 or BIOS 210, completion of Reading/Writing skills.
Offered: Fall, Spring.

PSYC 301 | Learning and Memory | 3 cr
Examine theory and research of human learning and memory. Explores learning through classical and operant conditioning, observational learning, and classroom learning. Covers procedural memory, semantic memory, and episodic memory.
Prerequisites: PSYC 205, PSYC 300.
Offered: Spring.

PSYC 304 | Language Development | 3 cr
The child's development of the sounds, grammar, meanings, and social knowledge that underlie the ability to use language; theories of language acquisition; and the relation of oral language to the acquisition of literacy.
Prerequisites: PSYC 300 or ENGL 287.
Offered: Occasionally.

PSYC 306 | Sensation and Perception | 3 cr
Examines the sensory organs and perceptual mechanisms used in vision, hearing, touch, taste, and smell. Emphasizes vision and audition.
Prerequisites: PSYC 205 and PSYC 300.
Offered: Fall.

PSYC 307 | Cross Cultural Psychology | 3 cr
Examines research and theories on culture influences human development, social interactions and perceptions. Discusses the self and psychological functioning.
Prerequisites: PSYC 220 or PSYC 260.
Offered: Fall.
Meets: Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity

PSYC 318 | Psychological Assessment | 3 cr
Assessment of individual characteristics including issues related to measurement, test construction, test usage, reliability and validity, and specialized applications.
Prerequisites: PSYC 101, PSYC 250.
Offered: Fall.

PSYC 324 | Child and Adolescent Psychopathology | 3 cr
Surveys the field of child and adolescent psychopathology. Examines historical factors and contemporary approaches to mental disorders in children and adolescents.
Prerequisites: PSYC 210 or permission of the instructor.
Offered: Fall.

PSYC 325 | Biological Psychology | 3 cr
Covers brain structure, neural communication, the neural control of movement, the biological basis of complex behaviors (such as sleep, learning, memory, sex, language, and addiction), emotion, and psychological disorders.
Prerequisites: PSYC 101 or BIOS 101.
Offered: Fall.

PSYC 326 | Cognitive Neuroscience | 3 cr
Covers how cognitive processes are explained by the structure and function of the brain. Includes neuroanatomy, research methods, and other areas such as perceptual processing, object recognition, language, memory, emotion, and attention. Requires fees.
Prerequisites: PSYC 205 and PSYC 300; or consent of instructor.
Offered: Spring.

PSYC 327 | Neuropsychology | 3 cr
Covers brain structure and function using clinical case studies as the primary source of information. Includes basic neuroanatomy, behavioral disorders, severe neuropsychiatric conditions, neuropsychological testing, emotion, language, thought, and memory.
Prerequisites: PSYC 200 or consent of instructor.
Offered: Fall.

PSYC 328 | Psychopharmacology | 3 cr
Covers the basic principles of psychopharmacology, including how drugs influence psychological phenomena, how and why drugs are used for treatment for psychopathological and neuropsychological conditions, mechanisms of addiction, tolerance and abuse, the social, recreational and religious context, and the history of substance abuse.
Prerequisites: PSYC 200 or consent of instructor.
Offered: Fall.

PSYC 329 | Brain Development and Plasticity | 3 cr
Covers neuroplasticity form a predominantly behavioral perspective. Includes neural development of the human brain, implications for psychological and social behavior, neuroplasticity of the brain with respect to both learning and aging, and brain repair after acquired brain injury. Community-based learning designation.
Prerequisites: PSYC 200 or consent of instructor.
Offered: Spring.
Meets: Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning

PSYC 330 | Interviewing | 3 cr
Introduces interviewing in mental health counseling and the human service professions. Explores basic interviewing skills, uses and forms of interviewing, problems of interview communication, behavioral processes, and emotions in counseling.
Prerequisites: PSYC 205 or PSYC 210 or PSYC 220 or PSYC 260.
Offered: Fall.

PSYC 334 | Infant Development | 3 cr
Covers advanced theories, concepts, and research pertaining to human development during the first three years of life, including physical, motor, perceptual, cognitive, and social development, with focus on early mechanisms of change.
Prerequisites: PSYC 210, PSYC 300.
Offered: Occasionally.

PSYC 337 | Child Development | 3 cr
Introduces questions, approaches, and empirical findings in the field of child developmental psychology through middle childhood. Examines major theories and research in order to comprehensively understand children's physical, language, cognitive, social, and emotional development.
Prerequisites: PSYC 210, PSYC 300.
Offered: Occasionally.

PSYC 339 | Adolescent Development | 3 cr
Examines theory and research relating to biological, cognitive, social, and emotional influences on development in the second decade of life across multiple contexts. Focuses on the developmental tasks of adolescence, such as forming an identity and developing mature relations with peers, family, and possible mates.
Prerequisites: PSYC 210, PSYC 300.
Offered: Occasionally.

PSYC 352 | Crisis Intervention | 3 cr
Introduces theory and practice of crisis intervention in the helping professions. Covers the principles of crisis counseling, including skills and approaches to working with survivors of acute, chronic, and complex trauma.
Prerequisites: PSYC 330 or concurrent enrollment.
Offered: Fall.

PSYC 360 | Psychopathology | 3 cr
Examines mental and behavioral disorders including theoretical models, diagnosis and classification, research findings, and treatment approaches.
Prerequisites: One of: PSYC 205, PSYC 210, PSYC 220 or PSYC 260.
Offered: Spring.

PSYC 362 | Theories of Psychotherapy | 3 cr
Compares major, systematic approaches to psychotherapy. Integrates case study analyses with theory. Includes research findings on the process and outcome of psychotherapy.
Prerequisites: PSYC 205 or PSYC 210 or PSYC 220 or PSYC 260.
Offered: Yearly.

PSYC 363 | Health Psychology | 3 cr
Explores major theoretical approaches, research findings, and principles of health psychology including stress and coping; and the role of lifestyle, personality, and social support in health and illness. Considers links between psychology and specific diseases.
Prerequisites: PSYC 220 or PSYC 260.
Offered: Spring.

PSYC 380 | Psychology of Gender | 3 cr
Explores research on the effects of gender on cognition, personality, emotions, interpersonal relations, labor-force participation and behavior. Examines theories of gender role development and gender typing. Not available to students with credit in PSYC 280.
Prerequisites: PSYC 220 and either PSYC 300 or SOCA 295.
Offered: Fall, Spring.

PSYC 390 | Special Topics in Psychology | 1-4 cr
Examines selected topics in psychology.
Prerequisites: Varies by topic.
Offered: Occasionally.

PSYC 420 | Neuroanatomy | 3 cr
Covers the structure of the nervous system and the major sensory, motor, and integrative neural systems. Explores the anatomical and physiological bases of multiple disorders of the nervous system.
Prerequisites: PSYC 200 or consent of instructor.
Offered: Spring.

PSYC 421 | The Self | 3 cr
Explores the self from a social psychological perspective. Examines theories and research on the self and teaches verbal and written communication skills.
Prerequisites: PSYC 220 and PSYC 300.
Offered: Occasionally.

PSYC 431 | Counseling Psychology | 3 cr
Delves into fundamental techniques of counseling, including assessment of client problems, exploration of behavioral alternatives, applying psychological principles to effect change, and counseling relationship skills.
Prerequisites: PSYC 330 or PSYC 362.
Offered: Spring.

PSYC 441 | Advanced Human Development Seminar | 3 cr
Focuses on a specific developmental topic such as moral development, adult cognitive development, Piagetian theory, etc. Incorporates advanced methodological issues, research reports, and primary theoretical sources.
Prerequisites: PSYC 210, PSYC 300.
Offered: Occasionally.

PSYC 490 | Special Topics in Psychology | 1-4 cr
Examines selected advanced topics in psychology. May be repeated with different topic.
Prerequisites: Varies by topic.
Offered: Occasionally.

PSYC 491 | Senior Capstone in Neuroscience | 3 cr
Covers concepts in the field of neuroscience. Includes neuroanatomy and a critical analysis of the current research in neuroscience. Provides students opportunity for identifying and thinking critically about current topics in neuroscience and applying these skills in writing, presentations, and discussions.
Prerequisites: PSYC 200, PSYC 420; and junior or senior; or consent of instructor.
Offered: Occasionally.

PSYC 492 | Psychology Research Seminar | 3 cr
Provides hands-on experience working collectively with faculty and other students on faculty and student research projects. Includes designing, administering, analyzing and reporting original empirical research in psychology. Community-based learning designation.
Prerequisites: PSYC 300 and consent of instructor.
Offered: Spring.
Meets: Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning

PSYC 494 | Psychology Internship | 1-6 cr
Provides the opportunity for supervised experience in the field of psychology.
Prerequisites: 18 credits in psychology and consent of instructor and department chair.
Offered: Occasionally.

PSYC 495 | Psychology Senior Seminar | 3 cr
Discussion on ethical, methodological, historical, and/or philosophical issues in psychology, based on readings in psychology research, practice, and theory.
Prerequisites: PSYC 300 and 24 psychology credits, 85 degree credits and consent of instructor.
Offered: Fall, Spring.

PSYC 497 | Thesis in Psychology | 1-3 cr
Prerequisites: Consent of instructor.

PSYC 499 | Independent Study | 1-6 cr
Participation in research activities under the direction of a faculty member.
Prerequisites: PSYC 300, consent of instructor and department chair.
Offered: Fall, Spring.

Psychology Major (BS)

Department website (https://www.uwp.edu/learn/programs/psychology.cfm)

College: College of Natural & Health Sciences

The psychology major provides a broadly based education in the content, methods, principles, and theories of the science of psychology. The required courses in the major expose students to the traditional important subject areas of psychology. The elective courses in the major allow students the flexibility to pursue their own interests and goals.

Students who are considering psychology as a major should speak with a psychology adviser early in their education. This will allow them to

develop a long-range plan that best meets their educational and career goals. Students whose interests are in the social service and mental health areas should consider the Certificate in Mental Health Skills. Students whose interests are in research should consider the Certificate in Psychological Research. Students with interests in graduate school in psychological neuroscience should consider the Concentration in Neuroscience and/or the Certificate in Neuroscience.

Students who intend to pursue graduate study in psychology or a related field should discuss this with their adviser as early as possible to develop a plan of study that will prepare them for graduate school. These students should plan to take more than the minimum 39 credits in psychology required for the major. They are also encouraged to complete at least one of the three certificates and to participate in PSYC 494 Psychology Internship or PSYC 499 Independent Study under the guidance of a member of the department.

Students majoring in psychology may be eligible for membership in Psi Chi, the national honor society in psychology. Psychology Club is a student organization that sponsors activities of broad interest to psychology students (e.g., workshops on graduate school and discussions of employment opportunities). Contact Dr. Hillard for information about how to join Psi Chi and/or the Psychology Club.

Program Learning Outcomes

1. Communication: Students successfully communicate psychology-related material.
2. Critical Thinking: Students apply critical thinking skills to reading scholarly material and writing a scholarly paper.
3. Social and Personal Responsibility: Students apply psychological principles.
4. Content Knowledge: Students can explain the major theories and research findings major areas of psychology.

Minimum 2.50 GPA in all courses used in the major (including transfer credits).

Code	Title	Credits
College of Natural and Health Sciences requirement		
New entering students, and transfer students with less than 30 college credits, choosing a major in the College of Natural and Health Sciences are required to take this course.		
UWP 101	First Year Seminar: Natural and Health Sciences	1
Core Courses		
PSYC 101	Introduction to Psychological Science	3
PSYC 250	Psychological Statistics	3
PSYC 300	Research Methods in Psychology	3
Breadth Courses		
PSYC 200	Introduction to Neuroscience	3
PSYC 205	Cognitive Psychology	3
PSYC 210	Introduction to Human Development	3
PSYC 220	Social Psychology	3
Completion Options		
Choose one option		18-31
Total Credits		**40-53**

Completion Options

General Psychology Major

Code	Title	Credits
Depth Courses		
Select fifteen credits of PSYC courses numbered 301 and above [1]		15
Elective Courses		
Select three credits of any 200-level, 300-level, or 400-level PSYC course that is not required for the major		3
Total Credits		**18**

[1] **not** including PSYC 494 Psychology Internship or PSYC 499 Independent Study.

Neuroscience Concentration

The neuroscience concentration will provide students with an interdisciplinary perspective on the emerging area of neuroscience research. The neuroscience concentration will provide students with the background and critical thinking skills necessary to prepare for graduate programs in neuroscience and career opportunities in a diverse range of scientific research and medical fields.

Students must have completed PSYC 200 Introduction to Neuroscience with a B-minus or better to declare this concentration.

Code	Title	Credits
Required Course		
PSYC 420	Neuroanatomy	3
Select six of the following courses:		**18**
PSYC 301	Learning and Memory	
PSYC 306	Sensation and Perception	
PSYC 325	Biological Psychology	
PSYC 326	Cognitive Neuroscience	
PSYC 327	Neuropsychology	
PSYC 328	Psychopharmacology	
PSYC 329	Brain Development and Plasticity	
PSYC 360	Psychopathology	
PSYC 491	Senior Capstone in Neuroscience	
Interdisciplinary Electives		
Choose one group		8-10
Chemistry Group		
CHEM 101	General Chemistry I	
CHEM 103	General Chemistry Lab I	
CHEM 102	General Chemistry II	
CHEM 104	General Chemistry Lab II	
Biology Group		
BIOS 101	Bioscience	
BIOS 102	Organismal Biology	
Physics Group		
PHYS 201	General Physics I	
PHYS 202	General Physics II	
Math Group		
MATH 221	Calculus and Analytic Geometry I	
MATH 222	Calculus and Analytic Geometry II	
Total Credits		**29-31**

General University Degree Requirements (Bachelor's Degree)

In addition to individual program requirements, students must also fulfill the following requirements:

Requirement	Credits
Skills	7-8
General Education	36
Foreign Language**	6-8
Ethnic Diversity	3
Total	52-55

** Transfer students in sustainable management, and health information management and technology collaborative, online degree-completion programs, the business management online degree-completion program, and the flexible option degree-completion program will be exempt from the university's foreign language requirement. See appropriate academic section for further information.

Skills Requirement (p. 13)

Code	Title	Credits
Reading and Writing		
ENGL 101	Composition and Reading	3
Computational Skills		
Select one of the following:		4-5
MATH 102	Quantitative Reasoning	
MATH 103	Elementary Statistics	
MATH 104	College Mathematics with Applications	
MATH 111	College Algebra I	
Total Credits		**7-8**

General Education (p. 13)

- General Education Course List (p. 157)

Foreign Language (p. 13)

Ethnic Diversity (p. 13)

Degree Requirements

Requirement	Credits
Minimum Total Credits	120
Upper Level Credits (300 level or above)	36
Residency	30

Cumulative Degree GPA: 2.0 minimum

Psychology with General Psychology Completion Option

Course	Title	Credits
Year 1		
Fall Semester		
ENGL 100	Fundamentals of English	3
MATH 104 or MATH 111	College Mathematics with Applications or College Algebra I	4-5
UWP 101	First Year Seminar: Natural and Health Sciences	1
General Education (HU)		3
General Education (SS)		3
	Credits	**14-15**
Spring Semester		
ENGL 101	Composition and Reading	3
PSYC 101	Introduction to Psychological Science	3
General Education (HU)		3
General Education (NS)		3
General Education (SS)		3
	Credits	**15**
	Total Credits	**29-30**

Course	Title	Credits
Year 2		
Fall Semester		
PSYC 205	Cognitive Psychology	3
PSYC 210	Introduction to Human Development	3
General Education (HU)		3
General Education (NS)		3
Introductory Language		4
	Credits	**16**
Spring Semester		
PSYC 220	Social Psychology	3
PSYC 250	Psychological Statistics	3
General Education (HU)		3
General Education (NS)		3
Introductory Language		4
	Credits	**16**
	Total Credits	**32**

Course	Title	Credits
Year 3		
Fall Semester		
PSYC 300	Research Methods in Psychology	3
PSYC 200	Introduction to Neuroscience	3
300/400 Level Psyc Elective		3
General Education (NS)		3
General Elective OR DV course (if needed)		3
	Credits	**15**
Spring Semester		
300/400 Level PSYC Elective		3
300/400 Level PSYC Elective		3
General Elective		3
300/400 Level General Elective		3
300/400 Level General Elective		3
	Credits	**15**
	Total Credits	**30**

Course	Title	Credits
Year 4		
Fall Semester		
300/400 Level PSYC Elective		3
300/400 Level General Elective		3
300/400 Level General Elective		3
General Education (SS)		3
General Elective		3
	Credits	**15**
Spring Semester		
PSYC Elective		3
300/400 Level General Elective		3
300/400 Level General Elective		3
General Elective		3

General Elective	3
Credits	**15**
Total Credits	**30**

Psychology Major Online Degree Completion Program (BS)

Department website (https://www.uwp.edu/learn/programs/psychologyonlinecompletion.cfm)

College: College of Natural & Health Sciences

1. Communication: Students successfully communicate psychology-related material.
2. Critical thinking: Students apply critical thinking skills to reading scholarly material and writing a scholarly paper.\\n
3. Social and personal responsibility: Students understand how psychological principles permeate our everyday lives in a multitude of ways.\\n
4. Content knowledge: Students understand the major theories and research findings of the major areas of psychology.\\n

Requirements for the Psychology Major Online Degree Completion Program

1. A minimum of 45 college credits required to be admitted to this program

2. Completion of the UW-Parkside skills requirement in English (The Math skills requirement must be met at the time of graduation)

3. Completion of PSYC 101 Introduction to Psychological Science with a passing grade

4. Completion of the UW-Parkside General Education requirements (students who have fewer than 5 General Education courses left to take may be considered for admission.)

To earn a bachelor of science with a major in psychology, students must meet all university requirements for the degree, all requirements for the major (see below), and have a minimum 2.50 GPA in all of their psychology course work (including transfer credits).

Code	Title	Credits
Core Courses		
PSYC 101	Introduction to Psychological Science	3
PSYC 250	Psychological Statistics	3
PSYC 300	Research Methods in Psychology	3
Breadth Courses		
PSYC 200	Introduction to Neuroscience	3
PSYC 205	Cognitive Psychology	3
PSYC 210	Introduction to Human Development	3
PSYC 220	Social Psychology	3
Depth Courses		
Select fifteen credits of PSYC courses numbered 301 and above [1]		15
Elective Courses		
Select three credits of any 200-level, 300-level, or 400-level PSYC course that is not required for the major		3
Total Credits		**39**

[1] **not** including PSYC 494 Psychology Internship or PSYC 499 Independent Study.

General University Degree Requirements (Bachelor's Degree)

In addition to individual program requirements, students must also fulfill the following requirements:

Requirement	Credits
Skills	7-8
General Education	36
Foreign Language**	6-8
Ethnic Diversity	3
Total	52-55

** Transfer students in sustainable management, and health information management and technology collaborative, online degree-completion programs, the business management online degree-completion program, and the flexible option degree-completion program will be exempt from the university's foreign language requirement. See appropriate academic section for further information.

Skills Requirement (p. 13)

Code	Title	Credits
Reading and Writing		
ENGL 101	Composition and Reading	3
Computational Skills		
Select one of the following:		4-5
MATH 102	Quantitative Reasoning	
MATH 103	Elementary Statistics	
MATH 104	College Mathematics with Applications	
MATH 111	College Algebra I	
Total Credits		**7-8**

General Education (p. 13)

- General Education Course List (p. 157)

Foreign Language (p. 13)

Ethnic Diversity (p. 13)

Degree Requirements

Requirement	Credits
Minimum Total Credits	120
Upper Level Credits (300 level or above)	36
Residency	30

Cumulative Degree GPA: 2.0 minimum

Health Psychology Minor

Department website (https://www.uwp.edu/learn/programs/healthpsych.cfm)

College: College of Natural & Health Sciences

The Psychology Department offers a minor in Health Psychology. The program was developed in combination and consultation with the Collaborative Nursing program and the College of Natural and Health Sciences. Although open to all students, the program is targeted to students pursuing Nursing, and the curriculum is designed to coordinate with the three-year pre-nursing track.

1. The minor offers an organized curriculum for students who wish to develop a core understanding of psychology.

The health psychology minor is not available to students that have earned or have declared a major in psychology.

Requirements for the Health Psychology Minor

Code	Title	Credits
Core Courses		
PSYC 101	Introduction to Psychological Science	3
PSYC 250	Psychological Statistics [1]	3
PSYC 300	Research Methods in Psychology [1]	3
Breadth Courses		
PSYC 210	Introduction to Human Development	3
PSYC 200	Introduction to Neuroscience	3
or PSYC 205	Cognitive Psychology	
or PSYC 220	Social Psychology	
Depth Courses		
PSYC 325	Biological Psychology	3
PSYC 360	Abnormal Psychology	3
PSYC 363	Health Psychology	3
Total Credits		**24**

[1] Minors may substitute an equivalent course in statistical or quantitative methods from their major for PSYC 250 Psychological Statistics. However, they still have to satisfy the 21 credit minimum requirement in Psychology. Minors may NOT substitute a research methods course from their major for PSYC 300 Research Methods in Psychology.

University Requirements for Minors

Course work in the minor must be completed with the minimum GPA as specified by the department or program under which the minor falls, usually a 2.00 on a 4.00 scale, but higher in some programs. Transfer students must attain the minimum specified GPA on a combination of transfer credits accepted toward the minor and credits attempted at UW-Parkside.

At least half of the course work required for a minor must be completed at UW-Parkside.

Psychology Minor

Department website (https://www.uwp.edu/learn/programs/psychologyminor.cfm)

College: College of Natural & Health Sciences

The minor program offers an organized curriculum for students who wish to develop a core understanding of psychology. The minor is not meant for students whose primary interest is the study of psychology. Instead, it is a complement to other fields of study where knowledge of psychology and its methods would be beneficial.

Requirements for the Psychology Minor

Code	Title	Credits
Core Courses		
PSYC 101	Introduction to Psychological Science	3
PSYC 250	Psychological Statistics [1]	3
PSYC 300	Research Methods in Psychology [1]	3
Breadth Courses		
Select two of the following:		6
PSYC 200	Introduction to Neuroscience	
PSYC 205	Cognitive Psychology	
PSYC 210	Introduction to Human Development	
PSYC 220	Social Psychology	
Depth Courses		
Select six credits of PSYC courses numbered 301 and above [2]		6
Total Credits		**21**

[1] Minors may substitute an equivalent course in statistical or quantitative methods from their major for PSYC 250 Psychological Statistics. However, they still have to satisfy the 21 credit minimum requirement in Psychology. Minors may NOT substitute a research methods course from their major for PSYC 300 Research Methods in Psychology.

[2] **not** including PSYC 494 Psychology Internship or PSYC 499 Independent Study.

University Requirements for Minors

Course work in the minor must be completed with the minimum GPA as specified by the department or program under which the minor falls, usually a 2.00 on a 4.00 scale, but higher in some programs. Transfer students must attain the minimum specified GPA on a combination of transfer credits accepted toward the minor and credits attempted at UW-Parkside.

At least half of the course work required for a minor must be completed at UW-Parkside.

Child and Adolescent Development Certificate

Department website (https://www.uwp.edu/learn/programs/childadolescentdev.cfm)

College: College of Natural & Health Sciences

1. The certificate in child and adolescent development is designed to
2. provide students with in-depth background and understanding of child and adolescent development as well as developmental research
3. train students in evaluation of developmental science as they engage in seminars and their own independent research project with one of the department's developmental psychologists.

4. The certificate is an innovative program designed to provide students a strong knowledge base in child and adolescent development in preparation for graduate programs in developmental psychology or counseling, or for work in a field related to child and adolescent development.

Requirements for the Child and Adolescent Development Certificate

To be admitted to the certificate program a B- or better is required in PSYC 210.

An overall 3.0 GPA in courses used to meet requirements is needed to earn this certificate.

Code	Title	Credits
Required Courses		
PSYC 210	Introduction to Human Development	3
PSYC 334	Infant Development	3
PSYC 337	Child Development	3
PSYC 339	Adolescent Development	3
Elective Courses		
Select 2 courses:		6
PSYC 441	Advanced Human Development Seminar	
PSYC 494	Psychology Internship	
PSYC 499	Independent Study	
Total Credits		**18**

University Requirements for Undergraduate Certificates

Course work in a certificate must be completed with a minimum 2.00 GPA. Departments or programs may require a higher GPA.

A minimum of 9 credits in a certificate program must be taken at UW-Parkside. Individual departments and programs may require more than 9 credits to be taken at UW-Parkside.

Mental Health Skills Certificate

Department website (https://www.uwp.edu/learn/programs/mentalhealthcert.cfm)

College: College of Natural & Health Sciences

The certificate program in mental health skills is an innovative program designed to teach students the kinds of applied skills necessary for successful entry-level employment in clinical settings.

Requirements for the Mental Health Skills Certificate

Code	Title	Credits
Core Courses		
PSYC 330	Interviewing	3
PSYC 360	Abnormal Psychology	3
PSYC 431	Counseling Psychology	3
Elective Psychology Course		
Select one of the following:		3
PSYC 318	Psychological Assessment	
PSYC 362	Theories of Psychotherapy	
PSYC 363	Health Psychology	
Elective Courses Outside Psychology		
Select six credits from a list of courses outside the program that address issues in diversity special populations, and social problems		6
Total Credits		**18**

Students must also submit a portfolio for review and approval, and have a minimum GPA of 3.0 in the completed courses. For further information about the program, contact one of the program advisors: Dr. Friesema or Dr. Carlstrom.

University Requirements for Undergraduate Certificates

Course work in a certificate must be completed with a minimum 2.00 GPA. Departments or programs may require a higher GPA.

A minimum of 9 credits in a certificate program must be taken at UW-Parkside. Individual departments and programs may require more than 9 credits to be taken at UW-Parkside.

Neuroscience Certificate

Department website (https://www.uwp.edu/learn/programs/neuroscience.cfm)

College: College of Natural & Health Sciences

The certificate is an innovative program designed to prepare students for graduate programs in psychological neuroscience.

1. Provide students with a comprehensive background in how psychological processes are produced by the brain.
2. Train students to critically evaluate neuroscience research reports in psychology and to generate and effectively communicate their own research plans.

Requirements for the Neuroscience Certificate

Before enrolling in the certificate, students must pass PSYC 200 Introduction to Neuroscience with a B- or better.

All courses that apply toward completion of the certificate must be passed with a minimum GPA of 3.0.

Code	Title	Credits
Required Courses		
PSYC 200	Introduction to Neuroscience	3
PSYC 420	Neuroanatomy	3
Electives		
Select three of the following:		9
PSYC 306	Sensation and Perception	
PSYC 325	Biological Psychology	
PSYC 326	Cognitive Neuroscience	
PSYC 327	Neuropsychology	
PSYC 328	Psychopharmacology	

PSYC 329	Brain Development and Plasticity	
Total Credits		**15**

Students must also submit a portfolio for review and approval.
For further information about the program, contact one of the program advisors: Dr. Gregg or Dr. Rivero Covelo.

University Requirements for Undergraduate Certificates

Course work in a certificate must be completed with a minimum 2.00 GPA. Departments or programs may require a higher GPA.

A minimum of 9 credits in a certificate program must be taken at UW-Parkside. Individual departments and programs may require more than 9 credits to be taken at UW-Parkside.

Psychological Research Certificate

Department website (https://www.uwp.edu/learn/programs/humanmeasurement.cfm)

College: College of Natural & Health Sciences

The objective of the Certificate in Psychological Research is to involve students in research, data analysis, and dissemination of findings. Students work closely with faculty members on research projects and data analysis, gaining valuable hands-on experience. These research experiences constitute high-impact practices teaching students the types of critical thinking skills highly valued by graduate programs. This training is also of value to individuals seeking careers in fields that require empirical and data analytic skills.

Requirements for the Psychological Research Certificate

The 12 credits in the required courses need to be passed with a minimum average GPA of 3.0.

Code	Title	Credits
Required Courses		
PSYC 492	Psychology Research Seminar	3
PSYC 499	Independent Study	6
Electives		
Select one of the following:		3
PSYC 326	Cognitive Neuroscience	
PSYC 334	Infant Development	
PSYC 339	Adolescent Development	
PSYC 380	Psychology of Gender	
PSYC 421	The Self	
Total Credits		**12**

A dissemination project is also required.
For further information about the program contact the program advisor Dr. Beyer.

University Requirements for Undergraduate Certificates

Course work in a certificate must be completed with a minimum 2.00 GPA. Departments or programs may require a higher GPA.

A minimum of 9 credits in a certificate program must be taken at UW-Parkside. Individual departments and programs may require more than 9 credits to be taken at UW-Parkside.

Sociology

Department website (https://www.uwp.edu/learn/departments/sociology/)

College: College of Social Sciences & Professional Studies

Student Organizations/Clubs:

Sociology Club

Career Possibilities:

- **Social services** - rehabilitation, case management, group work with youth or the elderly, recreation, or administration
- **Community work** - social service and nonprofit organizations, child-care or community development agencies, or environmental groups); corrections (probation, parole, or other criminal justice related field
- **Business** - advertising, marketing and consumer research, insurance, real estate, personnel work, training, or sales
- **College settings** - admissions, alumni relations, student placement or residence advising and supervision
- **Health services** - family planning, substance abuse counseling, rehabilitation counseling, health planning, hospital admissions, and insurance adjustment
- **Publishing, journalism, and public relations** - writing, research, and editing
- **Government** - federal, state, and local government jobs in such areas as transportation, housing, agriculture, labor, international development, and historic preservation

Department Overview

Sociology is the scientific study of people in interaction with each other. Interaction can be viewed from a macro perspective, as with nations who interact, either cooperatively, competitively or in conflict. Interactions can be studied on a smaller scale, e.g. within organizations that reflect our institutions such as economy, science, education or health. Or, interaction can be studied from a micro perspective, as in study of small group behaviors like the dyad or triad. The curriculum includes an understanding of the theories and methods used by sociologists, as well as substantive areas to which these theories and methods are applied.

Opportunities are available for the application of sociological knowledge and the use of critical thinking to clarify social problems and evaluate policies of public and private agencies. Students can choose to work in their communities as active participants toward social justice and change.

Preparation for Graduate School

Students who graduate with a bachelor's degree with a major in sociology are qualified to enter graduate and professional programs in many fields

such as sociology, social work, law enforcement, and public/social service administration.

Program Level Outcomes

Sociology offers a high quality program that promotes the ability to apply theory, produce research and engage in your community. The accomplishment of the departmental mission is reflected in the competencies students demonstrate before graduation.

Conceptual Competencies

1. Apply sociological concepts, theories, and perspectives on culture and society.
2. Demonstrate an understanding of cultures and societies in their own terms.
3. Appraise the impact of the social and physical environment on individual experience.
4. Assess and critique different sociological theoretical orientations.
5. Explain the process of theory construction.

Methodological Competencies

1. Demonstrate the connection between theory, methods, and realities.
2. Frame and execute a research project.
3. Record, interpret, and communicate quantitative and qualitative evidence.
4. Find, organize, and critically evaluate data/information (interpreting data outcomes and evaluating literature).
5. Apply the use of technology for achieving goals and tasks.

Civic Competencies

1. Promote the active exchange of ideas in a civil manner.
2. Employ sociological knowledge to address important issues locally and globally.
3. Gain competence in effective collaboration and teamwork.
4. Identify and confront ethnocentrism.

Programs Offered

- Sociology Major (BA) (p. 313)
- Sociology Major Online Degree Completion Program (BA) (p. 315)
- Sociology Minor (p. 317)
- Child and Family Advocacy Certificate (p. 317)
- Diversity and Inclusion Certificate (p. 318)
- Gerontology Certificate (p. 318)
- Health and Society Certificate (p. 319)
- Program Evaluation Certificate (p. 319)
- Social Justice Certificate (p. 320)
- Urban Studies Certificate (p. 320)

Courses in Sociology

SOCA 101 | Introduction to Sociology | 3 cr

Examines social relations, social organization, and social systems through the study of process, structure, and function.
Prerequisites: None.
Offered: Fall, Spring, Summer.
Meets: Social & Behavioral Science: SOCA, Social & Behavioral Science: SOCA, Social & Behavioral Science: SOCA, Social & Behavioral Science: SOCA, Social & Behavioral Science: SOCA

SOCA 107 | Diversity Circles | 1 cr

Small group dialogues that help students become aware of their own biases as well as understand the impact of racism in schools, communities and society. May be taken more than once for credit with different topic.
Offered: Fall, Spring.

SOCA 190 | Special Topics in Sociology | 1-3 cr

Examines selected topics in sociology and/or anthropology.
Prerequisites: None.
Offered: Fall, Spring, Summer.

SOCA 206 | Race and Ethnic Relations in the U.S. | 3 cr

Introduces the formation and dynamics of ethnic and race relations in the United States and their social consequences in terms of marginalizing people and the unfair distribution of their life chances. Fulfills Ethnic Diversity Requirement. Cross-listed with: ETHN 206.
Prerequisites: ANTH 100 or SOCA 101.
Offered: Fall, Spring, Summer.
Meets: Social & Behavioral Science: SOCA, Ethnic Diversity, Social & Behavioral Science: SOCA, Ethnic Diversity, Social & Behavioral Science: SOCA, Ethnic Diversity, Social & Behavioral Science: SOCA, Ethnic Diversity, Social & Behavioral Science: SOCA, Ethnic Diversity

SOCA 207 | Marriage and Family | 3 cr

Surveys nature and functions of the family; cross cultural and/or life course comparisons of marriage and family arrangements; gender role training; premarital and marital social and sexual activities, power dynamics, and other family processes.
Prerequisites: SOCA 101.
Offered: Fall, Spring, Summer.
Meets: Social & Behavioral Science: SOCA, Social & Behavioral Science: SOCA, Social & Behavioral Science: SOCA, Social & Behavioral Science: SOCA, Social & Behavioral Science: SOCA

SOCA 213 | Gender and Society | 3 cr

Explores theory and research on gender roles and gender stratification, focusing on political, economic, family and other settings. Includes historical, cross cultural and subcultural comparisons. Cross-listed with: WGSS 213.
Prerequisites: None.
Offered: Fall, Spring, Summer.

SOCA 216 | Social Issues in Substance Use and Abuse | 3 cr

Explores theory and research on substance abuse including legal (alcohol, tobacco) and controlled substances. Focuses on differences in patterns of chemical use within historical, cultural and class contexts. Includes a community project and provides CBL credit.
Prerequisites: SOCA 101.
Offered: Fall.
Meets: Social & Behavioral Science: SOCA, Community Based Learning, Social & Behavioral Science: SOCA, Community Based Learning, Social & Behavioral Science: SOCA, Community Based Learning, Social & Behavioral Science: SOCA, Community Based Learning, Social & Behavioral Science: SOCA, Community Based Learning

SOCA 227 | North American Indians | 3 cr

Surveys American Indian peoples of the United States and Canada focusing on various aspects of culture, history and recent culture change. Cross-listed with: ANTH 227.
Prerequisites: ANTH 100 or SOCA 101.
Offered: Fall (even years).
Meets: Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity

SOCA 233 | Criminology | 3 cr
Examines past and current theory and research including crime as a consequence of social, economic, political, and personal factors. Includes critique of approaches to prevention and correction.
Cross-listed with: CRMJ 233.
Prerequisites: CRMJ 101 or SOCA 101 or consent of instructor.
Offered: Fall.

SOCA 234 | Juvenile Delinquency and Juvenile Justice | 3 cr
Covers conceptions of juvenile delinquency; the offender in the juvenile justice system; the philosophy, structure and function of juvenile courts; the philosophy, development, and organization of diversion, detention and treatment of the juvenile offender. Cross-listed with: CRMJ 234.
Prerequisites: CRMJ 101 or SOCA 101, or consent of instructor.
Offered: Fall, Spring.

SOCA 235 | Police and Society | 3 cr
Studies the various levels, roles and functions of law enforcement in America; evaluates the nature and responsibilities of law enforcement including police accountability and civil liability. Examines the racial, ethnic, and gender issues in law enforcement. Cross-listed with: CRMJ 235.
Prerequisites: CRMJ 101 or SOCA 101, or consent of instructor.
Offered: Fall, Spring.

SOCA 248 | Report Writing for the Social Sciences | 3 cr
Covers research report writing with the ability to demonstrate an understanding for the relationship among argument, evidence, conclusion, concepts, methods, and theoretical orientations in sociology. Focuses on understanding the format of research papers and improving writing ability. Community-based learning designation.
Prerequisites: SOCA 101; ENGL 101 with a grade of C+ or better.
Offered: Fall, Spring.
Meets: Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning

SOCA 250 | Statistics for the Social Sciences | 4 cr
Introduces descriptive and inferential statistics as applied to measurements of behavior. Focuses on statistical computation, analysis, and interpretation of data using scientific calculator and SPSS statistical software. Examines quantitative solutions and computer output that can be applied in business and social service settings.
Prerequisites: Computational skills, MATH 102 or 104 or 111.
Offered: Fall.

SOCA 290 | Special Topics in Sociology | 1-3 cr
Examines selected topics in sociology.
Prerequisites: SOCA 101.
Offered: Occasionally.

SOCA 295 | Social Science Research Methods | 3 cr
Introduces philosophies, methods and problems of social research; sampling and data collection techniques; questionnaire construction, interviewing techniques, field methods, and content analysis.
Prerequisites: ANTH 100 or SOCA 101; sophomore standing.
Offered: Fall, Spring.

SOCA 300 | Topics in Data Collection and Analysis | 1-3 cr
Develops skills in specific methods of data collection and analysis in sociology. Topics will vary. May be repeated with a different topic.
Prerequisites: SOCA 295.
Offered: Fall, Spring, Summer.

SOCA 301 | Sociological Theory | 3 cr
Explores major sociological concepts and theories, and their application in the analysis of social structures and processes.
Prerequisites: ANTH 100 or SOCA 101; junior standing.
Offered: Fall, Spring.

SOCA 303 | Program Evaluation | 3 cr
Applies theory and methods of program evaluation including measuring and evaluating program outcomes; analyzing community needs; and assessing program impacts. Community-based learning designation.
Prerequisites: SOCA 101.
Offered: Yearly.
Meets: Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning

SOCA 304 | Skill Development in Leadership | 1 cr
Provides training in an aspect of grass-roots leadership, focusing on sociological perspectives. Includes grant writing, team building, and working with media, emphasizing different areas in different semesters. May be repeated for credit.
Prerequisites: ANTH 100 or SOCA 101; junior standing.
Offered: Occasionally.

SOCA 305 | Family Violence | 3 cr
Examines the criminal justice response to family violence, including child abuse, spousal abuse, elder abuse, and date rape. Explores prevalence and extent of family violence as well as strategies for treatment and prevention. Cross-listed with: CRMJ 305.
Prerequisites: CRMJ 101 or SOCA 101.
Offered: Fall.

SOCA 306 | Research in Community Needs | 3 cr
Explores assessment of the needs of a community or environment using the methods of evaluation research. Community-based learning designation.
Prerequisites: ANTH 100 or SOCA 101; junior standing.
Offered: Occasionally.
Meets: Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning

SOCA 307 | Survey Methods | 3 cr
Explores survey research including data collection and data analysis. Multi-career cross-listing: MAPS 507.
Prerequisites: SOCA 295.
Offered: Fall, Spring.

SOCA 319 | Death and Dying | 3 cr
Investigates patterns of behavior and beliefs about death, dying, and bereavement from a sociological perspective. Examines medical, legal, and ethical issues.
Prerequisites: ANTH 100 or SOCA 101.
Offered: Spring.

SOCA 320 | Sociological Social Psychology | 3 cr
Examines the role of larger society in constructing and defining our day-to-day interactions and the relationship between group structures and processes, particularly issues of social inequality.
Prerequisites: SOCA 101 and three additional credits in sociology.
Offered: Fall (even years).

SOCA 321 | Religion and Society | 3 cr
Provides comparative study of religion and society with an emphasis on the major religious traditions. Examines the relationship between religions, beliefs and social values.
Prerequisites: ANTH 100 or SOCA 101.
Offered: Occasionally.

SOCA 322 | Sociology of Language and Knowledge | 3 cr
Introduces the concepts, theoretical frameworks and concerns of sociological linguistics, emphasizing ethnomethodology, language planning, and cultural politics affecting linguistic minorities.
Prerequisites: SOCA 101.
Offered: Occasionally.

SOCA 323 | Institutional Racism in America | 3 cr
Examines racism within various institutions such as public government bodies, private business, and universities. Outlines political, social, ecological, and economic effects of racism. Fulfills Ethnic Diversity Requirement. Multi-career cross-listing: MAPS 523.
Prerequisites: ANTH 100 or SOCA 101.
Offered: Fall, Spring.
Meets: Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity

SOCA 324 | African-American Studies | 3 cr
Examines the experiences of African Americans, both current and historical, using a variety of theoretical models and perspectives. Includes macro-level contexts of those experiences. Fulfills Ethnic Diversity Requirement.
Prerequisites: ANTH 100 or SOCA 101.
Offered: Occasionally.
Meets: Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity

SOCA 326 | Social Gerontology | 3 cr
Examines the quality of life issues among elderly; focuses on medical, social, educational, recreational and economic institutions.
Prerequisites: SOCA 101; junior standing.
Offered: Fall.

SOCA 328 | Asians in American Society | 3 cr
Examines the culture, social, political, historical, and economic experiences of Asians in America. Covers Asian Americans as perpetual foreigners, racism, immigration, citizenship, language, education and job opportunities. Fulfills Ethnic Diversity Requirement.
Prerequisites: ANTH 100 or INTS 103 or SOCA 101.
Offered: Fall.
Meets: Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity

SOCA 329 | Social Institutions in Contemporary China | 3 cr
Introduces the social institutions and changes in contemporary China. Covers population, family, education, economy and politics.
Prerequisites: ANTH 100 or INTS 103 or SOCA 101.
Offered: Fall (odd years).

SOCA 331 | Deviant Behavior | 3 cr
Elucidates theoretical perspectives on deviant behavior and traces the development of how deviance is defined, explained and controlled.
Prerequisites: SOCA 101; junior standing.
Offered: Fall (odd years).

SOCA 332 | Sociology of Mental Illness | 3 cr
Examines mental illness as a social role/social label is examined in terms of institutional and sociocultural factors.
Prerequisites: SOCA 101; junior standing.
Offered: Occasionally.

SOCA 336 | Childhood and Society | 3 cr
Examines childhood as a socially constructed idea with profound effect on our lives and our communities; changing images, definitions, agreements, and rules about childhood; the social structures incorporating childhood; and the relationship of childhood to power distributions and economic inequalities. Community-based learning designation.
Prerequisites: SOCA 101.
Offered: Spring.
Meets: Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning

SOCA 343 | Latinas/os in U.S. | 3 cr
Focuses on the social, political, and cultural dynamics of the Latina/o experience in the U.S. including racial/ethnic identity, racism, economy, immigration, colonialism. Fulfills Ethnic Diversity Requirement. Cross-listed with: ETHN 343.
Prerequisites: ANTH 100 or ETHN 201 or SOCA 101.
Offered: Fall.
Meets: Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity

SOCA 354 | Class, Status and Power | 3 cr
Examines patterns of inequities and their relationship to social conflict, social organization, belief systems, race/ethnic identities, gender roles, and global systems of wealth and power.
Prerequisites: ANTH 100 or SOCA 101.
Offered: Spring.

SOCA 355 | Urbanism and Urbanization | 3 cr
Examines the effects of major historical. economic, political, and architectural trends on class composition of cities.
Prerequisites: ANTH 100 or SOCA 101.
Offered: Occasionally.

SOCA 356 | Political Sociology | 3 cr
Examines the relationship between politics and the larger social structure, such as structure of power in the United States and the economy; political consciousness and the debate on the changing nature of industrial societies. Cross-listed with: POLS 356.
Prerequisites: SOCA 101.
Offered: Occasionally.

SOCA 358 | Introduction to Population Studies | 3 cr
Elucidates population size, composition and processes of migration, including social and economic determinants of demographic changes and their effects on social organization.
Prerequisites: SOCA 101; junior standing.
Offered: Occasionally.

SOCA 359 | Law and Society | 3 cr
Explores selected legal rules, principles, and institutions from a sociological perspective, including influence of culture and social organization on law; role of law in social change; social aspects of the administration of justice; and social knowledge and law. Cross-listed with: CRMJ 359.
Prerequisites: CRMJ 101 or SOCA 101.
Offered: Occasionally.

SOCA 360 | Critical Ethnic Studies | 3 cr
Examines social conditions under which ethnic groups are labeled as "races" in the United States and in selected other societies, focusing on perceptions of whiteness and hybridity and their social consequences. Cross-listed with: ETHN 360.
Prerequisites: ANTH 100 or SOCA 101.
Offered: Occasionally.
Meets: Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity

SOCA 362 | Migration and Immigration | 3 cr
Examines migration and immigration as major processes of change in the United States and internationally, focusing on migrant communities, social networks, and work activities. Cross-listed with: ANTH 362.
Prerequisites: ANTH 100 or SOCA 101.
Offered: Spring (even years).

SOCA 363 | Corrections | 3 cr
Analyzes the organization of correctional agencies and the role of corrections in the criminal justice system. Includes review of theories, practices, systems, and treatment methods. Cross-listed with: CRMJ 363.
Prerequisites: CRMJ 101 or SOCA 101.
Offered: Fall, Spring.

SOCA 365 | Race, Crime, Law | 3 cr
Explores the intersections of race, crime and law in terms of the historical context, the present day situation and future directions. Focuses on multiple perspectives from offender to victim to criminal justice practitioner. Community-based learning designation. Cross-listed with: CRMJ 365.
Prerequisites: CRMJ 101 or SOCA 101; junior standing.
Offered: Fall, Spring.
Meets: Ethnic Diversity, Community Based Learning, Ethnic Diversity, Community Based Learning, Ethnic Diversity, Community Based Learning, Ethnic Diversity, Community Based Learning, Ethnic Diversity, Community Based Learning

SOCA 367 | LGBTQ Studies | 3 cr
Examines the everyday lives of people in the LGBTQ community as they participate in identity politics, collective action, resistance, and empowerment in a heteronormative society. Cross-listed with: WGSS 367.
Prerequisites: ANTH 100 or SOCA 101 or WGSS 110.
Offered: Occasionally.

SOCA 368 | Victimology | 3 cr
Examines the causes and consequences of crime victimization including the history and recent re-emergence of the study of the victim and types and circumstances of criminal victimization. Addresses victims' rights and the victims' rights movement. Cross-listed with: CRMJ 368.
Prerequisites: CRMJ 101 or SOCA 101.
Offered: Spring.

SOCA 372 | Technology and Society | 3 cr
Examines technology and technological change from perspective of interactions between technology and social organization. Discusses the causes and effects of technological change through critical, structural, contextual, and inter-actionist approaches.
Prerequisites: ANTH 100 or SOCA 101.
Offered: Occasionally.

SOCA 373 | Formal Organization | 3 cr
Examines fundamental issues concerning social organization, including theories and research methods for analyzing organizations; individuals and groups in organizations; organizational structure; communication, leadership and decision-making; and organizational change, and effectiveness.
Prerequisites: SOCA 101; junior standing.
Offered: Fall.

SOCA 374 | Women and Work | 3 cr
Examines the position of women in the work world including the importance of gender in determining definitions and valuations of work. Considers the context of women globally and historically.
Prerequisites: ANTH 100 or SOCA 101.
Offered: Occasionally.

SOCA 375 | Sociology of Education | 3 cr
Analyzes education as an institution that influences and is influenced by society. Reviews the functions of education, how social conflict shapes schools, and the connections between education and social inequality.
Prerequisites: ANTH 100 or SOCA 101.
Offered: Occasionally.

SOCA 376 | Public Health | 3 cr
Investigates the health status of populations and the social, political, economic, and environmental factors that influence health, disease, and illness in populations. Focuses on historical patterns, current challenges, and alternatives for future change.
Prerequisites: ANTH 100 or SOCA 101.
Offered: Spring.

SOCA 379 | Society and Environment | 3 cr
Examines environmental philosophies, movements, attitudes, and issues from a sociological perspective. Considers a diverse, multicultural array of approaches.
Prerequisites: ANTH 100 or SOCA 101.
Offered: Occasionally.

SOCA 380 | Social Welfare as a Social Institution | 3 cr
Delves into American social work, emphasizing recent changes in organization and methods. Includes issues of subcultures and minorities in social welfare institutions.
Prerequisites: SOCA 101.
Offered: Occasionally.

SOCA 390 | Special Topics in Sociology | 1-3 cr
Examines selected topics in sociology.
Prerequisites: SOCA 101.
Offered: Occasionally.

SOCA 406 | Advanced Program Evaluation | 3 cr
Examines the role of research in program planning and implementation. Includes application in a community-based learning project. Multi-career cross-listing: MAPS 606.
Prerequisites: ANTH 300 or a minimum of 2 credits in SOCA 300.
Offered: Spring.

SOCA 455 | International Development and Change | 3 cr
Analyzes comparative social change and international development, focusing on theories of change, the role of development agencies, and case studies of development projects. Cross-listed with: ANTH 455.
Prerequisites: 6 credits of upper-level anthropology or sociology courses.
Offered: Occasionally.

SOCA 490 | Special Topics in Sociology | 1-3 cr
Examines selected topics in sociology.
Prerequisites: SOCA 101; Junior standing.
Offered: Occasionally.

SOCA 492 | Internship in Sociology | 1-4 cr
Provides opportunity for community work experience with emphasis on job preparation skills, i.e., resume writing, networking, interviewing.
Prerequisites: SOCA 101; junior standing; consent of instructor and department chair.
Offered: Fall, Spring, Summer.

SOCA 494 | Field Experience in Sociology | 3 cr
Empirical investigation of an approved topic under the guidance of a sociology professor.
Prerequisites: SOCA 100 or SOCA 101 and junior standing and consent of instructor.
Offered: Fall, Spring, Summer.

SOCA 495 | Senior Seminar | 3 cr
Provides capstone experience for majors, including reflection on competencies gained from the major, how they relate to experiences after graduation, and work on a research project that allows application of skills and competencies learned.
Prerequisites: SOCA 295; ANTH 302 or SOCA 301; and senior standing.
Offered: Fall, Spring.

SOCA 498 | Portfolio | 1 cr
Instructs students in developing a portfolio to document their achievements. Makes explicit their personal and career abilities and goals through completing a resume and through documentation of their attainment of program competencies in their coursework.
Prerequisites: Senior standing or consent of instructor.
Offered: Fall, Spring.

SOCA 499 | Independent Study | 1-4 cr
Provides opportunity for independent work on specific problems in sociology under faculty supervision.
Prerequisites: Sociology major, junior standing; consent of instructor and department chair.
Offered: Fall, Spring, Winterim.

Sociology Major (BA)

Department website (https://www.uwp.edu/learn/programs/sociologymajor.cfm)

College: College of Social Sciences & Professional Studies

1. Conceptual Competencies:
2. Discerning and identifying different theoretical perspectives.\\n
3. Assessing and applying theoretical frameworks to social realities.
4. Understanding societies and cultures in their own terms, fostering a global perspective.
5. Linking the discipline(s) to others.
6. Pragmatic Competencies:
7. Identifying social problems and framing them conceptually.
8. Analyzing the impact of macro-structural factors on personal experience.\\n\\n
9. Identifying and breaming down ethnocentrism in research and practice.\\n
10. Establishing links between analysis and public policy on both local and global levels.\\n
11. Methodological Competencies:\\n
12. Generating, manipulating and analyzing social science data.\\n
13. Recording and interpreting qualitative evidence of socio-cultural life. \\n
14. Critically evaluating research findings.\\n\\n
15. Independently framing and executing research projects.
16. Civic Competencies\\n
17. Promoting civility and civil discourse.\\n
18. Imparting a sense of agency to communities, locally and beyond, by becoming skilled in applying research to community and organizational problems and applying sociological and anthropological perspectives to community and organization problems.\\n
19. Understanding group and organizational process in order to enable active citizenship and effective teamwork.\\n

Requirements for the Sociology Major

Under consultation with a faculty member, an advanced student may opt to “design” his/her own course as an independent study in sociology. The student must work with a faculty member whose expertise is in the selected topic. Together, they negotiate the focus and content of the course. The following core courses, to be completed by the end of the junior year or prior to the completion of 90 credit hours of study, are required of all students majoring in sociology:

Code	Title	Credits
Core Courses		
SOCA 101	Introduction to Sociology	3
SOCA 248	Report Writing for the Social Sciences	3
SOCA 250	Statistics for the Social Sciences	4
SOCA 295	Social Science Research Methods	3
SOCA 301	Sociological Theory	3
SOCA 495	Senior Seminar	3
Select one of the following:		3
SOCA 300	Topics in Data Collection and Analysis	
SOCA 303	Program Evaluation	
SOCA 307	Survey Methods	
Core Courses Subtotal		22
Elective Courses		
Select fifteen credits of the following: [1]		15
Criminology and Deviance		
SOCA 216	Social Issues in Substance Use and Abuse	
SOCA 233	Criminology (Same As CRMJ 233)	
SOCA 234	Juvenile Delinquency and Juvenile Justice	
SOCA 235	Police and Society	
SOCA 320	Sociological Social Psychology	
SOCA 331	Deviant Behavior	
SOCA 332	Sociology of Mental Illness	
SOCA 359	Law and Society	
SOCA 363	Corrections (Same As CRMJ 363)	
SOCA 365	Race, Crime, Law (Same As CRMJ 365)	
SOCA 368	Victimology (Same As CRMJ 368)	
Family and Human Services [2]		
SOCA 207	Marriage and Family	
SOCA 213	Gender and Society	

SOCA 216	Social Issues in Substance Use and Abuse
SOCA 319	Death and Dying
SOCA 320	Sociological Social Psychology
SOCA 326	Social Gerontology
SOCA 332	Sociology of Mental Illness
SOCA 336	Childhood and Society
SOCA 354	Class, Status and Power
SOCA 367	LGBTQ Studies
SOCA 372	Technology and Society
SOCA 375	Education and Society
SOCA 376	Public Health
SOCA 380	Social Welfare as a Social Institution
Race and Ethnic Relations	
SOCA 206	Race and Ethnic Relations in the U.S.
SOCA 227	North American Indians
SOCA 323	Institutional Racism in America
SOCA 324	African-American Studies
SOCA 328	Asians in American Society
SOCA 329	Social Institutions in Contemporary China
SOCA 343	Latinas/os in U.S.
SOCA 354	Class, Status and Power
SOCA 360	Critical Ethnic Studies
Urban Institutions and the Occupational World	
SOCA 213	Gender and Society
SOCA 319	Death and Dying
SOCA 321	Religion and Society
SOCA 322	Sociology of Language and Knowledge
SOCA 323	Institutional Racism in America
SOCA 354	Class, Status and Power
SOCA 355	Urbanism and Urbanization
SOCA 356	Political Sociology
SOCA 358	Introduction to Population Studies
SOCA 362	Migration and Immigration
SOCA 372	Technology and Society
SOCA 373	Formal Organization
SOCA 374	Women and Work
SOCA 375	Education and Society
SOCA 376	Public Health
SOCA 379	Society and Environment
SOCA 380	Social Welfare as a Social Institution
SOCA 455	International Development and Change
Evaluation and Practice	
SOCA 304	Skill Development in Leadership
SOCA 306	Research in Community Needs
SOCA 406	Advanced Program Evaluation
SOCA 455	International Development and Change
SOCA 492	Internship in Sociology
Total Credits	**37**

[1] 12 of the 15 credits must be upper level (300-400 level) courses, and at least one 3-credit class must fulfill the diversity requirement. Complete one course from at least four of the specialization areas listed (12 credits). Complete one additional course (3 credits). Each class can only count for one area.

[2] Students may fulfill a specialization in family and human services by completing one course under the heading of race and ethnic relations.

General University Degree Requirements (Bachelor's Degree)

In addition to individual program requirements, students must also fulfill the following requirements:

Requirement	Credits
Skills	7-8
General Education	36
Foreign Language**	6-8
Ethnic Diversity	3
Total	52-55

** Transfer students in sustainable management, and health information management and technology collaborative, online degree-completion programs, the business management online degree-completion program, and the flexible option degree-completion program will be exempt from the university's foreign language requirement. See appropriate academic section for further information.

Skills Requirement (p. 13)

Code	Title	Credits
Reading and Writing		
ENGL 101	Composition and Reading	3
Computational Skills		
Select one of the following:		4-5
MATH 102	Quantitative Reasoning	
MATH 103	Elementary Statistics	
MATH 104	College Mathematics with Applications	
MATH 111	College Algebra I	
Total Credits		**7-8**

General Education (p. 13)

- General Education Course List (p. 157)

Foreign Language (p. 13)

Ethnic Diversity (p. 13)

Degree Requirements

Requirement	Credits
Minimum Total Credits	120
Upper Level Credits (300 level or above)	36
Residency	30

Cumulative Degree GPA: 2.0 minimum

Course	Title	Credits
Year 1		
Fall Semester		
ENGL 100	Fundamentals of English	3
MATH 104	College Mathematics with Applications	4

SOCA 101	Introduction to Sociology	3
General Education (HU)		3
Introductory Language		4
	Credits	**17**
Spring Semester		
ENGL 101	Composition and Reading	3
SOCA 206 or SOCA 227 or SOCA 324 or SOCA 328 or SOCA 343 or SOCA 360 or SOCA 365	Race and Ethnic Relations in the U.S. or North American Indians or African-American Studies or Asians in American Society or Latinas/os in U.S. or Critical Ethnic Studies or Race, Crime, Law	3
General Education (NS)		3
General Education (SS)		3
Introductory Language		4
	Credits	**16**
	Total Credits	**33**

Course	**Title**	**Credits**
Year 2		
Fall Semester		
SOCA 250	Statistics for the Social Sciences	4
300/400 Level SOCA Elective		3
General Education (HU)		3
General Education (SS)		3
General Elective		3
	Credits	**16**
Spring Semester		
SOCA 248	Report Writing for the Social Sciences	3
300/400 Level SOCA Elective		3
General Education (SS)		3
General Education (HU)		3
General Education (NS)		3
	Credits	**15**
	Total Credits	**31**

Course	**Title**	**Credits**
Year 3		
Fall Semester		
SOCA 295	Social Science Research Methods	3
SOCA 301	Sociological Theory	3
300/400 Level General Elective		3
General Education (HU)		3
General Education (NS)		3
	Credits	**15**
Spring Semester		
SOCA 300 or SOCA 303 or SOCA 307	Topics in Data Collection and Analysis or Program Evaluation or Survey Methods	1-3
300/400 Level SOCA Elective		3
300/400 Level General Elective		3
General Education (NS)		3
General Elective		3
	Credits	**13-15**
	Total Credits	**28-30**

Course	**Title**	**Credits**
Year 4		
Fall Semester		
300/400 Level General Elective		3
300/400 Level General Elective		3
General Elective		3
General Elective		3
	Credits	**15**
Spring Semester		
SOCA 495	Senior Seminar	3
300/400 Level SOCA Elective		3
300/400 Level General Elective		3
General Elective		3
	Credits	**12**
	Total Credits	**27**

Note: SOCA electives must completed in at least 4 of the specialization areas.

Sociology Major Online Degree Completion Program (BA)

Department website (https://www.uwp.edu/learn/programs/onlinesociology.cfm)

College: College of Social Sciences & Professional Studies

1. Conceptual Competency:
2. Discerning and identifying different theoretical perspectives.
3. Assessing and applying theoretical frameworks to social realities.
4. Understanding societies and cultures in their own terms, fostering a global perspective
5. Linking the discipline(s) to others.
6. Pragmatic Competencies:
7. Identifying social problems and framing them conceptually.
8. Analyzing the impact of macro-structural factors on personal experience.
9. Identifying and breaming down ethnocentrism in research and practice.
10. Establishing links between analysis and public policy on both local and global levels.
11. Methodological Competencies:
12. Generating, manipulating and analyzing social science data.
13. Recording and interpreting qualitative evidence of socio-cultural life.
14. Recording and interpreting qualitative evidence of socio-cultural life.
15. Critically evaluating research findings.
16. Independently framing and executing research projects.
17. Civic Competencies:
18. Promoting civility and civil discourse
19. Imparting a sense of agency to communities, locally and beyond, by\\nbecoming skilled in applying research to community and organizational in applying sociological and anthropological perspectives to community and organization problems and Understanding group and organizational process in order to enable active citizenship and effective teamwork.\\n
20. To promote an understanding of diverse cultures from a variety of anthropological and sociological perspectives in order to connect local, national, and global communities.
21. To demonstrate the importance of integrating teaching, research and service both inside and outside the classroom by creating a teaching/learning environment that provides hands-on research and other experiential opportunities for collaborative faculty, student, and staff

interaction in support of excellence. This objective is designed to promote the methodological competencies primarily.

22. To prepare students to be successful in their professional, civic, and personal lives, and to empower students by promoting an awareness that they can make a difference.

Requirements for the Sociology Major Online Degree Completion Program

1. A minimum of 45 to 60 college credits required to be admitted to this program
2. Completion of the UW-Parkside skills requirement in English (**MATH 102 Quantitative Reasoning/MATH 104 College Mathematics with Applications/MATH 111 College Algebra I requirement must be met at the time of graduation**)
3. Foreign Language requirement (**must be met at the time of graduation**)
4. Completion of SOCA 101 Introduction to Sociology (or ANTH 100 Introduction to Anthropology)
5. Completion of the UW-Parkside General Education requirements (students who have fewer than 5 General Education courses may be considered for admission.)
6. A minimum 2.25 GPA overall

Code	Title	Credits
Core Courses		
SOCA 101	Introduction to Sociology	3
SOCA 248	Report Writing for the Social Sciences	3
SOCA 250	Statistics for the Social Sciences	4
SOCA 295	Social Science Research Methods	3
SOCA 301	Sociological Theory	3
SOCA 495	Senior Seminar	3
Select one of the following:		3
SOCA 300	Topics in Data Collection and Analysis	
SOCA 303	Program Evaluation	
SOCA 307	Survey Methods	
Core Courses Subtotal		22
Content Elective Courses		
Select fifteen credits of the following: [1]		15
Criminology and Deviance		
SOCA 320	Sociological Social Psychology	
SOCA 331	Deviant Behavior	
SOCA 332	Sociology of Mental Illness	
Family and Human Services		
SOCA 319	Death and Dying	
SOCA 326	Social Gerontology	
SOCA 332	Sociology of Mental Illness	
SOCA 354	Class, Status and Power	
SOCA 376	Public Health	
Race and Ethnic Relations		
SOCA 323	Institutional Racism in America	
SOCA 354	Class, Status and Power	
Urban Institutions and the Occupational World		
SOCA 319	Death and Dying	
SOCA 321	Religion and Society	
SOCA 323	Institutional Racism in America	
SOCA 354	Class, Status and Power	
SOCA 355	Urbanism and Urbanization	
SOCA 376	Public Health	
Elective Courses [2]		
Additional Sociology Electives		
Select fourteen credits of sociology courses not already taken in core and content electives (200-499)		14
General Electives		
Select nine credits of any UW-Parkside courses		9
Total Credits		**60**

[1] Complete one course from at least four of the specialization areas listed (12 credits).
Complete one additional course (3 credits).
Each class can only count for one area.
Complete one course to fulfill the diversity requirement (3 credits).

[2] Nine credits of ***Additional Sociology Electives*** and ***General Electives*** must be at 300-level or higher.

General University Degree Requirements (Bachelor's Degree)

In addition to individual program requirements, students must also fulfill the following requirements:

Requirement	Credits
Skills	7-8
General Education	36
Foreign Language**	6-8
Ethnic Diversity	3
Total	52-55

** Transfer students in sustainable management, and health information management and technology collaborative, online degree-completion programs, the business management online degree-completion program, and the flexible option degree-completion program will be exempt from the university's foreign language requirement. See appropriate academic section for further information.

Skills Requirement (p. 13)

Code	Title	Credits
Reading and Writing		
ENGL 101	Composition and Reading	3
Computational Skills		
Select one of the following:		4-5
MATH 102	Quantitative Reasoning	
MATH 103	Elementary Statistics	
MATH 104	College Mathematics with Applications	
MATH 111	College Algebra I	
Total Credits		**7-8**

General Education (p. 13)

- General Education Course List (p. 157)

Foreign Language (p. 13)

Ethnic Diversity (p. 13)

Degree Requirements

Requirement	Credits
Minimum Total Credits	120
Upper Level Credits (300 level or above)	36
Residency	30

Cumulative Degree GPA: 2.0 minimum

Sociology Minor

Department website (https://www.uwp.edu/learn/programs/sociologyminor.cfm)

College: College of Social Sciences & Professional Studies

Requirements for the Sociology Minor

Code	Title	Credits
Required Courses		
SOCA 101	Introduction to Sociology	3
SOCA 295	Social Science Research Methods	3
or SOCA 301	Sociological Theory	
Elective Courses		
Select fifteen credits (with at least nine credits at the 300 or 400 level) of the following:		15
SOCA 206	Race and Ethnic Relations in the U.S.	
SOCA 207	Marriage and Family	
SOCA 213	Gender and Society	
SOCA 216	Social Issues in Substance Use and Abuse	
SOCA 233	Criminology (Same As CRMJ 233)	
SOCA 234	Juvenile Delinquency and Juvenile Justice	
SOCA 235	Police and Society	
SOCA 250	Statistics for the Social Sciences	
SOCA 290	Special Topics in Sociology	
SOCA 304	Skill Development in Leadership	
SOCA 306	Research in Community Needs	
SOCA 319	Death and Dying	
SOCA 320	Sociological Social Psychology	
SOCA 321	Religion and Society	
SOCA 322	Sociology of Language and Knowledge	
SOCA 323	Institutional Racism in America	
SOCA 324	African-American Studies	
SOCA 326	Social Gerontology	
SOCA 328	Asians in American Society	
SOCA 329	Social Institutions in Contemporary China	
SOCA 331	Deviant Behavior	
SOCA 332	Sociology of Mental Illness	
SOCA 336	Childhood and Society	
SOCA 343	Latinas/os in U.S.	
SOCA 354	Class, Status and Power	
SOCA 355	Urbanism and Urbanization	
SOCA 356	Political Sociology	
SOCA 358	Introduction to Population Studies	
SOCA 359	Law and Society	
SOCA 360	Critical Ethnic Studies	
SOCA 362	Migration and Immigration	
SOCA 363	Corrections (Same As CRMJ 363)	
SOCA 365	Race, Crime, Law (Same As CRMJ 365)	
SOCA 367	LGBTQ Studies	
SOCA 368	Victimology (Same As CRMJ 368)	
SOCA 372	Technology and Society	
SOCA 373	Formal Organization	
SOCA 374	Women and Work	
SOCA 375	Sociology of Education	
SOCA 376	Public Health	
SOCA 379	Society and Environment	
SOCA 380	Social Welfare as a Social Institution	
SOCA 390	Special Topics in Sociology	
SOCA 406	Advanced Program Evaluation	
SOCA 490	Special Topics in Sociology	
SOCA 492	Internship in Sociology	
Total Credits		**21**

University Requirements for Minors

Course work in the minor must be completed with the minimum GPA as specified by the department or program under which the minor falls, usually a 2.00 on a 4.00 scale, but higher in some programs. Transfer students must attain the minimum specified GPA on a combination of transfer credits accepted toward the minor and credits attempted at UW-Parkside.

At least half of the course work required for a minor must be completed at UW-Parkside.

Child and Family Advocacy Certificate

Department website (https://www.uwp.edu/learn/programs/childandfamilyadvocacy.cfm)

College: College of Social Sciences & Professional Studies

The child and family advocacy field uniquely meets a human need through interdisciplinary knowledge base that focuses both on prevention and remediation because it seeks to improve overall quality of life. Earning this certificate leads to many new career opportunities in high demand. Students can find careers as mental health counselors and caseworkers at the human services office for child advocacy, family or victim advocates, community liaisons, family therapists, marriage and family counselors, case management workers, or school counselors. This certificate prepares students for graduate school or certification through State examination.

Requirements for the Child and Family Advocacy Certificate

Code	Title	Credits
Required Courses		
SOCA 101	Introduction to Sociology	3
SOCA 207	Marriage and Family	3
Elective Courses		
Select two of the following:		6
SOCA 213	Gender and Society	
SOCA 320	Sociological Social Psychology	
SOCA 331	Deviant Behavior	
SOCA 336	Childhood and Society	
SOCA 374	Women and Work	
SOCA 375	Sociology of Education	
Practicum		
Select one of the following:		3
SOCA 380	Social Welfare as a Social Institution	
SOCA 492	Internship in Sociology [1]	
Total Credits		**15**

[1] All SOCA 492 Internship in Sociology internships have to be geared towards the area of the certificate. Students who already have experience in any field may receive credit for the practicum category of the certificates but after submitting the necessary documentation and approval by the department.

University Requirements for Undergraduate Certificates

Course work in a certificate must be completed with a minimum 2.00 GPA. Departments or programs may require a higher GPA.

A minimum of 9 credits in a certificate program must be taken at UW-Parkside. Individual departments and programs may require more than 9 credits to be taken at UW-Parkside.

Diversity and Inclusion Certificate

Department website (https://www.uwp.edu/learn/programs/diversityinclusioncertificate.cfm)

College: College of Social Sciences & Professional Studies

Tomorrow's leaders require a competitive edge. A skill of uprooting hidden biases and natural blind spots is required to effectively work and contribute to the increasingly diverse society. These skills are needed so the barriers are lessened and an equal opportunity is secured. Interestingly, this is needed in each and every walk of life following graduation. Our practicum for this certificate has a longstanding tradition in the sociology department. We have the diversity circles that come in one credit tackling different topics. Thus, this certificate secures the most rewarding career. Diversity specialists could be program managers, facilitators, counselors and learning specialists.

Requirements for the Diversity and Inclusion Certificate

Code	Title	Credits
Required Courses		
SOCA 101	Introduction to Sociology	3
SOCA 206	Race and Ethnic Relations in the U.S.	3
Elective Courses		
Select two of the following:		6
SOCA 227	North American Indians	
SOCA 324	African-American Studies	
SOCA 328	Asians in American Society	
or SOCA 329	Social Institutions in Contemporary China	
SOCA 343	Latinas/os in U.S.	
Practicum		
Select one of the following:		3
SOCA 492	Internship in Sociology [1]	
SOCA 107	Diversity Circles [2]	
Total Credits		**15**

[1] All SOCA 492 Internship in Sociology internships have to be geared towards the area of the certificate. Students who already have experience in any field may receive credit for the practicum category of the certificates but after submitting the necessary documentation and approval by the department.

[2] SOCA 107 Diversity Circles is a 1 credit course that must be taken three times to meet this requirement.

University Requirements for Undergraduate Certificates

Course work in a certificate must be completed with a minimum 2.00 GPA. Departments or programs may require a higher GPA.

A minimum of 9 credits in a certificate program must be taken at UW-Parkside. Individual departments and programs may require more than 9 credits to be taken at UW-Parkside.

Gerontology Certificate

Department website (https://www.uwp.edu/learn/programs/gerontology.cfm)

College: College of Social Sciences & Professional Studies

Everyone at every point in life needs either care or support. Caring for one another, to many, is what makes us human. Professional care for the elderly is a growing profession that demands qualified individuals with the knowledge and passion to support the needs of older adults. The (15 credit) gerontology certificate shows potential employers that you have the educational experience necessary to relate to the needs of our aging population and that you are motivated and prepared to work in this field. A program that includes internships and in-field experience will introduce students to professional career opportunities as counselors, case or care managers, senior living advisors, or health specialists for long term care,

Requirements for Gerontology Certificate

Code	Title	Credits
Required Course		
SOCA 101	Introduction to Sociology	3
SOCA 326	Social Gerontology	3
Elective Courses		
Select two of the following:		6
BIOS 109	Biology of Aging	
PSYC 241	Psychology of Aging	
SOCA 319	Death and Dying	
Practicum		
SOCA 492	Internship in Sociology [1]	3
Total Credits		**15**

[1] Students who already have experience in the field of gerontology or working with the aging population may receive credit for an internship through written agreement with a faculty member of this program. All SOCA 492 internships have to be geared towards the area of the certificate. Students who already have experience in any field may receive credit for the practicum category of the certificates but after submitting the necessary documentation and approval by the department.

University Requirements for Undergraduate Certificates

Course work in a certificate must be completed with a minimum 2.00 GPA. Departments or programs may require a higher GPA.

A minimum of 9 credits in a certificate program must be taken at UW-Parkside. Individual departments and programs may require more than 9 credits to be taken at UW-Parkside.

Health and Society Certificate

Department website (https://www.uwp.edu/learn/programs/healthandsocietycertificate.cfm)

College: College of Social Sciences & Professional Studies

Many students attend UW-Parkside hoping to pursue a career in a "helping profession." This certificate will provide additional options to pursue careers in the health care industry. The Health and Society certificate will provide students with an excellent opportunity to study questions of physical and mental health, health behaviors and practices, and health care institutions, in an integrated way—primarily through a social and cultural lens, spanning both national and global contexts. The health care industry career path is so wide that students may opt to offer their skills as community health educators, consultants to data specialists, substance abuse programmers, rehabilitation and prevention counselors, or school youth and parent aides.

Requirements for the Health and Society Certificate

Code	Title	Credits
Required Courses		
SOCA 101	Introduction to Sociology	3
SOCA 376	Public Health	3
Elective Courses		
Select two of the following:		6
SOCA 216	Social Issues in Substance Use and Abuse	
SOCA 320	Sociological Social Psychology	
SOCA 332	Sociology of Mental Illness	
SOCA 379	Society and Environment	
Practicum		
Select one of the following:		3
SOCA 380	Social Welfare as a Social Institution	
SOCA 492	Internship in Sociology [1]	
Total Credits		**15**

[1] All SOCA 492 Internship in Sociology internships have to be geared towards the area of the certificate. Students who already have experience in any field may receive credit for the practicum category of the certificates but after submitting the necessary documentation and approval by the department.

University Requirements for Undergraduate Certificates

Course work in a certificate must be completed with a minimum 2.00 GPA. Departments or programs may require a higher GPA.

A minimum of 9 credits in a certificate program must be taken at UW-Parkside. Individual departments and programs may require more than 9 credits to be taken at UW-Parkside.

Program Evaluation Certificate

Department website (https://www.uwp.edu/learn/programs/programevaluation.cfm)

College: College of Social Sciences & Professional Studies

Program evaluation is the process of using social science research methods to study, appraise, and help improve programs in nonprofit organizations, educational systems, governmental departments, and businesses. Program evaluation is an important component of strategic planning working to improve the effectiveness of an organization. Program evaluation can employ both qualitative and quantitative research methods. The ability to conduct a research-based evaluation is valuable preparation for leadership roles in the workplace. Program evaluation includes not only the theory, research, multicultural, and data management skills of the social science disciplines but also verbal communication skills, report writing, teamwork, project management, strategic planning, and leadership.

Community Based Research

Classes in this program give students experiences working on projects for organizations in the community. Hands-on experience helps students to close the gap between theory and practice and strengthen their career development. Students in this certificate program learn how to use their social science knowledge to better understand the role of groups in social change, increasing their effectiveness in social action work. They develop analytical skills and learn methodological tools that are relevant for both the workplace and graduate study.

Requirements for Program Evaluation Certificate

Code	Title	Credits
Required Courses		
SOCA 101	Introduction to Sociology	3
SOCA 295	Social Science Research Methods	3
SOCA 303	Program Evaluation	3
Elective Courses		
Select one of the following:		3
SOCA 300	Topics in Data Collection and Analysis	
SOCA 306	Research in Community Needs	
SOCA 307	Survey Methods	
Another research course approved by the director		
Practicum		
SOCA 406	Advanced Program Evaluation	3
Total Credits		**15**

University Requirements for Undergraduate Certificates

Course work in a certificate must be completed with a minimum 2.00 GPA. Departments or programs may require a higher GPA.

A minimum of 9 credits in a certificate program must be taken at UW-Parkside. Individual departments and programs may require more than 9 credits to be taken at UW-Parkside.

Social Justice Certificate

Department website (https://www.uwp.edu/learn/programs/socialjusticecertificate.cfm)

College: College of Social Sciences & Professional Studies

The challenge of social justice is to evoke a sense of responsibility for one's community. Any community must address the problem of achieving social justice so it can cope compassionately with social injustices and resolve for this. Graduates who complete this certificate and those who have experience working with a specific population that is oppressed may have favorable job prospects in the areas of counseling, social welfare, humanitarian careers, victim advocacy, social justice consulting or corrections.

Requirements for the Social Justice Certificate

Code	Title	Credits
Required Courses		
SOCA 101	Introduction to Sociology	3
SOCA 354	Class, Status and Power	3
Elective Courses		
Select two of the following:		6
SOCA 320	Sociological Social Psychology	
SOCA 323	Institutional Racism in America	
SOCA 331	Deviant Behavior	
SOCA 360	Critical Ethnic Studies	
SOCA 376	Public Health	
SOCA 355	Urbanism and Urbanization	
SOCA 356	Political Sociology	
SOCA 367	LGBTQ Studies	
SOCA 375	Sociology of Education	
Practicum		
SOCA 492	Internship in Sociology [1]	3
Total Credits		**15**

[1] All SOCA 492 Internship in Sociology internships have to be geared towards the area of the certificate. Students who already have experience in any field may receive credit for the practicum category of the certificates but after submitting the necessary documentation and approval by the department.

University Requirements for Undergraduate Certificates

Course work in a certificate must be completed with a minimum 2.00 GPA. Departments or programs may require a higher GPA.

A minimum of 9 credits in a certificate program must be taken at UW-Parkside. Individual departments and programs may require more than 9 credits to be taken at UW-Parkside.

Urban Studies Certificate

Department website (https://www.uwp.edu/learn/programs/urbanstudiescertificate.cfm)

College: College of Social Sciences & Professional Studies

Requirements for the Urban Studies Certificate

Code	Title	Credits
Required Courses		
SOCA 101	Introduction to Sociology	3
GEOG 360	Urban Geography	3
or SOCA 355	Urbanism and Urbanization	
Elective Courses		
Select two of the following from different departments: [1]		6
GEOG 375	Geography of Transportation	
HIST 325	Mayhem and the Metropolis	
SOCA 323	Institutional Racism in America	
SOCA 358	Introduction to Population Studies	
SOCA 362	Migration and Immigration	
SOCA 373	Formal Organization	
SOCA 379	Society and Environment	
Practicum Course		
Select one of the following: [2]		3
ANTH 494	Internship in Anthropology	
GEOG 494	Internship in Geography	
HIST 336	Poverty in American History	
SOCA 492	Internship in Sociology [3]	
Total Credits		**15**

[1] Note: Prerequisites apply in specific department.
[2] Students must take one course that fulfills a hands-on practical experience, such as an internship or independent study in any related department. Approval of the practicum experience by the Program Director is necessary. Possible options included in list.
[3] All SOCA 492 internships have to be geared towards the area of the certificate. Students who already have experience in any field may receive credit for the practicum category of the certificates but after submitting the necessary documentation and approval by the department.

University Requirements for Undergraduate Certificates

Course work in a certificate must be completed with a minimum 2.00 GPA. Departments or programs may require a higher GPA.

A minimum of 9 credits in a certificate program must be taken at UW-Parkside. Individual departments and programs may require more than 9 credits to be taken at UW-Parkside.

Sustainable Management

Department website (https://www.uwp.edu/learn/programs/sustainablemanagementprograms.cfm)

College: College of Natural & Health Sciences

Student Organizations/Clubs:

Biology Club, Geosciences Club, Geography Club, Environmental Club

Career Possibilities:

Sustainable management emphasizes the triple bottom line of achieving positive financial, social, and environmental outcomes. Careers vary greatly. Possibilities include environmental consulting, environmental law, product management, waste management, corporate sustainability, green public relations, sustainable business development, entrepreneurship, natural resource management, environmental impact analysis, transportation efficiency analyst, landscape designer, community development, recycling, energy management, water conservation, systems thinking specialist, and green marketing.

Program Overview

Our Sustainable Management bachelor of science degree is a collaborative, online completion program. The development of sustainable business models is one of our most pressing needs in society today. Our economic, environmental, and social well-being all rely on providing goods and services to an ever-increasing population at present, while maintaining the integrity of these systems for future generations. To accomplish this goal, our graduates are trained in the theoretical concepts of sustainability and practical skills needed in a business setting.

The Sustainable Management Program began in Fall 2009. This unique online program is a three-campus consortium that includes UW-Parkside, UW-River Falls, and UW-Superior, and with administrative oversight through University of Wisconsin Extended Campus.

This program is a collaborative, online bachelor of science degree completion program. Program participants will have completed 60 credits including most if not all of their General Education and required courses from any of the UW System campuses (or elsewhere), whereupon they complete the 21 courses (63 credits) in the SMGT program. Transfer students are welcome in the sustainable management program.

Program-Level Outcomes

Upon completion of the program students will be able to:

- identify human reliance and impacts on natural systems;
- understand basic eco-system principals and identify risks to ecosystem resources;
- identify the financial implications in utilization of natural systems;
- develop resilient business strategies that reduce social vulnerability and improve stakeholder outcomes;
- develop business practices that support and enhance natural systems stability and resiliency;
- develop triple bottom line accounting practices for businesses and organizations;
- facilitate change management in organizations; provide leadership to encourage and inspire sustainability commitment in stakeholders;
- facilitate appreciation for the capacity of business and organizations to affect positive change;
- facilitate the ability to quantify and demonstrate the benefits of sustainability to stakeholders of the organization.

Programs Offered

- Sustainable Management Major (BS) (p. 324)
- Environmental Sustainability Certificate (p. 325)
- Sustainable Enterprise Certificate (p. 325)

Courses in Sustainable Management

SMGT 115 | Environmental Science and Sustainability | 3 cr

Overview of the interrelationships between humans and the environment. The material presented in the first one-third of the course focuses on important ecological concepts. The remainder of the course deals with human influences on the environment and sustainable practices to avoid or ameliorate the negative impacts. The ecological concepts are used throughout to identify, understand, and provide a basis for proposing possible solutions to contemporary environmental problems. Overall, this course will provide the student with a better understanding of how humans can more positively affect the environment in which they live.
Prerequisites: Admitted sustainable management majors only or program advisor consent on space available basis.
Offered: Occasionally.

SMGT 220 | Systems Thinking | 3 cr

Students will use systems thinking to apply the concepts of sustainability in various business, social, and scientific contexts. Rather than looking at a problem by analyzing their component parts, students will learn to analyze whole systems. Students will then model the relationships and behaviors to identify leverage points for change.
Prerequisites: College Math, admitted sustainable management majors only or program advisor consent on space available basis.
Offered: Occasionally.

SMGT 230 | Triple Bottom Line Accounting for Managers | 3 cr
Students will be introduced to the discipline of financial and managerial accounting and learn how this information is used. Students will gain a basic knowledge of the preparation of financial statements and their analytical use. Further, students will explore how this accounting information is applied by managers in the decision-making process helping organizations meet the triple bottom line (strong profits, healthy environment, and vital communities).
Prerequisites: College Math, admitted sustainable management majors only or program advisor consent on space available basis.
Offered: Occasionally.

SMGT 235 | Economics in Society and Sustainability | 3 cr
General introductory course highlighting economics, social and environmental issues facing society. In addition to covering traditional issues such as markets and prices (microeconomics), government economic management (macroeconomics), and international trade, it also introduces economic content into the analysis of selected topics such as poverty and discrimination, the environment, and the provision of government services. Critiques of conventional economic thought, within the context of systems thinking and ecological economics, are integrated throughout the course.
Prerequisites: College Math, admitted sustainable management majors only or program advisor consent on space available basis.
Offered: Occasionally.

SMGT 240 | Business Communications for Sustainable Management | 3 cr
Interdisciplinary professional and technical communication course that applies knowledge of sustainability principles and develops rhetorical skills for a variety of audiences in social, economic, and environmental contexts.
Prerequisites: Admitted sustainable management majors only or program advisor consent on space available basis.
Offered: Occasionally.

SMGT 250 | Sustainable Agriculture and Food Security | 3 cr
This course offers an in-depth assessment of the economic, social, and environmental considerations of production agricultural systems that provide safe, reliable, and affordable food supplies for a growing human population. In addition to the maintenance of the economic viability of production agricultural systems, course topics will focus on: the maintenance of soil, water, and air resources; addressing issues of biodiversity loss; and, maintenance of rural community character and economics. Economic, regulatory, and public entity tools that promote sustainability in production agriculture will also be addressed.
Prerequisites: SMGT 115; admitted sustainable management majors only or program advisor consent on space available basis.
Offered: Occasionally.

SMGT 305 | Climate Change and Sustainability | 3 cr
This course focuses on climate change science and greenhouse gases, natural and human impacts of climate change, and sustainable and efficient strategies to limit carbon emissions. The course is divided into three major areas: 1) climate science and measured impacts, 2) modeled predictions and mitigation/adaption strategies, 3) sustainable and carbon neutral practices. This course will emphasize not only the economics of carbon budgeting and increasing efficiency but also the human role in creating and solving climate change and the discrepancies in who, where, and what will be impacted by both climate change and the necessary solutions.
Prerequisites: College Math, admitted sustainable management majors only or program advisor consent on space available basis.
Offered: Occasionally.

SMGT 310 | Ecology for Sustainable Management | 3 cr
Interrelationships of organisms with each other and their environments. Investigation into composition and dynamics of populations, communities, ecosystems, landscapes, and the biosphere with emphasis on sustainability.
Prerequisites: Introductory Biology or SMGT 115; admitted sustainable management majors only or program advisor consent on space available basis.
Offered: Occasionally.

SMGT 320 | Renewable Energy for Sustainable Management | 3 cr
Discusses sustainability as it relates to the world's increasing use of energy. Considers the potential harm done via greenhouse gases and prospects for large-scale implementation of more benign sources. Covers basic engineering principles and applications.
Prerequisites: College Math; admitted sustainable management majors only or program advisor consent on space available basis.
Offered: Occasionally.

SMGT 325 | Natural Resource Management | 3 cr
Examines the interdependence between natural resources associated with land, air, and water. Explores significant environmental issues regarding the policies and problems in the use and management of natural resources related to soils, vegetation, landscape within the context of social needs and sustainability..
Prerequisites: Admitted sustainable management majors only or program advisor consent on space available basis.
Offered: Occasionally.

SMGT 330 | Marketing for a Sustainable World | 3 cr
Analyzes an organization's opportunities to develop sustainability practices as they relate to the development of product, pricing, supply and distribution channels (retail, wholesale), promotion (advertising, sales promotion, public relations), target markets and reporting methodologies.
Prerequisites: SMGT 235; admitted sustainable management majors only or program advisor consent on space available basis.
Offered: Occasionally.

SMGT 331 | Sustainable Organizational Finance | 3 cr
An introduction to the theory and methods of sustainable organizational finance. Topics include financial statements; discounting and budgeting; uncertainty and risk/reward trade-offs; and assessing the financial implications of the triple bottom line (e.g. climate change, carbon trading, human resource management, and creating environmentally-conscious shareholder value).
Prerequisites: Sustainable management major or program advisor consent.
Offered: Fall, Spring.

SMGT 332 | Economics of Environmental Sustainability | 3 cr

Provides an examination of the interaction between market activity and the environment as well as the use of economic decision making to manage the environment. This course applies economic analysis to the efficient and sustainable management of environmental goods and resources, and examines how economic institutions and policies can be changed to bring the environmental impacts of economic decision-making more into balance with human desires and the needs of the ecosystem. The last unit of the course serves as an introduction to the theory, methods, and application of sustainable organizational finance. Topics include financial statements, discounting and budgeting, uncertainty and risk/reward trade-offs, and assessing the financial implications of the triple bottom line (e.g., climate change, carbon trading, human resource managements, and the creation of environmentally conscious shareholder value)..

Prerequisites: Admitted sustainable management majors only or program advisor consent on space available basis.

Offered: Occasionally.

SMGT 335 | Management and Environmental Information Systems | 3 cr

This course presents an overview of different technologies and information systems used in modern organizations. It covers various information systems for analyzing organizational data and processes. It presents tools for managing projects, promoting collaboration, and teamwork in the workplace. This course provides students hands-on experience with the information systems and technology tools. It also covers technologies that promote sustainability, and includes topics such as green computing and low-carbon technologies.

Prerequisites: SMGT 230; admitted sustainable management majors only or program advisor consent on space available basis.

Offered: Occasionally.

SMGT 340 | Organizational Behavior and Sustainability | 3 cr

Management principles and theories underlying human behavior in organizations are investigated. Topics include personality, motivation, communication, decision-making, leadership, teamwork, ethics, power, diversity, and work stress. Constraints and opportunities of an "eco" friendly organization are realized.

Prerequisites: Public Speaking; admitted sustainable management majors only or program advisor consent on space available basis.

Offered: Occasionally.

SMGT 360 | Environmental and Sustainability Policy | 3 cr

Topics include the spectrum of historical, theoretical and technical issues applicable to sustainable management of natural resources, environmental quality standards and risk management. Administrative structures that form the basis for selecting appropriate responses to complex management problems faced by industry, government and non-governmental agencies are identified. The historical development and current framework of public policy are investigated and specific foundational legislation is critiqued..

Prerequisites: SMGT 115; admitted sustainable management majors only or program advisor consent on space available basis.

Offered: Occasionally.

SMGT 370 | Logistics, Supply Chain Management and Sustainability | 3 cr

An introduction to the concepts, functions, processes, and objectives of logistics and supply chain management activities. It covers those activities that are involved in physically moving raw materials, inventory, and finished goods from point of origin to point of use or consumption. It covers the planning, organizing, and controlling of such activities, and examines the role of supply chain processes in creating sustainable competitive advantage with respect to quality, flexibility, lead-time, and cost. Topics include customer service, inventory management, transportation, warehousing, supply chain management, reverse logistics, green supply chains and international logistics. Prior knowledge of Excel spreadsheet applications is recommended.

Prerequisites: Statistics course; admitted sustainable management majors only or program advisor consent on space available basis.

Offered: Occasionally.

SMGT 410 | Corporate Social Responsibility and Sustainability | 3 cr

Corporate Social Responsibility (CSR) and the organization. First and foremost, this course will enable students to understand the rationale behind CSR and sustainability. This course takes students through an evaluation of risks and potential impacts in decision making, enabling them to recognize the links between the success of an organization and the well-being of a community/society. Additionally, methods and standards of integrating CSR throughout an organization, creating metrics and communicating CSR policies internally and externally will be discussed an analyzed. Students will develop an understanding of best practices of CSR in its entire breadth within an organization as well as delve into economic structures designed to foster more responsibility and accountability.

Prerequisites: Admitted sustainable management majors only or program advisor consent on space available basis.

Offered: Occasionally.

SMGT 420 | The Built Environment and Sustainability | 3 cr

This course addresses the impacts of the human-built environment on natural systems and opportunities available to mitigate them through thoughtful planning, design, and implementation techniques to provide desirable, affordable, and sustainable living and working spaces. Topics focus on providing critical infrastructure for economic development, housing, transportation, and utilities while protecting and enhancing environmental assets through effective site and building design, public input, and use of regulatory tools. Additional attention is given to the maintenance of community character and the economic and social interdependence of rural, exurban, suburban, and urban areas.

Prerequisites: Admitted sustainable management majors only or program advisor consent on space available basis.

Offered: Occasionally.

SMGT 430 | International Management for a Sustainable World | 3 cr

Analysis of the theory and practice of managing international organizations including socio-cultural aspects and group dynamics of international business and service organizations through the study of sustainable management practices. Implementation of a triple bottom line solution to organizational problems will be emphasized.

Prerequisites: SMGT 235; sustainable management major or program advisor consent.

Offered: Fall, Spring.

SMGT 435 | International Development and Sustainability | 3 cr
This course examines the international sustainability concerns. It explores interrelationships of sustainable management practices with population growth, health, food security, poverty, inequality, urbanization, international trade, technology and environmental change at local, regional, and global levels. Contemporary issues and alternatives will be explored to identify sustainable management practices that can lead to strong profitability, healthy environments, and vibrant communities.
Prerequisites: SMGT 235; admitted sustainable management majors only or program advisor consent on space available basis.
Offered: Occasionally.

SMGT 460 | Environment and Society | 3 cr
Introduces the fundamentals of human-environmental interaction; a grasp of how these interactions create problems; and how the elements of social, technological, and personal choices combine to overcome them.
Prerequisites: SMGT 115; admitted sustainable management majors only or program advisor consent on space available basis.
Offered: Occasionally.

SMGT 495 | Sustainable Management Capstone | 3 cr
An application and study of sustainable management through the solution of an industry-based project. Implementation of a triple bottom line solution to industrial problems will be emphasized.
Prerequisites: Senior standing; instructor consent, admitted sustainable management major only or program advisor consent on space available basis.
Offered: Occasionally.

Sustainable Management Major (BS)

Department website (https://www.uwp.edu/learn/programs/sustainablemanagementdegreecompletion.cfm)

College: College of Natural & Health Sciences

1. Analyze sustainability issues from local and global perspectives.
2. Analyze and interpret social, scientific, and business-related information in the context of sustainability.
3. Make informed judgments that lead to sustainable outcomes.
4. Employ systems thinking approaches to evaluate sustainability issues.
5. Communicate sustainability to diverse audiences.
6. Integrate sustainability concepts into applied settings and projects.

Students majoring in sustainable management are not required to complete the foreign language requirement.

Requirements for the Sustainable Management Major

Students are admitted into the program after completing the UW-Parkside general education requirements and have earned 60 credits of college work. Students are also required to have completed the following four prerequisite courses: college math, general biology, speech communication, and statistics. Students complete these prerequisite courses during their first 60 credits of college work.

Code	Title	Credits
SMGT 115	Environmental Science and Sustainability	3
SMGT 220	Systems Thinking	3
SMGT 230	Triple Bottom Line Accounting for Managers	3
SMGT 235	Economics in Society and Sustainability	3
SMGT 240	Business Communications for Sustainable Management	3
SMGT 250	Sustainable Agriculture and Food Security	3
SMGT 305	Climate Change and Sustainability	3
SMGT 310	Ecology for Sustainable Management	3
SMGT 320	Renewable Energy for Sustainable Management	3
SMGT 325	Natural Resource Management	3
SMGT 330	Marketing for a Sustainable World	3
SMGT 332	Economics of Environmental Sustainability	3
SMGT 335	Management and Environmental Information Systems	3
SMGT 340	Organizational Behavior and Sustainability	3
SMGT 360	Environmental and Sustainability Policy	3
SMGT 370	Logistics, Supply Chain Management and Sustainability	3
SMGT 410	Corporate Social Responsibility and Sustainability	3
SMGT 420	The Built Environment and Sustainability	3
SMGT 435	International Development and Sustainability	3
SMGT 460	Environment and Society	3
SMGT 495	Sustainable Management Capstone	3
Total Credits		**63**

General University Degree Requirements (Bachelor's Degree)

In addition to individual program requirements, students must also fulfill the following requirements:

Requirement	Credits
Skills	7-8
General Education	36
Foreign Language**	6-8
Ethnic Diversity	3
Total	52-55

** Transfer students in sustainable management, and health information management and technology collaborative, online degree-completion programs, the business management online degree-completion program, and the flexible option degree-completion program will be exempt from the university's foreign language requirement. See appropriate academic section for further information.

Skills Requirement (p. 13)

Code	Title	Credits
Reading and Writing		
ENGL 101	Composition and Reading	3
Computational Skills		
Select one of the following:		4-5
MATH 102	Quantitative Reasoning	
MATH 103	Elementary Statistics	
MATH 104	College Mathematics with Applications	

MATH 111	College Algebra I	
Total Credits		**7-8**

General Education (p. 13)

- General Education Course List (p. 157)

Foreign Language (p. 13)

Ethnic Diversity (p. 13)

Degree Requirements

Requirement	Credits
Minimum Total Credits	120
Upper Level Credits (300 level or above)	36
Residency	30

Cumulative Degree GPA: 2.0 minimum

Environmental Sustainability Certificate

Department website (https://www.uwp.edu/learn/programs/sustainscienceonline.cfm)

College: College of Natural & Health Sciences

The Environmental Sustainability online certificate is available to undergraduate students as well as to non-degree-seeking students. Students who complete courses in a certificate program and are later admitted to the SMGT degree program can use the credits earned in the certificate program toward the degree.

Requirements for the Environmental Sustainability Certificate

Students applying to the certificate program must meet the course prerequisites for the courses listed in the certificate program.

Code	Title	Credits
SMGT 305	Climate Change and Sustainability	3
SMGT 310	Ecology for Sustainable Management	3
SMGT 320	Renewable Energy for Sustainable Management	3
SMGT 325	Natural Resource Management	3
Total Credits		**12**

University Requirements for Undergraduate Certificates

Course work in a certificate must be completed with a minimum 2.00 GPA. Departments or programs may require a higher GPA.

A minimum of 9 credits in a certificate program must be taken at UW-Parkside. Individual departments and programs may require more than 9 credits to be taken at UW-Parkside.

Sustainable Enterprise Certificate

Department website (https://www.uwp.edu/learn/programs/sustainenterpriseonline.cfm)

College: College of Natural & Health Sciences

The sustainable enterprise online certificate is available to undergraduate students as well as to non-degree seeking students. Students who complete courses in a certificate program and are later admitted to the SMGT degree program will be able to use the credits earned in the certificate program toward the degree.

Requirements for the Sustainable Enterprise Certificate

Students applying to the certificate program will have to meet the course prerequisites for the courses listed in the certificate program

Code	Title	Credits
SMGT 230	Triple Bottom Line Accounting for Managers	3
SMGT 235	Economics in Society and Sustainability	3
SMGT 335	Management and Environmental Information Systems	3
SMGT 340	Organizational Behavior and Sustainability	3
Total Credits		**12**

University Requirements for Undergraduate Certificates

Course work in a certificate must be completed with a minimum 2.00 GPA. Departments or programs may require a higher GPA.

A minimum of 9 credits in a certificate program must be taken at UW-Parkside. Individual departments and programs may require more than 9 credits to be taken at UW-Parkside.

Teacher Education

Department website (https://www.uwp.edu/learn/departments/educatordevelopment/)

College: College of Social Sciences & Professional Studies

Wisconsin Licensure Programs Offered:

Art Education, K-Grade 12
Bilingual/Bicultural Education, add-on certificate to initial license
Early Childhood, K-Grade 3
Elementary/Middle School, K- Grade 9
English as a Second Language, add-on certificate to initial license
Music Education: Music All, K – Grade 12
Secondary Education, Grades 4-12; English, Mathematics
Special Education: Cross-categorical, K – Grade 12

Student Organizations/Clubs:

Aspiring Educators

Career Possibilities:

Students who complete an undergraduate teacher education degree and are endorsed for licensure can pursue careers including teacher,

instructional coach, non- or instructional specialist, academic advisor, academic coordinator, or similar roles. With additional graduate studies, other opportunities may include assistant principal, principal, school district administrator, director of instruction, instructional program coordinator, or superintendent, educational researcher, or higher education faculty in the field of education.

Program Overview

The Mission of the Teacher Education department's Educator Preparation Program (EPP) is to collaborate with community partners in order to provide innovative, career-long educator development experiences that respond to the needs of all learners.

Program-Level Outcomes

Our Vision is based on outcomes from four foundational pillars: collaborative relationships; reflection and inquiry; responsive teaching; and innovative leadership. These interrelated values provide the foundation on which we build our classroom practices to support our teacher candidates. Beyond our classrooms, students participate in action research, field placements, and service learning, where they reflect on their understandings of effective teaching practices.

- Collaborative Relationships
  - Build collaborative relationships
  - Develop learning communities
  - Provide academically safe spaces to challenge and question
  - Focus on student learning
- Reflection and Inquiry
  - Engage in critical reflection
  - Examine content, theory, and practice
  - Expand perspectives
  - Deepen understandings
- Responsive Teaching
  - Embrace all members of learning communities
  - Value diversity and inclusivity
  - Model choice, variety, and flexibility
  - Empower individual growth and development
  - Value cultures and lived experiences
- Innovative Leadership
  - Keep student learning at the center
  - Model lifelong learning
  - Adapt to innovations based in research
  - Advocate for instructional innovation, constructivist curricular development, and systemic change
  - Lead from anywhere in any role

Licensure Programs

The EPP is approved by the Wisconsin Department of Public Instruction (WI DPI) and offers pathways leading to provisional (Tier II) teacher licensure according to the following requirements[1]:

Teaching License	Education Major	Content Major[2]	Minor
Art Education, K-Grade 12	NA	Art, BA with a concentration in Art Education	NA
Bilingual/ Bicultural Education; add-on to initial license	NA	NA	NA
Early Childhood, Birth -Grade 3	Early Childhood Education, BS	NA	NA
Elementary/ Middle Education, K-Grade 9	Elementary Education, BS	NA	NA
English as a Second Language, add-on to initial licensure	N/A	N/A	ESL minor required for initial licensure
Music Education, Music All, K-Grade12	NA	Music, BA with a concentration in Music Education	NA
Secondary, Grades 4-12	Secondary Education, BS	English, Mathematics, BS	NA
Cross Categorical Special Education K-Grade 12	Special Education, BS	NA	NA

[1] Due to changes in state requirements this list may change at any time.
[2] See University policy on earning Dual Bachelor's degrees in the catalog.

Exploring Teaching as a Career

Students interested in teaching and the field of education begin by taking EDU 100 Introduction to the Teaching Profession and EDU 200 Teaching the Whole Child. EDU 100 is designed for students to explore the profession of teaching and learning. Students also complete ten volunteer hours with school-aged children. In EDU 200, students explore family and community factors that impact student learning. Both courses are offered before students apply for admission to the Educator Preparation Program and offer the opportunity to determine if the field of education is their desired path.

Criminal Background Check

All students enrolling in courses that require clinical field experience hours at a PK-12 school are required to successfully pass a criminal background check (CBC). Students are responsible for all fees. Criminal background checks are valid for two years and must remain valid over the course of the entire semester. If a CBC would expire during a semester, the student must complete a renewal prior to reporting to the clinical placement.

Each semester that a student has a clinical placement they are required to complete a Self-Reporting Statement. This is a supplemental form to the CBC in which the student acknowledges there have been no changes to their criminal background. In the event there has been a change in the student's criminal background, the Clinical Coordinator will advise the student as to the required next steps which may include completing a full renewal of their CBC.

Students must answer all questions truthfully and honestly when completing the CBC and Self Reporting Statement. Falsification, omission and/or misrepresentation on either of the forms may constitute denial

of admission to the Educator Preparation Program (EPP), delay in progressing through the EPP, and/or dismissal from the EPP.

A "passed" background check is:

- A criminal background check response that has no records
- A criminal background check that includes records that are not automatic denials by the Department of Public Instruction
- A criminal background check that includes records, but, after further review are not deemed to meet the definition of immoral conduct

The existence of a criminal charge and/or record (misdemeanor or felony) does not automatically preclude candidates from admission to the EPP, EPP progression, admission to student teaching, or endorsement of licensure. Each individual circumstance will be evaluated separately by the Chair of Teacher Education and the Certification Officer.

Clinical Placements – Field Experience

Once admitted to the EPP, Teacher Candidates (TCs) work with PK-12 students in local classrooms, also known as clinical placements. TCs work with a licensed mentor teacher and a university supervisor each semester in their clinical placement. The Clinical Coordinator assigns all clinical placements. The Clinical Coordinator intentionally places TCs at a variety of grade levels and school sites to ensure these requirements are sufficiently met for licensure. TCs are not permitted to secure their own clinical placements.

Clinical placements provide TCs classroom experiences and support their progression toward degree completion and licensure. These valuable clinical placements allow TCs opportunities to gain multiple and varied classroom teaching experiences under the direction of PK-12 mentor teachers.

Teacher Candidates must provide their own transportation to and from clinical placements. Teacher Education Major and Educator Preparation Program and licensure requirements take precedent when determining clinical placements. Therefore, field experiences may be outside of Kenosha County, but will be within 30 miles of UW-Parkside. Other factors may result in a placement further from UW-Parkside.

The current total minimum clinical hours by licensure are:

- Art Education – 140 hours[1]
- Early Childhood Education – 120 hours (plus WTCS requirements)[1]
- Elementary/Middle Education – 180 hours[1]
- Music Education - 130 hours[1]
- Secondary Education - 140 hours[1]
- Special Education – 180 hours[1]

[1] Contact the Clinical Coordinator for the most up-to-date list of clinical field experience hours required by major or licensure pathway as they are subject to change at any time at the program's discretion.

Advising

Each semester, pre-admitted students and Teacher Candidates (students who applied and have been admitted to the EPP) in the Teacher Education department are required to meet with the designated advisor to review their progress to date, their plan for program completion, and to receive permission codes to register for EDU courses. Advising in the Teacher Education department is a collaborative process where the advisor and student work as a team to develop a successful advisor/advisee relationship. Each student is responsible for meeting with the advisor to discuss and declare an education major.

Important: All students must meet with the teacher education advisor for curricular and program requirements. Advising on any class or program requirement from anyone but the teacher education advisor will not be deemed official for the EDU program. Rules and regulations for the EDU program change frequently per the State of Wisconsin and any other source of advising cannot be guaranteed to be correct.

Admission Requirements for the Educator Preparation Program

Admission to the Educator Preparation Program is required for students to continue in EDU courses at the 300 level. Once admitted to the EPP, Teacher Candidates (TCs) complete university coursework including clinical placements and licensure requirements.

Applications are accepted in both Fall and Spring semesters for the following term. Admission dates are posted on the Teacher Education website at www.uwp.edu/teacher (http://www.uwp.edu/teacher/). Pre-admitted students should work with the Teacher Education advisor and follow the application process closely to ensure your application is complete and submitted on time. Applications received after the deadline will be processed during the next application period. If you are a transfer student, please see the next section for additional information.

A pre-admitted student's EPP application is considered only when all below requirements are complete. Following are the requirements for admission to the EPP.

- Admission to UW-Parkside;
- A minimum cumulative grade point average of 2.75 on a 4.0 scale, including grades from all higher education institutions attended;
- Completed Plan Declaration;
- Complete EPP Application Form;
- Complete Education Program Disclosure Form;
- Completed UW-Parkside university skills requirements with a grade of C or higher (MATH 102 Quantitative Reasoning or MATH 111 College Algebra I and ENGL 101 Composition and Reading);
- Communication skills assessment (Must meet **one** of the following)
  a. Earn a grade of C+ or better in both ENGL 101 Composition and Reading and MATH 102 Quantitative Reasoning OR MATH 111 College Algebra I (completed within the previous 10 years).
  b. Pass all three sections of the Praxis CORE, with official score report sent to UW-Parkside
  c. ACT – must have a composite score of 23 or higher with a minimum score of 20 on English, Math and Reading **and** the score is within the previous 10 years.
  d. SAT - must have a composite score of 1070 or higher with a minimum score of 520 on math and verbal **and** the score is within the previous 10 years.
  e. GRE Revised General Test- must have a composite score of 298 or higher with a minimum score of 150 on verbal and 145 on math **and** the score is within the previous 10 years.
- For Early Childhood applicants: successful completion of Associate of Applied Science degree in Early Childhood from a Wisconsin Area Technical College (as indicated in state-wide agreement), with an overall minimum cumulative GPA of 2.75, and a minimum GPA of 3.0 in all Early Childhood courses with a grade of C+ or higher; and successful completion, C+ or higher, or current enrollment in

EDU 210 Exploring Equity In Education and EDU 212 Mathematics for Elementary and Middle School Teachers I at time of application;

- For Elementary/Middle Education applicants: successful completion of EDU 212 Mathematics for Elementary and Middle School Teachers I , C+ or higher, and completion or current enrollment in EDU 100 Introduction to the Teaching Profession, EDU 200 Teaching the Whole Child, EDU 210 Exploring Equity In Education, EDU 211 Child and Adolescent Development, and EDU 215 Mathematics for Elementary and Middle School Teachers II at time of application. Note EDU 212 is a prerequisite for EDU 215;
- For Secondary Education applicants: successful completion, grade of C+ or higher, or current enrollment in EDU 100 Introduction to the Teaching Profession, EDU 200 Teaching the Whole Child and EDU 211 Child and Adolescent Development at time of application;
- For Special Education applicants: successful completion of EDU 212 Mathematics for Elementary and Middle School Teachers I, C+ or higher, and completion or current enrollment in EDU 100 Introduction to the Teaching Profession, EDU 101 Introduction to Disability, EDU 200 Teaching the Whole Child, EDU 210 Exploring Equity In Education, EDU 211 Child and Adolescent Development, and EDU 215 Mathematics for Elementary and Middle School Teachers II at time of application. Note EDU 212 is a prerequisite for EDU 215;

Note: All students should check with the Teacher Education advisor for any additional program-specific requirements as they can change without notice due to statute and law change.

Transfer Student Admission Procedure

Students who wish to transfer into UW-Parkside EPP must meet the above admission requirements. Additionally, transfer students may request a course review to determine possible equivalency of competencies met for UW-Parkside courses, including with prior education coursework. At a minimum, transfer students must submit the requested transfer course syllabus that addresses the learning outcomes, course standards , and assessments. The Teacher Education faculty member evaluating the course evidence may require additional information to make a final determination.

Educator Preparation Program Requirements

All students in the Teacher Education department, pre-admits – Teacher Candidates, and Resident Teachers – must meet the following requirements each semester to continue in the major and licensure pathway.

EPP requirements for all students, every semester:

- Cumulative GPA of 2.75 or higher for all undergraduate courses
- EDU Cumulative GPA of 3.0 or higher
- All EDU course grades of C+ or higher

If at any time a student in the Department does not meet these requirements, they will be required to meet with the Teacher Education advisor to create a plan of action to remediate the deficiency, which may result in not being allowed to progress to the next semester. Exceptions to this progression pathway may be made on a case-by-case basis and must be approved by the Teacher Education advisor, Certification Officer, and Department Chair.

Progression Requirements to move to the 300-level (see also Admission Requirements for the Educator Preparation Program above**):**

- Successful completion of ENGL 101 Composition and Reading and MATH 102 Quantitative Reasoning or MATH 111 College Algebra I with a grade of C or higher, or Praxis Core
- Successful completion of the required EDU 100 and 200-level courses
- Admission to the Educator Preparation Program

Progression Requirements to move to the 400-level:

- Successful completion of the required EDU 300-level courses, or permission of Teacher Education Department Chair

Progression Requirements to move to Residency (Student Teaching):

- Successful completion of all Pre-Residency requirements, including all undergraduate courses, EDU clinical hours, and successful completion of EDU Portfolio
- Successful completion of the content assessment requirement by one of the following:
  a. Praxis II Assessment for licensure area
  b. Alternative content assessment per EPP policy

Licensure Requirements

All majors or pathways leading to licensure must meet the requirements of the Wisconsin Department of Public Instruction (WI DPI). DPI may make changes to the requirements for licensure at any time that may affect the Educator Preparation Program (EPP). It is the Teacher Candidate's responsibility to ensure that they meet with the Teacher Education advisor regularly to ensure that they have the most current licensure information.

A Tier II Wisconsin teaching license may be issued to a student who has received endorsement from the EPP's Certification Officer. In order for a student to be endorsed for licensure, they must meet all requirements of the Exit Level Proficiency Policy.

- Successful completion of a licensable major or pathway, academic minor (if required for licensure), baccalaureate degree (if applicable) and UW-Parkside EPP (including student teaching).
- A minimum cumulative grade point average of 2.75 on a 4.0 scale and in EDU, a cumulative GPA of 3.0 or higher, CR (credit) for EDU 425 Residency (Student Teaching) and EDU 420 Residency Seminar Seminar, and no EDU grade lower than a C+.
- Successful completion of all clinical EPP requirements.
- Successful completion of the required content knowledge assessment.
- Successful completion of the Foundations of Reading Test (FORT) for majors/pathways in Early Childhood, Elementary/Middle Education, and Special Education (SPED) or successful completion of the SPED FORT Alternative.
- Successful completion of the pedagogical knowledge assessment per final clinical evaluation.

Out-of-State License Applications

Pursuant to UW System Administrative Policy 121, Teacher Candidates (TCs) who wish to apply for licensure in states outside of Wisconsin should notify the teacher education advisor and Certification Officer as soon as possible and should consult with the Certification Officer about requirements for licensure in the state where they desire licensure. The

Teacher Education Certification Officer and advisor will work with the TC to assist in meeting the licensure requirements of the desired state. It is critical that students identify early in their pathway to licensure if they will be seeking initial licensure outside of Wisconsin.

Post-Baccalaureate Licensure Programs

Post-baccalaureate licensure is available for Teacher Candidates (TCs) who hold a bachelor's degree or above and wish to obtain a Wisconsin teaching license.

Post-baccalaureate TCs must meet the same admission requirements as undergraduate students and will follow the same pathway to licensure as detailed above. For more information, contact the Teacher Education department at teachereducation@uwp.edu or (262) 595-2180.

Programs Offered

- Early Childhood Education Major (BS) (p. 333)
- Elementary Education Major (BS) (p. 335)
- Secondary Education Major (BS) (p. 338)
- Special Education Major (BS) (p. 339)
- English as a Second Language Minor (p. 342)
- Social Studies Education Minor (p. 342)

The Art Major offers a concentration in Art Education (p. 35).

The Music Major offers a concentration in Music Education (p. 276).

Courses in Educator Development

EDU 100 | Introduction to the Teaching Profession | 1 cr

Examines the teaching profession and the multiple roles of teachers through structured observation and discussion of diverse school and classroom environments. Requires 10 hours of field experiences in local PK-12 classrooms.
Prerequisites: Consent of the teacher education program.
Offered: Fall, Spring.

EDU 101 | Introduction to Disability | 3 cr

Focuses on ways in which society defines disabilities and our attempts to adjust and include individuals with disabilities. Addresses history of disability and advocacy, law, accessibility, and the moral obligation of society to accommodate those with differences. Requires 15 hours of service learning at a community organization that serves people with disabilities.
Prerequisites: None.
Offered: Spring.

EDU 200 | Teaching the Whole Child | 1 cr

Examines out-of-school influences on student learning and development and supports analysis of learning environments created by community initiatives and organizations representing the diverse racial cultural, language, and economic groups within southeastern Wisconsin. Emphasizes the exploration of learning as a member of a community. Requires 20 hours of supervised and evaluated field experiences in community placements.
Prerequisites: Consent of the teacher education program.
Offered: Fall, Spring.

EDU 210 | Exploring Equity In Education | 1 cr

Addresses current topics in child and adolescent development emphasizing equity, culturally relevant pedagogy and school environments. Requires 20 hours of supervised and evaluated field experiences in elementary classrooms, focusing on diverse developmental contexts (diversity by race, ethnicity, gender, sexual orientation, SES, and ability).
Prerequisites: Consent of the teacher education program.
Offered: Fall, Spring.

EDU 211 | Child and Adolescent Development | 3 cr

Explores the principles and theories of child growth and development from birth through adolescence, focusing on ages 5-15. Includes physical, social, emotional and cognitive domains of development and application to educational settings.
Prerequisites: Consent of the teacher education program.
Offered: Fall, Spring.

EDU 212 | Mathematics for Elementary and Middle School Teachers I | 3 cr

Focuses on the mathematical knowledge that elementary and middle school teachers need in order to teach successfully in K-9 classrooms.
Prerequisites: Consent of the teacher education program.
Offered: Fall, Spring.

EDU 215 | Mathematics for Elementary and Middle School Teachers II | 5 cr

Introduces mathematical content for grades 4-9 for prospective elementary and middle school teachers. Builds on content from Mathematics for Elementary and Middle School Teachers I. Covers numbers and operations, geometry, measurement, statistics, probability and algebraic reasoning.
Prerequisites: Consent of the teacher education program.
Offered: Fall, Spring.

EDU 225 | Foundations of ESL and Bilingual Education | 3 cr

Provides a general overview of the history, politics, and legal and social contexts of bilingual and English as a second language (ESL) education in the United States and worldwide. Introduces students to second language acquisition (SLA) theory and provides an overview of current research regarding language acquisition and best educational practices for ELLs including assessment techniques.
Prerequisites: Consent of the teacher education program.
Offered: Fall.

EDU 235 | Immigration and Education | 3 cr

Explores historical, social, and linguistic factors as they relate to the cultural characteristics of English language learners (ELLs) in our schools. Emphasizes the relationship between language and culture and how that relationship impacts school achievement.
Prerequisites: None.
Offered: Fall.
Meets: Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity

EDU 300 | Creating Effective Learning Environments | 1 cr

Explores human learning and development and the professional design of effective learning progressions and environments. Introduces models and strategies of instruction derived from specific theoretical perspectives on human learning, development, and difference as they apply in educational practice. Requires 25-30 hours of supervised and evaluated field experiences in local PK-12 classrooms.
Prerequisites: None.
Offered: Fall, Spring.

EDU 304 | Context and Culture In Learning Environments | 3 cr
Explores complex interactions between context, culture, and learning. Examines professional knowledge regarding the role of language, culture, and class on individual and group learning, including learning of specific academic content such as math, science, social studies, and reading.
Prerequisites: Consent of the teacher education program.
Offered: Fall, Spring.

EDU 310 | Family, School, and Community Partnerships | 1 cr
Focuses on the importance of communication and partnership with parents and other community members and organizations to support student success. Requires 25-30 hours of supervised and evaluated field experiences in local PK-12 classrooms.
Prerequisites: Consent of the teacher education program.
Offered: Fall, Spring.

EDU 312 | Designing Learner-Centered Lesson Plans | 3 cr
Develops understanding of current theory, concepts, principles, and models of instructional design and assessment. Applies differentiated learning progressions based on state standards.
Prerequisites: Consent of the teacher education program.
Offered: Fall, Spring.

EDU 314 | Assessment of Learning | 2 cr
Develops understanding of theories of assessment and evaluation of learning, and examine models of classroom assessment design. Explores approaches to classroom assessment, standardized achievement testing, psychometrics, and diagnostic assessments.
Prerequisites: Consent of the teacher education program.
Offered: Spring.

EDU 322 | Teaching Exceptional Learners | 3 cr
Examines differentiated instruction for learners with special needs in general education environments. Introduces the co-teaching model and the collaborative role of general and special educators in general education classrooms.
Prerequisites: Consent of the teacher education program.
Offered: Fall, Spring.

EDU 324 | Individual Learning Design and Technology | 3 cr
Develops familiarity with formal and informal assessments; assistive and adaptive communication devices; assistive technology and services; teaching students with differing ways of learning, behaving, and communicating; managing service providers and paraprofessionals; and lesson planning and adaptation.
Prerequisites: Consent of the teacher education program.
Offered: Fall.

EDU 325 | Introduction to Second Language Acquisition | 3 cr
Introduces sociocultural and linguistic concepts associated with second language acquisition.
Prerequisites: Consent of the teacher education program.
Offered: Spring.

EDU 326 | Behavioral and Psychosocial Models | 3 cr
Develops mastery in psychosocial and behavioral models and strategies.
Prerequisites: Consent of the teacher education program.
Offered: Spring.

EDU 332 | Foundations of Literacy | 2 cr
Provides a basis of instructional literacy strategies, literacy materials, and assessment approaches in K-3 literacy education including phonemic awareness, phonics and spelling, vocabulary development, text structure, fluency, and reading comprehension.
Prerequisites: Consent of the teacher education program.
Offered: Fall.

EDU 333 | Children's and Adolescent Literature and New Literacies | 3 cr
Explores texts associated with children's and adolescent literature and teaches methods of evaluating and selecting appropriate materials for classroom reading instruction.
Prerequisites: Consent of the teacher education program.
Offered: Fall.

EDU 335 | ESL Methods | 3 cr
Examines the knowledge, skills, strategies, and dispositions necessary to support and make accommodations for English language learners in a K-12 classroom.
Prerequisites: Consent of the teacher education program.
Offered: Spring.

EDU 343 | Classroom Management | 3 cr
Introduces group and individual behavior management and instructional procedures that can be used in a variety of educational environments. Emphasizes evidence-based strategies aimed at creating safe, encouraging, and effective learning environments. Requires 25-30 hours of supervised and evaluated field experiences in local PK-12 classrooms
Prerequisites: Consent of the teacher education program.
Offered: Fall, Spring.

EDU 399 | Independent Study | 1-6 cr
Provides opportunity for individual study of topics related to education.
Prerequisites: Consent of the teacher education program.
Offered: Fall, Spring.

EDU 402 | Instructional Models and Strategies | 3 cr
Expands and deepens understanding of theory- and research-based instructional models and strategies, emphasizing the connection between the neurophysiology of learning and development and discipline-specific instructional design, models and strategies.
Prerequisites: Consent of the teacher education program.
Offered: Fall.

EDU 412 | Literacy Development | 3 cr
Expands and deepens understanding of theory- and research-based models of literacy development in reading and writing, emphasizing literacy development in academic content areas.
Prerequisites: Consent of the teacher education program.
Offered: Spring.

EDU 420 | Residency Seminar | 2 cr
Provides opportunity to make sense of the student teaching experience through a professional learning community of teacher candidates. Addresses practical problems and immediate concerns of teacher candidates. This course is graded on a Credit/No Credit basis.
Prerequisites: Consent of the teacher education program.
Offered: Fall, Spring.

EDU 421 | Methods of Teaching and Critical Issues in Secondary Social Studies | 3 cr
Delves into secondary Social Studies teaching methods. Emphasizes the connection between pedagogical knowledge and content knowledge. Examines critical issues and trends in the secondary Social Studies classroom and implications for teaching and learning. Includes assessments aligned towards mastery of WI Academic Social Studies Standards (2018).
Prerequisites: EDU 402.
Offered: Spring.

EDU 422 | Methods of Teaching & Critical Issues in Secondary Content Areas | 3 cr
Emphasizes connection between pedagogy and content knowledge.
Prerequisites: EDU 402 and consent of the institute.
Offered: Spring.

EDU 425 | Residency (Student Teaching) | 10 cr
Provides opportunity for full responsibility in a semester-long clinical evaluation of teaching practice in a PK-12 school. This course is graded on a Credit/No Credit basis.
Prerequisites: Consent of the teacher education program.
Offered: Fall, Spring.

EDU 430 | Using Action Research to Improve Instruction | 2 cr
Provides teacher candidates the opportunity to conduct an action research project to improve student outcomes. Requires 40-60 hours of supervised and evaluated field experiences in local PK-12 classrooms. Community-based learning designation.
Prerequisites: EDU 310.
Offered: Fall, Spring.
Meets: Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning

EDU 431 | Teaching Developmental Mathematics, Grades K-3 | 3 cr
Explores knowledge, skills, and dispositions necessary to teach K-3 developmental mathematics concepts.
Prerequisites: Consent of the teacher education program.
Offered: Fall, Spring.

EDU 432 | Teaching Developmental Literacy, Grades K-3 | 3 cr
Explores knowledge, skills, and dispositions necessary to teach K-3 developmental literacy concepts.
Prerequisites: Consent of the teacher education program.
Offered: Fall, Spring.

EDU 433 | Teaching Developmental Science, Grades K-9 | 3 cr
Explores knowledge, skills, and dispositions necessary to teach K-9 developmental science concepts.
Prerequisites: Consent of the Teacher Education program.
Offered: Spring.

EDU 436 | Literacy Methods In the Second Language Classroom | 3 cr
Covers the practical application of theory and research on language and literacy development in multilingual settings. Emphasizes the importance of developing primary language and culturally appropriate instruction.
Prerequisites: Consent of the teacher education program.
Offered: Spring.

EDU 437 | Academic and Behavioral Assessment | 3 cr
Explores how to gather information, perform non-biased formal and informal assessments, and design and manage daily routines for students. Introduces the Response to Intervention Model.
Prerequisites: Consent of the teacher education program.
Offered: Spring.

EDU 439 | Transition and Self-Determination | 2 cr
Provides instruction on planning post-secondary goals and outcomes for students with disabilities.
Prerequisites: Consent of the teacher education program.
Offered: Fall.

EDU 440 | Teacher Preparation Portfolio Design | 2 cr
Provides support for development of capstone portfolio in the context of classroom experiences and preparation for the edTPA assessment. Requires 40-60 hours of supervised and evaluated field experiences in local PK-12 classrooms.
Prerequisites: EDU 430 and consent of the teacher education program.
Offered: Fall, Spring.

EDU 442 | Teaching Developmental Mathematics, Grades 3-9 | 3 cr
Explores knowledge, skills, and dispositions necessary to teach grades 3-9 developmental mathematics concepts.
Prerequisites: Consent of the teacher education program.
Offered: Fall, Spring.

EDU 443 | Teaching Developmental Literacy, Grades 3-9 | 3 cr
Explores knowledge, skills and dispositions necessary to teach grades 3-9 developmental literacy concepts.
Prerequisites: Consent of the teacher education program.
Offered: Fall, Spring.

EDU 444 | Teaching Developmental Social Studies, Grades K-9 | 2 cr
Explores the knowledge, skills, and dispositions necessary to teach grades K-9 developmental social studies concepts.
Prerequisites: Consent of the teacher education program.
Offered: Fall.

EDU 446 | Assessment In the Second Language Classroom | 3 cr
Covers language assessment in the bilingual/multilingual classroom, along with current assessment trends in Wisconsin including the WIDA "can do" descriptors and the ACCESS test.
Prerequisites: Consent of the teacher education program.
Offered: Fall.

EDU 447 | Case Management and Developing Individualized Plans | 3 cr
Focuses on the process of collaboration and communicating with families, students, school staff, related service providers, and all other stakeholders to develop educational and behavioral plans.
Prerequisites: Consent of the teacher education program.
Offered: Fall.

EDU 490 | Special Topics In Teacher Education | 1-3 cr
Provides an in-depth study of new and/or special-interest subject areas in teacher education. May be repeated with a different topic.
Prerequisites: Consent of the teacher education program.
Offered: Fall, Spring, Summer.

EDU 499 | Independent Study | 1-6 cr
Provides opportunity for individual study of advanced topics related to education.
Prerequisites: Consent of the teacher education program.
Offered: Fall, Spring.

Courses in Professional Development

Enrollment in PDEV courses requires the consent of the PDEV program in the Teacher Education department.

PDEV 395 | Educators Workshop | 1-6 cr
Review and analysis of current trends in educational models, methods and resources with the goal of practical application in current programs. Workshop participants are expected to be involved actively in group experiences, research, and classroom presentations and discussions. Critical thinking and problem solving are emphasized. Developmentally appropriate practice is stressed. May be repeated with different content. Students may choose graded on credit/no credit or letter grade basis.
Prerequisites: Junior standing or consent of instructor.
Offered: Occasionally.

PDEV 411 | Introduction to Bilingual Education | 2 cr
Explores the historical, political, and legal implications of bilingual education in the United States. Examines the development of educational program models to meet the needs of linguistically diverse students.
Prerequisites: Consent of program.
Offered: Summer.

PDEV 413 | Bilingual/Bicultural Identity | 2 cr
Examines cultural, linguistic and social diversity in education and its history. Focuses on social justice pedagogy to empower teachers to be advocates and allies for a more equitable education for students.
Prerequisites: Consent of program.
Offered: Summer.

PDEV 415 | Introduction to Language Acquisition | 2 cr
Explores theories and models of language acquisition. Examines teaching approaches necessary to address the educational needs of all language learners. Consent of program.
Offered: Fall.

PDEV 417 | Foundations of Language and Literacy | 2 cr
Examines the complexity of language acquisition and literacy development, focusing on typical and atypical language development, connections between language and literacy, and diversity of communication styles in families and cultures.
Prerequisites: Consent of program.
Offered: Fall.

PDEV 419 | Developing Academic Language in a Bilingual Classroom | 3 cr
Introduces the role of academic language in the educational experience, including multilingualism and regional and social dialects. Explores the importance of planning and scaffolding for academic language development and awareness.
Prerequisites: Consent of program.
Offered: Winterim.

PDEV 421 | Advanced Language and Literacy | 2 cr
Provides a broad understanding of the theoretical and methodological frameworks used to study bilingualism and multilingualism in globalized contexts.
Prerequisites: Consent of program.
Offered: Spring.

PDEV 423 | Advanced Biliteracy | 2 cr
Investigates the concept of metalinguistic awareness to explain the transfer of linguistic knowledge across languages. Addresses advanced linguistic concepts such as phonetics, phonology, morphology, and grammar and their application in educational contexts.
Prerequisites: Consent of program.
Offered: Spring.

PDEV 427 | Assessing Multilingual Learners | 3 cr
Explores considerations in biliteracy development, bilingual instruction, assessment, and materials for emergent bilinguals. Considers issues in multi-language assessment, including reliability, validity, test bias, and standardization.
Prerequisites: Consent of program.
Offered: Summer.

PDEV 460 | Introduction to Special Education and Inclusion | 3 cr
Examines differentiated instruction for learners with special needs in general education environments, introduces the co-teaching model and collaborative role of general and special educators in general education classrooms.
Prerequisites: Consent of program.
Offered: Fall.

PDEV 462 | Assessment and the IEP Process | 3 cr
Focuses on formal and informal assessment and the creation of reports and plans based on this information. Familiarizes participants with the ongoing cycle of assessment and instruction and introduces the design of tiered interventions within the Response to Intervention model.
Prerequisites: Consent of program.
Offered: Fall.

PDEV 464 | Collaboration With Families and Colleagues | 3 cr
Introduces caseload management and longitudinal planning for students birth-21, focusing on collaboration with colleagues to develop optimal learning experiences for students with special needs. Addresses culturally responsive ways of collaborating with students, families, and educational stakeholders to create teams that work together to maximize student outcomes.
Prerequisites: Consent of program director.
Offered: Winterim.

PDEV 466 | Specially Designed Instruction For Diverse Students | 3 cr
Continues mastery of educational models and strategies developed in previous coursework. Focuses on design of Instruction around Assistive and Adaptive Communication devices, Assistive Technology devices and services, managing service providers and paraprofessionals, and lesson planning and adaptation.
Prerequisites: Consent of program director; admission to STAR program required.
Offered: Spring.

PDEV 468 | Behavior and Psychosocial Factors in the Classroom | 3 cr
Focuses on selection of appropriate adaptive curricula for students with moderate to severe challenges to help increase independence. Explores crisis prevention and intervention skills to address and diffuse student behaviors. Specific focus on Response to Intervention model for behavior, particularly Tier One: School-wide Positive Behavioral Interventions and Supports.
Prerequisites: Consent of program director; admission to STAR program required.
Offered: Spring.

PDEV 470 | Instructional Methods For Developmental Literacy | 2-3 cr
Explores best practices in teaching literacy for birth through grade 9. Emphasizes balanced literacy, including reading and writing workshops, the teaching of phonics through direct instruction and word study, decoding, comprehension of narrative and expository texts, and selection of diverse children's literature.
Prerequisites: Consent of program director; admission to STAR program required.
Offered: Summer.

PDEV 472 | Instructional Methods For Developmental Mathematics | 2-3 cr
Explores best practices in teaching mathematics for kindergarten through grade 9, including mathematical concepts of numbers and their origins, place value, patterns, the study of sets, arithmetic operations, geometric shapes and their properties, measurement, and symmetry. Examines the use of patterns as problem-solving tools and alignment of problem-solving lessons to academic standards in K-9 classroom settings.
Prerequisites: Consent of program director; admission to STAR program required.
Offered: Summer.

PDEV 474 | Literacy Foundations | 2 cr
Examines different theories and approaches for teaching reading, including developmental, sociocultural, and linguistic models. Emphasizes foundations of literacy processes, language development, and literacy instruction related to phonological and phonemic awareness, English orthography, concepts of print, phonics and word identification, vocabulary, comprehension, and content area literacy.
Prerequisites: Consent of program director; admission to STAR program required.
Offered: Summer.

PDEV 481 | Disability Across the Lifespan | 3 cr
Addresses ways in which society defines disabilities and attempts to adjust and include individuals with disabilities, including history of disability and advocacy, law and accessibility. Explores evidence-based career/vocational transition programs for individuals with mild/moderate cognitive disabilities and autism spectrum disorder to support planning for students with disabilities toward post secondary goals and outcomes.
Prerequisites: Consent of program.
Offered: Fall.

PDEV 482 | Culturally Responsive Teaching | 3 cr
Addresses multiple forms of difference that define unequal positions of power in the United States and the impact on educational systems nationally, across Wisconsin, and regionally. Explores critical content, including but not limited to school segregation, social construction of difference, definitions of equity, systems of privilege and oppression, and formation of identity that affects classroom dynamics.
Prerequisites: Consent of program.
Offered: Fall.

PDEV 484 | Development of Children and Adolescents | 2 cr
Explores historical, psychological, and contemporary principles and theories of child growth and development from birth through adolescence, focusing on physical, social, emotional and cognitive domains of development and their application to classroom settings. Emphasizes developmentally appropriate practices across elementary and middle education settings and different developmental levels.
Prerequisites: Consent of program.
Offered: Winterim.

PDEV 486 | Environmental Education | 1 cr
Explores fundamental knowledge of elementary science teaching and learning, including standards-based curriculum design and evidence-based teaching strategies. Focuses on development of inquiry based lessons for grades K-9 around major ecological concepts and environmental problems that affect our world.
Prerequisites: Consent of program.
Offered: Winterim.

PDEV 488 | Applied Leadership and Collaboration Seminar | 2 cr
Addresses systems and management knowledge necessary to advocate for students with special needs. Explores and manages continuous collaboration with education stakeholders within the context of full-time Residency.
Prerequisites: Consent of program.
Offered: Spring.

PDEV 491 | Residency | 2 cr
Provides candidates with a full-semester, full-day, co-teaching clinical experience to develop and enhance the knowledge, skills, and dispositions necessary to positively impact student learning and development.
Prerequisites: Consent of program.
Offered: Spring.

PDEV 492 | Residency Portfolio | 2 cr
Provides support in the completion and submission of candidates' teaching portfolios, including the edTPA.
Prerequisites: Consent of program.
Offered: Summer.

Early Childhood Education Major (BS)

Department website (https://www.uwp.edu/learn/programs/educationearlychildhood.cfm)

College: College of Social Sciences & Professional Studies

The bachelor of science with a major in early childhood education includes a range of essential foundational "core" classes as well as courses in specialized areas pertinent to teaching and learning at early childhood developmental levels. The content of the courses in each program is guided by national standards and the Wisconsin Department of Public Instruction teacher standards as well as five integrated themes identified as foundational elements which are embedded in each education course: collaboration with regional partners to support clinical experiences, culturally responsive teaching, reflective practice, civic engagement and empowerment, and the integration of digital technology to enhance teaching and learning.

Early Childhood – Education Licensure: ages birth – 8, grades K-3
Requires a minimum of 140 clinical hours.

Degree Requirements

See the Degree Requirements for the Bachelor of Arts or Bachelor of Science policy in the Academic Catalog. Completing the degree requirements does not automatically lead to an endorsement for a teaching license. Student must meet the teaching license requirements listed below.

Licensure Requirements

All majors or pathways leading to licensure must meet the requirements of the Wisconsin Department of Public Instruction (DPI). DPI may make changes to the requirements for licensure at any time that may affect the

teacher education program. It is the students' responsibility to ensure that they are meeting with the teacher education advisor regularly to ensure that they have the most current licensure information.

A Tier II Wisconsin teaching license may be issued to a student who has received endorsement from the teacher education program's Certification Officer. In order for a student to be endorsed for licensure, they must meet all requirements of the Exit Level Proficiency Policy.

· Successful completion of a licensable major or pathway, academic minor (if required for licensure), baccalaureate degree (if applicable) and UW-Parkside teacher education program (including student teaching).

· Successful completion of all clinical program requirements.

· Successful completion of the required content knowledge assessment.

· Successful completion of the Foundations of Reading Test (FORT) (for majors/pathways in early childhood, elementary education, and special education).

· Successful completion of the pedagogical knowledge assessment determined by the program.

· A minimum cumulative grade point average of 2.75 on a 4.0 scale **and** a department (EDU) GPA of 3.0 or higher in the teacher education program (all EDU courses) with no single EDU course grade lower than a C+ (with the exception of student teaching coursework, which requires a grade of CR.)

Requirements for the Early Childhood Education Major

The early childhood education major is a A+B articulation program in cooperation with the Wisconsin Technical College System. A student must first complete the A.A.S. in Early Childhood Education from a Wisconsin Technical Colleges institution prior to enrolling at UW-Parkside and declaring a Bachelor of Science with a major in Early Childhood Education. Program to program transfer courses/credits are accepted only for the degree specified in the articulation agreement. Admission to UW-Parkside does not guarantee admission to the early childhood education major.

Complete clinical and residency requirements; complete pre-residency requirements; comply with content knowledge policy.

Recommended General Education Courses

The teacher education program is committed to supporting the liberal arts education at UW-Parkside through the general education program. The teacher education program recommends the following courses that meet both the university general education requirements as well as content knowledge policy requirements. Alternate courses may be substituted for courses on this list; however, students should consult with the teacher education advisor each semester to ensure that they understand and are meeting requirements of the program's content knowledge policy.

Code	Title	Credits
Humanities and the Arts		
COMM 105	Public Speaking for the 21st Century	3
ENGL 167	Introduction to Literature	3
Choose any two courses from the general education list to complete the required 12 credits		6
Humanities and the Arts Subtotal		12
Social and Behavioral Science		
HIST 101	The United States: Origins to Reconstruction	3
or HIST 102	The United States: Reconstruction to Recent Times	
HIST 119	Western Civilization II: The Middle Ages to 1815	3
or HIST 128	World History III: From 1800 to the Present	
Select one of the following:		3
GEOG 101	Geography of American Ethnicity and Race	
GEOG 105	Contemporary Human Geography	
GEOG 110	Introduction to Geography: World Regions	
Select one of the following:		3
ECON 101	The American Economy	
POLS 100	American Politics	
POLS 105	Introduction to Politics	
Social and Behavioral Science Subtotal		12
Natural and Health Sciences		
Select one of the following:		3-4
BIOS 100	Nature of Life	
BIOS 101	Bioscience	
BIOS 103	Human Biology	
Select one of the following:		3-4
GEOG 100	Physical Geography and the Environment	
GEOS 100	Earth in Perspective	
PHYS 110	Introduction to Astronomy	
PHYS 120	Astronomy of Native America	
Select one of the following:		3-4
CHEM 100	The World of Chemistry	
CHEM 101	General Chemistry I	
PHYS 101	Principles of Physics	
Choose any course from the Natural Sciences general education list to complete the required 12 credits (if needed)		3-4
Natural and Health Sciences Subtotal		12-16
Total Credits		**36-40**

Required Major Courses

Code	Title	Credits
Complete AAS in WTCS Early Childhood Education		
Required for admission into the major		
Pre-Professional Sequence		
EDU 210	Exploring Equity In Education	1
EDU 212	Mathematics for Elementary and Middle School Teachers I	3
Pre-Professional Sequence Subtotal		4
Developing Expertise Sequence		
EDU 304	Context and Culture In Learning Environments	3
EDU 312	Designing Learner-Centered Lesson Plans	3
EDU 325	Introduction to Second Language Acquisition	3
EDU 332	Foundations of Literacy	2
EDU 333	Children's and Adolescent Literature and New Literacies	3
Developing Expertise Sequence Subtotal		14

Demonstrating Expertise in Practice Sequence		
EDU 430	Using Action Research to Improve Instruction	2
EDU 431	Teaching Developmental Mathematics, Grades K-3	3
EDU 432	Teaching Developmental Literacy, Grades K-3	3
EDU 433	Teaching Developmental Science, Grades K-9	3
EDU 440	Teacher Preparation Portfolio Design	2
Demonstrating Expertise in Practice Sequence Subtotal		13
The Residency		
EDU 420	Residency Seminar	2
EDU 425	Residency (Student Teaching)	10
The Residency Subtotal		12
Total Credits		**43**

General University Degree Requirements (Bachelor's Degree)

In addition to individual program requirements, students must also fulfill the following requirements:

Requirement	Credits
Skills	7-8
General Education	36
Foreign Language**	6-8
Ethnic Diversity	3
Total	52-55

** Transfer students in sustainable management, and health information management and technology collaborative, online degree-completion programs, the business management online degree-completion program, and the flexible option degree-completion program will be exempt from the university's foreign language requirement. See appropriate academic section for further information.

Skills Requirement (p. 13)

Code	Title	Credits
Reading and Writing		
ENGL 101	Composition and Reading	3
Computational Skills		
Select one of the following:		4-5
MATH 102	Quantitative Reasoning	
MATH 103	Elementary Statistics	
MATH 104	College Mathematics with Applications	
MATH 111	College Algebra I	
Total Credits		**7-8**

General Education (p. 13)

- General Education Course List (p. 157)

Foreign Language (p. 13)

Ethnic Diversity (p. 13)

Degree Requirements

Requirement	Credits
Minimum Total Credits	120
Upper Level Credits (300 level or above)	36
Residency	30

Cumulative Degree GPA: 2.0 minimum

Elementary Education Major (BS)

Department website (https://www.uwp.edu/learn/programs/education-elementary.cfm)

College: College of Social Sciences & Professional Studies

The elementary education major is designed for UW-Parkside students who wish to teach at the elementary and/or middle school level. The completion of the major will lead to a Bachelor of Science degree with a major in Elementary Education. The core program, grounded in child development, learning in social and cultural contexts, curricular design, assessment and data driven decisions, and subject specific pedagogy, will prepare UW-Parkside student who successfully pass all program and licensure requirements to earn a license to teach children in grades K-9.

Changes to the Wisconsin Administrative Rule for teacher licensing, PI 34, have led to changes in licensure categories for the Elementary Education Major. The former Middle Childhood-Early Adolescence (MC-EA) pathway licenses teachers for grades 1-8, while the new licensure pathway, Elementary/Middle School, licenses teachers for grades K-9. Requirements within the major differ for these licensure pathways.

- All students who declare a major in Elementary Education beginning in the Fall 2021 semester will be admitted to the Elementary/Middle School (K-9) license pathway and must complete all requirements within the major for that license as indicated in this catalog.
- Students who declared a major in Elementary Education prior to Fall 2021 will be permitted to change their licensure pathway from MC-EA to Elementary/Middle School by updating their catalog year to the 2021-2023 catalog, with the understanding that doing so may delay their graduation date due to additional course requirements for the major.
- Students who declared a major in Elementary Education prior to Fall 2021 will be permitted to maintain the pre-2021 Elementary Education major and MC-EA licensure pathway, meeting requirements of their catalog year. These students should consult the academic catalog of their catalog year for details on MC-EA major and licensure requirements and clarify these requirements with the teacher education advisor.

Students who declared a major in Elementary Education prior to Fall 2021 who wish to change to the Elementary/Middle School license pathway must meet with the teacher education advisor and complete a new plan declaration and catalog change form.

Students who complete the Elementary Education major may apply to be certified to teach in grades K-9 through an Elementary/Middle School teaching license. Candidates may choose one of three license pathways as declared Elementary Education majors under this catalog year:

- Elementary/Middle School license pathway, where candidates graduate with a Bachelor of Science degree with a major in Elementary Education and will be eligible for an elementary/middle school license if all licensure requirements are met;

- Dual license pathway, where candidates complete all coursework required for an additional license in either English as a Second Language (12 credits) or Special Education (17 credits), and will graduate with a Bachelor of Science degree with a major in Elementary Education and will be eligible for an Elementary/Middle School license AND a license in either ESL or Special Education if all licensure requirements are met (see those sections of the catalog for specific license requirements);
- Non-licensure pathway, where candidates complete all Elementary Education degree requirements with the exception of EDU 420: Residency Seminar and EDU 425: Residency, and will graduate with a Bachelor of Science degree with a major in Elementary Education, but will not be eligible for licensure.

Candidates who declare the Elementary Education major for this catalog year but do not pursue licensure must complete all Elementary Education major course requirements, with the exception of EDU 420: Residency Seminar and EDU 425: Residency. Candidates must also complete additional content coursework from an approved list to total 120 degree credits. Candidates will graduate with Bachelor of Science degree with a major in Elementary Education, but will not be eligible for licensure. Candidates choosing this pathway must meet with the teacher education advisor to ensure that all degree requirements are met.

Requires a minimum of 230 clinical hours.

Degree Requirements

See the Degree Requirements for the Bachelor of Arts or Bachelor of Science policy in the Academic Catalog. Completing the degree requirements does not automatically lead to an endorsement for a teaching license. Student must meet the teaching license requirements listed below.

Licensure Requirements

All majors or pathways leading to licensure must meet the requirements of the Wisconsin Department of Public Instruction (DPI). DPI may make changes to the requirements for licensure at any time that may affect the teacher education program. It is the students' responsibility to ensure that they are meeting with the teacher education advisor regularly to ensure that they have the most current licensure information.

A Tier II Wisconsin teaching license may be issued to a student who has received endorsement from the teacher education program's Certification Officer. In order for a student to be endorsed for licensure, they must meet all requirements of the Exit Level Proficiency Policy.

· Successful completion of a licensable major or pathway, academic minor (if required for licensure), baccalaureate degree (if applicable) and UW-Parkside teacher education program (including student teaching).

· Successful completion of all clinical program requirements.

· Successful completion of the required content knowledge assessment.

· Successful completion of the Foundations of Reading Test (FORT) (for majors/pathways in early childhood, elementary education, and special education).

· Successful completion of the pedagogical knowledge assessment determined by the program.

· A minimum cumulative grade point average of 2.75 on a 4.0 scale **and** a department (EDU) GPA of 3.0 or higher in the teacher education program (all EDU courses) with no single EDU course grade lower than a C+ (with the exception of student teaching coursework, which requires a grade of CR.)

Requirements for the Elementary Education Major

Documented Completion of University Skills Requirements (English 101 and Math 102/111 required; C or better in these classes required).

GPA Requirement: 2.75 cumulative GPA, including all higher education coursework; requires official transcripts from all post-secondary institution.

Communication Skills Requirement (One of the following):

- **Praxis CORE** - Passing scores in reading (156), writing (162), and math (150). When registering for the test, indicate UW-Parkside as a score recipient (1860).
- **ACT** - Composite score of 23 with minimum score of 20 on English, Math, and Reading, and the score is within the previous 10 years.
- **SAT** - minimum score of 510 on Critical Reading, 480 on Writing, and 520 on Math AND the score is within the previous 10 years.
- **GRE Revised General Test** - minimum score of 450 on Verbal Reasoning, 3 on Analytical Writing, and 540 on Quantitative Reasoning (prior to August 1, 2011) or a minimum score of 150 on Verbal Reasoning, 3 on Analytical Writing, and 145 on Quantitative Reasoning (after August 1, 2011) AND the score is within the previous 10 years.
- **Alternative Option** - Grade of C+ or better in both ENGL 101 and MATH 102 or MATH 111 AND the grades are within the previous 10 years.

Successful completion (grade of C+ or better) or current enrollment in EDU 100, EDU 200, EDU 210, EDU 211, and EDU 212 at the time of application (EDU 215 required for K-9 licensure pathway).

Completed Educator Preparation Application for Admission **(**https://www.uwp.edu/learn/departments/educatordevelopment/admissions.cfm**), submitted by deadline.**

Completed Education Program Disclosure Form **(**https://www.uwp.edu/learn/departments/educatordevelopment/admissions.cfm**).**

Successful completion of clinical and residency program; successful completion of pre-residency portfolio; compliance with content knowledge policy.

Recommended General Education Courses

The teacher education program is committed to supporting the liberal arts education at UW-Parkside through the general education program. The teacher education program recommends the following courses that meet both the university general education requirements as well as content knowledge policy requirements. Students should consult with the teacher education advisor each semester to ensure that they understand and are meeting requirements of the program's content knowledge policy.

Code	Title	Credits
Humanities and the Arts		
COMM 105	Public Speaking for the 21st Century	3
ENGL 167	Introduction to Literature	3
Choose any two courses from the Humanities and the Arts general education list		6

Humanities and the Arts Subtotal		12
Social and Behavioral Science		
HIST 101	The United States: Origins to Reconstruction	3
or HIST 102	The United States: Reconstruction to Recent Times	
HIST 119	Western Civilization II: The Middle Ages to 1815	3
or HIST 128	World History III: From 1800 to the Present	
Select one of the following:		3
GEOG 101	Geography of American Ethnicity and Race	
GEOG 105	Contemporary Human Geography	
GEOG 110	Introduction to Geography: World Regions	
Select one of the following:		3
ECON 101	The American Economy	
POLS 100	American Politics	
POLS 105	Introduction to Politics	
SOCA 101	Introduction to Sociology	
Social and Behavioral Science Subtotal		12
Natural and Health Sciences		
Select one of the following:		3-4
BIOS 100	Nature of Life	
BIOS 101	Bioscience	
BIOS 103	Human Biology	
Select one of the following:		3-4
GEOG 100	Physical Geography and the Environment	
GEOS 100	Earth in Perspective	
PHYS 110	Introduction to Astronomy	
PHYS 120	Astronomy of Native America	
Select one of the following:		3-4
CHEM 100	The World of Chemistry	
CHEM 101	General Chemistry I	
PHYS 101	Principles of Physics	
Choose one course from the Natural Sciences general education list to complete the required 12 credits (if needed)		3-4
Natural and Health Sciences Subtotal		12-16
Total Credits		**36-40**

Required Major Courses

Code	Title	Credits
Pre-Professional Sequence		
EDU 100	Introduction to the Teaching Profession	1
EDU 200	Teaching the Whole Child	1
EDU 210	Exploring Equity In Education	1
EDU 211	Child and Adolescent Development	3
EDU 212	Mathematics for Elementary and Middle School Teachers I	3
EDU 215	Mathematics for Elementary and Middle School Teachers II	5
Pre-Professional Sequence Subtotal		14
Developing Expertise Sequence		
EDU 300	Creating Effective Learning Environments	1
EDU 304	Context and Culture In Learning Environments	3
EDU 310	Family, School, and Community Partnerships	1
EDU 312	Designing Learner-Centered Lesson Plans	3
EDU 322	Teaching Exceptional Learners	3
EDU 325	Introduction to Second Language Acquisition	3
EDU 332	Foundations of Literacy	2
EDU 333	Children's and Adolescent Literature and New Literacies	3
EDU 335	ESL Methods	3
EDU 343	Classroom Management	3
MUSE 303	Interdisciplinary Teaching and Learning	2
Developing Expertise Sequence Subtotal		27
Demonstrating Expertise in Practice Sequence		
EDU 430	Using Action Research to Improve Instruction	2
EDU 431	Teaching Developmental Mathematics, Grades K-3	3
EDU 432	Teaching Developmental Literacy, Grades K-3	3
EDU 433	Teaching Developmental Science, Grades K-9	3
EDU 440	Teacher Preparation Portfolio Design	2
EDU 442	Teaching Developmental Mathematics, Grades 3-9	3
EDU 443	Teaching Developmental Literacy, Grades 3-9	3
EDU 444	Teaching Developmental Social Studies, Grades K-9	2
Demonstrating Expertise in Practice Sequence Subtotal		21
The Residency		
EDU 420	Residency Seminar	2
EDU 425	Residency (Student Teaching)	10
The Residency Subtotal		12
Total Credits		**74**

General University Degree Requirements (Bachelor's Degree)

In addition to individual program requirements, students must also fulfill the following requirements:

Requirement	Credits
Skills	7-8
General Education	36
Foreign Language**	6-8
Ethnic Diversity	3
Total	52-55

** Transfer students in sustainable management, and health information management and technology collaborative, online degree-completion programs, the business management online degree-completion program, and the flexible option degree-completion program will be exempt from the university's foreign language requirement. See appropriate academic section for further information.

Skills Requirement (p. 13)

Code	Title	Credits
Reading and Writing		
ENGL 101	Composition and Reading	3
Computational Skills		
Select one of the following:		4-5
MATH 102	Quantitative Reasoning	
MATH 103	Elementary Statistics	
MATH 104	College Mathematics with Applications	

MATH 111	College Algebra I	
Total Credits		**7-8**

General Education (p. 13)

- General Education Course List (p. 157)

Foreign Language (p. 13)

Ethnic Diversity (p. 13)

Degree Requirements

Requirement	Credits
Minimum Total Credits	120
Upper Level Credits (300 level or above)	36
Residency	30

Cumulative Degree GPA: 2.0 minimum

Secondary Education Major (BS)

Department website (https://www.uwp.edu/learn/programs/education-secondary.cfm)

College: College of Social Sciences & Professional Studies

The secondary education major is designed for UW-Parkside students who wish to teach in a content area classroom at the middle and/or high school level. The completion of the major will lead to a bachelor of science degree with a major in secondary education. In addition to the secondary education major, students must also complete an approved content major or minor in the field in which they would like to teach.

Program Learning Outcomes

1. Pupil development. The teacher understands how pupils grow and develop, recognizing that patterns of learning and development vary individually within and across the cognitive, linguistic, social, emotional, and physical areas. The teacher designs and implements developmentally appropriate and challenging learning experiences for pupils.
2. Learning differences. The teacher uses his or her understanding of individual pupil differences and diverse cultures and communities to ensure inclusive learning environments that enable each pupil to meet high standards.
3. Learning environments. The teacher works with others to create environments that support individual and collaborative learning, and that encourage positive social interaction, active engagement in learning, and self-motivation.
4. Content knowledge. The teacher understands the central concepts, tools of inquiry, and structures of each discipline he or she teaches. The teacher creates learning experiences that make the discipline accessible and meaningful for pupils to assure mastery of the content.
5. Application of content. The teacher understands how to connect concepts and use differing perspectives to engage pupils in critical thinking, creativity, and collaborative problem solving related to authentic local and global issues.
6. Assessment. The teacher understands and uses multiple methods of assessment to engage pupils in their own growth, to monitor pupil progress, and to guide the teacher's and pupil's decision making.
7. Planning for instruction. The teacher plans instruction that supports every pupil in meeting rigorous learning goals by drawing upon knowledge of content areas, curriculum, cross-disciplinary skills, pedagogy, pupils, and pupils' communities.
8. Instructional strategies. The teacher understands and uses a variety of instructional strategies to encourage pupils to develop a deep understanding of content areas and their connections, and to develop skills to apply knowledge in a meaningful way.
9. Professional learning and ethical practice. The teacher engages in ongoing professional learning. The teacher uses evidence to continuously evaluate the teacher's practice, including the effects of the teacher's choices and actions on pupils, their families, other educators, and the community. The teacher adapts the teacher's practice to meet the needs of each pupil.
10. Leadership and collaboration. The teacher seeks appropriate leadership roles and opportunity in order to take responsibility for pupil learning, to collaborate with pupils, their families, educators, and the community, and to advance the profession.

Requirements for the Secondary Education Major

A minimum cumulative grade point average of 2.75 on a 4.0 scale, including grades from all higher education institutions attended;

Completed Plan Declaration;

Complete EPP Application Form;

Meet Communication skills requirement;

Complete Education Program Disclosure Form;

Completed UW-Parkside university skills requirements with a grade of C or higher (MATH 102 Quantitative Reasoning or MATH 111 College Algebra I and ENGL 101 Composition and Reading);

For Secondary Education applicants: successful completion (grade of C+ or better) or current enrollment in EDU 100 (https://catalog.uwp.edu/search/?P=EDU%20100) Introduction to the Teaching Profession, EDU 200 (https://catalog.uwp.edu/search/?P=EDU%20200) Teaching the Whole Child, EDU 210 Exploring Equity in Education, and EDU 211 (https://catalog.uwp.edu/search/?P=EDU%20211) Child and Adolescent Development at time of application;

Students must meet clinical requirements.

Students must also complete an approved content major or minor in the field in which they would like to teach.

Required Major Courses

Code	Title	Credits
Pre-Professional Sequence		
EDU 100	Introduction to the Teaching Profession	1
EDU 200	Teaching the Whole Child	1
EDU 210	Exploring Equity In Education	1
EDU 211	Child and Adolescent Development	3
Pre-Professional Sequence Subtotal		*6*
Developing Expertise Sequence		

EDU 300	Creating Effective Learning Environments	1
EDU 304	Context and Culture In Learning Environments	3
EDU 310	Family, School, and Community Partnerships	1
EDU 312	Designing Learner-Centered Lesson Plans	3
EDU 322	Teaching Exceptional Learners	3
EDU 343	Classroom Management	3
Developing Expertise Sequence Subtotal		*14*
Demonstrating Expertise in Practice Sequence		
EDU 402	Instructional Models and Strategies	3
EDU 412	Literacy Development	3
EDU 421	Methods of Teaching and Critical Issues in Secondary Social Studies	3
or EDU 422	Methods of Teaching & Critical Issues in Secondary Content Areas	
EDU 430	Using Action Research to Improve Instruction	2
EDU 440	Teacher Preparation Portfolio Design	2
Demonstrating Expertise in Practice Sequence Subtotal		*13*
The Residency		
EDU 420	Residency Seminar	2
EDU 425	Residency (Student Teaching)	10
The Residency Subtotal		*12*
Total Credits		**45**

Required Content Major or Minor [1]

Select one:

- English with a concentration in Language Arts (40 credits)
- Mathematics (44-48 credits)
- Social Studies Education Minor (21 credits)

[1] Check with the teacher education advisor for the most up-to-date list of approved content majors.

General University Degree Requirements (Bachelor's Degree)

In addition to individual program requirements, students must also fulfill the following requirements:

Requirement	Credits
Skills	7-8
General Education	36
Foreign Language**	6-8
Ethnic Diversity	3
Total	52-55

** Transfer students in sustainable management, and health information management and technology collaborative, online degree-completion programs, the business management online degree-completion program, and the flexible option degree-completion program will be exempt from the university's foreign language requirement. See appropriate academic section for further information.

Skills Requirement (p. 13)

Code	Title	Credits
Reading and Writing		
ENGL 101	Composition and Reading	3
Computational Skills		
Select one of the following:		4-5
MATH 102	Quantitative Reasoning	
MATH 103	Elementary Statistics	
MATH 104	College Mathematics with Applications	
MATH 111	College Algebra I	
Total Credits		**7-8**

General Education (p. 13)

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Foreign Language (p. 13)

Ethnic Diversity (p. 13)

Degree Requirements

Requirement	Credits
Minimum Total Credits	120
Upper Level Credits (300 level or above)	36
Residency	30

Cumulative Degree GPA: 2.0 minimum

Special Education Major (BS)

Department website (https://www.uwp.edu/learn/programs/education-special.cfm)

College: College of Social Sciences & Professional Studies

The kindergarten through grade 12 (K-12) cross-categorical special education license at UW-Parkside is offered through a bachelor's degree program with a major in special education or as a post-baccalaureate license for candidates already holding a bachelor's degree. This license can also be added on as an additional license for teachers holding a regular education license at the elementary and middle school (K-9) level, or the equivalent.

Candidates seeking a bachelor's degree with a major in Special Education will complete requirements for the K-12 cross-categorical special education license simultaneously as they work towards their degree. Candidates seeking a K-12 cross-categorical special education license as a post-baccalaureate candidate must hold a bachelor's degree from an accredited institution of higher education.

Once all requirements for licensure are met, candidates will be endorsed for a K-12 cross-categorical special education license in alignment with PI 34.049 and will be authorized to teach cross-categorical special education in kindergarten through twelfth grade.

Courses in this program are offered in face-to-face, online, and hybrid formats, with the majority of coursework taking place in a face-to-face format.

(81 credits and 250 clinical hours)

Special Education - Cross Categorical Learning Outcomes

The following learning outcomes are based on the Council for Exceptional Children's 2020 Initial Standards for Teacher Preparation (https://exceptionalchildren.org/special-education-preparation-standards

(https://exceptionalchildren.org/special-education-preparation-standards/)). The Wisconsin Department of Public Instruction has approved UW-Parkside's special education cross-categorical license based on these standards.

1. Engaging in Professional Learning and Practice with Ethical Guidelines.
2. Understanding and Addressing Each Individual's Developmental and Learning Needs.
3. Demonstrating Subject Matter Content and Specialized Curricular Knowledge.
4. Using Assessment to Understand the Learner and the Learning Environment for Data-Based Decision Making.
5. Supporting Learning Using Effective Instruction.
6. Supporting Social, Emotional, and Behavioral Growth.
7. Collaboration with Team Members.

Degree Requirements

See the Degree Requirements for the Bachelor of Arts or Bachelor of Science policy in the Academic Catalog. Completing the degree requirements does not automatically lead to an endorsement for a teaching license. Student must meet the teaching license requirements listed below.

Licensure Requirements

All majors or pathways leading to licensure must meet the requirements of the Wisconsin Department of Public Instruction (DPI). DPI may make changes to the requirements for licensure at any time that may affect the teacher education program. It is the students' responsibility to ensure that they are meeting with the teacher education advisor regularly to ensure that they have the most current licensure information.

A Tier II Wisconsin teaching license may be issued to a student who has received endorsement from the teacher education program's Certification Officer. In order for a student to be endorsed for licensure, they must meet all requirements of the Exit Level Proficiency Policy.

- Successful completion of a licensable major or pathway, academic minor (if required for licensure), baccalaureate degree (if applicable) and UW-Parkside teacher education program (including student teaching).
- Successful completion of all clinical program requirements.
- Successful completion of the required content knowledge assessment.
- Successful completion of the Foundations of Reading Test (FORT) (for majors/pathways in early childhood, elementary education, and special education) or the Foundations of Reading Test Alternative.
- Successful completion of the pedagogical knowledge assessment determined by the program.
- A minimum cumulative grade point average of 2.75 on a 4.0 scale **and** a department (EDU) GPA of 3.0 or higher in the teacher education program (all EDU courses) with no single EDU course grade lower than a C+ (with the exception of student teaching coursework, which requires a grade of CR.)

Requirements for the Special Education Major

Recommended General Education Courses

The teacher education program is committed to supporting the liberal arts education at UW-Parkside through the general education program. The teacher education program recommends the following courses that meet both the university general education requirements as well as content knowledge policy requirements. Students should consult with the teacher education advisor each semester to ensure that they understand and are meeting requirements of the program's content knowledge policy.

Code	Title	Credits
Humanities and the Arts		
COMM 105	Public Speaking for the 21st Century	3
ENGL 167	Introduction to Literature	3
Choose any two courses from the Humanities and the Arts general education list		6
Humanities and the Arts Subtotal		12
Social and Behavioral Science		
HIST 101	The United States: Origins to Reconstruction	3
or HIST 102	The United States: Reconstruction to Recent Times	
HIST 119	Western Civilization II: The Middle Ages to 1815	3
or HIST 128	World History III: From 1800 to the Present	
Select one of the following:		3
GEOG 101	Geography of American Ethnicity and Race	
GEOG 105	Contemporary Human Geography	
GEOG 110	Introduction to Geography: World Regions	
Select one of the following:		3
ECON 101	The American Economy	
POLS 100	American Politics	
POLS 105	Introduction to Politics	
SOCA 101	Introduction to Sociology	
Social and Behavioral Science Subtotal		12
Natural and Health Sciences		
Select one of the following:		3-4
BIOS 100	Nature of Life	
BIOS 101	Bioscience	
BIOS 103	Human Biology	
BIOS 104	Environmental Science: Biological Approach	
Select one of the following:		3-4
GEOG 100	Physical Geography and the Environment	
GEOS 100	Earth in Perspective	
PHYS 110	Introduction to Universe	
PHYS 120	Astronomy of Native America	
Select one of the following:		3-5
CHEM 100	The World of Chemistry	
CHEM 101 & CHEM 103	General Chemistry I and General Chemistry Lab I	
PHYS 101	Principles of Physics	
Choose one course from the Natural Sciences general education list to complete the required 12 credits (if needed)		3-4
Natural and Health Sciences Subtotal		12-17
Total Credits		**36-41**

Required Major Courses

Code	Title	Credits
Pre-Professional Sequence		
EDU 100	Introduction to the Teaching Profession	1
EDU 101	Introduction to Disability	3
EDU 200	Teaching the Whole Child	1
EDU 210	Exploring Equity In Education	1
EDU 211	Child and Adolescent Development	3
EDU 212	Mathematics for Elementary and Middle School Teachers I	3
EDU 215	Mathematics for Elementary and Middle School Teachers II	5
Pre-Professional Sequence Subtotal		17
Developing Expertise Sequence		
EDU 300	Creating Effective Learning Environments	1
EDU 304	Context and Culture In Learning Environments	3
EDU 310	Family, School, and Community Partnerships	1
EDU 312	Designing Learner-Centered Lesson Plans	3
EDU 322	Teaching Exceptional Learners	3
EDU 324	Individual Learning Design and Technology	3
EDU 326	Behavioral and Psychosocial Models	3
EDU 332	Foundations of Literacy	2
EDU 335	ESL Methods	3
EDU 343	Classroom Management	3
Developing Expertise Sequence Subtotal		25
Demonstrating Expertise in Practice Sequence		
EDU 412	Literacy Development	3
EDU 430	Using Action Research to Improve Instruction	2
EDU 431	Teaching Developmental Mathematics, Grades K-3	3
EDU 432	Teaching Developmental Literacy, Grades K-3	3
EDU 437	Academic and Behavioral Assessment	3
EDU 439	Transition and Self-Determination	2
EDU 440	Teacher Preparation Portfolio Design	2
EDU 442	Teaching Developmental Mathematics, Grades 3-9	3
EDU 443	Teaching Developmental Literacy, Grades 3-9	3
EDU 447	Case Management and Developing Individualized Plans	3
Demonstrating Expertise in Practice Sequence Subtotal		27
The Residency		
EDU 420	Residency Seminar	2
EDU 425	Residency (Student Teaching)	10
The Residency Subtotal		12
Total Credits		**81**

Requirements for a Double Major in Elementary Education and Special Education

(96 credits)

Students may satisfy graduation requirements for both elementary education and special education by completing all required courses for elementary education, together with the following special education courses:

Code	Title	Credits
Required Elementary Education Courses		**74**
Required Special Education Courses		
EDU 101	Introduction to Disability	3
EDU 324	Individual Learning Design and Technology	3
EDU 326	Behavioral and Psychosocial Models	3
EDU 412	Literacy Development	3
EDU 437	Academic and Behavioral Assessment	3
EDU 439	Transition and Self-Determination	2
EDU 447	Case Management and Developing Individualized Plans	3
Required Special Education Courses Subtotal		94
Total Credits		**94**

General University Degree Requirements (Bachelor's Degree)

In addition to individual program requirements, students must also fulfill the following requirements:

Requirement	Credits
Skills	7-8
General Education	36
Foreign Language**	6-8
Ethnic Diversity	3
Total	52-55

** Transfer students in sustainable management, and health information management and technology collaborative, online degree-completion programs, the business management online degree-completion program, and the flexible option degree-completion program will be exempt from the university's foreign language requirement. See appropriate academic section for further information.

Skills Requirement (p. 13)

Code	Title	Credits
Reading and Writing		
ENGL 101	Composition and Reading	3
Computational Skills		
Select one of the following:		4-5
MATH 102	Quantitative Reasoning	
MATH 103	Elementary Statistics	
MATH 104	College Mathematics with Applications	
MATH 111	College Algebra I	
Total Credits		**7-8**

General Education (p. 13)

- General Education Course List (p. 157)

Foreign Language (p. 13)

Ethnic Diversity (p. 13)

Degree Requirements

Requirement	Credits
Minimum Total Credits	120
Upper Level Credits (300 level or above)	36
Residency	30

Cumulative Degree GPA: 2.0 minimum

English as a Second Language Minor

Department website (https://www.uwp.edu/learn/programs/education-english-as-a-second-language.cfm)

College: College of Social Sciences & Professional Studies

With an English as a Second Language (ESL) minor, you will be prepared to meet the needs of the diverse students of Southeastern Wisconsin, who have the double task of learning English while learning academic content. Develop a knowledge base in the areas of second language acquisition, effective ESL teaching practices, research and policy related to second language learners, program models, the history and politics of Bilingual and ESL education, and the rich cultural and linguistic characteristics second language learners bring to school.

This is a licensable minor; license will be granted at the level of the candidate's initial license endorsement.

Early Childhood - Adolescence: ages birth-21, grades K-12

Requirements for the English as a Second Language Minor

All coursework for the minor must be completed with a minimum grade of C+ in each course. A minimum cumulative grade point average of 2.75 for the minor is required.

Candidates must also meet the content knowledge policy for this license and should consult with the teacher education advisor for up-to-date information on this policy.

Code	Title	Credits
EDU 225	Foundations of ESL and Bilingual Education	3
EDU 235	Immigration and Education	3
EDU 325	Introduction to Second Language Acquisition	3
EDU 335	ESL Methods	3
EDU 436	Literacy Methods In the Second Language Classroom	3
EDU 446	Assessment In the Second Language Classroom	3
Total Credits		**18**

University Requirements for Minors

Course work in the minor must be completed with the minimum GPA as specified by the department or program under which the minor falls, usually a 2.00 on a 4.00 scale, but higher in some programs. Transfer students must attain the minimum specified GPA on a combination of transfer credits accepted toward the minor and credits attempted at UW-Parkside.

At least half of the course work required for a minor must be completed at UW-Parkside.

Social Studies Education Minor

College: College of Social Sciences & Professional Studies

The Social Studies minor provides the necessary content knowledge for students seeking to teach Social Studies, Grades 4-12. Students will develop disciplinary knowledge in the core areas of Economics, Geography, Civics, and Behavioral Sciences. Students will also expand their breadth and depth of knowledge in history, including US and non-Western history.

This minor is only available to Secondary Education Majors.

Program Learning Outcomes

1. WI Educator Preparation: Teacher Standard 4: Content Knowledge. The teacher understands the central concepts, tools of inquiry, and structures of each discipline he or she teaches. The teacher creates learning experiences that make the discipline accessible and meaningful for pupils to assure mastery of the content.
2. NCSS Standard 1 (Content Knowledge) Candidates demonstrate knowledge of social studies disciplines. Candidates are knowledgeable of disciplinary concepts, facts, and tools; structures of inquiry; and forms of representation.

This minor is only available to Secondary Education Majors.

Cumulative GPA of 3.0 or higher on a 4.0 scale in all required courses for the Social Studies Minor

Code	Title	Credits
Core Courses		
PSYC 101	Introduction to Psychological Science	3
or SOCA 101	Introduction to Sociology	
ECON 101	The American Economy	3
or ECON 120	Principles of Microeconomics	
or ECON 121	Principles of Macroeconomics	
POLS 100	American Politics	3
or POLS 103	Introduction to Comparative Politics	
POLS 104	Introduction to International Relations	3
or POLS 105	Introduction to Politics	
GEOG 100	Physical Geography and the Environment	3
GEOG 105	Contemporary Human Geography	3
or GEOG 108	Culture and Environmental Sustainability	
or GEOG 110	Introduction to Geography: World Regions	
Specialization in History		
HIST 101	The United States: Origins to Reconstruction	3
or HIST 102	The United States: Reconstruction to Recent Times	
HIST 250	Sources and Methods in History	3
World History, select one course		3
HIST 118	Western Civilization I: From Antiquity to 1300	
HIST 119	Western Civilization II: The Middle Ages to 1815	
HIST 120	Western Civilization III: From 1815 to the Present	
HIST 126	World History I: From Antiquity to 1300	
HIST 127	World History II: From 1300 to 1800	
HIST 128	World History III: From 1800 to the Present	
Select one 300-400 level non-Western area e.g. Africa, Asia, Middle East HIST course		3

HIST 315	History of Modern Middle East	
HIST 318	History of Islam	
HIST 319	Arab-Israeli Conflict	
HIST 330	Evolution of Pre-Modern Russia	
HIST 331	History of Russia, 1917 to the Present	
Select two 300-400-level History courses		6
Total Credits		**36**

University Requirements for Minors

Course work in the minor must be completed with the minimum GPA as specified by the department or program under which the minor falls, usually a 2.00 on a 4.00 scale, but higher in some programs. Transfer students must attain the minimum specified GPA on a combination of transfer credits accepted toward the minor and credits attempted at UW-Parkside.

At least half of the course work required for a minor must be completed at UW-Parkside.

Theatre Arts

Department website (https://www.uwp.edu/learn/departments/theatrearts/)

College: College of Arts & Humanities

Professional Accreditations or Memberships

Kennedy Center American College Theatre Festival (KCACTF), United States Institute for Theatre Technology (USITT), Alliance for Wisconsin Theatre Education (AWTE), Society of American Fight Directors (SAFD), Wisconsin High Education Theatre Council (WHETC), Actors' Equity Association (AEA), Association for Theatre in Higher Education (ATHE) and United Scenic Artists (USA)

Student Organizations/Clubs

Drama Club

Department Overview

Program Mission Statement

The Theatre Arts Department at the University of Wisconsin - Parkside endeavors to provide students with the tools necessary to function as developing artists and self-realized individuals, combining theatrical training with a strong liberal arts curriculum. A comprehensive combination of classroom training, company engagement, and realized production work allows for a well-rounded collegiate learning experience with an emphasis on collaboration and the creative process. We seek to develop and present enriching theatrical experiences which have relevance and value for the diverse communities that we serve, providing cultural enrichment and a means of better understanding and appreciating human societies and the world.

Courses in speech studies also reside within the Theatre Arts Department but are not a part of the theatre arts major or minor. Speech courses are listed at the end of the theatre arts section. For more information about speech courses, please contact the director, Bonnie Peterson at petersob@uwp.edu.

The Program of Study

The UW-Parkside theatre arts curriculum is the systematic study of all aspects of the theatrical arts, including history and criticism, dramatic literature, performance, directing, design, and technical production. The purpose is to present a comprehensive view of the evolution of theatre to its present form, melding theory with practical applications and creative problem solving. We are dedicated to the preparation of our students for future graduate studies and/or entry-level access to the theatrical profession or related career field after graduation.

Students may choose to either major or minor in theatre arts at UW-Parkside or take selected general education courses in the field. Our comprehensive B.A. degree allows students to graduate with a traditional liberal arts theatre degree or the option of pursuing professional training degrees (comparable to B.F.A. programs at similar institutions) in the areas of acting, design and technology, and direction and management.

Students seeking a major in theatre arts at UW-Parkside will have the benefit of a knowledgeable and professionally active faculty and staff with years of experience in all aspects of the theatre. The department is also affiliated with various professional theaters, allowing opportunities for our students to experience a professional atmosphere within a liberal arts context. Theatre students are encouraged to participate in professional theatre internship and apprenticeship opportunities as a part of their training program and degree completion. Most theatre students also work at professional theatres during the summer months, further developing their skills, experience, and connections to theatre professionals.

Our Diversity Initiative

UW-Parkside's commitment to diversity is reflected in a curriculum that prepares students to live in a pluralistic society, with respect for race, gender, sexual orientation, ethnicity or religion.

The UW-Parkside Theatre Arts Department fully embraces the university's multicultural mission and vision, and strives to provide academic and production opportunities that reflect the full diversity of ideas and individuals that exist in our greater community and culture. We endeavor to create a diverse department of students and staff, allowing us to better reflect the demographics of our community in the theatrical works which we produce. We are committed to providing equal opportunity and nondiscrimination in all aspects of our academic and production programming. Except in plays where race or gender is an issue, casting is decided on the basis of ability.

Program Level Outcomes

The Theatre Arts Department at the University of Wisconsin-Parkside strives to:

- Serve as an artistic, educational, and cultural forum that utilizes the theatrical arts as a means of exploring, considering, and discussing various diverse aspects of our culture, society, and world;
- Offer students a comprehensive liberal arts degree in theatre arts, in addition to providing practical theatre training concentrations in the areas of acting, design and technology, and direction and management, further preparing students to be successful in their professional, civic, and personal lives;
- Establish a collaborative "company-based" training system that provides a select number of exceptional theatre students the best possible foundational training for careers in the professional theatre or related professions;

- Utilize and integrate new technology, methodologies, and techniques creatively and effectively into theatre courses, programs, and productions;
- Actively utilize professionally trained staff members, guest artists, and partnerships with regional professional theatres and artists to further expand and enhance our educational programming and production opportunities;
- Attract and retain a diverse population of students, staff, faculty, and audiences as we present theatrical programming and presentations that reflect the full diversity of our community and world;
- Enhance our students' and community's understanding and appreciation of the multifaceted, diverse theatrical art form by developing and presenting a broad range of accessible, high-quality academic and artistic opportunities;
- Remain viable, productive, and healthy through the effective and reasonable management of our human and financial resources and facilities.

Programs Offered

- Theatre Arts Major (BA) (p. 349)
- Dance Minor (p. 352)
- Theatre Arts Minor (p. 352)

Theatre Arts Major Concentrations

- Acting
- Design & Technology
- Direction
- Musical Theatre
- Stage Management

Courses in Theatre Arts

THEA 10 | Theatre Practicum I | 1 cr
Provides practical experience through participation in theatre arts productions, focusing on scenery, props, costumes, makeup, lighting, projections, or sound. May be repeated for a maximum of four credits.
Prerequisites: Consent of instructor.
Offered: Fall, Spring.

THEA 12 | Theatre Practicum II | 1 cr
Practical experience through participation in the creation of scenery, lighting, costumes, scene painting, or props for productions sponsored by theatre arts. May be repeated in different areas for a maximum of 6 credits. An average of three hours required per week.
Prerequisites: None.
Offered: Fall, Spring.

THEA 14 | Performance Practicum | 1-3 cr
Provides experience as a performer or understudy in a production. Includes opportunities to develop and practice introductory skills in auditioning, script analysis, character development, rehearsal techniques, and performance. May be repeated for a maximum of 6 credits.
Prerequisites: Audition and consent of instructor.
Offered: Fall, Spring.

THEA 50 | Company Participation | 0 cr
Requires participation in theatre arts company activities, including: performance attendance, production auditions, production work days, production strikes, field trips, academic reviews, and talent reviews. Required of all theatre arts majors and minors each semester. Field trips to theatrical productions. Field trip fee required.
Prerequisites: Theatre arts major or minor.
Offered: Fall, Spring.

THEA 100 | Theatre Arts Seminar | 1 cr
Provides opportunity to clarify professional goals, explore areas of interest, and learn how to work effectively as a member of a theatre arts company.
Prerequisites: Consent of instructor.
Offered: Fall.

THEA 105 | Musical Theatre Class Voice | 1 cr
Introduces basic singing technique. Emphasizes vocal aesthetics appropriate for the genre of American Musical Theatre.
Prerequisites: Theatre Arts major and consent of instructor.
Offered: Fall.

THEA 110 | Theatre Appreciation | 3 cr
Explores enjoyment and understanding of the art of theatre. Examines the teamwork involved to create live entertainment and the impact of theatre on society from ancient history to present day. Reviews plays and live theatrical performances. Open to all students. Requires field trip/ticket fee.
Prerequisites: None.
Offered: Fall, Spring.
Meets: Humanities and the Arts: THEA, Humanities and the Arts: THEA, Humanities and the Arts: THEA, Humanities and the Arts: THEA, Humanities and the Arts: THEA

THEA 112 | Behind the Scenes | 3 cr
Explores the fundamentals of sets, lights, costumes, makeup, sound, and props for theatre and film. Includes lecture, demonstration and lab experiences with award-winning UW-Parkside productions. Requires attendance and critique on-campus theatrical productions. Open to all students. Requires field trip/ticket fee.
Prerequisites: None.
Offered: Occasionally.
Meets: Humanities and the Arts: THEA, Humanities and the Arts: THEA, Humanities and the Arts: THEA, Humanities and the Arts: THEA, Humanities and the Arts: THEA

THEA 114 | Musical Theatre Appreciation | 3 cr
Focuses on the building of a musical, different jobs in the industry, and the history of musical theatre. Examines the nature, function, and basic theories of drama through application to various techniques used in contemporary musical theatre.
Prerequisites: None.
Offered: Fall.
Meets: Humanities and the Arts: THEA, Humanities and the Arts: THEA, Humanities and the Arts: THEA, Humanities and the Arts: THEA, Humanities and the Arts: THEA

THEA 115 | Musical Theatre Applied Voice | 1 cr
Provides private instruction in voice based on individual ability level and technical skills as it relates to the specific demands of musical theatre. Requires fees.
Prerequisites: Consent of instructor.
Offered: Fall, Spring.

THEA 121 | Theatrical Makeup | 3 cr
Covers basic principles and techniques of theatrical makeup. Requires fees.
Prerequisites: Theatre Arts major or Theatre Arts minor or consent of instructor.
Offered: Spring.

THEA 125 | Acting I: Fundamentals of Acting | 3 cr
Explores foundations of acting and script analysis based on methods of Konstanin Stanislavski. Focuses on acting exercises, discussion, and how these activities can improve communication, create flexibility, and introduce the actor to important interpretive and interpersonal skills. Emphasizes acting through doing. Includes exercises, monologues and scene work. Not available for audit. Requires attendance at theatrical productions.
Prerequisites: None.
Offered: Fall.
Meets: Humanities and the Arts: THEA, Humanities and the Arts: THEA, Humanities and the Arts: THEA, Humanities and the Arts: THEA, Humanities and the Arts: THEA

THEA 132 | Stagecraft | 4 cr
Explores procedures and theories of theatrical production. Includes scenic construction, scenic painting, stage equipment, stage lighting, sound, technical personnel duties, practical applications. Includes 3 hours of lecture and 2 hours of a separate lab component per week. Requires attendance and critique of theatrical productions; lab fees.
Prerequisites: None.
Offered: Fall.

THEA 133 | Costumecraft | 4 cr
Introduces costume theory and practical construction. Involves the use of shop equipment, and costume production skills, including sewing and textiles. Required lab component with practical applications through work on current productions. Requires fees.
Prerequisites: Consent of Instructor.
Offered: Fall, Spring.

THEA 150 | Text Analysis for the Theatre | 3 cr
Provides performers, designers, directors, and technicians with a variety of viable approaches and critical methodologies useful in reading, researching, analyzing, interpreting, and creatively engaging with a variety of significant scripts from the classical and contemporary theatre.
Prerequisites: None.
Offered: Fall.

THEA 160 | Principles of Theatrical Design | 3 cr
Introduces the fundamental elements and principles of design and how they apply to the development and creation of production elements for live theatre productions. Requires field trips to theatrical productions; requires fees.
Prerequisites: Theatre Arts major or Theatre Arts minor or consent of instructor.
Offered: Fall, Spring.

THEA 174 | Ballet I | 1 cr
Introduces basic technique, terminology, and history of ballet. May be repeated for a maximum of three credits. Cross-listed with: PE 174.
Prerequisites: Consent of instructor.
Offered: Occasionally.

THEA 175 | Tap Dance I | 1 cr
Introduces fundamental skills of American tap dance through movement, choreography, and the examination of dance history. Cross-listed with: PE 175.
Prerequisites: Consent of instructor.
Offered: Occasionally.

THEA 176 | Jazz Dance I | 1 cr
Introduces concepts of jazz dance through movement, choreography, and history. May be repeated for a maximum of three credits. Cross-listed with: PE 176.
Prerequisites: Consent of instructor.
Offered: Occasionally.

THEA 177 | Musical Theatre Dance I | 1 cr
Explores the role of dance in musical theatre through both performance and research. May be repeated for a maximum of three credits. Cross-listed with: PE 177.
Prerequisites: Consent of instructor.
Offered: Occasionally.

THEA 178 | Modern Dance I | 1 cr
Introduces the fundamental skills of modern dance through movement, choreography, and the examination of dance history. May be repeated for a maximum of three credits. Cross-listed with: PE 178.
Prerequisites: Consent of instructor.
Offered: Occasionally.

THEA 179 | Hip-Hop Dance I | 1 cr
Introduces elements of hip-hop dance, including technique, movement, musical rhythm, tempo, and phrasing. May be repeated for a maximum of three credits. Cross-listed with: PE 179.
Prerequisites: Consent of instructor.
Offered: Occasionally.

THEA 208 | Multicultural Theatre in America | 3 cr
Examines African American, Asian American, Latino American, and Native American cultures utilizes dramatic texts, live performance events, and anthropological research as a means of exploring and understanding voices of diversity expressed on the American stage in the past 50 years. Cross-listed with: ETHN 208.
Prerequisites: ENGL 101.
Offered: Occasionally.
Meets: Humanities and the Arts: THEA, Ethnic Diversity, Humanities and the Arts: THEA, Ethnic Diversity, Humanities and the Arts: THEA, Ethnic Diversity, Humanities and the Arts: THEA, Ethnic Diversity, Humanities and the Arts: THEA, Ethnic Diversity

THEA 212 | Intermediate Technical Production | 2-3 cr
Student serves as supervisor, crew head, or assistant designer for a production. Participation may include but is not limited to scenery, props, costume, makeup, sound or lighting. Additional written and visual research required depending on position.
Prerequisites: THEA 010, THEA 132, THEA 133 and consent of instructor.
Offered: Fall, Spring.

THEA 213 | Assistant Stage Manager | 1-3 cr
Provides experience as an assistant stage manager for a production. May be repeated in a different area for a maximum of 6 credits.
Prerequisites: THEA 10, THEA 132 and consent of instructor.
Offered: Fall, Spring.

THEA 214 | Intermediate Performance Practicum | 1-3 cr
Provides experience as a performer or understudy in a production. Includes opportunities to develop and practice intermediate skills in auditioning, script analysis, character development, rehearsal techniques, and performance. May be repeated for a maximum of 6 credits.
Prerequisites: Audition, THEA 014.
Offered: Fall, Spring.

THEA 215 | Queer Representation on Stage and Screen | 3 cr
Examines the portrayal and representation (or lack of representation) of LGBTQIA+ voices and identities in plays and film through theory and criticism. Cross-listed with: WGSS 215.
Prerequisites: None.
Offered: Spring (even years).
Meets: Humanities and the Arts: THEA, Humanities and the Arts: THEA, Humanities and the Arts: THEA, Humanities and the Arts: THEA, Humanities and the Arts: THEA

THEA 218 | Introduction to Arts Administration | 3 cr
Introduces the "business of the arts," providing an overview of the careers in arts administration, the types of work that arts administrators do, and the current issues and trends now affecting arts administrative professionals.
Prerequisites: None.
Offered: Occasionally.

THEA 224 | Acting for the Camera | 3 cr
Prepares students for performance in film, video, and television. Emphasizes developing a specific approach to the special challenges of camera acting, understanding students' unique gifts as performers, and expressing themselves effectively. Focuses on the business side of acting including audition techniques, creating resumes, and dealing with talent agencies.
Prerequisites: THEA 125.
Offered: Spring.

THEA 225 | Acting II: Shakespeare | 3 cr
Introduces tools and techniques for interpreting, embodying, and bringing Shakespeare's language to life. Focuses on physical and vocal development for the demands of acting Shakespearean verse and prose, including Folio Technique.
Prerequisites: THEA 125; Theatre Arts major or Theatre Arts minor or consent of instructor.
Offered: Spring.

THEA 228 | Voice and Movement I | 3 cr
Focuses on individual development and use of the voice and body for performance. Covers integrated BodyVoice connection, International Phonetic Alphabet, and major dialects.
Prerequisites: THEA 125; Theatre Arts major or Theatre Arts minor or consent of instructor.
Offered: Spring.

THEA 243 | Drafting for Entertainment Design | 3 cr
Explores computer-aided design and drafting for products, furniture, interiors and architecture using VectorWorks. Includes engineering and architectural drafting, notation, lettering and designing.
Prerequisites: DFAB 170, DFAB 171, DFAB 172 or consent of instructor.
Offered: Fall.

THEA 250 | Stage Combat I | 3 cr
Introduces basic unarmed and blade stage combat techniques, focusing on physical awareness, balance, coordination, collaboration, and safety. Incorporates acting within choreography.
Prerequisites: THEA 125; Theatre Arts major or Theatre Arts minor or consent of instructor.
Offered: Fall.

THEA 260 | Theatre Crafts | 3 cr
Introduces the theories, methods, and processes of various types of costume crafts and stage props used in theatre. Includes basic furniture upholstery and finishing, fabric dyeing and manipulation, mask making, and millinery. Requires field trips to theatrical productions; additional fees and materials.
Prerequisites: THEA 132, THEA 133; Theatre Arts major or Theatre Arts minor or consent of the instructor.
Offered: Fall (even years).

THEA 263 | Stage Management Workshop | 3 cr
Provides opportunity to contribute to the production process as a stage manager focusing on organization, leadership, and communication.
Prerequisites: None.
Offered: Occasionally.

THEA 274 | Ballet II | 1 cr
Emphasizes intermediate/advanced ballet technique and the application of movement principles essential to the training of the dancer. May be repeated for a maximum of three credits. Cross-listed with: PE 274.
Prerequisites: Consent of instructor.
Offered: Occasionally.

THEA 275 | Tap Dance II | 1 cr
Focuses on intermediate and advanced tap steps through exercises, choreography, and discussions. May be repeated for a maximum of three credits. Cross-listed with: PE 275.
Prerequisites: Consent of instructor.
Offered: Occasionally.

THEA 276 | Jazz Dance II | 1 cr
Focuses on advanced styles and techniques in jazz dance through movement and choreography. May be repeated for a maximum of three credits. Cross-listed with: PE 276.
Prerequisites: Consent of instructor.
Offered: Occasionally.

THEA 277 | Musical Theatre Dance II | 1 cr
Focuses on choreographed dance combinations from the musical theatre canon to prepare for professional auditions. May be repeated for a maximum of three credits. Cross-listed with: PE 277.
Prerequisites: Consent of instructor.
Offered: Occasionally.

THEA 278 | Modern Dance II | 1 cr
Introduces advanced skills of modern dance through movement and choreography, and examines dance history. May be repeated for a maximum of three credits. Cross-listed with: PE 278.
Prerequisites: Consent of instructor.
Offered: Occasionally.

THEA 279 | Hip-Hop Dance II | 1 cr
Focuses on advanced footwork, techniques, and combinations. Emphasizes both technical skills and the geo-political importance of hip-hop. May be repeated for a maximum of three credits. Cross-listed with: PE 279.
Prerequisites: Consent of instructor.
Offered: Occasionally.

THEA 294 | Professional Theatre Internship | 1-6 cr
This individualized program of study for freshmen and sophomores includes apprenticeships and internships at professional theatres, under the direct supervision of campus faculty and professional theatre staff. Consent of instructor and department chair. May repeat for a maximum of 6 credits.
Prerequisites: None.
Offered: Fall, Spring, Summer.

THEA 299 | Independent Study | 1-5 cr
Regularly available under the supervision of Theatre Arts faculty members, this course allows individual students at the freshmen and sophomore level to explore a variety of theatrical subjects and/or projects that are not regularly offered via Theatre Arts courses.
Prerequisites: Consent of Instructor and department chair required.
Offered: Fall, Spring, Summer.

THEA 310 | Directing I | 3 cr
Examines the director's role in theatre production. Delves into the theoretical and practical principles and techniques of directing and play analysis.
Prerequisites: THEA 125, THEA 150; sophomore standing or higher, and consent of instructor.
Offered: Fall.

THEA 312 | Production Design/Technology I | 3-5 cr
Provides experience as designer or lead technician for a studio production. Includes but are not limited to design, scenery, props, costume, makeup, sound or lighting. Requires additional written and visual research depending on position. May be repeated for a maximum of 10 credits with only 6 in one area applied toward the major.
Prerequisites: THEA 212 and consent of instructor.
Offered: Fall, Spring.

THEA 313 | Stage Manager | 3-5 cr
Provides experience as stage manager for a production. May be repeated in a different area for a maximum of 10 credits.
Prerequisites: THEA 213 and consent of instructor required.
Offered: Fall, Spring.

THEA 314 | Advanced Performance Practicum | 1-3 cr
Provides experience as a performer or understudy in a production. Includes opportunities to develop and practice advanced skills in auditioning, script analysis, character development, rehearsal techniques, and performance. May be repeated for a maximum of 6 credits.
Prerequisites: Audition, THEA 214.
Offered: Fall, Spring.

THEA 315 | Styles of Acting | 3 cr
An intensive investigation of a selected style of acting such as comedy, improvisation, physical acting, musical theatre performance, Shakespeare, etc. May repeat with different topic. Field trips to theatrical productions required; additional fees required.
Prerequisites: THEA 225 and consent of instructor.
Offered: Occasionally.

THEA 317 | Dramaturgy | 1-3 cr
Student serves as dramaturg for a production. Additional written and visual research required. May repeat for max 6 credits.
Prerequisites: Consent of instructor required.
Offered: Fall, Spring.

THEA 320 | Shakespeare | 3 cr
Investigates the formal conventions of Shakespeare's work, stagecraft, the location of these works within their historical contexts, and the critical and reception histories of each play. Cross-listed with: ENGL 320.
Prerequisites: ENGL 101; or consent of instructor.
Offered: Fall, Spring.

THEA 323 | Assistant Director | 3 cr
Provides experience as assistant director, studying an individual's directorial approach and learning more about the production process as a whole. Responsibilities vary from production to production and Director to Director. May be repeated for credit with a different production for a maximum of 6 credits.
Prerequisites: THEA 310.
Offered: Fall, Spring.

THEA 325 | Acting III: Scene Study | 3 cr
Delves into intensive study and performance of scenes from modern and contemporary theatre. Emphasizes advanced character development, milieu study, and scene structure.
Prerequisites: THEA 125; Theatre Arts major or Theatre Arts minor or consent of instructor.
Offered: Fall.

THEA 326 | Acting for Musical Theatre | 3 cr
Provides training to approach musical text with the same analytic and practical skills as for monologues and scenes. Equips students with the necessary skills to select appropriate songs, prepare professional materials, and execute auditions for work in the musical theatre field. Requires fees.
Prerequisites: THEA 125 and consent of instructor.
Offered: Spring (odd years).

THEA 328 | Voice and Movement II | 3 cr
Introduces Viewpoints and The Expressive Actor techniques to create vocally, physically and psychologically integrated characters. Focuses on use of breath, voice, and body.
Prerequisites: THEA 125; Theatre Arts major or Theatre Arts minor or consent of instructor.
Offered: Occasionally.

THEA 345 | Playwriting | 3 cr
Introduces the process of creating monologues, scenes, plays and/or scripts for the stage and screen.
Prerequisites: ENGL 101.
Offered: Occasionally.

THEA 350 | Stage Combat II | 3 cr
Introduces specific weapons training. Develops high speed, moment-to-moment acting, building heightened concentration, collaboration, physical agility, and stamina. Requires fees.
Prerequisites: THEA 125, THEA 250; Theatre Arts major or Theatre Arts minor or consent of instructor.
Offered: Occasionally.

THEA 355 | Theatre History and Literature to 1660 | 3 cr
Examines key milestones in theatre history and literature from the origins of theatre to 1660. Includes primary and secondary historical sources that reveal the context for theatrical productions in a variety of cultures and periods.
Prerequisites: ENGL 101, THEA 150 or consent of instructor.
Offered: Spring (even years).

THEA 356 | Theatre History and Literature from 1660-1915 | 3 cr
Provides a comprehensive overview of key milestones in theatre history and literature from 1660 to 1915, including a study of primary and secondary historical sources that reveal the context for theatrical productions in a variety of cultures and periods.
Prerequisites: ENGL 101, THEA 150, or consent of instructor.
Offered: Fall (even years).

THEA 357 | Theatre History and Literature from 1915 to Today | 3 cr
Provides a comprehensive overview of key milestones in theatre history and literature from 1915 to today, including primary and secondary historical sources that reveal the context for theatrical productions in a variety of cultures and periods.
Prerequisites: ENGL 101, THEA 150 or consent of instructor.
Offered: Spring (odd years).

THEA 363 | Lighting and Projection Design I | 3 cr
Explores the fundamentals of the artistry, methods, and function of lighting and sound design for stage production. Focuses on terminology, safe practices, current technology, design processes and production practices. Requires field trips to theatrical productions. Requires fees.
Prerequisites: THEA 132, 160; Theatre Arts major or Theatre Arts minor or consent of instructor.
Offered: Spring (odd years).

THEA 373 | Scenic Design I | 3 cr
Explores scenic design for the theatre from concept to graphic representation, including research, analysis, sketching, CAD drafting, rendering, and model making. Field trips to theatrical productions. Requires fees.
Prerequisites: THEA 132, THEA 160; Theatre Arts major or Theatre arts minor or consent of instructor.
Offered: Fall (odd years).

THEA 380 | Scene Painting I | 3 cr
Enhances knowledge and skills in scenic artistry including the role of the scenic artist. Covers types of paint and applicators, color theory and mixing, drop creation and many scenic painting and faux finishing techniques. Requires additional fees.
Prerequisites: THEA 132 and consent of instructor.
Offered: Spring (even years).

THEA 383 | Costume Design I | 3 cr
Examines the costume design process including theory, historical research and rendering styles. Field trips to theatrical productions required. Requires fees.
Prerequisites: THEA 133, THEA 160; Theatre Arts majors and Theatre Arts minors or consent of instructor.
Offered: Fall (even years).

THEA 385 | Portfolio Development | 3 cr
Focuses on the professional development of visual performance material, resumes, websites, and portfolios. Helps the student develop and produce a professional presentation of their body of artistic work through digital and physical portfolios.
Prerequisites: THEA 100, THEA 160, and consent of instructor.
Offered: Spring.

THEA 386 | Audition Techniques | 3 cr
Focuses on the techniques actors must use when auditioning for casting directors in the professional theatre. Includes cold readings, monologue work, resume formatting, and interview techniques.
Prerequisites: THEA 125 and consent of instructor.
Offered: Fall.

THEA 390 | Special Topics in Theatre Arts | 1-4 cr
Selected topics in theatre will be examined. Field trips to theatrical productions required; additional fees required. May repeat with different topic.
Prerequisites: Consent of instructor.
Offered: Occasionally.

THEA 410 | Directing II | 3 cr
Builds upon the basic principles of stage direction explored in THEA 310 and provides students with the opportunity to select, research, interpret, stage, and present a wide range of scenes from a variety of theatrical genres and styles.
Prerequisites: THEA 310; Theatre Arts majors or Theatre Arts minors or consent of instructor.
Offered: Spring (even years).

THEA 412 | Production Design/Technology II | 1-5 cr
Provides experience as designer or lead technician for a main-stage production. Includes but are not limited to design, scenery, props, costume, makeup, sound or lighting. Requires additional written and visual research required depending on position. May be repeated for a maximum of 10 credits with only 6 in one area applied toward the major. May repeat for a maximum of 10 credits; only 6 in one area apply toward the major.
Prerequisites: THEA 312 and consent of instructor.
Offered: Fall, Spring.

THEA 423 | Studio Director | 3 cr
Provides experience as director for a studio production. May be repeated for credit with a different production for a maximum of 6 credits.
Prerequisites: THEA 310, THEA 323 and consent of instructor.
Offered: Fall, Spring.

THEA 425 | Acting IV: Styles of Action | 3 cr
Focus on elements of style through scene work, involving advanced characterization and research. Emphasizes conditioning factors, physicalization, and internal obstacles.
Prerequisites: THEA 125, THEA 225, THEA 325; Theatre Arts majors or Theatre Arts minors or consent of instructor.
Offered: Spring.

THEA 427 | Musical Theatre Workshop | 2 cr
This performance-based workshop course that allows learner to study, research, prepare, and perform scenes, songs, and dances from selected musical theatre texts. This course may be repeated for credit, with the instructor's permission. Field trips to theatrical productions required. Additional fees required.
Prerequisites: Consent of instructor.
Offered: Occasionally.

THEA 463 | Lighting and Projection Design II | 3 cr
Explores advanced training in lighting and projection design for theatre or live entertainment. Requires fees.
Prerequisites: THEA 363 or consent of instructor.
Offered: Fall (odd years).

THEA 473 | Scenic Design II | 3 cr
Explores advanced topics in scenic design for the theatre from concept to graphic representation, including research, analysis, sketching, CAD drafting, rendering, and model making, resulting in a complete scenic design packet. Requires lab fees.
Prerequisites: THEA 373 or consent of instructor.
Offered: Occasionally.

THEA 483 | Costume Design II | 3 cr
Examines special problems in costume research theory, costume history, and advanced projects in costume design. Field trips to theatrical productions; additional fees required.
Prerequisites: THEA 383.
Offered: Fall (even years).

THEA 490 | Special Topics in Theatre Arts | 1-4 cr
Selected topics in theatre arts will be examined. Field trips to theatrical productions required. Additional fees required.
Prerequisites: Consent of instructor.
Offered: Occasionally.

THEA 494 | Professional Theatre Internship | 1-12 cr
This individualized program of study for juniors and seniors includes apprenticeships and internships at professional theatres, under the supervision of campus faculty and professional theatre staff. May repeat for a maximum of 12 credits.
Prerequisites: Consent of instructor and department chair.
Offered: Fall, Spring, Summer.

THEA 495 | Business of Theatre | 3 cr
Provides opportunity for students in their final year to focus on various business aspects of the Theatre professional. Includes field research in their area of concentration and demonstration of successful self promotion. Covers personal finance, self-branding, and professional networking.
Prerequisites: THEA 100, senior standing.
Offered: Fall.

THEA 499 | Independent Study | 1-6 cr
Provides opportunity to explore a variety of theatrical subjects and/or projects under the supervision of theatre faculty members.
Prerequisites: Consent of instructor and department chair.
Offered: Fall, Spring, Summer.

Theatre Arts Major (BA)

Department website (https://www.uwp.edu/learn/programs/theatrearts.cfm)

College: College of Arts & Humanities

Program Learning Outcomes

1. Analyze text in writing and through presentation, design and performance. (Effective Communication)
2. Effectively present their creative ideas in an appropriate way (Effective Communication)
3. Interview and audition professionally (Effective Communication)
4. Synthesize, integrate and apply their knowledge to practice situations. (Critical and Creative Thinking)
5. Find innovative and/or practice ways to evaluate and solve problems. (Critical and Creative Thinking).
6. Assess the relationship between a text, its historical importance and contemporary relevance, and develop their own interpretation. (Critical and Creative Thinking)
7. Understand the centrality of collaboration in the creation of theatre. (Collaboration)
8. Work in a variety of teams to creatively solve problems and produce quality theatre (Collaboration)
9. Successfully lead a team with respective and professionalism (Collaboration)
10. Demonstrate a broad knowledge of theatre history and dramatic literature, as well as an understanding of contemporary theatrical practices (Knowledge across Disciplinary Areas)
11. Demonstrate basic skills in technical theatre, including costumecraft, stagecraft, and basic lighting. (Knowledge across Disciplinary Areas)
12. Demonstrate basic knowledge in performance and directing. (Knowledge across Disciplinary Areas)
13. Integrate and apply their learning experiences and skills to professional work in theatre or other related occupations. (Professionalism)
14. Develop a clear and honest assessment of their own skills and talents along with an ability to articulate those skills to employers. (Professionalism)
15. Present themselves and their work outside of the university concurrent with professional standards for this art form. (Professionalism)
16. Recognize the power of theatre for social change and articulate and demonstrate a sense of personal and social responsibility both to the professional and to the work at large. (Professionalism)

Requirements for the Theatre Arts Major

Once accepted as a major, students are expected to maintain a minimum 2.5 overall GPA, a minimum 2.75 GPA in the theatre arts major, and meet all departmental policies and expectations, which are outlined in the student handbook.

All theatre arts majors must complete the core curriculum and choose one of the two options of study that are available to complete the major requirements.

Option I: B.A. in theatre arts (generalist)
Option II: B.A. in theatre arts with professional training concentrations in one or more of the following areas: acting, musical theatre, design and technology, directing, or stage management.

Code	Title	Credits
Theatre Arts Core Curriculum		
THEA 10	Theatre Practicum I	1
THEA 12	Theatre Practicum II	1
or THEA 10	Theatre Practicum I	
THEA 14	Performance Practicum	1
THEA 50	Company Participation	0
THEA 100	Theatre Arts Seminar	1
THEA 121	Theatrical Makeup	3
THEA 125	Acting I: Fundamentals of Acting	3
THEA 132	Stagecraft	4
THEA 133	Costumecraft	4
THEA 150	Text Analysis for the Theatre	3
THEA 160	Principles of Theatrical Design	3
THEA 310	Directing I	3
THEA 355	Theatre History and Literature to 1660	3
THEA 356	Theatre History and Literature from 1660-1915	3
THEA 357	Theatre History and Literature from 1915 to Today	3
THEA 363	Lighting and Projection Design I	3
or THEA 373	Scenic Design I	
or THEA 383	Costume Design I	
or MUSP 350	Sound Design	

THEA 385	Portfolio Development	3
or THEA 386	Audition Techniques	
THEA 495	Business of Theatre	3
Theatre Arts Core Curriculum Subtotal		45
Theatre Arts Options		
Choose one option		9-27
Total Credits		**54-72**

Theatre Arts Options

Option I: Generalist Degree Option

Requirements include the completion of the 45-credit core curriculum and 9 credits of elective courses chosen from theatre arts courses numbered 300 or above.

Option II: Concentration Option

Students have the option of choosing a concentration that includes a more comprehensive study in a chosen field within the theatre arts. The purpose of these varied concentrations is to further prepare students for graduate school studies or entry-level work in the professional theatre after graduation. Our concentration option is similar to B.F.A. (bachelor of fine arts) degrees at similar liberal arts institutions. Students must interview or audition into the following concentrations, and usually do so at the end of their first or second year in the program. Requirements include the completion of the 45-credit core curriculum and the required courses for the concentration chosen.

Concentration in Acting

Code	Title	Credits
Required Courses		
THEA 214	Intermediate Performance Practicum	1
THEA 225	Acting II: Shakespeare	3
THEA 228	Voice and Movement I	3
THEA 250	Stage Combat I	3
THEA 314	Advanced Performance Practicum	3
THEA 325	Acting III: Scene Study	3
Required Courses Subtotal		16
Elective Courses		
Select nine credits of the following:		9
THEA 115	Musical Theatre Applied Voice	
THEA 224	Acting for the Camera	
THEA 294	Professional Theatre Internship	
or THEA 494	Professional Theatre Internship	
THEA 326	Acting for Musical Theatre	
THEA 328	Voice and Movement II	
THEA 350	Stage Combat II	
THEA 425	Acting IV: Styles of Action	
Total Credits		**25**

Concentration in Musical Theatre

Code	Title	Credits
Required Courses		
THEA 105	Musical Theatre Class Voice	1
Take THEA 115 three times		3
THEA 115	Musical Theatre Applied Voice	
THEA 214	Intermediate Performance Practicum	1
THEA 228	Voice and Movement I	3
THEA 314	Advanced Performance Practicum	3
THEA 325	Acting III: Scene Study	3
THEA 326	Acting for Musical Theatre	3
Select three credits from the following:		3
THEA 174	Ballet I	
THEA 175	Tap Dance I	
THEA 176	Jazz Dance I	
THEA 177	Musical Theatre Dance I	
THEA 178	Modern Dance I	
THEA 179	Hip-Hop Dance I	
THEA 274	Ballet II	
THEA 275	Tap Dance II	
THEA 276	Jazz Dance II	
THEA 277	Musical Theatre Dance II	
THEA 278	Modern Dance II	
THEA 279	Hip-Hop Dance II	
Required Courses Subtotal		20
Elective Courses		
Select six credits of the following:		6
MUSP 135	Aural Music Theory I	
MUSP 150	Class Piano I	
THEA 114	Musical Theatre Appreciation	
THEA 224	Acting for the Camera	
THEA 250	Stage Combat I	
THEA 328	Voice and Movement II	
THEA 350	Stage Combat II	
THEA 425	Acting IV: Styles of Action	
Total Credits		**26**

Concentration in Design & Technology

Code	Title	Credits
Required Courses		
ART 100	Foundations of Art and Visual Culture	3
ART 104	Introduction to Digital Art	3
ART 122	Introduction to Drawing	3
or ART 322	Intermediate Drawing	
or ART 331	Life Drawing	
THEA 212	Intermediate Technical Production	2-3
THEA 312	Production Design/Technology I	3
or THEA 412	Production Design/Technology II	
Required Courses Subtotal		14-15
Elective Courses		
Select three of the following:		9
THEA 243	Drafting for Entertainment Design	
THEA 260	Theatre Crafts	
THEA 390	Special Topics in Theatre Arts	
or THEA 490	Special Topics in Theatre Arts	
THEA 294	Professional Theatre Internship	
or THEA 494	Professional Theatre Internship	
THEA 363	Lighting and Projection Design I [1, 2]	
or THEA 373	Scenic Design I	
or THEA 383	Costume Design I	
or MUSP 35(	Sound Design	

THEA 380	Scene Painting I	
THEA 463	Lighting and Projection Design II	
or THEA 473	Scenic Design II	
or THEA 483	Costume Design II	
DFAB 270	Digital Fabrication I	
Total Credits		**23-24**

1 The course choice must be different from the course chosen for the core or for other concentrations. The course cannot double-count between core and concentration and between concentrations.
2 Cannot count courses fulfilling other concentration requirements.

Concentration in Directing

Code	Title	Credits
Required Courses		
THEA 208	Multicultural Theatre in America	3
THEA 213	Assistant Stage Manager	3
or THEA 317	Dramaturgy	
THEA 323	Assistant Director	3
THEA 325	Acting III: Scene Study	3
THEA 410	Directing II	3
THEA 423	Studio Director	3
Required Courses Subtotal		18
Elective Courses		
Select two of the following:		6
THEA/WGSS 215	Queer Representation on Stage and Screen	
THEA 218	Introduction to Arts Administration	
THEA 225	Acting II: Shakespeare	
THEA 250	Stage Combat I	
THEA 294	Professional Theatre Internship	
or THEA 494	Professional Theatre Internship	
THEA 363	Lighting and Projection Design I [1,2]	
or THEA 373	Scenic Design I	
or THEA 383	Costume Design I	
or MUSP 350	Sound Design	
Interdisciplinary Elective Courses		
Select one of the following:		3
ART 100	Foundations of Art and Visual Culture	
ART 125	Survey of World Art	
COMM 285	Introduction to Conflict Analysis and Resolution	
ENGL 259	History of Film from 1950	
LBST 102	Independence and Mystery: The Humanities from 1500 to the Present	
THEA/ENGL 320	Shakespeare (Same As ENGL 320)	
Total Credits		**27**

1 The course choice must be different from the course chosen for core (a course cannot count for both core and concentration).
2 Cannot count courses fulfilling other concentration requirements.

Concentration in Stage Management

Code	Title	Credits
Required Courses		
Take THEA 213 two times		6
THEA 213	Assistant Stage Manager	
THEA 263	Stage Management Workshop	3
THEA 313	Stage Manager	3-5
THEA 323	Assistant Director	3
Required Courses Subtotal		15-17
Elective Courses		
Select two of the following:		6
THEA 212	Intermediate Technical Production	
THEA 218	Introduction to Arts Administration	
THEA 294	Professional Theatre Internship	
or THEA 494	Professional Theatre Internship	
THEA 363	Lighting and Projection Design I [1,2]	
or THEA 373	Scenic Design I	
or THEA 383	Costume Design I	
or MUSP 350	Sound Design	
THEA 410	Directing II	
Interdisciplinary Elective Courses		
Select one of the following:		3
ART 100	Foundations of Art and Visual Culture	
COMM 105	Public Speaking for the 21st Century	
COMM 285	Introduction to Conflict Analysis and Resolution	
Total Credits		**24-26**

1 The course choice must be different from the course chosen for core (a course cannot count for both core and concentration).
2 Cannot count courses fulfilling other concentration requirements.

General University Degree Requirements (Bachelor's Degree)

In addition to individual program requirements, students must also fulfill the following requirements:

Requirement	Credits
Skills	7-8
General Education	36
Foreign Language**	6-8
Ethnic Diversity	3
Total	52-55

** Transfer students in sustainable management, and health information management and technology collaborative, online degree-completion programs, the business management online degree-completion program, and the flexible option degree-completion program will be exempt from the university's foreign language requirement. See appropriate academic section for further information.

Skills Requirement (p. 13)

Code	Title	Credits
Reading and Writing		
ENGL 101	Composition and Reading	3

Computational Skills		
Select one of the following:		4-5
MATH 102	Quantitative Reasoning	
MATH 103	Elementary Statistics	
MATH 104	College Mathematics with Applications	
MATH 111	College Algebra I	
Total Credits		**7-8**

General Education (p. 13)

- General Education Course List (p. 157)

Foreign Language (p. 13)

Ethnic Diversity (p. 13)

Degree Requirements

Requirement	Credits
Minimum Total Credits	120
Upper Level Credits (300 level or above)	36
Residency	30

Cumulative Degree GPA: 2.0 minimum

All students who wish to major in theatre arts at UW-Parkside must participate in program entry interviews and/or auditions and be accepted to the program by a committee of theatre faculty and staff. Prospective students in good academic standing (minimum 2.75 GPA, minimum 21 ACT, upper 50 percent of graduating class) who are seeking entry into the theatre arts program must contact the department to schedule an interview and/or audition time. For complete details about the audition process and requirements, visit https://www.uwp.edu/learn/departments/theatrearts/index.cfm (http://www.uwp.edu/learn/departments/theatrearts/)and contact a department representative regarding program entry auditions.

Transfer students from other two-year and four-year institutions are welcomed into our program. Entrance into the theatre arts program later than the freshman year can prolong the length of time required to complete the degree. We are committed to assisting transfer students in completing our program in a reasonable period of time.

Dance Minor

College: College of Arts & Humanities

The Dance Minor provides students with the opportunity to begin or continue their study of dance while pursuing a degree in another discipline. Students explore a variety of dance techniques, acquire skills for health and wellness, and examine the connections between dance and other performing arts.

Program Learning Outcomes

1. Articulate the social and cultural role of dance;
2. Identify major artists, movements, and styles that define the development of dance;
3. Demonstrate proficiency in a variety of dance techniques;
4. Create and execute choreography;
5. Demonstrate the ability to collaborate effectively when working with others to complete projects;
6. Evaluate the connections between dance and other performing arts;
7. Apply knowledge in wellness to the practice of dance.

Code	Title	Credits
Dance Minor		
Select six credits from the list below:		*6*
THEA 174	Ballet I	
THEA 175	Tap Dance I	
THEA 176	Jazz Dance I	
THEA 177	Musical Theatre Dance I	
THEA 178	Modern Dance I	
THEA 179	Hip-Hop Dance I	
THEA 274	Ballet II	
THEA 275	Tap Dance II	
THEA 276	Jazz Dance II	
THEA 277	Musical Theatre Dance II	
THEA 278	Modern Dance II	
THEA 279	Hip-Hop Dance II	
Select one course from the list below:		*3*
HLTH 250	First Aid and Safety	
HLTH 270	Lifetime Wellness	
HLTH 280	Nutrition for Wellness	
Select one course from the list below:		*3*
MUSI 100	Appreciation of World Music	
MUSI 101	Fundamentals of Music	
MUSI 106	Jazz Appreciation	
Select two courses from the list below:		*6*
THEA 114	Musical Theatre Appreciation	
THEA 125	Acting I: Fundamentals of Acting	
THEA 250	Stage Combat I	
THEA 326	Acting for Musical Theatre	
THEA 328	Voice and Movement II	
Total Credits		*18*

University Requirements for Minors

Course work in the minor must be completed with the minimum GPA as specified by the department or program under which the minor falls, usually a 2.00 on a 4.00 scale, but higher in some programs. Transfer students must attain the minimum specified GPA on a combination of transfer credits accepted toward the minor and credits attempted at UW-Parkside.

At least half of the course work required for a minor must be completed at UW-Parkside.

Theatre Arts Minor

Department website (https://www.uwp.edu/learn/programs/theatreartsminor.cfm)

College: College of Arts & Humanities

The basic objective of the theatre arts minor is to provide a foundation for further study, vocational or avocational, for all interested students.

Program Learning Outcomes

1. Serve as an artistic, educational, and cultural forum that utilizes the theatrical arts as a means of exploring, considering, and discussing various diverse aspects of our culture, society, and world;
2. Offer students a comprehensive liberal arts degree in theatre arts, in addition to providing practical theatre training concentrations in the areas of acting, design and technology, and direction and management, further preparing students to be successful in their professional, civic, and personal lives;
3. Establish a collaborative "company-based" training system that provides a select number of exceptional theatre students the best possible foundational training for careers in the professional theatre or related professions;
4. Utilize and integrate new technology, methodologies, and techniques creatively and effectively into theatre courses, programs, and productions;
5. Actively utilize professionally trained staff members, guest artists, and partnerships with regional professional theatres and artists to further expand and enhance our educational programming and production opportunities;
6. Attract and retain a diverse population of students, staff, faculty, and audiences as we present theatrical programming and presentations that reflect the full diversity of our community and world;
7. Enhance our students' and community's understanding and appreciation of the multifaceted, diverse theatrical art form by developing and presenting a broad range of accessible, high-quality academic and artistic opportunities;
8. Remain viable, productive, and healthy through the effective and reasonable management of our human and financial resources and facilities.

Requirements for the Theatre Arts Minor

Code	Title	Credits
THEA 10	Theatre Practicum I	1
or THEA 14	Performance Practicum	
THEA 110	Theatre Appreciation	3
or THEA 112	Behind the Scenes	
or THEA 114	Musical Theatre Appreciation	
or THEA 208	Multicultural Theatre in America	
THEA 125	Acting I: Fundamentals of Acting	3
or THEA 160	Principles of Theatrical Design	
THEA 132	Stagecraft	4
or THEA 133	Costumecraft	
THEA 150	Text Analysis for the Theatre	3
Select two of the following:		6
THEA 224	Acting for the Camera	
THEA 225	Acting II: Shakespeare	
THEA 250	Stage Combat I	
THEA 326	Acting for Musical Theatre	
THEA 363	Lighting and Projection Design I	
THEA 373	Scenic Design I	
THEA 383	Costume Design I	
THEA 386	Audition Techniques	
MUSP 350	Sound Design	
Total Credits		**20**

University Requirements for Minors

Course work in the minor must be completed with the minimum GPA as specified by the department or program under which the minor falls, usually a 2.00 on a 4.00 scale, but higher in some programs. Transfer students must attain the minimum specified GPA on a combination of transfer credits accepted toward the minor and credits attempted at UW-Parkside.

At least half of the course work required for a minor must be completed at UW-Parkside.

UW-Milwaukee/UW-Parkside Consortial Nursing Program

Department website (https://www.uwp.edu/learn/departments/nursing/)

College: College of Natural & Health Sciences

Student Organizations/Clubs:

Student Nurse Association of Parkside (SNAP)

Department Overview

The University of Wisconsin-Milwaukee College of Nursing offers a bachelor of science degree (B.S.) in nursing. Through a consortial program, initiated in June 1979, the undergraduate program is offered on the UW-Milwaukee and the UW-Parkside campus. Eligibility requirements for admission to the nursing major are the same for UW-Milwaukee students and UW-Parkside students. UW-Parkside students accepted into the program will complete the same curricular requirements as students enrolled on the UW-Milwaukee campus.

The program prepares students to begin positions of responsibility and leadership in providing professional care for clients and their families in their homes and in a variety of community health-care agencies. Students gain experience through a range of diverse programs in classroom, laboratory and clinical settings.

The Nursing Learning Resource Center (NLRC), Tallent Hall 181, which serves nursing students, faculty, and the community, is an integral component of the undergraduate curriculum. This college laboratory is a mediated and simulated learning environment in which students perform skills foundational to safe nursing practice in settings with clients. In addition, the NLRC provides a computer laboratory.

Students admitted to UW-Parkside, complete pre-nursing and nursing courses as UW-Parkside students, and earn their degree from UW-Milwaukee. For this reason, each consortial UW-Parkside nursing student is responsible for meeting all UW-Milwaukee graduation requirements. All course work required to complete the undergraduate degree in nursing is offered on the UW-Parkside campus, and all clinical courses utilize healthcare agencies in and around Racine, Kenosha, southern Milwaukee and Walworth counties. The UW-Parkside catalog states policies specific to the Consortial Nursing Program. Other UW-Milwaukee regulations, including academic policies, procedures, and requirements, are printed in the current UW-Milwaukee undergraduate bulletin. This bulletin and other UW-Milwaukee publications are available in the nursing advisor's office on the UW-Parkside campus in Tallent Hall L-180.

The College of Nursing also offers a number of graduate degree programs, such as the master of nursing degree (M.N.) doctor of philosophy degree (Ph.D.) and doctor of nursing practice degree (DNP). For more information about our graduate programs, please see www.nursing.uwm.edu (http://www.nursing.uwm.edu) or call UWM College of Nursing 414-229-5047. These nursing programs are fully accredited through the state of Wisconsin Board of Nursing and the Commission on Collegiate Nursing Education.

Program Level Outcomes

The UWM Consortial Nursing Program Competencies and Outcomes are:

1. Patient-centered Care: The graduate will provide holistic care that recognizes patients' (individuals, families, groups, and communities) preferences, values, and needs and respects patients or their designees as full partners in providing compassionate, coordinated, age and culturally appropriate, safe and effective care.
2. Professionalism: The graduate will demonstrate accountability for the delivery of standard-based nursing care that is consistent with moral, altruistic, legal, ethical, regulatory, and humanistic principles.
3. Leadership: The graduate will influence the behavior of individuals or groups of individuals within the environment in a way that will facilitate the establishment and acquisition/achievement of shared goals.
4. Systems-based Practice: The graduate will demonstrate an awareness of and responsiveness to the larger context of the health care system, and will demonstrate the ability to effectively call on microsystem resources to provide care that is of optimal quality and value (Adapted from ACGME, n.d.).
5. Informatics and Technology: The graduate will use information and technology to communicate, manage knowledge, mitigate error, and support decision making (QSEN, 2007).
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7. Teamwork and Collaboration: The graduate will function within nursing and interdisciplinary teams, fostering open communication, mutual respect, shared decision making, team learning, and development (Adapted from QSEN, 2007).
8. Safety: The graduate will minimize risk of harm to patients and providers through both system effectiveness and individual performance (QSEN, 2007).
9. Quality Improvement: The graduate uses data to monitor the outcomes of care processes, and uses improvement methods to design and test changes to continuously improve the quality and safety of health care systems (QSEN, 2007).
10. Evidence-based Practice: The graduate will identify, evaluate, and use the best current evidence coupled with clinical expertise and consideration of patients' preferences, experience and values to make practice decisions (Adapted from QSEN, 2007).

Overview of Clinical Experiences

As part of the educational program, nursing students participate in a variety of clinical experiences. These experiences take place in hospitals and nursing homes, community health centers and clinics, medical centers and mental health units, birthing centers, hospice settings, homes and parishes. Students work with individuals and families from many cultures and across all age groups who are dealing with physical and/or mental health problems or seeking to remain healthy, including children, teens, adults and the elderly. The selection of clinical experiences is based on the objectives of courses and the learning that is expected. Upon completion of the program, students will have all experiences necessary to become licensed as a registered nurse and secure employment.

Admission to UW-Parkside

Students intending to pursue study in nursing are advised to complete the following units (one unit equals one year) in high school:

- 1/2 unit of speech (if available)
- 2-4 units of a foreign language (at least two years/units of the SAME foreign language)
- 3 units of college preparatory mathematics at or above algebra level
- 1/2 unit of computer science
- 1 unit of biology
- 1 unit of chemistry
- 1 unit of physics
- 1 unit of history
- 3 units of social studies
- 4 units of English

Pre-nursing students are admitted to UW-Parkside as matriculates and are classified as pre-nursing. Admission to the pre-nursing classification does not guarantee later admission to the nursing major. This subsequent admission occurs after a student has successfully completed the pre-professional requirements outlined in this catalog. Admission does not imply or guarantee that a student will be able to enter or complete the professional program within any specific time period. For policies and procedures of the College of Nursing, see College of Nursing Student Handbook for more information.

The policies and procedures of the College of Nursing apply to all students even though the student may be enrolled in courses in another college or school within the university. The general regulations governing UW-Milwaukee presented in this catalog apply to all consortial nursing students; therefore, these students do not need to fulfill UW-Parkside degree requirements.

Minors

Students who desire to pursue a minor at UW-Parkside are required to follow UW-Parkside requirements to complete a minor. The UW-Parkside catalog lists the minors available and their course requirements for completing the minor.

Nursing students, who complete a UW-Parkside minor, will have the minor posted on the UW-Milwaukee transcript.

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Requirements for Admission to Nursing Major

The College of Nursing requires a minimum GPA of 2.75 as calculated on the prerequisite courses completed prior to the nursing major and a minimum science GPA of 2.75. For admission to the professional major, an application consists of a review of your academics, volunteer/work/leaderships experiences, an on-campus essay, and a series of mini interviews. Admission to the major is competitive. The minimum GPA required for admission can be significantly higher when there is a large applicant pool. Pre-nursing students who seek to enter the major and meet eligibility criteria (see below) are required to file an application with the nursing advisor in Tallent Hall L-180. The College of Nursing Undergraduate Program Committee reviews the applications and makes recommendations for admission.

Application Deadline

Pre-nursing students who seek to enter the nursing major in September must submit applications by January 2 of the current academic year. Applications received after this date will be reviewed on a space-available basis.

Eligibility Criteria

Students are required to meet the following criteria to be reviewed for selection into the nursing major:

1. Satisfactorily complete or be enrolled in the following courses:

Code	Title	Credits
CHEM 115	Chemical Science	4
CHEM 215	Organic and Biochemistry	4
SOCA	Sociology Course (Any for three credits)	3
ENGL 201	Advanced Composition	3
ENGL 168	Introduction to Professional Writing	3
BIOS 105	Human Physiology and Anatomy I	5
BIOS 106	Human Physiology and Anatomy II	5
BIOS 190	Fundamentals of Human Nutrition	2
BIOS 202	General Microbiology	4
PSYC 101	Introduction to Psychological Science	3
PSYC 210	Introduction to Human Development	3
Social Science Elective (see advisor for list)		3
NURS 101	Cultural Diversity in Health Care	3
NURS 102		2
NURS 251		2

2. Courses may be repeated only once. No more than two required courses may be repeated. All credit for required courses must have been earned in the 10 years preceding progression into the nursing major. Grades of less than 2.0 (C) must be replaced by grades greater than 2.0 (C) no later than August for fall applicants.
3. Achieve a minimum grade point average of 2.75 on a 4.0 scale. This GPA is computed on the courses listed above. Achieve a minimum science grade point average of 2.75 on a 4.0 scale. This GPA is computed within the required sciences.
4. Achieve a minimum grade of 2.0 (C) in each of the required nursing and non-nursing courses as listed under part A.
5. Remove all incompletes and replace with acceptable grades before beginning the nursing major.
6. In addition to the satisfactory completion of courses listed in part A, applicants must demonstrate competency in math and English. Competencies must be fulfilled through testing or course work by the date of entry into the nursing major. Information about competency testing is available through the Consortial Nursing Office. Refer to the UW-Parkside Advising and Career Center for definition of competencies.
7. A statement written by the applicant.
8. Meet application deadlines.
9. A letter of recommendation is required if an applicant has been enrolled in clinical nursing courses at another school of nursing. This reference must be from the director of that College of Nursing. The letter should reflect a positive recommendation for the student's progression into the nursing major.
10. An interview with the student making application may be requested at the discretion of the Undergraduate Program Committee.
11. Following a review of the student's record and the progression of the student into the nursing major, the Undergraduate Program Committee may make recommendations intended to assist the student. These recommendations will be communicated to the student.

Enrollment in freshman-level courses is based on ACT scores and in some cases, placement testing. As a result of ACT scores or placement testing, one or more preparatory courses may be required before enrollment in higher-level courses is permitted. Credits earned at the Academic Skill course/ASCK level in preparatory courses and English 100 do not apply to the 124 credits required for graduation.

Student Responsibilities in the Nursing Major

Students are expected to provide their own transportation, uniforms, books, supplies, equipment and other learning resources such as clients for practice experience as deemed necessary to meet course objectives.

Health

Good physical and mental health is essential for study and practice in professional nursing. The faculty of the College of Nursing reserves the responsibility for retaining only those students who demonstrate qualities of physical and mental health generally considered to be imperative for professional nursing practice.

A physical examination and specified immunizations are required of all students prior to enrollment in nursing practice courses. Expenses of this examination are the student's responsibility. Evidence of a physical examination, to be completed by a nurse practitioner, university physician, or a physician of the student's choice, must be submitted to Tallent Hall L180 on a date specified by the College of Nursing. The examination must be completed within one year before the date on which the student begins clinical nursing course work. Students who do not meet these health requirements may not be able continue in the nursing major.

After an offer of admission to the nursing major is made, admission is contingent upon demonstration of satisfactory health as evidenced by physical examination and fulfillment of the health and immunization requirements by the appropriate deadline. The College of Nursing reserves the right to require a student to seek advice of healthcare professionals where it is believed that a condition of health would impede his/her progress or jeopardize the health of others. The College

of Nursing does not discriminate based on a disability and provides reasonable accommodation to qualified students on an individual basis.

Students are required to pass a 10 panel urine drug screen prior to continuing in a clinical nursing practicum course. The purposes of the drug screen are to comply with expectations of area health care agencies, to provide optimal healthcare, and to support professional nursing's zero tolerance position related to the unlawful use of substances. Students must abide by the drug screen policies of each healthcare agency to which they are assigned for clinical practicums.

Illness or Prolonged Absence

Students are expected to be present at all scheduled classes and clinical laboratory experiences. Since space in nursing courses is assigned during the first week of the semester, students are expected to be present for all instructional periods during that week as well. Frequent or prolonged absences from scheduled classes and/or clinical experiences may necessitate that the student drop a nursing course. Any planned interruption in course work should be discussed with the student's instructor(s), course coordinator and the nursing advisor.

CPR Certification

Students must be certified in CPR at the health professional level prior to the first day of classes for the first semester in the nursing major. Authorized program is offered by the American Heart Association. Local community groups offer programs sponsored by this agency.

Students admitted to the major must provide clinical instructors with a copy of their CPR card at the first meeting of their clinical lab group. Evidence of continued certification in CPR will be required throughout the program.

Background Check

Upon admission to the nursing major, successful completion of a criminal background check is required. Should a background check reveal that a student has a history of a criminal charge and/ or conviction, they will be asked to make an appointment with the Academic Affairs Coordinator to discuss the implications of this finding on their educational plan. For all criminal background findings, the decision to accept a student for clinical placement will be made by the clinical agency, not the College of Nursing. More information on the Wisconsin Caregiver Background Check Law is available at http://www.dhs.wisconsin.gov/caregiver/index.htm (http://www.dhs.wisconsin.gov/caregiver/). Consult with the College of Nursing Office of Academic Affairs at 414-229-2310 with questions specific to this area.

A processing fee will be charged for the background check. Additional fees will be charged for students who have resided outside of Wisconsin in the past three years.

Requirements for Employment, Licensing and Professional Practice

Students should be aware that some professions, occupations, and employers are subject to licensing and/or bonding requirements. When a course of study includes clinical or field training, practice teaching, internships, or the like, students may be subjected to a check of criminal conviction records prior to acceptance of a student by the placement site. Students are responsible for obtaining the information necessary for them to become knowledgeable about these requirements and plan their studies accordingly.

Professional Credentials

Wisconsin state law requires nurses to be licensed to practice nursing within the state. Licensure is obtained by endorsement or by passing an examination. Students graduating from the College of Nursing are eligible to write the examination if they:

1. are at least 18 years of age,
2. are graduates of a high school or its equivalent,
3. are able to speak, read, and write English,
4. can attest they are U.S. Citizens, and
5. pay the fee for licensure.

Applicants for registration/licensure in the state of Wisconsin will be asked to state if they have ever been convicted of a criminal offense, excluding minor traffic violations. When individuals have such a conviction, an explanation is requested. An investigation may follow depending upon the circumstances and all the facts related to the situation.

Safe Professional Practice in Clinical Settings

Students are expected to demonstrate patterns of professional behaviors which follow the legal and ethical codes of nursing; promote the actual or potential well-being of clients, health-care workers, and self in the biological, psychological, sociological, and cultural realms; demonstrate accountability in preparation, documentation, communication, and continuity of care; and show respect for the human rights of individuals. A student whose pattern of behavior is found to be unsafe may be terminated from a clinical practicum for reason of unsafe practice at any time during the semester. If the behavior is identified before the drop date, the student will be directed to drop. If the drop date has passed, the student will receive a grade of F for the course. In order to continue in the nursing program, a student who is terminated from a clinical practicum must appeal to the Undergraduate Program Committee for readmission to the nursing program.

Travel

Students in nursing are responsible for arranging transportation to and from all agencies or clients' homes used to provide clinical experience for the program. They are also responsible for any related liability. Students are expected to carry insurance on their vehicles.

Uniforms

Information about the uniform is shared at the nursing orientation and again in NURS 353 Clinical Practicum 1: Foundations courses. Students purchase their uniforms after acceptance.

College of Nursing Academic Regulations

Required Grade Point Average

Every nursing student is required to maintain a minimum of a C average (cumulative GPA of 2.0 on a 4.0 scale) on all work attempted in each semester or summer session. Failure to meet this minimum GPA will automatically result in a status of academic probation.

In addition to maintaining a cumulative GPA of 2.0, a student must earn at least a C (2.0) in each required nursing course. (In a practicum course, a student must earn at least a C in both the clinical and theoretical components in order to receive a C as the final course grade.) Any student who earns a grade below C (2.0) in a required nursing course is automatically dropped from the nursing major. Such a student must appeal to the Undergraduate Program Committee for readmission and

permission to repeat the course in which a minimum grade of C was not earned. In a nursing course with limited enrollment or a waiting list, qualified students who have not taken the course previously will have enrollment priority. Progression to the next level of courses is not permitted until all courses of the previous level have been successfully completed.

Dropping Courses

Students should refer to a current class schedule for information concerning existing UW-Parkside drop policy guidelines and any exceptions for individual courses.

A student who wishes to drop from a required or elective clinical nursing course or to withdraw from the nursing program must discuss the matter with the instructor, coordinator of the Consortial Nursing Program, and, as advised, the director of the undergraduate program and the associate dean for academic affairs. In addition, the student may wish to discuss the matter with an academic advisor in the Consortial Nursing Program. Written approval to drop must be secured from the instructor and the director of the undergraduate program irrespective of the week of the semester. Any such interruption in the sequence of courses following acceptance into the major requires readmission to the nursing major. Information about the procedure for applying for re-admission is available in the Consortial Nursing Office. For additional information please refer to the College of Nursing Student Handbook which is available in the Consortial Nursing Office (Tallent Hall L180).

Grievance Procedure

The College of Nursing has a formal written grievance procedure, available in the Consortial Nursing Office (Tallent Hall 288). A grievance is defined as any situation affecting the status of a student in which the student believes his/her rights have been compromised or denied because of an erroneous or arbitrary interpretation or application of rules. Student grievances are reviewed by the College of Nursing Undergraduate Program Committee, which recommends the disposition of the grievance to the associate dean for academic affairs. In addition, this committee reviews and acts upon all cases of academic misconduct as described in Chapter UWS 17, UW-Milwaukee Student Disciplinary Procedures.

Programs Offered

- Nursing Major (BS) (p. 358)

Courses in the Consortial Nursing Program

NURS 101 | Cultural Diversity in Health Care | 3 cr
Enables student to conceptualize cultural diversity as a basic component of American Society with implications for sensitivity and respect in health promotion and human relations.
Prerequisites: None.
Offered: Fall, Spring.
Meets: Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity

NURS 190 | Special Studies in Nursing | 1-5 cr
Prerequisites: Freshmen standing only; consent of nursing advisor.

NURS 290 | Special Studies in Nursing | 1-5 cr
Prerequisites: Sophomore standing only; consent of nursing advisor.

NURS 351 | Professional Role I: Foundations of Professional Practice | 2 cr
Exploration of selected foundational concepts and principles essential to the professional nursing role. Requires fees.
Prerequisites: Admission to nursing major.
Offered: Fall.

NURS 352 | Health and Illness Concepts 1: Introduction | 3 cr
Introduction of selected foundational health and illness concepts essential to nursing practice. Differential tuition: $31.52/credit.
Prerequisites: Admission to nursing major.
Offered: Fall.

NURS 353 | Clinical Practicum 1: Foundations | 3 cr
This clinical practicum course introduces students to the application of foundational knowledge, skills, and attitudes in the provision of nursing care.
Prerequisites: Admission to nursing major.
Offered: Fall.

NURS 354 | Clinical Nursing Skills 1 | 1 cr
Mastery of basic nursing skills for a variety of settings and phases of care using clinical judgment as the foundation for interventions. Study of concepts essential for demonstrating competencies in the safe performance of care.
Prerequisites: Advanced to the professional nursing major; NURS 353 or concurrent enrollment.
Offered: Fall, Spring.

NURS 390 | Special Studies in Nursing | 1-5 cr
Prerequisites: Junior standing only; consent of nursing advisor.

NURS 398 | Health Assessment and Promotion in Nursing Practice | 3 cr
Application of nursing concepts and skills to promote health and comprehensively assess the health status of individuals using a nursing framework.
Prerequisites: Admission to nursing major.
Offered: Fall.

NURS 399 | Concepts of Pathophysiology and Pharmacotherapeutics | 4 cr
Pathophysiology and pharmacology concepts for nursing across the lifespan.
Prerequisites: Admission to nursing major.
Offered: Fall.

NURS 400 | Concepts of Pathophysiology and Pharmacotherapeutics II | 4 cr
Pathophysiology and pharmacology concepts for nursing across the lifespan.
Prerequisites: NURS 399.
Offered: Spring.

NURS 419 | Concepts of Evidence-Based Nursing Practice | 3 cr
Introduction to and integration of concepts relevant to evidence-based nursing practice.
Prerequisites: NURS 352.
Offered: Spring.

NURS 420 | Professional Role 2: Provider of Care | 2 cr
Examination of selected concepts and principles essential to the provision of patient care. Requires fees.
Prerequisites: NURS 351.
Offered: Spring.

NURS 421 | Health and Illness Concepts 2: Acute and Chronic Conditions | 3 cr
This course focuses on nursing care of individuals and families experiencing acute and chronic health conditions using a holistic approach.
Prerequisites: NURS 352.
Offered: Spring.

NURS 422 | Clinical Practicum 2: Acute and Chronic Conditions | 3 cr
This clinical practicum course focuses on providing nursing care for individuals and families with acute and chronic conditions. Students should expect to spend time in the NLRC working on psychomotor skills on a day they are not assigned to clinical. Psychomotor skill learning and check off is done outside of scheduled clinical hours. Differential tuition $31.52 per credit
Prerequisites: Enroll in any section; clinical site; TBD.
Offered: Spring.

NURS 423 | Clinical Nursing Skills 2 | 1 cr
Mastery of nursing skills related to care of individuals and families with acute and chronic conditions. Competencies performed in a variety of healthcare settings and phases of care, requiring clinical judgment.
Prerequisites: Advanced to the professional nursing major; NURS 422 or concurrent.
Offered: Fall, Spring.

NURS 431 | Health and Illness Concepts IV: Lifespan | 3 cr
This course involves the integration of selected concepts in the care of individuals and families across the lifespan.
Prerequisites: Admission to nursing major.
Offered: Fall.

NURS 432 | Health and Illness III: Population Health | 3 cr
This course focuses on nursing care to promote the health of populations and communities.
Prerequisites: Admission to nursing major.
Offered: Fall.

NURS 433 | Clinical Practicum 3: Population Health | 3 cr
This clinical practicum course focuses on applying concepts and providing population based nursing care to aggregates. NURS 422.
Prerequisites: Admission to nursing major.
Offered: Fall.

NURS 434 | Nursing Informatics and Technology | 3 cr
Basic concepts of informatics are introduced with focus on application to clinical practice to improve safety and quality of care.
Prerequisites: Admission to nursing major.
Offered: Fall.

NURS 435 | Concepts of Pathophysiology and Pharmacotherapeutics III | 3 cr
Pathophysiology and pharmacology concepts for nursing across the lifespan. Requires fees.
Prerequisites: Advanced to the professional nursing major; NURS 399, NURS 400; or consent of instructor.
Offered: Fall, Spring.

NURS 476 | Professional Role IV: Leading in Complex Systems | 3 cr
Synthesis of knowledge, skills, and attitudes for leading in complex healthcare environments. Differential tuition: $31.52/credit.
Prerequisites: NURS 430 and progression in nursing major;.
Offered: Spring.

NURS 477 | Health and Illness Concepts V: Complex | 3 cr
Application of selected concepts to individuals/families with complex health and illness needs. Differential tuition $31.52/credit.
Prerequisites: NURS 431, 432.
Offered: Spring.

NURS 478 | Clinical Practicum IV: Complex Care | 6 cr
This practicum course focuses on nursing leadership and nursing care management of individuals, families and groups experiencing complex health care problems. Differential tuition $31.52/credit.
Prerequisites: NURS 353, 422 and 433.
Offered: Spring.

NURS 480 | Transition Into Professional Nursing Practice | 3 cr
Exploration of the new graduate professional role to enable a smooth transition to the first registered nurse position. The course is delivered in hybrid format. Differential tuition of $31.52/credit.
Prerequisites: NURS 478 and progression in nursing major.
Offered: Spring.

NURS 490 | Special Studies in Nursing | 1-5 cr
Consent of nursing advisor.
Prerequisites: Senior standing only.

Nursing Major (BS)

Department website (https://www.uwp.edu/learn/programs/nursingmajor.cfm)

College: College of Natural & Health Sciences

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tolerance position related to the unlawful use of substances. Students must abide by the drug screen policies of each healthcare agency to which they are assigned for clinical practicums.

Illness or Prolonged Absence

Students are expected to be present at all scheduled classes and clinical laboratory experiences. Since space in nursing courses is assigned during the first week of the semester, students are expected to be present for all instructional periods during that week as well. Frequent or prolonged absences from scheduled classes and/or clinical experiences may necessitate that the student drop a nursing course. Any planned interruption in course work should be discussed with the student's instructor(s), course coordinator and the nursing advisor.

CPR Certification

Students must be certified in CPR at the health professional level prior to the first day of classes for the first semester in the nursing major. Authorized program is offered by the American Heart Association. Local community groups offer programs sponsored by this agency.

Students admitted to the major must provide clinical instructors with a copy of their CPR card at the first meeting of their clinical lab group. Evidence of continued certification in CPR will be required throughout the program.

Background Check

Upon admission to the nursing major, successful completion of a criminal background check is required. Should a background check reveal that a student has a history of a criminal charge and/ or conviction, they will be asked to make an appointment with the Academic Affairs Coordinator to discuss the implications of this finding on their educational plan. For all criminal background findings, the decision to accept a student for clinical placement will be made by the clinical agency, not the College of Nursing. More information on the Wisconsin Caregiver Background Check Law is available at http://www.dhs.wisconsin.gov/caregiver/index.htm (http://www.dhs.wisconsin.gov/caregiver/). Consult with the College of Nursing Office of Academic Affairs at 414-229-2310 with questions specific to this area.

A processing fee will be charged for the background check. Additional fees will be charged for students who have resided outside of Wisconsin in the past three years.

Requirements for Employment, Licensing and Professional Practice

Students should be aware that some professions, occupations, and employers are subject to licensing and/or bonding requirements. When a course of study includes clinical or field training, practice teaching, internships, or the like, students may be subjected to a check of criminal conviction records prior to acceptance of a student by the placement site. Students are responsible for obtaining the information necessary for them to become knowledgeable about these requirements and plan their studies accordingly.

Professional Credentials

Wisconsin state law requires nurses to be licensed to practice nursing within the state. Licensure is obtained by endorsement or by passing an examination. Students graduating from the College of Nursing are eligible to write the examination if they:

1. are at least 18 years of age,
2. are graduates of a high school or its equivalent,
3. are able to speak, read, and write English,
4. can attest they are U.S. Citizens, and
5. pay the fee for licensure.

Applicants for registration/licensure in the state of Wisconsin will be asked to state if they have ever been convicted of a criminal offense, excluding minor traffic violations. When individuals have such a conviction, an explanation is requested. An investigation may follow depending upon the circumstances and all the facts related to the situation.

Safe Professional Practice in Clinical Settings

Students are expected to demonstrate patterns of professional behaviors which follow the legal and ethical codes of nursing; promote the actual or potential well-being of clients, health-care workers, and self in the biological, psychological, sociological, and cultural realms; demonstrate accountability in preparation, documentation, communication, and continuity of care; and show respect for the human rights of individuals. A student whose pattern of behavior is found to be unsafe may be terminated from a clinical practicum for reason of unsafe practice at any time during the semester. If the behavior is identified before the drop date, the student will be directed to drop. If the drop date has passed, the student will receive a grade of F for the course. In order to continue in the nursing program, a student who is terminated from a clinical practicum must appeal to the Undergraduate Program Committee for readmission to the nursing program.

Travel

Students in nursing are responsible for arranging transportation to and from all agencies or clients' homes used to provide clinical experience for the program. They are also responsible for any related liability. Students are expected to carry insurance on their vehicles.

Uniforms

Information about the uniform is shared at the nursing orientation and again in NURS 353 (https://catalog.uwp.edu/search/?P=NURS%20353) Clinical Practicum 1: Foundations courses. Students purchase their uniforms after acceptance.

College of Nursing Academic Regulations

Required Grade Point Average

Every nursing student is required to maintain a minimum of a C average (cumulative GPA of 2.0 on a 4.0 scale) on all work attempted in each semester or summer session. Failure to meet this minimum GPA will automatically result in a status of academic probation.

In addition to maintaining a cumulative GPA of 2.0, a student must earn at least a C (2.0) in each required nursing course. (In a practicum course, a student must earn at least a C in both the clinical and theoretical components in order to receive a C as the final course grade.) Any student who earns a grade below C (2.0) in a required nursing course is automatically dropped from the nursing major. Such a student must appeal to the Undergraduate Program Committee for readmission and permission to repeat the course in which a minimum grade of C was not earned. In a nursing course with limited enrollment or a waiting list, qualified students who have not taken the course previously will have enrollment priority. Progression to the next level of courses is not permitted until all courses of the previous level have been successfully completed.

Dropping Courses

Students should refer to a current class schedule for information concerning existing UW-Parkside drop policy guidelines and any exceptions for individual courses.

A student who wishes to drop from a required or elective clinical nursing course or to withdraw from the nursing program must discuss the matter with the instructor, coordinator of the Consortial Nursing Program, and, as advised, the director of the undergraduate program and the associate dean for academic affairs. In addition, the student may wish to discuss the matter with an academic advisor in the Consortial Nursing Program. Written approval to drop must be secured from the instructor and the director of the undergraduate program irrespective of the week of the semester. Any such interruption in the sequence of courses following acceptance into the major requires readmission to the nursing major. Information about the procedure for applying for re-admission is available in the Consortial Nursing Office. For additional information please refer to the College of Nursing Student Handbook which is available in the Consortial Nursing Office (Tallent Hall L180).

Grievance Procedure

The College of Nursing has a formal written grievance procedure, available in the Consortial Nursing Office (Tallent Hall 288). A grievance is defined as any situation affecting the status of a student in which the student believes his/her rights have been compromised or denied because of an erroneous or arbitrary interpretation or application of rules. Student grievances are reviewed by the College of Nursing Undergraduate Program Committee, which recommends the disposition of the grievance to the associate dean for academic affairs. In addition, this committee reviews and acts upon all cases of academic misconduct as described in Chapter UWS 17, UW-Milwaukee Student Disciplinary Procedures.

Requirements for the Nursing Major

Students must earn a minimum of 124 semester credits to complete requirements for the undergraduate UW-Milwaukee degree. A minimum cumulative GPA of 2.0 for all credits earned for UW-Milwaukee is required for graduation. The last 30 semester credits must be completed on the UW-Parkside campus (through the Consortial Nursing Program); at least 20 of these credits must be earned in nursing.

The required courses are listed below. Students who pursue nursing through the Consortial Nursing Program must follow UW-Milwaukee general education requirements for graduation. See below for general education requirements (GER). If a student decides to change his/her major from nursing to a UW-Parkside major, the student must then follow UW-Parkside general education requirements for graduation.

Code	Title	Credits
UW-Milwaukee General Education Requirements (GER) for Nursing Major [1]		
Humanities		
Consult nursing advisor for approved GER		6
The Arts		
Consult nursing advisor for approved GER arts		3
Foreign Language		
Two semesters of the same language		0-8
Electives		
Select eight credits of electives		8
UW-Milwaukee General Education Requirements (GER) for Nursing Major Subtotal		17-25
College of Natural and Health Sciences Requirement		
New entering students, and transfer students with less than 30 college credits, choosing a major in the College of Natural and Health Science are required to take this course.		
UWP 101	First Year Seminar: Natural and Health Sciences	1
Pre-Nursing Prerequisites		
ENGL 201	Advanced Composition	3
SOCA	Sociology Course (Any for three credits)	3
PSYC 101	Introduction to Psychological Science	3
PSYC 210	Introduction to Human Development	3
SOCA	Social Science Elective [2]	3
CHEM 115	Chemical Science	4
CHEM 215	Organic and Biochemistry	4
BIOS 105	Human Physiology and Anatomy I	5
BIOS 106	Human Physiology and Anatomy II	5
BIOS 190	Fundamentals of Human Nutrition	2
BIOS 202	General Microbiology	4
NURS 101	Cultural Diversity in Health Care	3
Medical Terminology course is required. Students may take UWM HS 222 Language of Medicine or GTC 501-101 Medical Terminology. Students should consult advisor for other options.		1-3
Pre-Nursing Prerequisites Subtotal		44-46
Required Nursing Courses for the Major [3]		
NURS 351	Professional Role I: Foundations of Professional Practice	2
NURS 352	Health and Illness Concepts 1: Introduction	3
NURS 353	Clinical Practicum 1: Foundations [4]	3
NURS 354	Clinical Nursing Skills 1	1
NURS 398	Health Assessment and Promotion in Nursing Practice	3
NURS 399	Concepts of Pathophysiology and Pharmacotherapeutics	4
NURS 400	Concepts of Pathophysiology and Pharmacotherapeutics II	4
NURS 419	Concepts of Evidence-Based Nursing Practice	3
NURS 420	Professional Role 2: Provider of Care	2
NURS 421	Health and Illness Concepts 2: Acute and Chronic Conditions	3
NURS 422	Clinical Practicum 2: Acute and Chronic Conditions	3
NURS 423	Clinical Nursing Skills 2	1
NURS 431	Health and Illness Concepts IV: Lifespan	3
NURS 432	Health and Illness III: Population Health	3
NURS 433	Clinical Practicum 3: Population Health	3
NURS 434	Nursing Informatics and Technology	3
NURS 435	Concepts of Pathophysiology and Pharmacotherapeutics III	3
NURS 476	Professional Role IV: Leading in Complex Systems	3
NURS 477	Health and Illness Concepts V: Complex	3
NURS 478	Clinical Practicum IV: Complex Care	6
NURS 480	Transition Into Professional Nursing Practice	3
Required Nursing Courses for the Major Subtotal		62
Total Credits		**123-133**

[1] All nursing students are responsible for checking whether they meet the UW-Milwaukee general education requirements (written above).
[2] See nursing advisor for list.
[3] Students must be admitted to the nursing major. See nursing advisor, Tallent Hall L-180.
[4] Prior to enrolling in the first clinical practice course, NURS 353 Clinical Practicum 1: Foundations, students must complete a level 3 CPR certification program for health professionals. Students will be required to upload a copy of their CPR card to Castle Branch.

Admission to UW-Parkside

Students intending to pursue study in nursing are advised to complete the following units (one unit equals one year) in high school:

- 1/2 unit of speech (if available)
- 2-4 units of a foreign language (at least two years/units of the SAME foreign language)
- 3 units of college preparatory mathematics at or above algebra level
- 1/2 unit of computer science
- 1 unit of biology
- 1 unit of chemistry
- 1 unit of physics
- 1 unit of history
- 3 units of social studies
- 4 units of English

Pre-nursing students are admitted to UW-Parkside as matriculates and are classified as pre-nursing. Admission to the pre-nursing classification does not guarantee later admission to the nursing major. This subsequent admission occurs after a student has successfully completed the pre-professional requirements outlined in this catalog. Admission does not imply or guarantee that a student will be able to enter or complete the professional program within any specific time period. For policies and procedures of the College of Nursing, see College of Nursing Student Handbook for more information.

The policies and procedures of the College of Nursing apply to all students even though the student may be enrolled in courses in another college or school within the university. The general regulations governing UW-Milwaukee presented in this catalog apply to all consortial nursing students; therefore, these students do not need to fulfill UW-Parkside degree requirements.

Requirements for Admission to Nursing Major

The College of Nursing requires a minimum GPA of 2.75 as calculated on the prerequisite courses completed prior to the nursing major and a minimum science GPA of 2.75. For admission to the professional major, an application consists of a review of your academics, volunteer/work/leaderships experiences, an on-campus essay, and a series of mini interviews. Admission to the major is competitive. The minimum GPA required for admission can be significantly higher when there is a large applicant pool. Pre-nursing students who seek to enter the major and meet eligibility criteria (see below) are required to file an application with the nursing advisor in Tallent Hall L-180. The College of Nursing Undergraduate Program Committee reviews the applications and makes recommendations for admission.

Application Deadline

Pre-nursing students who seek to enter the nursing major in September must submit applications by January 2 of the current academic year. Applications received after this date will be reviewed on a space-available basis.

Eligibility Criteria

Students are required to meet the following criteria to be reviewed for selection into the nursing major.

- Satisfactorily complete or be enrolled in the following courses:

Code	Title	Credits
CHEM 115	Chemical Science	4
CHEM 215	Organic and Biochemistry	4
SOCA Sociology Course (any for 3 credits)		
ENGL 201	Advanced Composition	3
ENGL 168	Introduction to Professional Writing	3
BIOS 105	Human Physiology and Anatomy I	5
BIOS 106	Human Physiology and Anatomy II	5
BIOS 190	Fundamentals of Human Nutrition	2
BIOS 202	General Microbiology	4
PSYC 101	Introduction to Psychological Science	3
PSYC 210	Introduction to Human Development	3
Social Science Elective (see advisor for list)		
NURS 101	Cultural Diversity in Health Care	3
NURS 102		2
NURS 251		2

- Courses may be repeated only once. No more than two required courses may be repeated. All credit for required courses must have been earned in the 10 years preceding progression into the nursing major. Grades of less than 2.0 (C) must be replaced by grades greater than 2.0 (C) no later than August for fall applicants.
- Achieve a minimum grade point average of 2.75 on a 4.0 scale. This GPA is computed on the courses listed above. Achieve a minimum science grade point average of 2.75 on a 4.0 scale. This GPA is computed within the required sciences.
- Achieve a minimum grade of 2.0 (C) in each of the required nursing and non-nursing courses as listed under part A.
- Remove all incompletes and replace with acceptable grades before beginning the nursing major.
- In addition to the satisfactory completion of courses listed in part A, applicants must demonstrate competency in math and English. Competencies must be fulfilled through testing or course work by the date of entry into the nursing major. Information about competency testing is available through the Consortial Nursing Office. Refer to the UW-Parkside Advising and Career Center for definition of competencies.
- A statement written by the applicant.
- Meet application deadlines.
- A letter of recommendation is required if an applicant has been enrolled in clinical nursing courses at another school of nursing. This reference must be from the director of that College of Nursing. The letter should reflect a positive recommendation for the student's progression into the nursing major.
- An interview with the student making application may be requested at the discretion of the Undergraduate Program Committee.

- Following a review of the student's record and the progression of the student into the nursing major, the Undergraduate Program Committee may make recommendations intended to assist the student. These recommendations will be communicated to the student.

Enrollment in freshman-level courses is based on ACT scores and in some cases, placement testing. As a result of ACT scores or placement testing, one or more preparatory courses may be required before enrollment in higher-level courses is permitted. Credits earned at the Academic Skill course/ASCK level in preparatory courses and English 100 do not apply to the 124 credits required for graduation.

Course	Title	Credits
Year 1		
Fall Semester		
ENGL 100	Fundamentals of English	3
MATH 111 or MATH 104	College Algebra I or College Mathematics with Applications	5
NURS 101	Cultural Diversity in Health Care	3
UWP 101	First Year Seminar: Natural and Health Sciences	1
PSYC 101	Introduction to Psychological Science	3
	Credits	**15**
Spring Semester		
ENGL 101	Composition and Reading	3
CHEM 115	Chemical Science	4
SOCA 101	Introduction to Sociology	3
PSYC 210	Introduction to Human Development	3
General Education (HU)		3
	Credits	**16**
Summer Semester		
BIOS 202	General Microbiology	4
	Credits	**4**
	Total Credits	**35**

Course	Title	Credits
Year 2		
Fall Semester		
CHEM 215	Organic and Biochemistry	4
BIOS 105	Human Physiology and Anatomy I	5
ENGL 168 or ENGL 201	Introduction to Professional Writing or Advanced Composition	3
Medical Terminology Course		3
	Credits	**15**
Spring Semester		
BIOS 106	Human Physiology and Anatomy II	5
BIOS 190	Fundamentals of Human Nutrition	2
General Education (HU)		3
Art Elective		3
General Elective		3
	Credits	**16**
	Total Credits	**31**

Course	Title	Credits
Year 3		
Fall Semester		
NURS 351	Professional Role I: Foundations of Professional Practice	2
NURS 354	Clinical Nursing Skills 1	1
NURS 352	Health and Illness Concepts 1: Introduction	3
NURS 353	Clinical Practicum 1: Foundations	3
NURS 398	Health Assessment and Promotion in Nursing Practice	3
NURS 399	Concepts of Pathophysiology and Pharmacotherapeutics	4
	Credits	**16**
Spring Semester		
NURS 400	Concepts of Pathophysiology and Pharmacotherapeutics II	4
NURS 419	Concepts of Evidence-Based Nursing Practice	3
NURS 420	Professional Role 2: Provider of Care	2
NURS 423	Clinical Nursing Skills 2	1
NURS 421	Health and Illness Concepts 2: Acute and Chronic Conditions	3
NURS 422	Clinical Practicum 2: Acute and Chronic Conditions	3
	Credits	**16**
	Total Credits	**32**

Course	Title	Credits
Year 4		
Fall Semester		
NURS 435	Concepts of Pathophysiology and Pharmacotherapeutics III	3
NURS 421	Health and Illness Concepts 2: Acute and Chronic Conditions	3
NURS 432	Health and Illness III: Population Health	3
NURS 433	Clinical Practicum 3: Population Health	3
NURS 434	Nursing Informatics and Technology	3
	Credits	**15**
Spring Semester		
NURS 476	Professional Role IV: Leading in Complex Systems	3
NURS 477	Health and Illness Concepts V: Complex	3
NURS 478	Clinical Practicum IV: Complex Care	6
NURS 480	Transition Into Professional Nursing Practice	3
	Credits	**15**
	Total Credits	**30**

Consult with advisor to ensure general education and elective courses meet UWM requirements.

UWP-University-Wide Courses

University-wide courses are interdisciplinary courses designed to address a variety of topics. These courses are generally open to all students, however, students should consult with their academic advisor.

Courses University-Wide (UWP)

UWP 101 | First Year Seminar: Natural and Health Sciences | 1 cr

Prepares first-year students in their academic and personal transition to UW-Parkside and the College of Natural and Health Sciences, the course will engage and prepare first-year students for academic success by orienting them to the scholarly communities within the College and introducing them to available academic resources within the University and the College. The course is designed to help first year students adjust to the university, develop a better understanding of the learning process, and acquire essential academic survival skills while providing an introduction into specific disciplines within the College of Natural and Health Sciences. The seminar will also focus on student reflection of their own learning and career goals and the value and meaning of their education.

Prerequisites: None.

Offered: Fall.

UWP 111 | Freshman Seminar | 1 cr
Provides undecided/undeclared students an overview of many topics related to successful academic careers at UW-Parkside. Includes instruction on study skills, test taking strategies, an overview of student services provides on campus and how to effectively use them, and specific information on majors, colleges, and career/educational planning.
Prerequisites: None.
Offered: Fall, Spring.

UWP 112 | Adult and Nontraditional Student Seminar | 1 cr
Addresses topics relevant to working professionals and individuals returning to college or beginning their college experience. Includes note-taking, reading, writing, and testing strategies; overview of resources tailored to adult students on- and off-campus; and specific information on majors, colleges, and career development and advancement.
Prerequisites: None.
Offered: Fall, Spring.

UWP 200 | Prior Learning Assessment Portfolio Development | 1 cr
Provides an overview of prior learning portfolio development by guiding students through the process of assessing prior learning experience and creating a written reflection on how that learning supports a claim for credit for a specific course. Credit/No Credit grading basis.
Prerequisites: Consent of instructor.
Offered: Fall, Spring.

UWP 293 | Career Exploration and Professional Development | 2 cr
Provide opportunity to explore, connect, and apply key aspects of career exploration and professional development. Emphasizes assessments, exploring careers, investigating academic options, and setting career goals.
Prerequisites: None.
Offered: Fall, Spring.

UWP 294 | Work-Based Learning | 3 cr
Provides opportunity for analyzing and applying essential learning knowledge and skills to current work experience.
Prerequisites: None.
Offered: Yearly.
Meets: Social & Behavioral Science: UWP, Social & Behavioral Science: UWP, Social & Behavioral Science: UWP, Social & Behavioral Science: UWP, Social & Behavioral Science: UWP

UWP 494 | Cross-Disciplinary Internship | 1-3 cr
Provides opportunity to explore a career field outside their discipline through internship. May be repeated for a maximum of 3 credits.
Prerequisites: Sophomore standing.
Offered: Fall, Spring, Summer.

Women's, Gender and Sexuality Studies

Department website (https://www.uwp.edu/learn/departments/WGSS/)

College: College of Arts & Humanities

Program Offered:

Minor - Women's, Gender and Sexuality Studies

UW-Parkside offers a concentration in women's, gender and sexuality studies through the liberal studies major. This major draws upon existing UW-Parkside courses, and students may also receive credit for appropriate transfer courses, distance education courses, and credit for experiential learning.

UW-Parkside also offers a minor in women's studies through the Center for Women's, Gender and Sexuality Studies. Interested students should consult the director of the Liberal Studies Program for the major and the director of the Center for Women's, Gender and Sexuality Studies for the minor.

Affiliated Organizations:

The Women's Center, Wyllie Concourse, 262-595-2170; The Status of Women Committee, 262-595-2592; LGBTQ Resource Center, 262-595-2456

Career Possibilities:

Nonprofit organizations, business, human resources, creative arts, education, government, health, journalism, law, medicine and social work, especially pertaining to issues of gender and sexuality. Graduate school with emphasis in the humanities, social sciences or the professions. Many careers are strengthened and enhanced by a minor in women's studies. Students are encouraged to discuss career options early with the program director and to consider internships and other activities which allow them to explore career possibilities.

Program Overview

The Center for Women's, Gender and Sexuality Studies provides an interdisciplinary program that draws upon all departments in the university to provide a systematic analysis of gender roles, sexual identity, and women's experiences in society. Its goal is to provide insights and generate activities that will lead to a better understanding of gender roles and sexual identity, improve the position of women, and transform society in the process. In such courses, women's positions are often analyzed relative to those of men, and these courses are relevant for both women and men who are seeking a fuller understanding of the past, present and future social trends.

These six learning objectives should guide students' selection of elective courses and guide their approach to the work they do in their course study.

1. Analysis: The ability to read and interpret gendered elements of verbal and nonverbal tests and imagery.
2. Communication: The ability to perceive gender bias in language choices and rhetorical strategies, and to communicate effectively using the media of the 21st century.
3. Ethics and Social Justice: The ability to recognize social injustice, inequality, and discrimination, particularly in regard to gender, and to expose and articulate options for change.
4. History, Culture, and Society: The ability to recognize patterns in past events and see their impact on the status of women and the construction of gender roles.
5. Critical Thinking: The ability to analyze how value systems shape human knowledge with respect to gender.
6. Interdisciplinarity: The ability to make deliberate connections among various academic disciplines, to comprehend and participate in more than one discipline.

Students electing the women's, gender and sexuality studies concentration in the liberal studies major or the women's, gender and sexuality studies minor may combine it with any major to give those

students enhanced knowledge of gender issues within their major area. Graduates have found jobs in the community that focus on women's issues such as program coordinator, program director, counselor, etc., in organizations dedicated to women's issues. In addition, students have often been able to redirect the focus of existing organizations to address the needs of women, which are often neglected.

Preparation for Graduate School

Students who graduate with this minor can go on to professional and graduate programs in law, sociology, humanities, medicine and health, theology and other fields. Consult the director for further information to develop a plan of study.

Internships

Internships and applied experiences in other courses or independent study projects are encouraged. These experiences assist students in evaluating developing skills for possible job settings and for community organizing.

Programs Offered

- Women's, Gender and Sexuality Studies Minor (p. 366)

Courses in Women's, Gender and Sexuality Studies

WGSS 110 | Introduction to Women's, Gender and Sexuality Studies | 3 cr

Introduces the field of women's studies, its theoretical and methodological bases and the challenges it creates for other academic disciplines. Analyzes the construction of gender for both men and women. Examines issues of sexuality, including sexual attraction, intersexuality and trans-sexuality. Examines identity as a complex series of intersections that involve race, ethnicity, and class, often at a global level.

Prerequisites: None.
Offered: Fall, Spring.
Meets: Social & Behavioral Science: WGSS, Social & Behavioral Science: WGSS, Social & Behavioral Science: WGSS, Social & Behavioral Science: WGSS, Social & Behavioral Science: WGSS

WGSS 112 | Women In Literature | 3 cr

Examines representations of women from classical to contemporary periods and identifies ways writing illuminates women's experience. Works by and about women from various cultures and backgrounds are considered. Cross-listed with: ENGL 112.

Prerequisites: None.
Offered: Fall, Spring.
Meets: Humanities and the Arts: WGSS, Humanities and the Arts: WGSS, Humanities and the Arts: WGSS, Humanities and the Arts: WGSS, Humanities and the Arts: WGSS

WGSS 213 | Gender and Society | 3 cr

Explores theory and research on gender roles and gender stratification, focusing on political, economic, family and other settings. Includes historical, cross cultural and subcultural comparisons Cross-listed with: SOCA 213.

Prerequisites: None.
Offered: Fall, Spring, Summer.
Meets: Social & Behavioral Science: WGSS, Social & Behavioral Science: WGSS, Social & Behavioral Science: WGSS, Social & Behavioral Science: WGSS, Social & Behavioral Science: WGSS

WGSS 215 | Queer Representation on Stage and Screen | 3 cr

Examines the portrayal and representation (or lack of representation) of LGBTQIA+ voices and identities in plays and film through theory and criticism. Cross-listed with: THEA 215.

Prerequisites: None.
Offered: Spring (even years).
Meets: Humanities and the Arts: THEA, Humanities and the Arts: THEA, Humanities and the Arts: THEA, Humanities and the Arts: THEA, Humanities and the Arts: THEA

WGSS 290 | Special Topics in Women's, Gender, and Sexuality Studies | 3 cr

Selected topics in women's, gender and sexuality studies.

Prerequisites: None.
Offered: Occasionally.

WGSS 315 | Communication and Gender | 3 cr

Explores the role of communication in the construction of gender, the role of gender in the social organization, and use of language and communication systems. Cross-listed with: COMM 315.

Prerequisites: COMM core courses or consent of instructor.
Offered: Spring.

WGSS 366 | Women, Crime and Criminal Justice | 3 cr

Examines the study of female crime and delinquency. In addition to women as offenders, this course focuses on women as victims and workers in the criminal justice system. Cross-listed with: CRMJ 366.

Prerequisites: CRMJ 101 or consent of instructor.
Offered: Occasionally.

WGSS 367 | LGBTQ Studies | 3 cr

Examines the everyday lives of people in the LGBTQ community as they participate in identity politics, collective action, resistance, and empowerment in a heteronormative society. Cross-listed with: SOCA 367.

Prerequisites: ANTH 100 or SOCA 101 or WGSS 110.
Offered: Occasionally.

WGSS 390 | Special Topics in Women's, Gender, and Sexuality Studies: | 1-4 cr

Selected topics in women's, gender and sexuality studies.

Prerequisites: None.
Offered: Occasionally.

WGSS 463 | Gender, Race, Class and Sexualities in the Media | 3 cr

Explores how representations of gender, race, class and sexualities in the media contribute to views of culture, self, and others. Cross-listed with: COMM 463.

Prerequisites: COMM Core courses or consent of instructor.
Offered: Fall.

WGSS 469 | Women as Writers and Characters | 3 cr

Examines writing by women and depictions of women in literature. May be repeated for credit with different topic. Cross-listed with: ENGL 469.

Prerequisites: ENGL 266; or consent of instructor.
Offered: Occasionally.

WGSS 490 | Special Topics in Women's, Gender, and Sexuality Studies | 3 cr

Selected topics in women's, gender studies and sexuality studies.

Prerequisites: Varies with topic.
Offered: Occasionally.

WGSS 494 | Internship in Women's, Gender Studies and Sexuality Studies | 1-6 cr
Work experience in a program-related environment, or supervised experiences in planned projects, that exposes students to applied settings that serve women. Emphasis applying feminist analysis, qualitative research methods, communication and other skills, while increasing career knowledge and awareness. Maximum of three credits may apply to minor.
Prerequisites: Consent of instructor and program director.
Offered: Fall, Spring, Summer.

WGSS 495 | Women's, Gender and Sexuality Studies Seminar | 3 cr
Focuses on developments in feminist theory and methodology, with the goal of integrating theory and methods acquired in earlier women's, gender and sexuality studies courses and encouraging students to apply the material to the community around them. Allows students to work in their own interests within a broad theme selected by the instructor.
Prerequisites: WGSS 110 and two other WGSS credited courses.

WGSS 497 | Women's, Gender and Sexuality Studies Senior Thesis | 3 cr
Independent research and writing of an essay of substantial length under faculty supervision. Agreement of faculty member to undertake supervision is necessary before registration.
Prerequisites: WGSS 110 and two other WGSS credited courses; and consent of instructor.
Offered: Fall, Spring, Summer.

WGSS 499 | Independent Study | 1-3 cr
Individual research projects in women's, gender and sexuality studies. Maximum of three credits may apply to minor.
Prerequisites: Consent instructor and program director.
Offered: Fall, Spring, Summer.

Women's, Gender and Sexuality Studies Minor

Department website (https://www.uwp.edu/learn/programs/womengendersexuality.cfm)

College: College of Arts & Humanities

Requirements for the Women's, Gender and Sexuality Studies Minor

Code	Title	Credits
Core Courses		
WGSS 110	Introduction to Women's, Gender and Sexuality Studies	3
Select one of the following:		3
WGSS/ENGL 112	Women In Literature	
WGSS/SOCA 213	Gender and Society	
Select one of the following:		3
WGSS/COMM 463	Gender, Race, Class and Sexualities in the Media (Same As COMM 463)	
WGSS 494	Internship in Women's, Gender Studies and Sexuality Studies	
WGSS 495	Women's, Gender and Sexuality Studies Seminar	
WGSS 497	Women's, Gender and Sexuality Studies Senior Thesis	
WGSS 499	Independent Study	
Elective Courses		
Select three elective courses, from at least two of the following three areas: [1]		9
Humanities and Art [2]		
COMM/WGSS 315	Communication and Gender	
COMM/WGSS 463	Gender, Race, Class and Sexualities in the Media	
ENGL/WGSS 112	Women In Literature	
ENGL 417	Studies In British Literature	
ENGL 464	Studies in Cultural Trends	
ENGL/WGSS 469	Women as Writers and Characters	
PHIL 290	Special Topics in Philosophy	
THEA/WGSS 215	Queer Representation on Stage and Screen	
Social Sciences [3]		
CRMJ/WGSS 366	Women, Crime and Criminal Justice	
MGT 446	Global Management	
PSYC 280/380	Psychology of Gender	
SOCA/WGSS 213	Gender and Society	
SOCA/WGSS 367	LGBTQ Studies	
SOCA 374	Women and Work	
Natural Sciences [4]		
BIOS 103	Human Biology	
HLTH 321	Women's Health Issues	
SOCA 379	Society and Environment	
SPMT 210	Sport in Society	
Total Credits		**18**

1. Each semester, courses from other departments that are available for women's, gender and sexuality studies credit will be listed in the course schedule.
2. Approved women's, gender and sexuality studies courses from English, art, communication, theatre arts, humanities, music and philosophy. Examples include:
3. Approved women's, gender and sexuality studies courses from sociology, history, international studies, political science, psychology, economics, and business. Examples include:
4. Approved women's, gender and sexuality studies courses from biology, chemistry, physics, environmental studies, and exercise science and sport management. Examples include:

Each semester, courses appropriate for the women's, gender and sexuality studies minor are listed in the course schedule. Since courses are offered on a rotating basis, students are advised to consult with women's, gender, and sexuality studies faculty and directors to assist them with course selection and proper completion of requirements.

Students may count 3 credits of WGSS 494 Internship in Women's, Gender Studies and Sexuality Studies or WGSS 499 Independent Study toward the minor. Arrangements for these projects must be made with individual women's, gender and sexuality studies faculty.

University Requirements for Minors

Course work in the minor must be completed with the minimum GPA as specified by the department or program under which the minor falls, usually a 2.00 on a 4.00 scale, but higher in some programs. Transfer students must attain the minimum specified GPA on a combination of transfer credits accepted toward the minor and credits attempted at UW-Parkside.

At least half of the course work required for a minor must be completed at UW-Parkside.

GRADUATE PROGRAMS AND POLICIES

Master's Degree Programs

The university offers the following graduate degree programs. Additional graduate course work is offered in other fields of study.

- Applied Biotechnology (MS) (p. 377)
- Applied Professional Studies (MA) (p. 380)
- Biological Sciences (MS) (p. 384)
- Clinical Mental Health Counseling (MS) (p. 388)
- Computer and Information Systems (MS) (p. 392)
- Cybersecurity (MS) (p. 397)
- Health and Wellness Management (MS) (p. 400)
- Healthcare Administration (MS) (p. 402)
- Information Technology Management (MS) (p. 404)
- Master of Business Administration (MBA) (p. 406)
- Professional Communication (MA) (p. 413)
- Sport Management (MS) (p. 416)
- Sustainable Management (MS) (p. 419)

Master's Degree Program Concentrations

Applied Professional Studies (MA) Concentrations (p. 380)[1]

- Content Expertise for Professional Educators
- Leadership in Public Service
- Smart City Policy and Planning
- Individualized Degree Plan

Biological Sciences (MS) Concentrations (p. 384)

- Ecology, Evolution and Conservation
- Molecular Biology

Computer and Information Systems (p. 392)[1]

- CyberSecurity
- Data Science
- Information Technology Management
- Software Development

Cybersecurity (p. 397)[1]

- Digital Forensics
- Cyber Response
- Governance and Leadership
- Security Architecture

Master of Business Administration (MBA) Concentrations (p. 406)[1]

- Accounting
- Data Analytics
- Finance
- General Management
- Global Management
- Human Resources
- Marketing
- Program and Project Management
- Supply Chain Management

[1] Requires a concentration

Graduate Certificate Programs

The university offers the following graduate certificate programs. Additional graduate course work is offered in other fields of study.

- Applied Bioinformatics Certificate (p. 421)
- Climate Leadership Graduate Certificate (p. 422)
- Data Analytics Certificate (p. 423)
- Digital Marketing Analytics Certificate (p. 423)
- Digital Marketing Management Certificate (p. 424)
- Emerging Technology in FinTech Certificate (p. 425)
- Enterprise Infrastructure Certificate (p. 425)
- Environment, Social and Governance Graduate Certificate (p. 426)
- Foundations of Health and Wellness Graduate Certificate (p. 427)
- Human Resource Management Certificate (p. 427)
- Improving Health with Data and Policy Graduate Certificate (p. 428)
- IT Leadership Certificate (p. 429)
- IT Operations Certificate (p. 429)
- Leadership in Health and Wellness Graduate Certificate (p. 430)
- Leading FinTech Transformation Certificate (p. 430)
- Marketing Certificate (p. 431)
- Project Management Certificate (p. 432)
- Senior Living and Services Leadership Certificate (p. 433)
- Smart City Policy and Civic Partnerships Certificate (p. 434)
- Sport Management Sustainability Certificate (p. 434)
- Sports Communication Certificate (p. 435)
- Supply Chain Management Certificate (p. 436)
- Sustainability and Well-being Certificate (p. 436)

Online Programs

Graduate Degree programs:

- Applied Biotechnology (MS) (p. 377)[1]
- Applied Professional Studies (MA) (p. 380)
- Cybersecurity (MS) (p. 397)[1]
- Health and Wellness Management (MS) (p. 400)[1]
- Healthcare Administration (MS) (p. 402)[1]
- Information Technology Management (MS) (p. 404)[1]
- Master of Business Administration (MBA) (p. 406)
- Professional Communication (MA) (p. 413)
- Sport Management (MS) (p. 416)
- Sustainable Management (MS) (p. 419)[1]

Graduate Certificate Programs:

- Applied Bioinformatics Certificate (p. 421)[1]
- Climate Leadership Graduate Certificate (p. 422)[1]
- Data Analytics (p. 423)
- Digital Marketing Analytics (p. 423)[1]
- Digital Marketing Management (p. 424)[1]
- Emerging Technology in FinTech (p. 425)[1]
- Environment, Social and Governance Graduate Certificate (p. 426)[1]

- Foundations of Health and Wellness Graduate Certificate (p. 427)[1]
- Human Resource Management (p. 427)
- Improving Health with Data and Policy Graduate Certificate (p. 428)[1]
- Leadership in Health and Wellness Graduate Certificate (p. 430)[1]
- Leading FinTech Transformation (p. 430)[1]
- Marketing (p. 431)
- Project Management (p. 432)
- Senior Living and Services Leadership Certificate (p. 433)[1]
- Sport Management Sustainability (p. 434)
- Sports Communication (p. 435)
- Sustainability and Well-being Certificate (p. 436)[1]

[1] These programs are offered jointly by UW-Parkside and other UW partners.

Admission

Admission is a judgment the faculty of the program makes regarding the probability of the student's success in graduate work. This judgment is usually based on the student's undergraduate and post-graduate academic record and evidence, which varies by program, such as work experience, letters of reference, and aptitude tests. This judgment will be based on the faculty's assessment of the student's current academic abilities.

Some students may be asked to repeat some previous courses, particularly if a considerable time has elapsed since the completion of an applicant's prior studies. Other conditions may also be placed on a student's admission.

Admission as a Degree-Seeking Student

Students seeking a UW-Parkside graduate degree should apply online using the University of Wisconsin System Graduate Application. They should submit the form and the non-refundable application fee and arrange to have official transcripts, test scores, and any other data required by their specific program sent to the Office of Admission. Based on the faculty's judgment, the university will notify students whether they are admitted and of any conditions placed on their course of study.

Students applying for admission for graduate study must have a baccalaureate degree from a regionally accredited institution and an undergraduate grade-point average (GPA) acceptable to the program to which they are applying. Degree candidates must furnish a full set of official transcripts of college-level and post- graduate work as part of the application. If a graduate program requires satisfactory test scores on the Graduate Management Admissions Test or the Graduate Record Examination, applicants must make their own arrangements to take the tests and must pay the appropriate examination fee.

Admission with Probationary Status

For applicants who do not meet the admission criteria, admission with probationary status may be granted after taking into consideration the applicant's special qualifications and circumstances. Students admitted on probation will be on probation for their first 9 semester credits.

A student who is admitted on probation is required to attain a minimum GPA of 3.00 on the first 9 credit hours of course work completed at UW-Parkside. Students who do not meet the above requirement will be dropped from the program.

Admission as a Non-Degree-Seeking Student

Qualified students who hold a baccalaureate degree from a regionally accredited institution and who meet course prerequisites may be admitted by the program to enroll in graduate courses subject to the availability of space in the course. Non-Degree seeking students (also called special students) must go to the program office to be advised. Requirements for admission vary with the program. Special students wishing to change to degree-seeking status must submit the full set of credentials required of all applicants. A maximum of 12 graduate credits earned as a special student may be applied toward a UW-Parkside graduate degree, although individual programs may have their own more restrictive stipulations. Due to the nature of their program design, stackable certificate degree programs are exempt from this maximum 12-credit restriction on the number of credits that can be applied to the degree program.

Consortial M.B.A. Program

Students seeking to earn a degree in the M.B.A. consortial program are formally the other university's degree-seeking students and will be held accountable for any polices in place at the other university. Students should also apply for admission to UW-Parkside as a non-degree-seeking student (see above). These students take a combination of the other university's and UW-Parkside's graduate courses through UW-Parkside and transfer the UW-Parkside courses to the other school toward completion of the degree.

Audit Students

Subject to the availability of space and the permission of the course instructor, a limited number of audit students may be admitted to graduate courses. Audit students must be admitted and meet the same admission standards as non-degree-seeking students. Audit-only students are admitted through the same process as special students and are also required to seek advising before registering.

International Students

Students from approximately 25 countries currently attend UW-Parkside. The Office of Admissions assists international students in completing the admissions process and determines eligibility for scholarship assistance.

Admission of international students depends on scholastic achievement, English language proficiency, and the student's ability to secure the required financial support. To apply, students must submit the following: The University of Wisconsin System International application, official transcripts in English translation of all post-secondary institutions of higher education; professional credential service evaluation (see below) and the required application fee. Students whose prior education was not conducted in English are required to submit proof of language proficiency. English proficiency may be demonstrated by submission of the Test of English as a Foreign Language (TOEFL) or the International English Language Testing System (IELTS) examinations. Minimum TOEFL score of 79 (internet based) or Minimum IELTS score of 6 is required.

Official college or university transcripts must be submitted to UW-Parkside as well as a professional credential service evaluation that is recognized through NACES (naces.org (http://naces.org)). The following credential evaluations services are recommended: Education Credentials Evaluators, Inc (ECE), World Education Services (WES), or SpanTran. An additional fee will be charged by the evaluation service.

All students needing student visas to enter or remain in the United States while studying at UW-Parkside must complete additional forms. All

forms must be in by May 1 for September admission or November 1 for January admission. International students must be aware that if their visa requires them to be a full-time student, then they should confirm that their graduate program would accommodate a full-time schedule.

Undergraduate Students in Graduate Courses

Graduate credit is available only to those who have been admitted as graduate students or to seniors admitted to a joint graduate/undergraduate status. Certain courses have two numbers, depending on whether they are taken for undergraduate or graduate credit. Under special circumstances, undergraduates in their last year may be admitted to courses offered for graduate students, subject to prior approval by their advisor, the course instructor, head of the graduate program, and the graduate dean. Credits earned in the graduate course will count toward the 120 undergraduate credits required for a bachelor's degree. Students who have earned credits in excess of the number needed for a bachelor's degree may petition a graduate program to accept these courses at the time of admission to a graduate program.

Transfer of Graduate Credit

Applicants who have taken graduate courses at another institution must submit official transcripts of this work as part of their credentials. UW-Parkside will accept no more than 12 graduate credits earned at another regionally accredited institution. Individual departments and programs may accept fewer than 12 credits. Only credits earned with a grade of B (3.00 on a 4.00 scale) or higher will be accepted. Individual programs may impose more stringent requirements.

Only credits applicable to the UW-Parkside degree requirements, as determined by the program faculty, will be accepted. Program faculty may request to see textbooks, course syllabi, examinations, etc., in making the determination and may also request the student to take an examination. Students already admitted or enrolled at UW-Parkside must have prior consent from their graduate program faculty in order to take graduate work at another institution and transfer it to UW-Parkside. For further information, contact the appropriate graduate program.

University Governance 262-595-2384

Graduate Policies

The faculty of UW-Parkside has set minimum academic requirements that must be fulfilled by all graduate students, those university-wide graduate study requirements and procedures are below. Specific graduate programs may have additional requirements spelled out in greater detail in the description of their programs.

Master's Degree Requirements

To receive a master's degree from UW-Parkside, students must meet the following minimum requirements (note that individual programs may impose more stringent requirements):

1. Complete at least 30 graduate credits, of which no more than 12 may be transferred from another institution.
2. Have an overall GPA of at least 3.00 for all graduate work taken at UW-Parkside that is applicable to the degree program.
3. Satisfy all requirements of the graduate degree program.

Students may take no more than seven years to complete a degree, beginning with the semester in which they complete their first course as a UW-Parkside degree-seeking graduate student, unless they apply for and receive an extension through the appropriate graduate program. Some programs may impose a shorter time limit. To graduate, students must file a request for graduation. The request form, signed by the student's advisor and filed in the appropriate graduate program office, initiates the final review of the candidate's records. Students also need to apply to graduate with the Office of the Registrar.

Accelerated Master's Degree Policy

Definitions

Shared credit: Counting the same course credit for fulfillment of the requirements of both an undergraduate and a graduate degree.

Forward-Shared Credit: graduate -level course credit completed as an undergraduate student that, in addition to the bachelor's degree credit, is eligible to fulfill graduate degree credit upon student admission to the graduate program. The forward shared credits are subject to transfer credit policy, a grade of B or better (B- is not acceptable) is required.

Backward-Shared Credit: graduate course credit completed as a graduate student that is eligible to fulfill remaining undergraduate degree credits in addition to graduate degree credits.

Degree Requirements

Undergraduates complete at least 120 credits for a bachelor's degree. Graduates complete at least 30 credits for a master's degree and substantially more in some graduate programs. Students in an Accelerated Master's program complete the same requirements by sharing graduate-level credits within the prescribed limits to complete both degrees. All graduate-level work requires students to follow graduate academic standards, regardless of when they take the course. Each program may share credit differently and may share credit forward, backwards or both provided that at least 50 % of courses applied to a graduate program are courses designed for graduate work (700 level).

Bachelor's Degree

Undergraduate requirements

Students should plan to complete their university skill, diversity, foreign language and most of their general education and major requirements prior to being approved to take graduate level courses as part of an accelerated master's degree program. Remaining undergraduate credit requirements fulfilled through backwards-shared credits is specified by the program and will be completed as a graduate student. Some programs do not prescribe to backward-shared credit.

Forward-Shared Credits

Some programs prescribe forward shared credits so undergraduates can begin graduate coursework eligible for both their bachelor's and graduate degrees. Undergraduates must meet the minimum GPA requirements for the graduate program before attempting graduate level work. Programs may have additional requirements for enrolling in eligible graduate-level coursework. Enrollment in graduate-level coursework during an undergraduate career does not guarantee admission to the graduate program. All graduate-level work requires completion of graduate academic standards. Students accruing forward-shared credits remain in undergraduate standing, pay undergraduate tuition for graduate-level courses, and are eligible for undergraduate financial aid. For a 400/600 level course, students must enroll in and complete the 600-level course. Because forward-sharing credits are subject to the university's transfer credit policy, a grade of B or better is required.

All accelerated graduate degree students must have an approved Accelerated Master's program form prior to enrolling in graduate-level coursework.

Graduate Degree

Graduate program admission requirements
For Accelerated master's programs that prescribe to backward-shared credits, students can be admitted to the graduate program prior to completing their bachelor's degree. To be considered for admission to the graduate program prior to completing their bachelor's degree, students must meet the graduate program's admission criteria and have completed required bachelor's degree credits minus eligible backward shared credits prior to their first term as a graduate student. (For example, if the bachelor's degree requires 120 credits and the Accelerated masters program allows for 6 backward sharing credits, the students must have 114 undergraduate degree credits before starting their first term as a graduate student.)

Students who submit a copy of their approved accelerated masters plan form with their official graduation application will not need to submit other application documents such as letters of reference. In addition, international students will not need to submit additional documentation of English language proficiency for the graduate program.

Failure to Gain Admission
A student who applies but is not admitted as an accelerated graduate student may continue with the bachelor's degree and reapply for graduate admission after completing the bachelor's degree.

Graduate Requirements
Once accepted, students begin graduate student status the semester in which they only have backwards-shared credits remaining to complete the bachelor's degree. Students carry the same graduate student status as those admitted with a bachelor's degree and are eligible for all graduate financial assistance, including appointment as graduate assistants. Students pay tuition at the graduate level. The university will not charge any tuition differential for courses that are used to satisfy graduate program requirements if the student was officially part of the accelerated master's program as evidenced by the approved program of study form.

All accelerated graduate degree students must have an approved Accelerated Master's program form prior to starting the program.

Graduate Certificate Programs

Refer to the Programs tab for a list of graduate certificate programs.

Graduate certificates are designed for students at one of the following levels:

- Students who have completed a baccalaureate or higher degree from a regionally accredited institution and are enrolled for graduate credit;
- Students who are enrolled simultaneously in a graduate degree program;

Students must meet the admission requirements of a degree seeking or non-degree seeking graduate student to be eligible to earn a graduate certificate. At least 75% of the credits must be earned after completion of a baccalaureate or higher degree and students must attain a GPA of 3.00 within the certificate courses.

Certificate programs are designed to develop a particular expertise or set of skills. Graduate certificate programs will require a minimum of 8 graduate-level credits. For graduate certificates, at least 50% of the credits must be at the 700 level. At least 60% of the credits for the graduate certificates must be earned at UW-Parkside for program residency. Individual departments and programs may require more than 60% of the credits to be taken at UW Parkside. Certificate programs should not be confused with certification or licensure programs which lead to certification by an outside agency.

Graduate Stackable Certificates

Description
A stackable certificate degree program is one in which students may take multiple certificates that together, may lead to a degree. Stackable certificates are a way for degree-seeking and non-degree-seeking students to earn credentials in one or more areas while also creating a pathway for students who may wish to earn a degree.

Definitions
Non-degree seeking student: a student who is enrolled at the university but not as a degree-seeking student. Non-degree seeking students may enroll in individual courses and may declare a certificate program.
Degree program: a program that leads to a degree such as associate, bachelor, or master's degree.

Graduate Degree Programs consisting of Stackable Certificates
For a graduate degree program that consists of certificates that may be 'stacked' to earn the master's degree, the following rules apply:
1. The degree program must include at least one unique course that is outside of the certificates and that provides an experience that integrates the certificates such as, but not limited to, a capstone course, thesis, or project.
2. Students applying for the degree program must meet the admissions requirements for the degree program. Completion of certificate(s) in the program is not a guarantee of admission to the degree program.
3. To earn the degree, students must meet the program requirements in place at the time of admission to the program.
4. Certificates that are declared and earned prior to when a student has been accepted into a degree program will remain on the student's transcript.

Additional university policies relevant for non-degree seeking students
1. Certificates must meet current policies for certificate programs. (See Graduate Certificate Programs policies).
2. Master's degrees that are earned through stackable certificates must meet current policies for Master's Degree requirements).
3. Non-degree seeking students are not eligible for financial aid from UW-Parkside.
4. Enrollment is limited to six credits unless a credit overload form is approved.
5. Students must meet the university admission requirements of a degree seeking or non-degree seeking graduate student to be eligible to earn a graduate certificate.
6. At least 75% of the credits must be earned after completion of a baccalaureate or higher degree and students must attain a GPA of 3.00 within the certificate courses.

Application to Graduate

In order to graduate, students must submit an application to graduate to the Office of the Registrar. A one-time, non-refundable fee, which is applied toward costs associated with graduation, will be charged. Please check the Office of the Registrar's web page for details about graduation and commencement.

Degree with Distinction

Students completing all requirements for the degree with a cumulative GPA of 3.83 or higher will be awarded the master's degree "with distinction."

Adding a Course

During the first week of the term, students may add any course for which they have met the prerequisites. During the second week, appropriate courses may be added with the written consent of the instructor (or a SOLAR permission number). Beginning the 11th day of classes, a student cannot add a course without written permission of the instructor, the department chair and the dean. The Office of the Registrar will determine comparable deadlines for courses less than a semester in length. Please check the website for comparable Flexible Option Program policies and guidelines.

Dropping a Course

A student may drop any course through the end of the 12th week of the semester. The Office of the Registrar will determine comparable deadlines for courses less than a semester in length and for subscription periods in the Flexible Option Program.

A student may request a late drop for extraordinary reasons beyond the deadline by submitting a request to#the Academic Actions Committee. Granting of requests by the Academic Actions Committee is not automatic. A student should not assume that his/her request will be granted.

An instructor may request that the registrar drop a student from a course if the student does not meet the stated prerequisites or if the student has not attended the course during the first week of classes and has not notified the instructor. The instructor must submit the request by the date specified on the administrative drop form. However, it is still the students' responsibility to make sure that they have been officially dropped from any class.

Flexible Option students will be dropped from all courses after the 10th day of a subscription period for non-payment.

A student who never attends (or stops attending) a course in which he/she has enrolled and who does not drop the course through the appropriate office will receive a failing grade.

A student who drops a course after the fourth week of a semester will receive a transcript notation of "W." (In the case of courses less than a semester in length such as winterim, summer, or flexible option courses, the W notation will be applied if the drop occurs after one-third of the course/subscription period has passed.)

Please check the website for more details of comparable Flexible Option Program policies and guidelines.

Fees for Dropping a Course

After the 10th day of classes, a student will be charged a per credit fee for dropping classes. The Office of the Registrar will determine the comparable deadlines for courses less than a semester in length. Refer to the website for more information.

Retaken Courses

Students are allowed to take a course one time as a retake. Courses taken as a retake are distinguished from repeatable courses which have the same course number (but different content), or are repeatable courses as noted in the course description.

The grade of record for a retake is the most recent grade earned when the course is completed; this is also the grade used in the calculation of the GPA. Retaking a course will not remove the initial grade from showing on the transcript; however it will remove the credits and grade points from the calculation of the cumulative GPA. Permission to retake a course more than one time may be granted by an assigned advisor.

A student may request that a course taken subsequently at another university be counted as a retake for a course taken previously at UW-Parkside. Such a request must be submitted to the appropriate department chair to certify that the transfer course is equivalent to the course taken at UW-Parkside. If the transfer course is certified as equivalent; the course, credits and grade will be applied as a retake.

Note: Retaking courses that have already been completed with a grade of D- or better may have financial aid implications. Students are encouraged to consult with a financial aid counselor.

Repeatable Courses

Repeatable courses are those that may be taken more than once for credit, such as special topics, independent studies, internships, and other selected courses. Courses that may be repeated for credit are designated as such in the course description in this catalog.

Cross-Listed Courses

Cross-listed courses are those that are offered under two or more departments and which have the same title and course description. Cross-listed courses may count toward general university requirements and/or may satisfy the requirements of two or more majors. Each cross-listed course will satisfy the same requirement as its counterpart; therefore, a student who is unable to enroll in a cross-listed course under a specific department heading may enroll in its cross listing and fulfill the same academic requirement. This rule applies to cross-listings which were in effect at the time the course was taken and applies regardless of which discipline is listed on the student's transcript.

Course Prerequisites

A prerequisite is a requirement that a student must have completed prior to enrollment in a specific course and is intended to ensure that a student has the knowledge and experience required for successful course completion. The most common prerequisite is completion of a prior course. Other prerequisites include concurrent registration (i.e. enrollment in a specific course simultaneous with another), placement examinations, and the instructor's consent. Students may enroll in any course for which they have completed the necessary prerequisites or obtained the consent of the instructor. Students who lack the prerequisites but believe they have equivalent backgrounds should consult the instructor before enrolling in a course. A student who enrolls in a course without satisfying the prerequisites and who has not consulted the instructor may be dropped from the class at the instructor's discretion. All prerequisites are listed in the catalog; the course schedule also lists course prerequisites as well as those required for enrollment in a particular course section.

Withdrawal from the University

A student may withdraw from the university during the first half of semester/subscription period. The Office of the Registrar will determine comparable deadlines for courses less than a semester in length. After withdrawal, no record will be kept of a student's grade in his/her courses for that semester/subscription period. After the deadline, a student may request permission to withdraw only for extraordinary non-academic reasons. Please check the website or with your advisor for current procedures.

Leave Status

Students who do not complete any graduate courses within a period of 12 months will be dropped as a graduate student unless they apply for and are granted a leave of absence from graduate work. Dropped students or students exceeding the terms of their leave may apply for readmission to the graduate program.

Attendance Policy

Students are expected to attend all classes. Individual absences from class may be excused only by the instructor. Consult the course syllabus for proper procedures for notifying the instructor in case of emergency.

University-Sponsored Activities

UW-Parkside, while prioritizing academics, believes in the education of the whole person and affirms the educational value of university-sponsored activities that enhance the educational experience such as, but not limited to, participation in the performing arts, music ensembles, student government/student leadership, intercollegiate athletics, study abroad, and attendance at professional/scholarly meetings. The UW-Parkside faculty, staff, students, and administrators work together to reach a compromise that respects both the need for students to attend class and the benefits of participating in university-sponsored activities that enrich students' educational experiences. In the spirit of these shared values,

it is the responsibility of students to:

- attend classes and complete all assignments according to the expectations of their instructors;
- be aware of the policies of each of their instructors;
- be aware of policies regarding adding/dropping of courses, and withdrawal from the university;
- inform their instructors well in advance of any anticipated absences for university-sanctioned activities;
- maintain communication with their instructors throughout the course;
- arrange to make up missed work in a timely manner at the direction of the instructor;

it is the responsibility of faculty to:

- establish policies that recognize the value of participation in university-sponsored activities, which might include flexibility in allowing students to submit assignments or take exams at alternative times or venues;
- provide students their attendance expectations in the syllabus at the beginning of the semester

it is the responsibility of sponsors of university-sanctioned events to:

- recognize the priority of academics and that some courses are experiential in nature, and therefore do not lend themselves to flexible absence and makeup policies;
- schedule events and travel schedules in such a way as to minimize absences from class as much as possible;
- require students to inform the faculty well in advance of any absences or tardiness;
- offer their assistance in accommodating the needs of students who must submit assignments or take exams.

Military Training

In addition to university-sponsored activities, UW-Parkside recognizes that a number of students are attending classes while serving in the military as active duty service members, National Guard members, reservists, or as members of an ROTC program. On occasion, these students will be required to miss class due to military training (these differ from Federal Title 10 Activation or Transfer orders). It is understood that often times these training obligations are scheduled in advance, while occasionally they are deemed necessary with little advance notice to our military-connected students. We also understand that our military-connected students do not have the choice whether to participate or not in these trainings. UW-Parkside encourages our military-connected students to inform their faculty immediately when they learn of these obligations for training. When communicated in advance, these absences should be treated in the manner described above.

When disagreements regarding this policy occur between a student and a faculty member, the issue will be first referred to the faculty member's department chair in writing, followed by the college dean, for review and resolution.

Accommodation of Religious Observances

In accordance with Wisconsin Statute 36.43, UW-Parkside provides for the reasonable accommodation of a student's sincerely held religious beliefs with regard to all examinations and other scheduled in-class activities.

A student with a conflict between an in-class requirement and a religious observance may request an alternative means of meeting the requirement, subject to the following:

1. To be granted an alternative means of meeting an in-class requirement, students must notify their instructors in advance within a reasonable time that there is a need for an accommodation. These requests will be kept confidential.
2. Instructors will provide alternate arrangements for the individuals requesting accommodations, and the request for accommodation may not have a negative effect on the student's grade in the course.
3. Students participating in applied learning experiences will be required to comply with their host site's policies. This includes all levels of clinical and allied health training and educator preparation.

Absence from classes due to religious observance does not relieve students from responsibility for any part of the course work required during the period of absence.

Students who believe they have been denied reasonable accommodation should contact the person identified by the department or academic program to hear such complaints, usually the department chair or academic program director. If the issue is not resolved at the department/program level, students may proceed to the office of the appropriate academic dean and, if it is still unresolved, to the office of the provost.

Students Called to Active Duty Military Service

Students subjected to involuntary Federal Title 10 activation or transfer (called to active duty military service) after the beginning of a term may elect to drop their courses and receive a full refund for courses still in progress or may opt to remain enrolled in some or all of their courses. The student may either request an "incomplete" with the understanding that the coursework be completed upon return from active military duty

or request that a final grade be assigned based upon work completed to date.

These options may not be equally viable for all classes, depending on timing, how much work remains to be completed, or whether a final exam constitutes a major portion of the grade. Students should consult with the instructor to determine the most appropriate option.

Course Policies Credit Load

The normal load for a full-time graduate student is 9 to 12 credits for the fall and spring semesters and 5 or 6 credits for the summer term. For students who work full time, no more than 6 credits in the fall and spring terms and 3 in the summer is advisable. Students enrolling for more than 12 credits during the academic year or 6 credits during summer school must receive prior approval from the appropriate graduate program director.

Waivers and Appeals

Students who wish to obtain a waiver or to appeal an interpretation of an academic regulation should first discuss the matter with the appropriate faculty member or the director of the appropriate graduate program. The graduate dean is also available for advice. To pursue the matter, students should then file a written request with the appropriate graduate program that approves program-specific requirements and recommends actions on others. The Graduate Studies Committee acts upon recommendations involving university-wide regulations or further appeals. Students are entitled to appear before the committee on their own behalf. Requests should be based on exceptional circumstances beyond the control of the student.

University Numbering System

The University of Wisconsin-Parkside has adopted the following guidelines on course numbering:

Number	Meaning
010-090	Developmental, not for degree credit.
100-299	Level I, Lower Division (intended for freshmen and sophomores).
300-499	Level II, Upper Division (intended for juniors and seniors).
500-699	Graduate level but can be paired with undergraduate level.
700-899	Master's level, open to graduate students only.

Courses with an "X" at the end of the number (i.e. 100X) indicate that they are a competency set that is part of a Flexible Option Program.

Table 1. Grades

Total Quality Points

Grade	Meaning	1cr	2cr	3cr	4cr	5cr
A	Excellent	4.00	8.00	12.00	16.00	20.00
A-		3.67	7.34	11.01	14.68	18.35
B+		3.33	6.66	9.99	13.32	16.65
B	Good	3.00	6.00	9.00	12.00	15.00
B-		2.67	5.34	8.01	10.68	13.35
C+		2.33	4.66	6.99	9.32	11.65
C	Satisfactory	2.00	4.00	6.00	8.00	10.00
C-		1.67	3.34	5.01	6.68	8.35
D+		1.33	2.66	3.99	5.32	6.65
D	Poor	1.00	2.00	3.00	4.00	5.00
D-		0.67	1.34	2.01	2.68	3.35
F	Failure	0.00	0.00	0.00	0.00	0.00
MD[1]	Mastered with Distinction	4.00	8.00	12.00	16.00	20.00
M[1]	Mastered	3.00	6.00	9.00	12.00	15.00

[1] Grades utilized in the flexible option degree degree-completion program only.

Grades

At UW-Parkside, letter grades are used, including plus (+) and minus (-) grades. Each letter grade carries a certain number of quality points per credit. A grade of B, for example, is worth three quality points per credit, so that a student receiving a B in a 3-credit course would have earned nine quality points. See Table 1 (above) for a scale of grades and points used by the university.

The following grades are assigned no grade points and are not counted when the GPA is calculated.

Grade	Definition
AUD	Audit Satisfactory
AU-	Audit Unsatisfactory
CR	For credit only
I	Incomplete (temporary)
IX	Incomplete Extended (temporary)
IP	In progress (used for incoming transfer credits only)
NA	Not Attempted (for flexible option competencies only)[1]
N/C	No credit awarded
NG	Not graded
NR	No report submitted (temporary)
PR	Progress (for Flexible Option Program only)
RT	Retaken
S	Satisfactory (only for special circumstances)
U	Unsatisfactory (only for special circumstances)
W	Withdrawn

Unusual Grades

Audit (AUD/AU-)

This grade is assigned for satisfactory or unsatisfactory performance by students who are auditing a course.

Credit (CR) / No Credit (N/C)

These grades designate satisfactory or unsatisfactory performance in the special credit/no-credit courses described earlier.

Incomplete (I)

This temporary grade is assigned to a course/flexible option competency sets/projects for students who, due to extraordinary circumstances (e.g. family/medical emergencies), have requested an incomplete for a course/

flexible option competency sets/projects that is near completion to allow the student extra time to complete. A grade of Incomplete is assigned at the discretion of the instructor, guided by the following policies:

- A grade of Incomplete may be reported for a student who has maintained a passing grade until near the end of the course/project and who then, because of unusual and substantiated cause beyond the student's control, is unable to take or complete the final examination, or to complete some limited amount of work that has yet to be completed. The grade of Incomplete must be accompanied by the instructor's description of the work that has yet to be completed.
- Normally a request for an Incomplete must be made by the student to the instructor prior to the final day of the term/subscription period. However, an Incomplete may be initiated by an instructor on a student's behalf if the instructor believes there is cause to do so.
- The amount of time a student has to complete the work and remove the grade of Incomplete shall be at the discretion of the instructor. Normally that time period shall not extend beyond the last day of classes of the following term/subscription period. Summer school is not counted as a semester for purposes of removing the grade of Incomplete.
- If the Incomplete is not removed within the specified time, the Incomplete will lapse to an F at the end of the term following the term in which the Incomplete was assigned. Flexible option Incompletes will lapse to a grade of PR at the end of three months.
- Flexible option program students requesting an Incomplete must submit official documentation related to the extraordinary circumstances within 30 calendar days of the end of the subscription period. Students receiving a grade of Incomplete must master the project within three months of the end of the subscription period in which the grade was recorded. An Incomplete project that is not mastered within three months will be changed to a grade of PR. A request to change an already recorded grade to a grade of Incomplete will not be carried out unless the instructor files a Request for an Incomplete.
- A student will not graduate with an Incomplete on his/her transcript if failure in that course/project would make the student ineligible to graduate.

Mastered (M)

This is a permanent grade assigned in the flexible option degree-completion program when a student meets or exceeds that stated criteria for mastery of a project.[1]

[1] Please check the website for more details of comparable Flexible Option Program policies and guidelines.

Mastered with Distinction (MD)

This is a permanent grade assigned in the flexible option degree-completion program when a student reaches a distinguished level of achievement for the stated criteria for mastery of a project.[1]

[1] Please check the website for more details of comparable Flexible Option Program policies and guidelines.

Not Attempted (NA)

This is a permanent grade assigned to Flexible Option Program competencies when a student does not attempt the competency during the subscription period in which they are registered. This grade is permanent during an individual subscription period but does not count toward degree or calculation of grade point average because it is a competency level grade rather than at a competency set level.

No Report Submitted (NR)

This temporary grade is assigned to indicate that the grade for a particular class was not reported by the grading deadline for the semester. If no grade is submitted by the instructor before the last day of classes for the next semester (summer school is not counted as a semester for this purpose) a grade of NR shall become a permanent grade of F with normal effect on the student's GPA and earned credits.

Progress (PR)

This is a permanent grade assigned in flexible option programs when a student completes part but not all of the requirements toward the competency/mastery by the end of the subscription period. This grade is permanent but does not count toward degree or calculation of grade point average.[1]

[1] Please check the website for more details of comparable Flexible Option Program policies and guidelines.

Withdrawn (W)

This is a permanent grade assigned for a student who drops a course after the fourth week of a semester. In the case of time frames that are less than a semester in length such as winterim, summer, or flexible option subscription periods, the W notation will be applied if the drop occurs after one-third of the class/subscription period has passed. For students in a flexible option program with a W notation will be applied if they withdraw from a project after the 25th day of the first month of the subscription period through the 15th of the second month. Withdrawals are not awarded after the 15th day of the second month.

Grade Point Average (GPA)

To make it possible to compute term/subscription period, and cumulative averages for grades in courses/flexible option projects or competency sets carrying various amounts of credit, each letter grade carries a certain number of quality points per credit. A grade of A, for example, is worth four quality points per credit, so that a student receiving an A in a 3-credit course will have earned 12 quality points. The GPA is calculated by dividing the total number of quality points earned by the total number of credits attempted.

Grade Changes

Except in the case of a demonstrated error on the part of the instructor or the Office of the Registrar, a recorded grade will not normally be changed. All grade changes require the approval of the instructor, department chair and college dean. A grade assigned at another institution will not be deleted or changed at UW-Parkside.

The Office of the Registrar will not change any grade or implement any change of grade requests after the last day of instruction in the semester (excluding summer) following the semester in which the grade was originally assigned. If a student or faculty member feels that there is just cause to change a grade at a later date they can use the grade appeals process.

Graduate Academic Standing

UW-Parkside is committed to student success. As such, UW-Parkside expects every graduate student to maintain good academic standing. Generally, a student is in good academic standing when their cumulative

Parkside GPA is 3.00 or higher. The following definitions are used for the different types of GPAs:

- Cumulative UWP GPA for graduate students includes grades in all attempted graduate coursework taken at UW-Parkside.
- Degree GPA for graduate students is based on the cumulative UWP GPA and, if applicable, graduate-level transfer credit.

Students must have a degree GPA of 3.00 or higher in order to graduate with a master's degree from UW-Parkside.

Graduate academic standing is intended to reflect academic achievement in UWP coursework. Because of this, degree GPA (which would include transfer credits) is not used in the determination of academic standing.

For graduate students who have attempted nine graduate credits or more, UW-Parkside academic standing will be calculated at the end of fall, spring, and summer terms; academic standing is typically not calculated following winterim. However, a student may submit an appeal if they wish to have their academic standing re-calculated following a winterim term. Academic standing will also be calculated as a result of any grade changes. Graduate students can determine their academic standing using the criteria below. Students who fail to maintain the minimum GPA requirements for good academic standing will face academic probation or suspension.

Good Academic Standing
A graduate student is in good academic standing when their cumulative UW-Parkside GPA in their graduate coursework is 3.00 or higher, regardless of term GPA.

Academic Probation
A graduate student (who has attempted a minimum of nine credits) will be placed on academic probation if their cumulative UW-Parkside graduate GPA falls below 3.00.

A graduate student who is on academic probation will be returned to good academic standing when their cumulative UW-Parkside GPA is above 3.00.

A graduate student on academic probation who earns a term GPA of 3.00 or higher but whose cumulative UW-Parkside GPA is lower than 3.00, will continue on academic probation.

Academic Suspension
A graduate student who is on academic probation and who earns a term GPA lower than 3.00 and whose cumulative UW-Parkside GPA is lower than 3.00 will be placed on academic suspension for one semester, after which time the student may re-enroll.

Students who feel that exceptional circumstances justify immediate reinstatement prior to the conclusion of the one-semester suspension may submit an appeal to the director of their graduate program.

Readmission

If a graduate student is not enrolled in courses for a one-year period, they must apply for readmission. Programs may ask these applicants to take an examination such as the GMAT or GRE or provide other credentials. Applicants for readmission must present evidence to the program that they are now likely to do satisfactory work. Readmitted students are subject to the requirements in effect at the time of their readmission.

A student who is reapplying and who has attended another institution since their initial UW-Parkside enrollment must submit an official transcript from that institution. The academic program and the office of admissions will follow their standard comprehensive review process to make readmission decisions based on transfer coursework completed.

Transcripts

A transcript is an official record of a student's academic activity. It reflects a student's courses and grades, and it provides other academic data, such as semester/subscription period and cumulative GPAs, academic status, honors a student may have earned, and degrees a student may have been awarded.

Each institution defines what makes its transcript official. At UW-Parkside, an official transcript is printed on special transcript paper, bears the registrar's signature, the university's seal, and is issued in a sealed envelope. If the envelope is opened before it is submitted to the office for which it is intended, it is no longer considered official. Some institutions and agencies will not accept a transcript as official unless it arrives from the granting institution by mail.

UW-Parkside requires that students seeking admission to the university submit official transcripts from any other colleges they may have attended. Employers and other universities to which students are applying may require an official copy of the student's UW-Parkside transcript.

Under the Family Educational Rights and Privacy Act of 1974 (FERPA) as amended, the student's record is confidential and UW-Parkside will not release a student's academic transcript without proper authorization from the student.

An official transcript of a student's record is issued only by the Office of the Registrar. UW-Parkside has partnered with Parchment to provide a fast and secure online transcript ordering service that is available to our students/alumni 24 hours a day, 7 days a week.

The student can order a transcript at any time, even if there is an outstanding financial obligation to UW-Parkside, however, the request will not be processed until the obligation has been met and the related hold on the student's record is released by UW-Parkside.

Please see the Office of the Registrar's webpage for more information about how to order a transcript.

Access to Student Records

Under the Family Educational Rights and Privacy Act of 1974 (FERPA), students are entitled to review "official records, files, and data directly related to them" which the university maintains. The university has 45 days to comply with students' written requests to review their records. Students may request a hearing regarding any alleged "inaccurate, misleading, or inappropriate" information in their official records and files. The university will not release information from students' records to a third party without the student's written consent except as permitted by section 99.34, (a) (ii) of the Privacy Act. In accordance with this section, the university will forward student records when requested by a school in which the student seeks to enroll.

A challenge to information students deem erroneous or misleading should be made in writing and directed to the dean or director of the appropriate office so that a hearing can be scheduled. In most cases, the decision of the dean or director will be final. If students find the decision unsatisfactory, they may place a statement in their file setting forth any reasons for disagreeing with the decision. A student's right to challenge information of record does not extend to review of grades received unless

the grade assigned by the professor was inaccurately recorded in the student's records.

In addition, the FERPA designates "directory information" data that can be published or released routinely by the university to any inquirer. Directory information items are: name; address; telephone number; date of birth; major field of study; participation in officially recognized activities and sports; weight and height of members of athletic teams; dates of attendance to include current classification, and withdrawal dates; degrees and awards received; the most recent education agency or institution attended; initial registration date and e-mail address. Any other information will not be given out without the student's specific written permission except for various legitimate educational interest or legal reasons.

Students have the right to inform the university that the above listed directory information should not be released without students' prior consent. If students wish to restrict the release of this information, they must complete and submit the appropriate form in the Office of the Registrar. These FERPA holds remain in effect until the students submit a request in writing to remove them.

Applied Biotechnology (MS)

Department website (https://www.uwp.edu/learn/programs/biotechnologyms.cfm)

College: College of Natural & Health Sciences

The M.S. in Applied Biotechnology represents a fully online, asynchronous curriculum comprised of 31 credits to include six core courses, three sets of track courses, a Capstone preparation course, and a project-based Capstone course. This program is offered collaboratively with UW-Green Bay, UW-Madison, UW-Oshkosh, UW-Parkside, UW-Platteville, UW-Stevens Point, and UW-Whitewater with administrative and financial support from UW-Extended Campus.

Goals of the Program

Graduates of the program will gain the core competencies required to manage functions across a wide range of biotechnology industries. The required capstone course, which represents the culminating experience in the program, will provide students with the opportunity to apply skills acquired from coursework through a project-based experience in their 'track'.

Student Learning Outcomes

Graduates will:

Competency A – Demonstrate professional and scientific communication appropriate for biotechnology settings.

Upon completion of the program, students will be able to:

- Select the most appropriate modalities, methodologies, tools, and practices to communicate complex ideas effectively across diverse audiences
- Demonstrate effective listening, written, verbal, and nonverbal communication skills
- Construct and deliver effective professional presentations

Competency B – Demonstrate comprehensive understanding of organizational processes and product development pipelines.

Upon completion of the program, students will be able to:

- Evaluate and describe systems of product research, development, and production
- Analyze the potential for commercialization for innovations within the biotechnology industry
- Critique and integrate changes to an existing product development pipeline
- Compare organizational processes employed by biotech firms

Competency C - Distinguish among diverse methods and technologies and their applications in biotechnology.

Upon completion of the program, students will be able to:

- Compare and contrast emerging with existing technologies
- Exhibit strong technical knowledge to evaluate and choose appropriate technologies
- Demonstrate the ability to read, interpret and apply scientific literature
- Demonstrate competency in data analyses and statistics

Competency D – Demonstrate strategic leadership and decision-making skills necessary in biotechnology.

Upon completion of the program, students will be able to:

- Compare best practices in leadership required for executive action
- Demonstrate the skills and processes that maximize team performance to successfully meet goals both as an effective team member and leader
- Identify and provide evidence-based solutions to problems in compliance, development, personnel, and finance

Competency E – Appraise the current regulatory, quality control, and legal frameworks that impact biotechnology.

Upon completion of the program, students will be able to:

- Demonstrate understanding of relevant domestic and global regulatory agencies, laws, policies and guidances
- Assess intellectual property considerations in biotechnology
- Justify the importance of quality and risk management in biotechnology and explain current good practices

Competency F – Demonstrate professional and ethical behaviors that foster positive and productive interactions in diverse biotechnology settings.

Upon completion of the program, students will be able to:

- Recognize, foster and apply principles of ethical and professional conduct
- Identify professional opportunities and personal success by acquiring knowledge, networking, and other career development strategies
- Understand cultural differences that exist in the global marketplace

Requirements for the Master of Applied Biotechnology

Code	Title	Credits
Required Courses		
ABT 700	Principles of Biotechnology	3
ABT 705	Ethics, Safety and Regulatory Environment in Biotechnology	3
ABT 710	Professional and Technical Communication in Biotechnology	3
ABT 715	Techniques in Biotechnology	3
ABT 720	Experimental Design and Analysis in Biotechnology	3
ABT 725	Leadership in Organizations	3
Elective Options		
Complete nine credits from one of the following options:		9
Quality Assurance and Compliance		
Business Management		
Research and Development		
Required Capstone Courses		
ABT 789	Pre-Capstone	1
ABT 790	Capstone	3
Total Credits		**31**

Elective Options

Quality Assurance and Compliance

Code	Title	Credits
ABT 735	Quality Control and Validation	3
ABT 740	Regulatory Practice and Compliance	3
ABT 745	Industrial Applications in Regulatory Affairs	3
Total Credits		**9**

Business Management

Code	Title	Credits
ABT 750	Biotechnology Marketing and Entrepreneurship	3
ABT 755	Global Operations and Supply Chain Management	3
ABT 760	Quality and Project Management	3
Total Credits		**9**

Research and Development

Code	Title	Credits
ABT 765	Assessing Innovation in Biotechnology	3
ABT 770	Product Development	3
ABT 775	Tools for Data Analysis	3
Total Credits		**9**

University Requirements for Master's Degree Programs

To receive a master's degree from UW-Parkside, students must meet the following minimum requirements (note that individual programs may impose more stringent requirements):

1. Complete at least 30 graduate credits, of which no more than 12 may be transferred from another institution.
2. Have an overall GPA of at least 3.00 for all graduate work taken at UW-Parkside that is applicable to the degree program.
3. Satisfy all requirements of the graduate degree program.

Students may take no more than seven years to complete a degree, beginning with the semester in which they complete their first course as a UW-Parkside degree-seeking graduate student, unless they apply for and receive an extension through the appropriate graduate program. Some programs may impose a shorter time limit. To graduate, students must file a request for graduation. The request form, signed by the student's advisor and filed in the appropriate graduate program office, initiates the final review of the candidate's records. Students also need to apply to graduate with the Office of the Registrar.

Admission to the master of science in applied biotechnology program requires:

- Bachelor's degree from a regionally or nationally accredited university (in any discipline).
- 3.00/4.00 GPA. Students with a GPA less than a 3.0 may be considered for a provisional admission. The Academic Director has the discretion to waive a prerequisite that will allow a student to take an ABT course. Please contact the Academic Director, Dr. Francis Mann, for more information.
- Prerequisite coursework of two semesters of college level biology and/or chemistry with laboratory.
- Employment résumé.
- Three letters of recommendation.
- A personal statement of not more than 1000 words describing your reasons for pursuing a master of science in applied biotechnology, your short- and long-term career goals, and what value you would add to the learning experience of your fellow students. Space for the personal statement is included in the online application.

Courses in Applied Biotechnology

ABT 700 | Principles of Biotechnology | 3 cr

Introduction to basic principles and techniques pertaining to biotechnology and its applications to our society. Survey of classical and emerging techniques.
Prerequisites: None.
Offered: Fall, Spring, Summer.

ABT 705 | Ethics, Safety and Regulatory Environment in Biotechnology | 3 cr

Ethical and safety concerns in development, production, funding, and application of biotechnology. Analysis of socioeconomic impacts. Understanding the importance of data integrity. Overview of risk assessment and management in a regulatory environment designed to ensure safety of workers, study subjects, and patients, and protect intellectual property, data, and the environment.
Prerequisites: None.
Offered: Fall, Spring, Summer.

ABT 710 | Professional and Technical Communication in Biotechnology | 3 cr

Application and analysis of professional scientific communication, both written and oral. Focuses on designing documents that convey complex, data-rich technical and scientific content to audiences with diverse information needs using a variety of professional genres, including reports, proposals, presentation, and documentation.
Prerequisites: None.
Offered: Fall, Spring, Summer.

ABT 715 | Techniques in Biotechnology | 3 cr
Application of biological and chemical methods to modern biotechnological product development. Overview of analysis techniques used to characterize products and evaluate quality and safety. Exploration of technological pipeline from conception to market, including proof-of-concept assessment, pre-clinical trials, clinical trials and post-production testing.
Prerequisites: ABT 700.
Offered: Fall, Spring, Summer.

ABT 720 | Experimental Design and Analysis in Biotechnology | 3 cr
Principles of descriptive and inferential statistics with applications in biotechnology including experimental design, quantitative data analysis, and bioinformatic evaluation of complex molecular and biological data sets.
Prerequisites: Admission to the Applied Biotechnology graduate degree program or admission to the Applied Bioinformatics certificate.
Offered: Fall, Spring, Summer.

ABT 725 | Leadership in Organizations | 3 cr
Focuses on strategies and tools that managers use to maximize employee contribution and create organizational excellence. Basic business and leadership principles. Best practices to overcome biases that inhibit organizations and teams from communicating effectively. Examples will come from diverse biotechnology fields, including pharmaceutics, agriculture, and biotechnology services.
Prerequisites: None.
Offered: Fall, Spring, Summer.

ABT 730 | Python for Bioinformatics | 3 cr
Introduces diverse strategies for computational analysis of macromolecular data using Python including sequence alignment, genome annotation, data retrieval form databases, phylogenetic analysis, and molecular evolution. Experiential learning is emphasized; confidence in practical skills is developed through persistent application of course content to projects focused on current problems in bioinformatic research.
Prerequisites: Admission to the applied bioinformatics certificate.
Offered: Fall, Spring, Summer.

ABT 735 | Quality Control and Validation | 3 cr
Focuses on the importance of quality control and validation in biotechnology product design, development, and manufacturing. Explores quality systems and documentation, global quality standards, and methods for assessing validation including installation, operational, and performance qualifications. Overviews bio-manufacturing processes, automation, and cGLP/cGMP practices necessary to meet quality standards.
Prerequisites: ABT 700, ABT 705, ABT 710.
Offered: Yearly.

ABT 740 | Regulatory Practice and Compliance | 3 cr
Identifies and examines the key regulatory agencies and practices that govern the highly regulated and diverse biotechnology industry, both domestically and internationally. Highlights current and emerging FDA and ICH regulations and guidance documents to successfully navigate meeting with agencies and to submit required documentation for successful product development.
Prerequisites: ABT 700, ABT 705, ABT 710.
Offered: Yearly.

ABT 745 | Industrial Applications in Regulatory Affairs | 3 cr
Examines the global regulatory environments in risk-based assessment of biotechnological developments across diverse sectors, ensuring consumer and environmental protection. Addresses how validation is essential to the incorporation of emerging technologies into viable, accessible, and successful products. Highlights the stakeholders' role in regulatory oversight and policy through relevant industry case studies.
Prerequisites: ABT 700, ABT 705, ABT 710.
Offered: Yearly.

ABT 750 | Biotechnology Marketing and Entrepreneurship | 3 cr
Examines marketing case studies in diverse areas of biotechnology. Addresses marketing fundamentals and strategies, communicating value proposition strategy, ethical and regulatory concerns, startup strategies, pharmaceutical marketing, b2b marketing, salesforce development, branding, and promotion. Culminates with the creation of a marketing plan/analysis.
Prerequisites: None.
Offered: Yearly.

ABT 755 | Global Operations and Supply Chain Management | 3 cr
Focuses on the strategic importance of the supply chain to overall performance relevant to a variety of business processes specific to biotechnology. Topics include life cycle analysis, corporate social responsibility, production, transportation, distribution systems, sourcing, and purchasing.
Prerequisites: None.
Offered: Yearly.

ABT 760 | Quality and Project Management | 3 cr
Quality and project management issues and roles during different phases from R&D to market. Introduction to installation qualification, operation qualification and process qualification (IQ/OQ/PQ). Project management phases: conceptualizing, planning, executing and closing. Project schedule and time management tools and techniques. Project requirements including quality assurance.
Prerequisites: ABT 720, ABT 725.
Offered: Yearly.

ABT 765 | Assessing Innovation in Biotechnology | 3 cr
A survey of biotechnology assessments in areas such as regenerative medicine, agricultural biotechnology, and bioremediation. Course links disciplines with the critical evaluative role played by scientific discovery, market valuation, intellectual property, freedom-to-operate (FTO), and licensing strategy by assessing the role each played in the commercialization of a specific technology.
Prerequisites: ABT 700.
Offered: Yearly.

ABT 770 | Product Development | 3 cr
Explores strategies in evaluation and implementing new technologies or products in the context of different bioindustries. Identifies considerations in product valuation, feasibility of production, scalability, and supply chain management. Models the process of business growth and innovation through integration of emerging technologies.
Prerequisites: ABT 700, ABT 715.
Offered: Yearly.

ABT 775 | Tools for Data Analysis | 3 cr
Using a variety of existing and emerging bioinformatics tools and computational methods, emphasizes hands-on experiences analyzing and interpreting large data sets (e.g. genomic, proteomic, microbiomics, target discovery). Students will also evaluate and adapt existing computational approaches for specific use in solving a problem in biotechnology.
Prerequisites: ABT 705, ABT 715.
Offered: Yearly.

ABT 780 | Bioinformatics Inquiry | 3 cr
Advances the development of competencies promoting efficient analysis of biological data. Emphasizes matching a research problem with the most effective tools for its completion, balancing use of existing software and de novo software development. Advanced aspects of Python and R, algorithmics, machine learning, simulations, and effective communication of results are emphasized.
Prerequisites: ABT 720, ABT 730; admission to the applied bioinformatics certificate.
Offered: Fall, Spring, Summer.

ABT 785 | Applications of Bioinformatics | 3 cr
Exploration and application of existing bioinformatic tools. Implementation of pre-coded solutions to data acquisition, wrangling, analysis, wisualization, and structural modeling problems. Students will complete a project that generates a multi-system workflow to solve bioinformatic problems.
Prerequisites: ABT 720, ABT 730; admission to the applied bioinformatics certificate.
Offered: Fall, Spring, Summer.

ABT 789 | Pre-Capstone | 1 cr
Prepares opportunity for applied self-directed capstone experience. Addresses problem identification, research, and project formulation. Culminates in an oral and written proposal with project schedule.
Prerequisites: Completion of all core courses and at least one track course; additional track courses may be taken concurrently.
Offered: Fall, Spring, Summer.

ABT 790 | Capstone | 3 cr
Students will complete a project (report, business plan, program, etc.) in an area of quality assurance and compliance, business and management, and/or research and development. Culminating in a substantive body of work, executive summary, and reflection. Networking and communication in a professional capacity is expected.
Prerequisites: ABT 789.
Offered: Fall, Spring, Summer.

Applied Professional Studies (MA)

Department website (https://www.uwp.edu/learn/programs/maps/)

College: College of Social Sciences & Professional Studies

Program Overview

The master of arts in applied professional studies (MAPS) is an applied professional program with workforce development, organizational leadership and personal development at the core of its vision. The mission of the program is to develop advanced skill sets in multiple subject areas to meet emerging workforce development needs. The graduate degree is designed to provide students an accessible, online, and affordable opportunity to achieve professional and personal goals that align with potential for career advancement and upskilling needs.

This program is an interdisciplinary master's degree combining the academic social sciences and applied professional experience with a common set of Core courses (15 credits) and a self-selected Concentration (15 credits). There are four separate and unique concentrations within the degree for students to choose graduate level courses: Leadership in Public Service, Smart City Policy and Planning, Content Expertise for the Professional Educator and Individualized Degree Plan. Students have the unique opportunity to select graduate coursework individually suited to their chosen area of concentration.

Goals of the Program

All participating students will integrate theory, research and practice to render professional judgement and choice in applied contexts. This will result in decisions and actions that effectively and ethically promote the viability of organizations and activities in the private and/or public sector.

MAPS Program Outcomes

Graduates will:

1. Evaluate and critique existing structures in the public or private sector
2. Produce a problem solving policy based on evidence, professional inquiry, and decisive action
3. Plan effective implementation strategies

Core outcomes:

1. Develop strategies to resolve value-based conflict
2. Analyze and interpret data in the professional setting
3. Consider organizational change in the context of a dynamic society
4. Employ effective communication strategies for diverse settings and audiences

Concentration Area Learning Outcomes

Leadership in Public Service

1. Apply ethical principles to leadership practice in the public and private sectors
2. Conduct successful research in public policy analysis
3. Develop a public policy position, taking into account both scholarship and interest group narrative
4. Apply critical theory to questions of social justice in community and economic development
5. Utilize conflict management and resolution strategies in a variety of situations

Smart City Policy and Planning

1. Acquire the breadth and application of interdisciplinary knowledge supporting smart cities across new technologies, social sciences and management disciplines.
2. Develop an attitude of innovation, creativity, and curiosity demonstrated through active questioning, discussion, and the acceptance of new ideas.
3. Understand the benefits and challenges of partnerships for smart city initiatives
4. Understand the conceptual framework for the formation and management of P3
5. Develop a holistic and system-level perspective on smart sustainable cities that takes an integrative approach towards complex problems

leveraging Big Data analytics and strategies related to planning, and public policy.
6. Access, use, and manage information towards identifying and solving public challenges.
7. Practice collaborative skills and decentralized (parallel) decision making

Content Expertise for the Professional Educator

1. Effectively communicate the subject matter of their discipline with other professionals
2. Understand current research approaches in their discipline
3. Utilize advanced knowledge in the subject matter of their discipline to address a practical challenge
4. Articulate the significance of the subject matter of their discipline in an applied setting
5. Demonstrate mastery of the subject matter of the discipline through its integration with other disciplines

Structure of the Program

This 30-credit online degree requires a combination of 1) core courses (15 credits) designed to ensure that all graduates have the basic, requisite skills needed to succeed in the fast-paced, ever evolving professional world and 2) concentration courses (15 credits). There are four concentration areas (15 credits) where students will have their choice to hone their professional skills further as they relate to their professional career. The concentration areas are Leadership in Public Service, Smart City Policy and Planning, Content Expertise for the Professional Educator and an Individualized Degree Plan. As part of the Core, all students in the MAPS are required to complete a Practicum, an applied learning opportunity to continue to demonstrate the skills learned in the MAPS. The Practicum is a faculty supervised project that identifies a business or community partner problem and a solution created by the MAPS student.

Students also have the opportunity to explore graduate level coursework across the concentrations for a self-designed degree. Students who wish to design their own program of study to achieve a Master of Arts in Applied Professional Studies degree are able to graduate with a unique skill set that does not exist in a current degree program. Students who wish to design their own degree program are required to complete the core courses and an additional 15 credits of graduate level electives within the MAPS program. Self-designed degree programs must be created in consultation with a MAPS advisor and require an approved Individualized Degree Plan.

Degree Completion

Students entering without deficiencies and who enroll full-time can complete all degree requirements within one year of first enrollment. Students may take no more than seven years to complete a degree, beginning with the semester in which they complete their first course as a UW-Parkside degree-seeking graduate student, unless they apply for and receive an extension through the appropriate graduate program.

1. Evaluate and critique existing structures in the public or private sector.
2. Produce a problem-solving policy based on evidence, professional inquiry, and decisive action.
3. Consider organizational change in the context of a dynamic society.
4. Develop strategies to resolve value-based conflict.
5. Analyze and interpret data in the professional setting.
6. Plan effective implementation strategies.
7. Employ effective communication strategies for diverse settings and audiences.

Requirements for the Master of Arts in Applied Professional Studies

Code	Title	Credits
Required Core Courses		
MAPS 700	Formal Organization	3
MAPS 701	Applied Research For Professionals	3
MAPS 702	Professional Ethics	3
MAPS 703	Professional Communication (Same As COMM 703)	3
MAPS 705	Practicum	3
Concentration Area Courses		
Choose one concentration with at least 15 credits		15
Total Credits		**30**

Concentration Options

A course cannot be used to satisfy requirements in more than one concentration.

Leadership in Public Service

Code	Title	Credits
Required Courses		
MAPS 720	Foundations of Public Service	3
MAPS 721	Public Policy [1]	3
or MAPS 741	Smart Policy-Making	
Elective Courses		
Select three courses from the following:		9
MAPS 512	Global Warming Policy and Governance	
MAPS 517	Strategic Decision Making	
MAPS 523	Institutional Racism in America	
MAPS 606	Advanced Program Evaluation	
MAPS 640	Smart Cities & Communities	
MAPS 710	The Global City	
MAPS 721	Public Policy [1]	
MAPS 722	Social Justice and Public Service	
MAPS 729	Special Topics in Public Service	
MAPS 741	Smart Policy-Making [1]	
MAPS 742	Public Private Partnerships	
MAPS 743	Civic Technology	
MAPS 799	Independent Study	
Total Credits		**15**

[1] A course can be applied to only one requirement within the concentration.

Smart City Policy and Planning

Code	Title	Credits
Required Courses		
MAPS 640	Smart Cities & Communities	3
MAPS 741	Smart Policy-Making	3

Elective Courses		
Select three courses from the following:		9
MAPS 606	Advanced Program Evaluation	
MAPS 634	Ethics and Data Technology	
MAPS 721	Public Policy	
MAPS 742	Public Private Partnerships	
MAPS 743	Civic Technology	
MAPS 744	Human Machine Interface	
MAPS 799	Independent Study	
Total Credits		**15**

Content Expertise for Professional Educators

This concentration was designed to assist educators develop deeper content expertise in a specific subject area.

Code	Title	Credits
Choose one content area		15
Political Science/Government		
Required Course		
MAPS 721	Public Policy [1]	
or MAPS 741	Smart Policy-Making	
Elective Courses		
Select four courses from the following:		
MAPS 512	Global Warming Policy and Governance	
MAPS 517	Strategic Decision Making	
MAPS 523	Institutional Racism in America	
MAPS 710	The Global City	
MAPS 720	Foundations of Public Service	
MAPS 721	Public Policy [1]	
MAPS 729	Special Topics in Public Service	
MAPS 741	Smart Policy-Making [1]	
MAPS 769	Special Topics in Content Expertise for Professional Educators:	
MAPS 770	Exploring Place-Based Education	
MAPS 799	Independent Study	
Sociology		
Required Course		
MAPS 722	Social Justice and Public Service	
Elective Courses		
Select four courses from the following:		
MAPS 523	Institutional Racism in America	
MAPS 606	Advanced Program Evaluation	
MAPS 710	The Global City	
MAPS 720	Foundations of Public Service	
MAPS 721	Public Policy	
MAPS 729	Special Topics in Public Service	
MAPS 744	Human Machine Interface	
MAPS 769	Special Topics in Content Expertise for Professional Educators:	
MAPS 770	Exploring Place-Based Education	
MAPS 799	Independent Study	
Total Credits		**15**

[1] A course can be applied to only one requirement within the certificate.

Individualized Degree Plan

Students who wish to design their own degree program are required to complete the core courses and an additional 15 credits of graduate level electives within the MAPS program. Self-designed degree programs must be created in consultation with a MAPS advisor and requires an approved Individualized Degree Plan.

University Requirements for Master's Degree Programs

To receive a master's degree from UW-Parkside, students must meet the following minimum requirements (note that individual programs may impose more stringent requirements):

1. Complete at least 30 graduate credits, of which no more than 12 may be transferred from another institution.
2. Have an overall GPA of at least 3.00 for all graduate work taken at UW-Parkside that is applicable to the degree program.
3. Satisfy all requirements of the graduate degree program.

Students may take no more than seven years to complete a degree, beginning with the semester in which they complete their first course as a UW-Parkside degree-seeking graduate student, unless they apply for and receive an extension through the appropriate graduate program. Some programs may impose a shorter time limit. To graduate, students must file a request for graduation. The request form, signed by the student's advisor and filed in the appropriate graduate program office, initiates the final review of the candidate's records. Students also need to apply to graduate with the Office of the Registrar.

Admission applications will be accepted on a rolling basis. Applicants are required to have an undergraduate degree with a cumulative GPA of 2.75, or if the applicants have a graduate degree the GPA requirement is waived. Applicants are also required to submit all undergraduate and graduate transcripts, a current resume/CV, and two letters of recommendation, preferably one from a current supervisor if employed.

For applicants who do not meet the admission criteria, admission with probationary status may be granted after taking into consideration the applicant's special qualifications and circumstances. Students admitted on probation will be on probation for their first 9 semester credits. A student who is admitted on probation is required to attain a minimum GPA of 3.00 on the first 9 credits hours of course work completed at UW-Parkside. For continuing students refer to the Graduate Academic Standing Policy. Students who do not meet the above requirement will be dropped from the program.

Applicants are not required to take the GRE or MAT assessment for admission to the program.

International students from non-English-speaking countries must demonstrate proficiency in English.

Official TOEFL scores must meet or exceed the below requirements:

- Paper-based: a minimum score of 525
- Computer-based: a minimum score of 197
- Internet-based: a minimum score of 71

Official IELTS scores that meet or exceed the below requirements:

- A minimum score of 6.0

For students from English-speaking countries, no English Proficiency Examination Scores are required.

Smart City Policy and Civic Partnership Certificate Eligibility
Students who complete courses in a certificate program and are later admitted to the MAPS degree program will be able to use the credits earned in the certificate program toward the degree.

Courses in Applied Professional Studies

MAPS 507 | Survey Methods | 3 cr
Explores survey research including data collection and data analysis. Multi-career cross-listing: SOCA 307. Not available for students with credit in: SOCA 307.
Prerequisites: None.
Offered: Occasionally.

MAPS 512 | Global Warming Policy and Governance | 3 cr
Examines and evaluates greenhouse gas mitigation and adaptation policies that a variety of national and sub-national governments are implementing. Not available for students with credit in: POLS 312. Multi-career cross-listing: POLS 312.
Prerequisites: None.
Offered: Spring (odd years).

MAPS 517 | Strategic Decision Making | 3 cr
Examines decision making from both a rational and cognitive-bureaucratic perspective. Investigates the universal applications of theoretical strategic thinking, integrates tactical and strategic decision making, and applies creative and critical thinking in strategic formulation and implementation. Explores case studies of military, political and corporate strategies. Not open to those with credit in POLS 217. Multi-career cross-listing: POLS 217.
Prerequisites: None.
Offered: Spring (even years).

MAPS 523 | Institutional Racism in America | 3 cr
Examines racism within various institutions such as public government bodies, private business, and universities. Outlines political, social, ecological, and economic effects of racism. Not open to those with credit in SOCA 323. Multi-career cross-listing: SOCA 323.
Prerequisites: None.
Offered: Fall, Spring.

MAPS 584 | Modeling Landscape Ecology | 3 cr
Examines landscape ecology from the perspective of its close alignment with the understanding of scale, the causes of landscape pattern, and the interactions of spatial pattern with ecological processes. Includes metric tools and spatial model techniques to explain real world phenomena. Not open to those with credit in GEOG 384. Multi-career cross-listing: GEOG 384.
Prerequisites: None.
Offered: Occasionally.

MAPS 606 | Advanced Program Evaluation | 3 cr
Examines the procedures used to plan and evaluate programs and their operations.
Prerequisites: None.
Offered: Summer.

MAPS 634 | Ethics and Data Technology | 3 cr
Distinguishes the emerging moral conflicts with data collection and presentation, identifies the relevant ethical features, and develops strategies and policies for avoiding these conflicts.
Prerequisites: None.
Offered: Occasionally.

MAPS 640 | Smart Cities & Communities | 3 cr
Explores how advances in information communication technologies affect the built environment at various scales to understand the role of multiple actors working at the intersection of technology and urbanism and to determine the impact on community growth and resilience.
Prerequisites: None.
Offered: Occasionally.

MAPS 660 | Introduction to GIS Analysis | 3 cr
Explores spatial analysis using Geographic Information Systems (GIS) technology including data acquisition, integration, and editing. Applies GIS technologies to environmental management and urban planning. Not open to those with credit in GEOG 460. Multi-career cross-listing: GEOG 460.
Prerequisites: None.
Offered: Occasionally.

MAPS 700 | Formal Organization | 3 cr
Examines fundamental issues concerning formal organization and its impact on individuals and society.
Prerequisites: None.
Offered: Fall.

MAPS 701 | Applied Research For Professionals | 3 cr
Articulates the validity and complexity of data as illustrated in research.
Prerequisites: None.
Offered: Fall.

MAPS 702 | Professional Ethics | 3 cr
Identifies ethical and moral problems and formulates strategies to avoid making ethically questionable choices.
Prerequisites: None.
Offered: Spring.

MAPS 703 | Professional Communication | 3 cr
Examines communication or communication in a global workplace emphasizing intercultural and multi-generational differences. Cross-listed with: COMM 703.
Prerequisites: Consent of instructor.
Offered: Yearly.

MAPS 705 | Practicum | 3 cr
Provides an opportunity to use coursework knowledge in an applied setting based on specialization area. Requires 100 hours of a supervised project.
Prerequisites: Completed 18 credits of MAPS coursework.
Offered: Fall, Spring, Summer.

MAPS 710 | The Global City | 3 cr
Examines urbanism and the global city under present-day conditions, including modernity, late-capitalism and globalization.
Prerequisites: None.
Offered: Fall.

MAPS 720 | Foundations of Public Service | 3 cr
Investigates management, policy, urban studies and leadership in the public sector.
Prerequisites: None.
Offered: Spring (odd years).

MAPS 721 | Public Policy | 3 cr
Examines how political coalitions shape policy outcomes, the influence of institutions on policy design, and the evaluation of public policy.
Prerequisites: None.
Offered: Spring (even years).

MAPS 722 | Social Justice and Public Service | 3 cr
Examines environmental injustice, poverty, homelessness, and gender, housing, and educational inequalities.
Prerequisites: None.
Offered: Spring.

MAPS 729 | Special Topics in Public Service | 3 cr
Provides an in-depth study of new and/or special-interest subject areas within the discipline. Course may be repeated with a different topic for a maximum of 6 credits.
Prerequisites: None.
Offered: Occasionally.

MAPS 730 | Data Visualization Concepts | 3 cr
Explores data visualization including opportunities for critiquing representations of data, techniques used in analysis packages and best practices for data visualization to different audiences.
Prerequisites: Consent of instructor.
Offered: Spring (odd years).

MAPS 731 | Data Visualization and Communication: Tableau | 1 cr
Create and distributes interactive and shareable visual analytics using Tableau.
Prerequisites: Consent of instructor.
Offered: Summer.

MAPS 732 | The Essentials of R For Professionals | 1 cr
Analyzes and describes generic programming language concepts as they are implemented in R. Creates plots, tables and charts to visualize analysis results.
Prerequisites: Consent of instructor.
Offered: Summer.

MAPS 733 | The Essentials of SPSS for Professionals | 1 cr
Uses SPSS to summarize and display large amounts information using visual analytics.
Prerequisites: Consent of instructor.
Offered: Summer.

MAPS 739 | Special Topics in Data Visualization & Interpretation: | 3 cr
Provides opportunity for an in-depth study of new and/or special-interest subject areas within the discipline. Course may repeated with a different topic for a maximum of 6 credits.
Prerequisites: Consent of instructor.
Offered: Occasionally.

MAPS 741 | Smart Policy-Making | 3 cr
Delves into identifying and building new smart skills that are most effective in policy-making and policy implementation to create urban environments more livable, equitable, and efficient.
Prerequisites: None.
Offered: Fall.

MAPS 742 | Public Private Partnerships | 3 cr
Examines how governments partner with for-profit and non-profit organizations to shape public policy, redefine traditional methods of public administration, and solve some of the world's most intractable problems.
Prerequisites: None.
Offered: Summer.

MAPS 743 | Civic Technology | 3 cr
Explores technology that enables greater participation in government or otherwise assists government in delivering citizen services and strengthening ties with the public.
Prerequisites: None.
Offered: Summer.

MAPS 744 | Human Machine Interface | 3 cr
Explores how humans and machines engage in effective decision-making processes by aligning values, ethics, and shared cognition and how interface design affects social and cultural factors.
Prerequisites: None.
Offered: Spring.

MAPS 769 | Special Topics in Content Expertise for Professional Educators: | 3 cr
Provides opportunity for an in-depth study of new and/or special-interest subject areas within the discipline. Course may be repeated for a maximum of nine credits with a different topic.
Prerequisites: Consent of instructor.
Offered: Summer.

MAPS 770 | Exploring Place-Based Education | 3 cr
Explores place-based education through the use of local, regional, and/or national communities and the environment as the basis for teaching and learning. Course may be repeated with a different topic for a maximum of 9 credits. Field Trips.
Prerequisites: Consent of instructor.
Offered: Occasionally.

MAPS 799 | Independent Study | 1-3 cr
Provides an opportunity to work on an independent research study or project under the supervision of a faculty member.
Prerequisites: Consent of instructor and department chair.
Offered: Fall, Spring, Summer.

Biological Sciences (MS)

Department website (https://www.uwp.edu/learn/programs/msbiologicalsciences.cfm)

College: College of Natural & Health Sciences

This graduate program aims to prepare students for successful careers in the biological sciences by offering dynamic research experiences highlighting the breadth of biological disciplines and advanced courses to support a concentration in either molecular biology or ecology, evolution and conservation. The program emphasizes practical applications of principles and theories and prepares students for research through training in field and laboratory techniques as well as biostatistics. Graduates from this program can transition directly into the workforce in a variety of biological fields or continue training in other graduate or professional programs.

The faculty of the Master of Science in Biological Sciences Program have active research programs in the following areas: animal behavior, aquatic ecology, biogeography, conservation biology, enzymology, functional morphology, gene structure and DNA-protein interaction, genome organization, herpetology, insect genetics and molecular biology, invertebrate ecology, landscape ecology, microbiology, molecular evolution, paleontology, parasitology, phylogenetic analysis, plant ecology, prokaryotic and eukaryotic gene expression, protein biochemistry, reproductive physiology, and vertebrate biology, and evolution.

Course of Study

There are two routes to a master of science degree in biological sciences

1. a two-year graduate program in which students with a B.S. degree in biology, biochemistry, chemistry, or one of the life sciences may enroll;
2. a five-year combined B.S./M.S. program into which UW-Parkside undergraduates in the molecular biology and bioinformatics major are accepted at the end of their third year. At the end of their fourth year, these students receive a B.S. in molecular biology and bioinformatics.

Financial Assistance

Students may receive a stipend (research assistantships, traineeships) to assist with educational expenses. Students who complete the FAFSA (fafsa.gov (http://fafsa.gov)) may also qualify for Federal Student Loans.

Continuation

1. The master of science in applied molecular biology program requires a cumulative GPA of 3.00 (B) or better in all graduate courses taken in the program unless conditions for probationary status require higher grades.
2. With approval of the department's graduate committee, students with a grade of C in a graduate course may be allowed to continue. However, a maximum of two C's is allowed.
3. Students who have finished all course and credit requirements (30 credits) and are still working on a thesis project require a continuous registration of at least 1 credit each fall and spring semester. Students who have not maintained continuous registration must apply for reinstatement.
4. Students should select a faculty advisor at the time of matriculation or at least by the end of the first semester. With the assistance of the advisor, the student will formulate a research problem. The advisor will provide space, equipment and supplies, and technical assistance when possible. By the end of the first semester, the student should select a thesis committee that consists of the faculty advisor and two other faculty members. The thesis committee provides oversight of the student's research progress and approves the student's course of study. The program culminates in a written thesis that thoroughly documents the research activity, and an oral presentation open to the public.

Time Limit

It is expected that most students will complete the degree within two years. A candidate for the master of science degree who fails to complete the degree within three years will be placed on probation for one semester before being dropped from the program. Exceptions to this limit require authorization by the Biology Graduate Programs Committee.

Requirements for the Master of Science in Biological Sciences

Plan A: Two-Year Graduate Program

A minimum of 30 graduate credits (courses numbered 600-799) are required for the degree. Courses taken at the undergraduate level cannot be repeated for graduate credit.

Code	Title	Credits
Required Core Courses		
Thesis		16 - 18
BIOS 711	Thesis [1]	
Graduate Seminar		4
BIOS 731	Graduate Seminar	
Concentration Courses		
Select one concentration		8-11
Total Credits		**30-31**

[1] Students are required to complete a research thesis, and the research thesis must be aligned with the chosen concentration and approved by the thesis committee. Students enroll in BIOS 711 Thesis for 16 to 18 credits depending on previous course work. Fulfillment of the thesis requirement depends upon satisfactory completion, documentation, and oral presentation of the thesis research, as judged by the student's thesis committee.

Concentration Options

Ecology, Evolution and Conservation Concentration

This concentration provides innovative training in the theory and application of biological sciences with an emphasis on ecological and evolutionary patterns and processes including aspects of conservation biology and natural resource management. Graduates will participate in advanced course work and supervised independent research resulting in a research thesis. Graduates achieve specialized skills and training toward careers in the private and public natural resource management sector, including positions with local, state and federal agencies, or continue their education in Ph.D. or professional programs.

Code	Title	Credits
Required Course		
BIOS 645	Research Methods in Ecology and Evolution	2
Elective Courses		
Select two of the following: [1]		6-8
BIOS 612	Biometry	
BIOS 614	Molecular Evolution [2]	
BIOS 636	Conservation Ecology Lab [2]	
BIOS 690	Advanced Topics in Molecular Biology	
BIOS 699	Independent Study	
Total Credits		**8-10**

[1] Students must complete a minimum of 6 elective credits. Electives must be approved by the student's thesis committee. Electives will be chosen to complement the student's previous education and experience, and to support the student's educational and career goals.

[2] Course cross-listed with undergraduate offerings (courses numbered 300-499).

Molecular Biology Concentration

This concentration provides advanced training in the theory and application of molecular biology, in conjunction with supervised independent research culminating in a research thesis. Graduates achieve specialized skills and training toward advanced-level technical

careers in biotechnology and related industries or continue their education in Ph.D. or professional programs.

Code	Title	Credits
Required Course		
BIOS 675	Advanced Molecular Biology	3
Elective Courses		
Select two of the following: [1]		6-8
BIOS 611	Microbial Physiology and Diversity	
BIOS 612	Biometry	
BIOS 614	Molecular Evolution [2]	
BIOS 653	Molecular Biology and Bioinformatics of Nucleic Acids [2]	
BIOS 655	Protein Biochemistry and Bioinformatics [2]	
BIOS 690	Advanced Topics in Molecular Biology	
BIOS 699	Independent Study	
CHEM 620	Advanced Biochemistry [2]	
Total Credits		**9-11**

[1] Students must complete a minimum of 6 elective credits. Electives must be approved by the student's thesis committee. Electives will be chosen to complement the student's previous education and experience, and to support the student's educational and career goals.

[2] Course cross-listed with undergraduate offerings (courses numbered 300-499).

Plan B: Combined B.S./M.S. Program

Students in this program meet Plan A requirements with the following modifications: only 2 credits of BIOS 731 Graduate Seminar are required; research completed to meet the undergraduate senior thesis requirement may be applied toward the credit requirement for the M.S. degree. A minimum of 30 graduate credits (courses numbered 500-799) are required for the degree, and 50% of the required credits must be at the 700-level. Elective course requirements are defined by each student's thesis committee.

University Requirements for Master's Degree Programs

To receive a master's degree from UW-Parkside, students must meet the following minimum requirements (note that individual programs may impose more stringent requirements):

1. Complete at least 30 graduate credits, of which no more than 12 may be transferred from another institution.
2. Have an overall GPA of at least 3.00 for all graduate work taken at UW-Parkside that is applicable to the degree program.
3. Satisfy all requirements of the graduate degree program.

Students may take no more than seven years to complete a degree, beginning with the semester in which they complete their first course as a UW-Parkside degree-seeking graduate student, unless they apply for and receive an extension through the appropriate graduate program. Some programs may impose a shorter time limit. To graduate, students must file a request for graduation. The request form, signed by the student's advisor and filed in the appropriate graduate program office, initiates the final review of the candidate's records. Students also need to apply to graduate with the Office of the Registrar.

Plan A: Two-year Program

To qualify for admission an applicant must have:

1. B.S. or B.A. degree from a regionally accredited institution.
2. Grade point average (GPA) of at least 3.00 in their major (4.00 basis).
3. Satisfactory Graduate Record Examination (GRE) scores.
4. Completed the following courses, or their equivalents:
   - Chemistry: two semesters of general chemistry, two semesters of organic chemistry for applicants to the molecular biology concentration.
   - Biology: two semesters of introductory biology with laboratory and at least two upper-level courses in the area of study (for example, biochemistry, ecology, evolution, or molecular biology).
   - Mathematics: one semester of calculus, discrete mathematics or probability.

Plan B: Combined B.S./M.S. Program

Students in the biological sciences or molecular biology and bioinformatics B.S. programs can apply for admission to the M.S. program in the spring of their junior year. To qualify for admission an applicant must have:

1. Cumulative GPA of at least 3.30 (4.00 basis).
2. At least three credits of BIOS 499 Independent Study culminating in a report honors thesis, or presentation.
3. At least three credits of upper level electives in the area of study (300-level or above).
4. Approval of the Biology Graduate Programs Committee.

Foundational Courses

Students admitted to the program, but lacking necessary coursework to support their thesis research must obtain fundamental knowledge in their area of study. Therefore, this program offers graduate-level preparatory foundation courses to support the molecular biology and ecology, evolution and conservation concentrations. These courses do not count for credit toward the degree. Enrollment in any of these courses may be required for successful degree completion and is determined by the individual student's graduate committee based on previous course work and thesis topic.

Application Deadlines

The master of science in applied biological sciences uses a rolling admissions system, which means that when an application file is complete, it will be reviewed and decision will be made by a faculty committee. In general, applications should be submitted at least four months prior to the semester that the applicant wishes to start. For international students - please note that international student applications take longer to process, so it is recommended that international student applications be submitted at least six months prior to the semester that the applicant wishes to start.

Application Procedure

All applications must be submitted online. Please visit https://www.uwp.edu/apply/admissions/graduate/ to submit the following:

1. A completed online application form.
2. A non-refundable application fee, payable to University of Wisconsin-Parkside.

3. A cover letter that states how obtaining a master of science in biological sciences fits with the applicant's goals and identifies at least three UW-Parkside faculty whose research is of interest to the applicant.
4. GRE scores[1]
5. Official transcripts from each undergraduate and post-graduate institution the applicant attended[1]
6. Curriculum vitae[1]
7. Three letters of recommendation.[1] All submitted letters must have the official letterhead of the recommender's institution.
8. (Optional) Additional materials such as those listed below for applicants seeking probationary admission.

[1] Not required for students completing their B.S. degree at UW-Parkside.

International students are required to meet the additional requirements in the section below.

Please know that we do **not** review partially complete materials.

International Student Application

In addition to submitting the above application materials, international applicants must submit the following items:

1. A completed online Application for Graduate International Student Admission.
2. Application fee.
3. If applicant's native language is not English, then an Official Test of English as a Foreign Language (TOEFL) score must be obtained. A score of 525 on the paper test (197 computer based or 71 internet based) is required. For information regarding the location of the test centers nearest you and for making arrangements to take the TOEFL test visit the website: http://www.ets.org/toefl (http://www.ets.org/toefl/)
4. A Sponsorship Statement Form documenting support for one year of study.
5. Original bank statement or bank letter documenting sufficient funds for one year of study. Photocopies and FAX cannot be accepted.
6. Official transcripts from all secondary schools, colleges and universities attended. Records must be in the original language with certified English translations. Official records should include all exam, test results, certificates, diplomas or degrees received.
7. To receive transfer credits from a foreign university a prospective student must have their transcripts evaluated through one of the recommended companies:
   - ECE (Educational Credential Evaluators)
   - WES (World Education Services)
   - One Earth International Credit Evaluators

   Note: Potential Graduate students must purchase the "Catalog Match Request" to ensure transferability of coursework.

Transfer Student Admissions

Transfer applicants who are admitted to the master of science in applied molecular biology program receive a statement of advanced standing indicating which courses have been accepted from the previous institutions and how they equate to UW-Parkside courses; the statement also identifies their advisor. Students should contact their advisor as soon as possible after receiving the statement of advanced standing. Generally, students are allowed to transfer up to 12 credits of graduate work from regionally accredited institutions.

Courses in Biological Sciences

BIOS 503 | Microbiology | 4 cr

Advanced treatment of the structure, growth, and activities of microorganisms including medical microbiology, microbial pathogenesis and environmental microbiology. Three hour lecture; three-hour lab. Multi-career cross-listing: BIOS 303.
Prerequisites: BIOS 260.
Offered: Spring.

BIOS 505 | Principles of Ecology | 4 cr

Introduces the relations of plants and animals to their organic and inorganic environments emphasizing phenomena and causes of distribution and abundance at the population and community levels. Includes a field-oriented laboratory. Three-hour lecture; three-hour lab; field trips. Requires lab fees. Multi-career cross-listing: BIOS 305.
Prerequisites: BIOS 101, BIOS 102 and BIOS 210.
Offered: Fall (odd years).

BIOS 509 | Molecular Biology | 3 cr

Regulation of DNA, RNA, and protein synthesis and the control of the synthesis of other macromolecules. Three-hour lecture/discussion. Multi-career cross-listing: BIOS 309.
Prerequisites: BIOS 260; CHEM 322 and consent of instructor.
Offered: Spring.

BIOS 510 | Freshwater Ecology | 4 cr

Examines fundamental concepts in freshwater ecology, including the physical and chemical aspects of water and the significance of these properties for plants and animals at the individual, population and community levels. Includes experimental research and field surveys. Three-hour lecture; three-hour lab. Multi-career cross-listing: BIOS 310.
Prerequisites: BIOS 101, BIOS 102, BIOS 210 (concurrent enrollment) or equivalent, or consent of instructor.
Offered: Fall (even years).

BIOS 514 | Evolutionary Biology | 3 cr

Introduces basic mechanisms of evolutionary change including population genetics and speciation. Considers evolutionary history including phylogenetic estimation, the fossil record, and biogeography. Three-hour lecture. Multi-career cross-listing: BIOS 314.
Prerequisites: BIOS 101, BIOS 102, BIOS 260.
Offered: Spring.

BIOS 536 | Conservation Ecology | 3 cr

Examines the fundamental ecological and cultural drivers of the biodiversity crisis emphasizing proven strategies for maintaining and improving ecological diversity in our local and regional ecosystems. Three-hour lecture. Multi-career cross-listing: BIOS 336.
Prerequisites: BIOS 101, BIOS 102, and BIOS 210.
Offered: Spring (odd years).

BIOS 611 | Microbial Physiology and Diversity | 3 cr

Explores diverse molecular mechanisms of microbial physiology. Topics include microbial regulation of gene expression, metabolism, behavior, symbiosis, and applications to biotechnology. Three-hour lecture/discussion. Multi-career cross-listing: BIOS 411.
Prerequisites: BIOS 303 or consent of instructor.

BIOS 612 | Biometry | 4 cr
Covers statistical methods for ecological and evolutionary studies. Three-hour lecture; three-hour lab.
Prerequisites: BIOS 210 or equivalent; and consent of instructor.
Offered: Spring.

BIOS 614 | Molecular Evolution | 3 cr
Examines the evolution of nucleic acids and proteins. Five major topics: genetic variability; the causes of molecular evolution and the neutral theory; methods of detecting genetic variability; the use of molecular markers for estimating phylogeny; and the evolution of genome structure. Three-hour lecture/discussion. Multi-career cross-listing: BIOS 414.
Prerequisites: BIOS 309 or BIOS 314, or consent of instructor.
Offered: Occasionally.

BIOS 636 | Conservation Ecology Lab | 2 cr
Provides practical experience applying the theories from general ecology and conservation ecology toward developing strategies for protecting and enhancing ecological diversity. Emphasizes mastering the multi-dimensional methods, tools and skills needed by modern conservation professionals. Multi-career cross-listing: BIOS 436.
Prerequisites: BIOS 305 or 336 or concurrent registration; or consent of instructor.
Offered: Spring (odd years).

BIOS 645 | Research Methods in Ecology and Evolution | 2 cr
Provides a capstone experience in applied field and laboratory research. Includes sampling natural and experimental populations and ecological communities coupled with multivariate statistical and analytical methods commonly used in ecology and evolutionary biology. One-hour lecture; three-hour lab. Requires lab fees. Multi-career cross-listing: BIOS 445.
Prerequisites: BIOS 305, BIOS 310 or BIOS 314 (or concurrent enrollment), and consent of instructor.
Offered: Fall.

BIOS 653 | Molecular Biology and Bioinformatics of Nucleic Acids | 4 cr
Covers techniques and theory of nucleic acid isolation (DNA and RNA) and analysis including laboratory and computational methods. Includes common laboratory methods for isolating and characterizing nucleic acids. Eight-hour lecture/lab. Requires lab fee. Multi-career cross-listing: BIOS 453.
Prerequisites: BIOS 260, BIOS 309, and consent of instructor.
Offered: Fall.

BIOS 655 | Protein Biochemistry and Bioinformatics | 4 cr
Provides practical experience in protein expression, purification, and characterization with emphasis on enzymology and use of computer programming for development of relevant bioinformatics applications. Not open to students with credit in BIOS 455. Eight-hour lecture/lab. Requires lab fee. Multi-career cross-listing: BIOS 455.
Prerequisites: BIOS 260, BIOS 309, and consent of instructor.
Offered: Spring.

BIOS 675 | Advanced Molecular Biology | 3 cr
In-depth coverage of selected research topics in molecular biology, including DNA replication, transcription, translation, and other current topics. Three-hour lecture.
Prerequisites: BIOS 260, BIOS 309 or BIOS 509, and consent of instructor.
Offered: Yearly.

BIOS 690 | Advanced Topics in Molecular Biology | 1-4 cr
Selected advanced topics in the molecular biology.
Prerequisites: BIOS 260, BIOS 309 or BIOS 509; and consent of instructor.
Offered: Occasionally.

BIOS 699 | Independent Study | 1-6 cr
Advanced study performed under the supervision of a regular faculty member. Suitability as an elective for the masters of applied molecular biology is determined on a case-by-case basis by the MAMB program committee.
Prerequisites: Consent of instructor and department chair.
Offered: Fall, Spring.

BIOS 711 | Thesis | 1-9 cr
Dissertation for master of science in applied molecular biology. Graded on a credit/no-credit basis.
Prerequisites: Consent of instructor.
Offered: Fall, Spring.

BIOS 731 | Graduate Seminar | 1 cr
Examines research reports and special topics from recent literature in biological sciences. Graded on a credit/no-credit basis.
Prerequisites: Consent of instructor.
Offered: Fall, Spring.

Clinical Mental Health Counseling (MS)

Department website (https://www.uwp.edu/learn/programs/master-of-science-in-clinical-mental-health-counseling.cfm)

College: College of Natural & Health Sciences

This program is housed within the psychology, professional counseling, & neuroscience department at the University of Wisconsin-Parkside and serves as the pre-credential educational requirement for licensure as a professional counselor in the state of Wisconsin. This 60-credit hour counseling program supports students' development of the knowledge and skills needed for practice as clinical mental health counselors by adhering to the core general counseling competencies outlined by the National Board of Certified Counselors (NBCC). The program is distinguishable by low student/faculty ratios, which offer students opportunities for supervision, consultation, and mentorship.

Students complete 700 hours of counseling and related work in placement sites that match their clinical interests and future career paths. Students develop skills and knowledge in areas across the domains of clinical mental health counseling, including assessment, diagnosis, intervention, advocacy, and evaluation. In addition, students have the opportunity to work alongside program faculty in research closely tied to their future work as professional counselors. Students will be able to complete the program in two-and-a-half years if they follow the recommended semester plan.

Program Learning Outcomes

1. Graduates embrace a professional counselor identity and demonstrate ethical, culturally competent, and trauma-informed practice.
2. Graduates conceptualize clients through a multicultural and social justice lens. To include demonstrating the requisite attitudes and beliefs, knowledge, skills, and actions required to ensure equity and inclusion for diverse clients.
3. Graduates evaluate theories and factors that affect individual and family development, as well as, transitions across the lifespan, in a multicultural and pluralistic society.
4. Graduates apply their knowledge of the connections between work, relationships, mental health and other life roles, and strategies.

To include evaluating strategies that lead to client growth and change associated with the experience of work in a multicultural and pluralistic society.

5. Graduates establish, maintain, and utilize the therapeutic alliance with clients and understand other core conditions of counseling relationships that lead to client growth and change in a multicultural and pluralistic society.
6. Graduates facilitate groups informed by the principles of group dynamics, developmental stages of group, and therapeutic factors responsive to a multicultural and pluralistic society.
7. Graduates utilize a trauma-informed lens to implement assessment procedures and diagnose mental health conditions responsive to the cultural context of clients.
8. Graduates evaluate the importance of published research, outcome measures, and program evaluation for the purpose of advancing the counseling profession in a diverse community.
9. Graduates implement evidence-based counseling interventions and treatment planning strategies that are trauma-informed, and grounded in multicultural and social justice competencies.

Students are required to earn a minimum grade of B in all courses. Students who do not meet this requirement will be given the opportunity to remediate the particular course(s). Additionally, students are required to maintain high levels of professional and ethical behavior. Students who demonstrate problematic behaviors, ethical violations, incompetence, or impairment will be given an opportunity for remediation, if remediation is possible, or dismissed from the program. Remediation may include that students are unable to follow the recommended semester plan, which may result in additional time to graduation.

Requirements for the Master of Science in Clinical Mental Health Counseling

Students are required to earn a minimum grade of B in all courses.

Students must also pass a program level comprehensive exam offered in the last semester of their course of study.

Code	Title	Credits
Required Courses		
CMHC 700	Professional Counseling Orientation and Ethics	3
CMHC 702	Counseling Skills and Strategies	3
CMHC 704	Counseling Theories	3
CMHC 706	Group Counseling	3
CMHC 714	Lifespan Development in Counseling	3
CMHC 716	Social and Cultural Foundations of Counseling	3
CMHC 720	Assessment Procedures in Counseling	3
CMHC 722	Research and Evaluation in Counseling	3
CMHC 740	Foundations of Clinical Mental Health Counseling	3
CMHC 742	Abnormal Behavior and Psychopathology	3
CMHC 750	Diagnosis and Treatment Planning	3
CMHC 752	Trauma and Crisis Counseling	3
CMHC 754	Addictions Counseling	3
CMHC 756	Family and Couples Counseling	3
CMHC 758	Counseling for Work and Career	3
CMHC 794	Counseling Practicum	3
CMHC 795	Internship in Counseling I	3
CMHC 796	Internship in Counseling II	3
Elective Courses		
Select two of the following:		6
CMHC 770	Advanced Counseling for Work and Career	
CMHC 771	Supervision and Consultation	
CMHC 772	Advanced Crisis and Trauma Counseling	
CMHC 773	Clinical Health Counseling I	
CMHC 774	Clinical Health Counseling II	
CMHC 775	Advanced Addictions Counseling	
CMHC 776	Counseling Children and Adolescents	
CMHC 790	Special Topics in Clinical Mental Health Counseling:	
CMHC 798	Independent Reading or Research [1]	
CMHC 799	Thesis [1]	
Total Credits		**60**

[1] Students may complete both CMHC 798 Independent Reading or Research and CMHC 799 Thesis and repeat CMHC 798 Independent Reading or Research. However, only 3 credits from CMHC 798 Independent Reading or Research or CMHC 799 Thesis will count toward the 6 credits of the Elective Requirement.

Final Project

During students' final semester in the program they must complete one of two final projects.

Option A: Written Comprehensive Examination

Students selecting this option will complete a multiple choice, computer-administered exam that covers the eight CACREP core areas created by the CMHC faculty.

Students must complete the minimum of 6 credits of courses listed as elective courses above.

Option B: CMHC 799 Thesis

Students must complete a minimum of 3 credits of courses listed as elective courses above and the 3 credits of CMHC 799 Thesis.

University Requirements for Master's Degree Programs

To receive a master's degree from UW-Parkside, students must meet the following minimum requirements (note that individual programs may impose more stringent requirements):

1. Complete at least 30 graduate credits, of which no more than 12 may be transferred from another institution.
2. Have an overall GPA of at least 3.00 for all graduate work taken at UW-Parkside that is applicable to the degree program.
3. Satisfy all requirements of the graduate degree program.

Students may take no more than seven years to complete a degree, beginning with the semester in which they complete their first course as a UW-Parkside degree-seeking graduate student, unless they apply for and receive an extension through the appropriate graduate program. Some programs may impose a shorter time limit. To graduate, students must file a request for graduation. The request form, signed by the student's advisor and filed in the appropriate graduate program office, initiates the final review of the candidate's records. Students also need to apply to graduate with the Office of the Registrar.

Applicants are required to have a minimum of 18 credits of undergraduate course work in the social sciences or related areas, and a minimum undergraduate GPA of 3.0. No graduate exam scores will be required, however, applicants with an undergraduate GPA between 2.75-2.99 may be admitted on a probationary status.

Courses in Clinical Mental Health Counseling

CMHC 700 | Professional Counseling Orientation and Ethics | 3 cr
Provides an orientation to professional counseling, ethical standards, and wellness model. Explores the role of advocacy and social justice in the counseling field and includes orientation to reflective counseling practice.
Prerequisites: Admission to MS in Clinical Mental Health Counseling program.
Offered: Fall.

CMHC 702 | Counseling Skills and Strategies | 3 cr
Provides an in-depth orientation to skills and strategies of intervention used in professional counseling settings. Offers students the opportunity to practice and apply skills in triads with peers. Utilizes assignments to develop competencies in counseling practice.
Prerequisites: Admission to MS in Clinical Mental Health Counseling program.
Offered: Fall.

CMHC 704 | Counseling Theories | 3 cr
Provides an introduction to the major systematic approaches to clinical mental health counseling. Examines theoretical case conceptualization and interventions, and psychotherapy research and integration.
Prerequisites: Admission to MS in Clinical Mental Health Counseling program.
Offered: Fall.

CMHC 706 | Group Counseling | 3 cr
Provides an in-depth orientation to group counseling leadership skills and strategies for management of group counseling. Offers students an opportunity to experience being a group member while simultaneously developing knowledge in group theories and group leadership skills.
Prerequisites: Admission to MS in Clinical Mental Health Counseling program.
Offered: Fall.

CMHC 714 | Lifespan Development in Counseling | 3 cr
Provides an introduction to human growth and development across the lifespan. Examines influences on multiple domains of human development, and the implications for professional counseling practice.
Prerequisites: Admission to MS in Clinical Mental Health Counseling program.
Offered: Fall.

CMHC 716 | Social and Cultural Foundations of Counseling | 3 cr
Introduces social, cultural, and diversity issues in professional counseling. Examines multiculturally competent professional counseling practice, counselor cultural self-awareness, the socially and culturally diverse society in which counselors work, and roles of professional counselors to promote social justice and advocacy.
Prerequisites: Admission to MS in Clinical Mental Health Counseling program.
Offered: Spring.

CMHC 720 | Assessment Procedures in Counseling | 3 cr
Introduces assessment procedures in professional counseling. Focuses on different domains and procedures of assessment, psychometrics, test scores, integration of assessment results in counseling, and ethical use of assessment procedures.
Prerequisites: Admission to MS in Clinical Mental Health Counseling program.
Offered: Summer.

CMHC 722 | Research and Evaluation in Counseling | 3 cr
Introduces research and evaluation in professional counseling. Presents types of research designs, basic statistics, research implementation, research report development, and publication of research information. Includes the use of program evaluation and needs assessment.
Prerequisites: Admission to MS in Clinical Mental Health Counseling program.
Offered: Spring.

CMHC 740 | Foundations of Clinical Mental Health Counseling | 3 cr
Provides an orientation to clinical mental health counseling, roles of clinical mental health counselors in employment settings, and functions of counselors in professional settings. Introduces crisis intervention models and the role of advocacy and social justice in the field.
Prerequisites: Admission to the MS in Clinical Mental Health Counseling program.
Offered: Spring.

CMHC 742 | Abnormal Behavior and Psychopathology | 3 cr
Provides an overview of abnormal behavior and psychopathology consistent with the current DSM Manual. Offers a framework to consider pathology in the context of the counseling profession, including the wellness model, strengths-based assessments, and trauma-informed care.
Prerequisites: Admission to MS in Clinical Mental Health Counseling program.
Offered: Spring.

CMHC 750 | Diagnosis and Treatment Planning | 3 cr
Examines diagnostic assessment and treatment planning consistent with the current DSM manual utilizing evidence-based assessment and diagnosis procedures to develop diagnosis skills. Addresses diagnosis, treatment planning, and policy/advocacy issues associated with various disorders.
Prerequisites: Admission to MS in Clinical Mental Health Counseling program and CMHC 742 or concurrent.
Offered: Spring.

CMHC 752 | Trauma and Crisis Counseling | 3 cr
Focuses on both theory and skill development of crisis and trauma counseling across the lifespan in a range of settings.
Prerequisites: Admission to MS in Clinical Mental Health Counseling program and CMHC 740.
Offered: Summer.

CMHC 754 | Addictions Counseling | 3 cr
Explores addictions theories and counseling for individuals with substance use disorders including assessment measures, treatment approaches, theory of addiction, and implications for substance use as a comorbid condition.
Prerequisites: Admission to MS in Clinical Mental Health Counseling program.
Offered: Spring.

CMHC 756 | Family and Couples Counseling | 3 cr
Examines major systemic theories and issues of family and couples counseling within a multicultural society. Explores issues, assessment and treatment of dysfunctional partner, marital, family, and systems relationships.
Prerequisites: Admission to MS in Clinical Mental Health Counseling program.
Offered: Fall.

CMHC 758 | Counseling for Work and Career | 3 cr
Applies career development theories, research, assessments, interventions, and information resources to meet the educational and work needs, planning, and decision-making of clients across the life span.
Prerequisites: Admission to MS in Clinical Mental Health Counseling program.
Offered: Fall.

CMHC 770 | Advanced Counseling for Work and Career | 3 cr
Examines implications of research, underlying assumptions of techniques and theories, multicultural considerations, and changing nature of the world of work for professional counseling practice related to work.
Prerequisites: CMHC 758.
Offered: Occasionally.

CMHC 771 | Supervision and Consultation | 3 cr
Offers an in-depth review of management, administration, supervision, and consultation roles of mental health counselors. Includes an opportunity to interview supervisors in the field of clinical mental health counseling.
Prerequisites: Admission to MS in Clinical Mental Health Counseling program and CMHC 740.
Offered: Occasionally.

CMHC 772 | Advanced Crisis and Trauma Counseling | 3 cr
Provides an in-depth review of trauma theories, evidence-based outcomes measures, and trauma-specific treatment models utilized by mental health counselors. Includes research projects regarding trauma, specific populations, and treatment practices.
Prerequisites: Admission to MS in Clinical Mental Health Counseling program, CMHC 752, and concurrent registration in CMHC 794 or CMHC 795 or CMHC 796.
Offered: Occasionally.

CMHC 773 | Clinical Health Counseling I | 3 cr
Introduces clinical health counseling. Examines factors that influence wellness and illness, health and wellness promotion, treatment of health problems, and roles of clinical mental health counselors in providing related services.
Prerequisites: Admission to MS in Clinical Mental Health Counseling program.
Offered: Occasionally.

CMHC 774 | Clinical Health Counseling II | 3 cr
Covers advanced treatment of clinical health counseling. Examines health behavior change techniques, treatment of health conditions, role of behavioral health professionals in primary care settings, ethical and legal issues, social and cultural contexts of health, and public policy.
Prerequisites: Admission to MS in Clinical Mental Health Counseling program and CMHC 773.
Offered: Occasionally.

CMHC 775 | Advanced Addictions Counseling | 3 cr
Continues to examine chemical and process addictions. Emphasizes the application of models of addiction, assessment and treatment planning to providing comprehensive mental health counseling services for individuals and families. Addresses ethical and legal issues, and motivational interviewing.
Prerequisites: Admission to MS in Clinical Mental Health Counseling program and CMHC 754.
Offered: Fall.

CMHC 776 | Counseling Children and Adolescents | 3 cr
Examines the relevant theories, treatment modalities, and mental health disorders common to children and adolescents. Covers the identification and implementation of evidence-based practices that are considerate of the ethical, cultural, and developmental needs of children and adolescents.
Prerequisites: Admission to MS in Clinical Mental Health Counseling Program.
Offered: Fall.

CMHC 790 | Special Topics in Clinical Mental Health Counseling: | 3 cr
Delves into special topics in clinical mental health counseling. May repeat with different topic.
Prerequisites: Varies by topic.
Offered: Occasionally.

CMHC 794 | Counseling Practicum | 3 cr
Offers a closely supervised clinical experience in a training setting to enhance skill level and broaden the array of skills. Students will receive weekly supervision by both site supervisor and University supervisor. Students complete a minimum of 100 hours of practicum experiences with at least 40 hours of face-to-face client contact.
Prerequisites: Admission to MS in Clinical Mental Health Counseling program, CMHC 740, and satisfactory ratings of program evaluation metrics.
Offered: Spring.

CMHC 795 | Internship in Counseling I | 3 cr
Provides an opportunity for supervised counseling experience in which students serve as counselors at prearranged sites. Students complete a minimum of 300 hours of supervised internship experiences with at least 240 hours of face-to-face client contact.
Prerequisites: Admission to MS in Clinical Mental Health Counseling program, CMHC 740, CMHC 794, and satisfactory ratings of program evaluation metrics; consent of instructor and department chair.
Offered: Summer.

CMHC 796 | Internship in Counseling II | 3 cr
Provides an additional opportunity for supervised counseling experience in which students serve as counselors at prearranged sites. Students complete a minimum of 300 hours of supervised internship experiences with at least 240 hours of face-to-face client contact.
Prerequisites: Admission to MS in Clinical Mental Health Counseling program, CMHC 740, CMHC 794, CMHC 795, and satisfactory ratings of program evaluation metrics; consent of instructor and department chair.
Offered: Fall.

CMHC 798 | Independent Reading or Research | 1-3 cr
Offers independent reading or research activities under the direction of a faculty member.
Prerequisites: Admission to MS in Clinical Mental Health Counseling program and consent of instructor, department chair.
Offered: Fall, Spring, Summer.

CMHC 799 | Thesis | 3 cr
Provides supervision of thesis under the direction of a faculty member.
Prerequisites: Admission to MS in Clinical Mental Health Counseling program and consent of instructor.
Offered: Fall, Spring, Summer.

Computer and Information Systems (MS)

Department website (https://www.uwp.edu/learn/programs/mscis.cfm)

College: College of Business, Economics, and Computing

The master of science in computer and information systems (MSCIS) program is intended to increase the supply of high quality information technology professionals and contribute to the professional advancement of employees in the information technology workforce. The degree program draws on the strengths of UW-Parkside's faculty and computing resources in both computer science (CS) and management information systems (MIS). Graduates of this program will advance in their careers with up-to-date information technology knowledge and skills, and practical experience with information systems development and deployment.

Disruption of Studies

Students are expected to complete MSCIS degree requirements in two to three years, depending on preparation. An MSCIS degree candidate who fails to complete the degree within five years after admission will be dropped from the program. A degree candidate who does not enroll in an MSCIS course within a period of 12 months must apply for readmission.

Program Learning Outcomes

1. Analyze an IT/IS or business system using data science techniques.\ \n
2. Work with computing technology through: Design, develop, test, and implement software using industry leading practices and/or Develop information technology technical solutions. Lead and manage IT projects using project management principles. Design and implement organizational and IT control mechanisms that lead to a reliable and secure information system. Use research methods to investigate a problem from a technical, management, and ethical perspective. Communicate Information Systems principles and practices effectively and professionally within an enterprise.

Program-Specific Policies

Transfer Students

Students may transfer up to 12 credits of graduate work taken at another accredited institution, with a maximum of 3 transfer credits applied toward their concentration. Transferability is subject to equivalence with MSCIS courses. Only courses with a grade of B (3.0 on a 4.0 scale) or better will be accepted. Transfer courses are not counted toward the UW-Parkside GPA requirement of 3.0 in MSCIS course work.

Additional Program Policies

A maximum of two 500-level courses and/or a maximum of three credits in independent study courses will be accepted for the graduate degree. Additionally, independent study courses will only be approved in extenuating circumstances in which other regular needed CIS graduate courses are not available in that particular academic term, and waiting for their offering would impact the expected student graduation date. The classes must be approved by the MSCIS advisor.

Requirements for the Master of Science in Computer and Information Systems

Students must maintain a minimum GPA of 3.0 in all course work required for the MSCIS degree to continue and complete in the degree program.

To achieve the goals, MSCIS students must complete prerequisite requirements (up to 20 credits that can be waived with undergraduate equivalent courses) and a minimum of 30 credits distributed as follows: 15 credits of required course work, 9 credit hours in a concentration and 6 credit hours as electives.

Concentrations enable students to specialize in their education toward a particular career goal. Concentrations include cyber-security, data science, information technology management and software development. A thesis option is available for those students who would like to eventually pursue a doctoral degree. The requirements and the classes in each concentration area are specified below.

Code	Title	Credits
Prerequisites		
0 to 15 credits, depending on background and selected concentration area		0-15
Database Management [1]		
CSCI 380	Database Management Systems	
or MIS 328	Database Management Systems	
Computer Systems/Data Communications [1]		
Select one of the following:		
CSCI 370	Operating Systems	
CSCI 477	Computer Communications and Networks	
MIS 327	Cloud Computing in Business	
Programming Proficiency Requirements [2]		
The normal path to ensure programming proficiency includes the following courses:		
CSCI 241	Computer Science I	
CSCI 242	Computer Science II	
Required Program Core Courses		
MBA 716	Project Management	2
CIS 710	Data Science for Computer Information Systems	3
CIS 774	Programming Paradigms	3
CIS 779	Information System Security	3
CIS 795	Research Methods in Computer and Information Systems	3
CIS 798	Computer and Information Systems Seminar	1
Concentration Courses		
Students must select a concentration area [3]		9
Elective Courses [4]		**6**
Total Credits		**30-45**

1. Waived with a grade of C or better in an undergraduate or graduate equivalent course.
2. For the software development concentration only, programming proficiency is a required prerequisite. A programming proficiency exam

is available to determine placement into required prerequisites or to waive the requirement.

[3] Students must select a concentration and complete a minimum of nine credits within that area. A maximum of three credits of independent study related to a project or thesis may be used to satisfy this requirement.
A student may complete a maximum of two concentrations as part of the degree program. A course cannot be used to satisfy the requirements in more than one concentration.

[4] Students must also complete six credits of electives to ensure 30 credits overall are completed for the degree. These credits may be chosen from any of the concentration areas, may include internship or independent studies, or may choose courses from other graduate programs, with advisor approval.

Concentration Areas

MSCIS courses are divided into four concentration areas: cyber-security, data science, information technology management and software development.

CyberSecurity

Code	Title	Credits
CIS 624	Advanced Business Data Communications	
or CIS 635	Linux System Administration	
or CIS 677	Computer Communications and Networks	
CIS 645	Web Application Security	
CIS 678	Network Security	
CIS 681	Security Risk	

Special Topics courses CIS 690 and CIS 790 can be used when the topic is related to the concentration. An Executive Action form will need to be submitted by the department.

Data Science

Code	Title	Credits
CIS 605	Artificial Intelligence	
CIS 611	Data Science Programming and Visualization	
CIS 612	Data Mining and Machine Learning	
CIS 614	Deep Learning	
CIS 615	Data Science/Machine Learning Project	
MBA 729	Technologies For Data Analytics	
MBA 761	Optimization Techniques	
MBA 762	Supply Chain Analytics	

Special Topics courses CIS 690 and CIS 790 can be used when the topic is related to the concentration. An Executive Action form will need to be submitted by the department.

Information Technology Management

Code	Title	Credits
CIS 624	Advanced Business Data Communications	
CIS 625	Systems Analysis and Design	
CIS 641	Advanced Project Management Tools and Techniques	
CIS 642	Project Management Simulation	
CIS 645	Web Application Security	
CIS 678	Network Security	
CIS 681	Security Risk	
MBA 502	Accounting and Finance Fundamentals For Business	
MBA 715	Advanced Operations Management	
MBA 718	Global Supply Chain Management	
MBA 720	Information Technology for Business Decision Making	
MBA 729	Technologies For Data Analytics	
MBA 761	Optimization Techniques	
MBA 762	Supply Chain Analytics	

Special Topics courses CIS 690 and CIS 790 can be used when the topic is related to the concentration. An Executive Action form will need to be submitted by the department.

Software Development

Code	Title	Credits
CIS 523	Mobile Development in Android	
CIS 524	Mobile Development in iOS	
CIS 540	Data Structures and Algorithm Design	
CIS 570	Operating Systems	
CIS 605	Artificial Intelligence	
CIS 620	Computer Graphics	
CIS 621	Computer Vision	
CIS 640	Compiler Design and Implementation	
CIS 645	Web Application Security	
CIS 674	Client/Server Development	
CIS 675	Software Engineering Principles and Practice I	
CIS 676	Software Engineering/Project Management	
CIS 677	Computer Communications and Networks	
CIS 680	Advanced Databases	

Special Topics courses CIS 690 and CIS 790 can be used when the topic is related to the concentration. An Executive Action form will need to be submitted by the department.

University Requirements for Master's Degree Programs

To receive a master's degree from UW-Parkside, students must meet the following minimum requirements (note that individual programs may impose more stringent requirements):

1. Complete at least 30 graduate credits, of which no more than 12 may be transferred from another institution.
2. Have an overall GPA of at least 3.00 for all graduate work taken at UW-Parkside that is applicable to the degree program.
3. Satisfy all requirements of the graduate degree program.

Students may take no more than seven years to complete a degree, beginning with the semester in which they complete their first course as a UW-Parkside degree-seeking graduate student, unless they apply for and receive an extension through the appropriate graduate program. Some programs may impose a shorter time limit. To graduate, students must file a request for graduation. The request form, signed by the student's advisor and filed in the appropriate graduate program office, initiates the final review of the candidate's records. Students also need to apply to graduate with the Office of the Registrar.

To qualify for admission into the MSCIS program, an applicant must apply to the MSCIS Program online as indicated below, and submit all required documents to the Admissions Office.

Admissions Office
University of Wisconsin-Parkside
900 Wood Road
P.O. Box 2000
Kenosha WI 53141-2000

Admission requirements include those listed below.

1. A completed application form, along with the application fee payment. The application form can be found online at: https://apply.wisconsin.edu/
2. Official transcripts of all undergraduate and graduate course work, sent directly to the Admissions Office. A bachelor's degree from an accredited institution with an undergraduate GPA of at least 3.0 on a 4.0 scale is required. Applicants with undergraduate degrees from international universities must also submit a WES or ECE transcript analysis.
3. GRE or GMAT scores sent directly to the Computer Science department office. The GRE or GMAT can be waived for students from U.S. regionally accredited universities with computer science, engineering, or management information systems majors, or others with undergraduate GPA above 3.2.
4. A resume that details the applicant's education and work history (recommended, not required).
5. Two letters of recommendation sent directly to the Admissions Office (recommended, not required).
6. International students must also submit a sponsorship form and an ECE or WES transcript evaluation. International students whose native language is not English must submit evidence of English proficiency, normally by presenting a satisfactory score on the TOEFL or IELTS exam. The TOEFL/IELTS is waived for graduates of universities from English-speaking countries.
7. Additional materials in support of the applicant, as appropriate.

Contact the computer science department office for information about application deadlines.

At the discretion of the MSCIS program faculty, students with minor deficiencies in items 2 and 3 may be conditionally accepted into the program if they can otherwise demonstrate significant potential for success.

Courses in Computer and Information Systems

CIS 523 | Mobile Development in Android | 3 cr
Examines existing tools, environments and programming languages for developing applications for mobile devices on the Android platform. Explores current research on mobile applications and future trends. Multi-career cross-listing: CSCI 323.
Prerequisites: CSCI 242 with C or better, or consent of instructor.
Offered: Fall.

CIS 524 | Mobile Development in iOS | 3 cr
Examines existing tools, environments and programming languages for developing applications for mobile devices on the iOS platform. Explores current research on mobile applications and future trends. Multi-career cross-listing: CSCI 324.
Prerequisites: CSCI 242 with C or better, or consent of instructor.
Offered: Spring.

CIS 540 | Data Structures and Algorithm Design | 3 cr
Study of the design, implementation and analysis of computer algorithms; time and space requirements for sorting, searching, graph theory, mathematics and string processing algorithms. Not open to those with credit in CSCI 340. Multi-career cross-listing: CSCI 340.
Prerequisites: CSCI 242 with B or better or consent of instructor.
Offered: Spring.

CIS 570 | Operating Systems | 3 cr
Operating system concepts, process definition and implementation, dead-lick, memory management and protection, distributed system architecture, and case studies. Not open to those with credit in CSCI 370. Multi-career cross-listing: CSCI 370.
Prerequisites: CSCI 242 with C or better.
Offered: Fall.

CIS 605 | Artificial Intelligence | 3 cr
Introduces Artificial Intelligence (AI) techniques that include search, game playing, and knowledge representation. Includes specific subdisciplines of AI including natural language processing and neural networks. Programming assignments in both Prolog and LISP. Not open to those with credit in CSCI 405. Multi-career cross-listing: CSCI 405.
Prerequisites: CSCI 333, or CIS 533 with a grade of C or better, or consent of instructor.
Offered: Occasionally.

CIS 611 | Data Science Programming and Visualization | 3 cr
Surveys common programming languages for data science with visualization. Explores the development of applications for data-centric software used to visualize and extract actionable knowledge and insights from a collection of heterogeneous data sources that answer specific scientific, socio-political, or business questions. Not open to those with credit in CSCI 411. Multi-career cross-listing: CSCI 411.
Prerequisites: CSCI 410 or CIS 710 or consent of instructor.
Offered: Spring.

CIS 612 | Data Mining and Machine Learning | 3 cr
Explores data mining methods and procedures for diagnostic and predictive analytics. Includes association rules, clustering algorithms, tools for classification, and ensemble methods. Emphasizes computer implementation and applications. Multi-career cross-listing: CSCI 412. Not available for students with credit in: CSCI 412.
Prerequisites: CSCI 410 or CIS 710 or consent of instructor.
Offered: Fall.

CIS 613 | Big Data Analysis | 3 cr
Introduces the efficient processing of large data sets, including non-relational databases and algorithms that allow for the distributed processing of large data sets across clusters. Not open to those with credit in CSCI 413. Multi-career cross-listing: CSCI 413.
Prerequisites: CSCI 410 or CIS 610 or consent of instructor.
Offered: Occasionally.

CIS 614 | Deep Learning | 3 cr
Introduces deep learning, a branch of Machine Learning inspired by the human brain network. Explores several types of neural network architectures (e. g., feedforward, convolutional (CNN), and recurrent (RNN) networks). Covers building a Natural Language Processing (NLP) based sentiment analysis system with Long short-term memory (LSTM) neural network.
Prerequisites: CSCI 309 and 411; or CIS 611 and 710; or consent of instructor.
Offered: Occasionally.

CIS 615 | Data Science/Machine Learning Project | 3 cr
Develops practical experience via a data science research project, including applying various machine learning models, researching concepts, and preparing research articles. Multi-career cross-listing: CSCI 415. Not available for students with credit in: CSCI 415.
Prerequisites: CSCI 410 or CSCI 405 or CIS 605 or CIS 710 or instructor consent.
Offered: Occasionally.

CIS 620 | Computer Graphics | 3 cr
Graphics hardware and software, techniques for representation and visualization, two- and three- dimensional transformations, concepts and techniques of visual realism. Not open to those with credit in CSCI 420. Multi-career cross-listing: CSCI 420.
Prerequisites: CSCI 340 or CIS 540 or consent of instructor.
Offered: Occasionally.

CIS 621 | Computer Vision | 3 cr
Reviews algebra of matrices and partial differentiation. Introduction to Machine Vision and Image Processing including image formation, thresholding, image filtering, edge detection, image segmentation, image data compression, image similarity and some dynamic vision. Multi-career cross-listing: CSCI 421.
Prerequisites: CSCI 242 with a grade of C or better.
Offered: Occasionally.

CIS 624 | Advanced Business Data Communications | 3 cr
Fundamentals of transmission protocols and network services. Setting up and configuring network protocols, routing, security, and networking services such as name resolution and dynamic addressing. Lab exercises and case studies. Not open to those with credit in MIS 424. Multi-career cross-listing: MIS 424.
Prerequisites: CSCI 477 or MIS 327.
Offered: Fall.

CIS 625 | Systems Analysis and Design | 3 cr
System development using the life cycle, rapid application development, prototyping, software acquisition, structured and object-oriented techniques and project management. Not open to those with credit in MIS 425 or CSCI 475. This course may be offered online. Distance Learning Fees apply if online. Multi-career cross-listing: MIS 425.
Prerequisites: CSCI 380 or MIS 328.
Offered: Spring.

CIS 635 | Linux System Administration | 3 cr
Covers Linux system administration concepts and techniques including system organization, kernel configuration, device management, system files and runtime maintenance, software configuration and installation, and network configuration; comparison of Linux with other operating systems. Two-hour lecture; two-hour lab. Enrollment in Lecture (001) and Lab (L081) required. Multi-career cross-listing: CSCI 435. Not available for students with credit in: CSCI 435.
Prerequisites: CSCI 275 with grade of C or better.
Offered: Spring.

CIS 640 | Compiler Design and Implementation | 3 cr
Theory, design and implementation of compilers and other syntax-directed systems. Applies techniques of finite state machines, lexical analysis, symbol tables, parsing, storage allocations and code generation to the development of a compiler. Laboratory work included. Multi-career cross-listing: CSCI 440. Not open for students with credit in CSCI 440.
Prerequisites: CSCI 333 or CIS 533.
Offered: Occasionally.

CIS 641 | Advanced Project Management Tools and Techniques | 3 cr
Covers advanced tools and techniques of project management, including Microsoft Project, and Microsoft Excel, Work Breakdown Structure (WBS), budgeting a project, scheduling a project using PERT/CPM, allocating scarce resources, critical chain and critical path, resource leveling, monitoring the project costs, evaluating and terminating a project. Not open to those with credit in PMGT 441. Multi-career cross-listing: PMGT 441.
Prerequisites: PMGT 341 or MBA 716 or CIS 676.
Offered: Yearly.

CIS 642 | Project Management Simulation | 3 cr
Students apply project management skills to a simulated or live project, develop project justification and project plan, and execute the project plan and track performance. Topics include project scheduling, risk analysis, earned value, and teamwork. Not open to those with credit in PMGT 442. Multi-career cross-listing: PMGT 442.
Prerequisites: PMGT 341 or MBA 716 or CIS 676.
Offered: Yearly.

CIS 644 | Event-Driven Programming | 3 cr
Origins of events; the event-driven programming model; interrupt processing as event handling; client-server architectures; windowing environments and GUI programming; development support software; and case studies. Project work included. Not open to those with credit in CSCI 444. Multi-career cross-listing: CSCI 444.
Prerequisites: CSCI 370 or CIS 570 or consent of instructor.
Offered: Occasionally.

CIS 645 | Web Application Security | 3 cr
Explores vulnerabilities and defenses of web-based software systems. Covers web architecture, document security, authentication and attacks and defenses of client-side controls, authentication, session management, access controls, data stores and back-end components. Multi-career cross-listing: CSCI 445. Not available for those with credit in: CSCI 445.
Prerequisites: CSCI 242 or 322 with a grade of C or better (in either).
Offered: Occasionally.

CIS 669 | Embedded Systems Designs | 3 cr
Covers firmware and hardware development. Includes assembly and/or C programming of micro-controllers, interrupt processing, basic hardware and logic design, programming micro-controller peripherals like Analag/Digital Converters (ADC & DAC), timers, Pulse Width Modulation (PWM), comparators, programming and using serial interfaces, basics of printed boards design. Multi-career cross-listing: CSCI 469.
Prerequisites: CSCI 245.
Offered: Fall.

CIS 674 | Client/Server Development | 3 cr
Explores server-side application programming concepts. Includes server architectures, communication protocols, relational databases and database connectivity, dynamic content delivery and communication security. Multi-career cross-listing: CSCI 424.
Prerequisites: CSCI 324 or CIS 524 with C or better (in either).
Offered: Fall.

CIS 675 | Software Engineering Principles and Practice I | 3 cr
An Introduction to UML design and teamwork in the development of a larger software system. The use of UML use case, activity, class/object, interaction, and state diagrams in the creation of efficient designs and systems. Not open to those with credit in CSCI 475. Multi-career cross-listing: CSCI 475.
Prerequisites: CSCI 242 with B or better or consent of instructor.
Offered: Fall.

CIS 676 | Software Engineering/Project Management | 3 cr
Software development from an engineering perspective including software development models, team organization and management, implementation strategies, software testing and verification, and project cost estimation. Students will demonstrate their mastery of software engineering design and development strategies through implementation of a significant team-based project. Not open to those with credit in CSCI 476. Multi-career cross-listing: CSCI 476.
Prerequisites: CIS 625 or 675.
Offered: Spring.

CIS 677 | Computer Communications and Networks | 3 cr
Examines transmission protocols, layered network protocols, network topology, message routing, performance analysis, security, and case studies. Not open to those with credit in CSCI 477. Multi-career cross-listing: CSCI 477.
Prerequisites: B or better in CSCI 242, or CIS 570 or consent of instructor.
Offered: Occasionally.

CIS 678 | Network Security | 3 cr
Computer and network security related to operating systems, networks and system administration issues; hacking; incident response; firewalls, VPNs; intrusion detection, and auditing. Not open to those with credit in CSCI 478. Multi-career cross-listing: CSCI 478.
Prerequisites: CSCI 370, CSCI 375 or MIS 327.
Offered: Spring.

CIS 680 | Advanced Databases | 3 cr
Reviews relational database languages such SQL and Relational Algebra, query optimization techniques. Non-relational database models including object-oriented databases. XML databases, deductive databases. Data mining, transaction management, concurrency control, text retrieval, and web data management. Not open to those with credit in CSCI 480. Multi-career cross-listing: CSCI 480.
Prerequisites: CSCI 380 with C or better.
Offered: Occasionally.

CIS 681 | Security Risk | 3 cr
Focuses on risk analysis, including qualitative, quantitative, and ethical risk. Involves investigating an industry or topic of choice, delving into sources of risk information, researching regulation and statistics, and developing a comprehensive analysis of risk related to the selected topic. Multi-career cross-listing: CSCI 481. Not available for students with credit in: CSCI 481.
Prerequisites: CIS 678 or CIS 779.
Offered: Occasionally.

CIS 690 | Special Topics in Computer and Information Systems | 3 cr
In-depth study of new and/or special-interest subject areas within the discipline. May repeat with different topic.
Prerequisites: Consent of instructor.
Offered: Occasionally.

CIS 710 | Data Science for Computer Information Systems | 3 cr
Examines key data science concepts, methods, and processes. Addresses issues for developing, managing and supporting data-driven decision-making in the organization. Provides knowledge and tools for incorporating data science into IT project workflows including data analytics, data warehousing, machine learning, and artificial intelligence.
Prerequisites: CSCI 242 or CIS 774 or concurrent enrollment in CIS 774.
Offered: Fall.

CIS 774 | Programming Paradigms | 3 cr
Explores a variety of computer programming paradigms such as functional, logic, declarative, procedural, concurrent, multi-paradigm and block-based coding. Requires developing computer programs in at least four paradigms.
Prerequisites: CSCI 241.
Offered: Fall.

CIS 779 | Information System Security | 3 cr
Introduces technical, administrative, and physical aspects of IT security. Includes fraud, risk, information protection, business continuity, network security, auditing, and security planning and governance.
Prerequisites: CSCI 380 or MIS 328 or CIS 774 or consent of instructor.
Offered: Spring.

CIS 790 | Advanced Topics in Computer and Information Systems | 3 cr
In-depth study of new and/or special-interest subject areas within the discipline. Subject selection will vary from offering to offering.
Prerequisites: Consent of instructor.
Offered: Spring.

CIS 793 | Internship | 1-2 cr
Participation in the technical activities of an ongoing organization under the joint guidance and supervision of a member of the organization and a member of the faculty. Grading will be on a credit/no credit basis. May be repeated for a maximum of 6 credits.
Prerequisites: Consent of instructor and department chair.
Offered: Fall, Spring, Summer.

CIS 795 | Research Methods in Computer and Information Systems | 3 cr
Explores research methods used in the computer and information systems discipline including quantitative and qualitative methods. Reviews current research in CIS.
Prerequisites: A minimum of 6 credits in CIS courses.
Offered: Yearly.

CIS 796 | Computer and Information Systems Project | 1 cr
Completion of a CIS project in conjunction with another 600- or 700-level CIS course; includes project documentation and oral and written reports.
Prerequisites: Consent of instructor.
Offered: Occasionally.

CIS 798 | Computer and Information Systems Seminar | 1 cr
Social, legal and ethical issues in computing, including: privacy, encryption, reliability and risk, free speech, computer crime, intellectual property rights. Personal and professional ethics. An emphasis will be placed on students further developing nontechnical professional skills, including writing and oral presentations.
Prerequisites: Consent of instructor.
Offered: Spring.

CIS 799 | Independent Study | 1-4 cr
Independent work on a specific problem in CIS under the supervision of faculty.
Prerequisites: Consent of instructor and department chair.
Offered: Fall, Spring.

Cybersecurity (MS)

Department website (https://www.uwp.edu/learn/programs/mscyb.cfm)

College: College of Business, Economics, and Computing

The online M.S. in Cybersecurity program represents a fully online fixed curriculum consisting of 34 credits – seven three-credit core courses, three courses in a concentration/track area, a one-credit capstone preparation course and a project-based capstone course. UW-Green Bay, UW-La Crosse, UW-Oshkosh, UW-Parkside, UW-Platteville, UW-River Falls, UW-Stevens Point, UW-Superior offer the program jointly. Graduates of the program will gain the core competencies required to assume a variety of roles across a wide range of industries to include cybersecurity analyst, security consultant, cybersecurity manager, computer system analyst, security application analyst, and information technology specialist. The curriculum was developed in alignment with defined requirements of the Center for National Centers of Academic Excellence in Cyber Defense (CAE-CD) and several established and recognized industry certifications to include the Certified Information Security Manager (CISM), Certified Information Systems Security Professional (CISSP), Certified Ethical Hacker (CEH) and CompTIA Security+ certifications. In addition to courses in key areas such as cybersecurity program planning, security risk, foundational aspects of security, the required capstone course, which represents the culminating experience in the program, will provide students with the opportunity to apply skills acquired from coursework through a project-based experience in their track/concentration area.

Goals of the Program

The degree addresses a recognized high-need area of Cybersecurity as supported by research and input from employers and industry representatives. M.S. in Cybersecurity will predominantly serve adult and nontraditional students who possess a minimum of a completed bachelor's degree, currently work in the field, and have a desire to continue their education toward a master's degree primarily to expand knowledge and specialized skills in cybersecurity. Upon completion of this degree program, students will develop advanced knowledge and skills in both technical and managerial aspects of cybersecurity. Depending on their career goals, students can choose one of the four tracks in the program --- Digital Forensics, Cyber Response, Governance and Leadership, Security Architecture --- to complete the electives.

Student Core Competencies and Learning Outcomes

Students completing the M.S. in Cybersecurity degree will gain the following core competencies and learning outcomes:

Competency A – Analyze and resolve security issues in networks and computer systems to secure an IT infrastructure

Upon completion of the program, students will be able to:

- Interpret and analyze operating system and machine level structures
- Interpret and analyze network protocols
- Design, evaluate, and test systems including networks, computers, and hardware for security requirements

Competency B – Design, develop, test, and evaluate secure software

Upon completion of the program, students will be able to:

- Implement best practices in secure software development
- Implement effective cryptographic systems and assess their vulnerabilities
- Assess security implications for emerging software technologies

Competency C – Develop policies and procedures to manage enterprise security risks

Upon completion of the program, students will be able to:

- Conduct security risk management assessments
- Develop and implement threat management framework
- Evaluate and create security policies and processes for an organization and apply appropriate security frameworks
- Implement identity and access management controls

Competency D - Evaluate and communicate the human role in security systems with an emphasis on ethics, social engineering vulnerabilities, and training

Upon completion of the program, students will be able to:

- Assess trends in computer criminology and social behaviors related to technology use including physical security
- Engage in ethical decision-making and apply ethical principles to cybersecurity
- Engage in professional collaboration and communication with technical and nontechnical stakeholders on issues related to security

Competency E – Interpret and forensically investigate security incidents

Upon completion of the program, students will be able to:

- Develop and implement an incident response strategy
- Identify and assess attacks through forensics
- Interpret legal implications of security incidents and conduct investigations using industry best practices

Requirements for the Master of Science in Cybersecurity

Code	Title	Credits
Required Core Courses		
CYB 700	Fundamentals of Cybersecurity	3
CYB 703	Network Security	3
CYB 705	Sociological Aspects of Cybersecurity	3
CYB 707	Cybersecurity Program Planning and Implementation	3
CYB 710	Introduction to Cryptography	3
CYB 715	Managing Security Risk	3
CYB 720	Technical Communication for Cybersecurity	3
Required Capstone Courses		
CYB 789	Cybersecurity Pre-Capstone	1
CYB 790	Cybersecurity Capstone	1
Completion Options		
In addition to the core and capstone courses listed above, choose one of the concentrations listed below and complete a minimum of 9 credits in the chosen concentration.		9
Total Credits		**32**

Digital Forensics Concentration

Code	Title	Credits
Required Courses		
CYB 725	Computer Forensics and Investigations	3
CYB 730	Computer Criminology	3
CYB 735	Network Forensics	3
Total Credits		**9**

Cyber Response Concentration (Defense, Incident & Attack Response)

Code	Title	Credits
Required Courses		
CYB 740	Incident Response and Remediation	3
CYB 745	Secure Operating Systems	3
CYB 750	Offensive Security and Threat Management	3
Total Credits		**9**

Governance & Leadership Concentration (Communication, Management, Policy, Compliance)

Code	Title	Credits
Required Courses		
CYB 755	Security Administration	3
CYB 760	Cybersecurity Leadership and Team Dynamics	3
CYB 765	Cybersecurity Management	3
Total Credits		**9**

Security Architecture Concentration (Systems, Software, Data)

Code	Title	Credits
Select three of the following:		**9**
CYB 770	Security Architecture	
CYB 775	Applied Cryptography	
CYB 780	Software Security	
CYB 785	Cyber Physical System Security	
Total Credits		**9**

University Requirements for Master's Degree Programs

To receive a master's degree from UW-Parkside, students must meet the following minimum requirements (note that individual programs may impose more stringent requirements):

1. Complete at least 30 graduate credits, of which no more than 12 may be transferred from another institution.
2. Have an overall GPA of at least 3.00 for all graduate work taken at UW-Parkside that is applicable to the degree program.
3. Satisfy all requirements of the graduate degree program.

Students may take no more than seven years to complete a degree, beginning with the semester in which they complete their first course as a UW-Parkside degree-seeking graduate student, unless they apply for and receive an extension through the appropriate graduate program. Some programs may impose a shorter time limit. To graduate, students must file a request for graduation. The request form, signed by the student's advisor and filed in the appropriate graduate program office, initiates the final review of the candidate's records. Students also need to apply to graduate with the Office of the Registrar.

Admission to the master of science in cybersecurity program requires:

- Bachelor's degree with, at minimum, a 3.0 undergraduate GPA
- Prerequisite coursework in Introduction to Computer Science—which must include programming content, and prerequisite coursework in Calculus or Statistics

CYB 700 | Fundamentals of Cybersecurity | 3 cr

Introduces fundamental concepts and design principles in cybersecurity. Students will understand what, why and how to protect in the cyberworld. Topics include CIA (Confidentiality, Integrity, and Availability), threats, attacks, defense, least privilege, access control and password management, security policies, critical controls, incident-handling and contingency planning, risk assessment and management.
Prerequisites: Admitted MS-CYB degree seeking students only or program advisor consent on space available basis.
Offered: Yearly.

CYB 703 | Network Security | 3 cr

Examines network architectures, threats and attack surfaces exploited by these threats. Students will look at network traffic inspection, common attacks and defensive techniques encryption, network segmentation, firewalls, application proxies, honeypots, DMZs, monitoring networks using intrusion detection and intrusion prevention systems, and network access control.
Prerequisites: Admitted MS-CYB degree seeking students only or program advisor consent on space available basis.
Offered: Yearly.

CYB 705 | Sociological Aspects of Cybersecurity | 3 cr
Presents the principles of applied sociology that account for the human factors in security systems. Topics include an examination of the human role in cybersecurity, the role of security in the context of an organization, and a special focus on the development and implementation of cybersecurity policies.
Prerequisites: Admitted MS-CYB degree seeking students only or program advisor consent on space available basis.
Offered: Yearly.

CYB 707 | Cybersecurity Program Planning and Implementation | 3 cr
Provides instruction on the process used to develop and maintain appropriate security levels for an organization with a focus on implementing a comprehensive security program, a documented set of security policies, procedures, guidelines, and standards. Topics include security planning, strategies, controls, and metrics for measuring effectiveness.
Prerequisites: CYB 700; admitted MS-CYB degree seeking students only or program advisor consent on space available basis.
Offered: Yearly.

CYB 710 | Introduction to Cryptography | 3 cr
Introduces fundamentals of applied cryptography, including encryption and decryption, symmetric and asymmetric systems, pseudorandom functions, block ciphers, hash functions, common attacks, digital signatures, key exchange, message authentication and public key cryptography. Covers implementation of cryptographic systems in approved programming language, and survey of relevant mathematical concepts, including elementary number theory.
Prerequisites: Admitted MS-CYB degree seeking students only or program advisor consent on space available basis.
Offered: Yearly.

CYB 715 | Managing Security Risk | 3 cr
Covers risk management processes and tools, risk assessment and analysis models, economic and control implications, risk measurement, and the ethics of risk. Students will communicate the technical and management aspects of risk, based on research of their chosen industry, related regulation, recent industry reports, and risk implications to organizations, individuals and the nation.
Prerequisites: Admitted MS-CYB degree seeking students only or program advisor consent on space available basis.
Offered: Yearly.

CYB 720 | Technical Communication for Cybersecurity | 3 cr
Research, organize, and present technical information to audiences with varying goals and technical needs. Emphasis on ethics, critical thinking, listening skills, and feedback to develop effective Messages utilizing verbal and nonverbal communication strategies and visual aids. Individual and group presentations and projects will emulate professional scenarios in cybersecurity.
Prerequisites: Prerequisites: Admitted MS-CYB degree seeking students only or program advisor consent on space available basis.
Offered: Yearly.

CYB 725 | Computer Forensics and Investigations | 3 cr
Provides instructions on the investigative and forensics processes of digital evidence with a focus on identifying indicators of compromise, the use of common forensic tools, and the preservation of forensics tools. Topics include forensics iconology, and the analysis of disk, memory, chip-off, mobile device, and OS artifacts.
Prerequisites: CYB 703; admitted MS-CYB degree seeking students only or program advisor consent on space available basis.
Offered: Yearly.

CYB 730 | Computer Criminology | 3 cr
A primer on modern criminology with specific attention to the aspects of technology that facilitate criminal behaviors. Topics include computer crime laws, criminological theories of computer crime, court room and evidentiary procedure, idiographic and nomothetic digital profiling, computer crime victimology, habit/authorship attribution, stylometry, and case linkage analysis.
Prerequisites: Admitted MS-CYB degree seeking students only or program advisor consent on space available basis.
Offered: Yearly.

CYB 735 | Network Forensics | 3 cr
Covers protocol analysis, identification of malicious behavior in systems, and forensic investigations through event log aggregation, correlation and analysis. Students will analyze clips of wired and wireless network protocol analysis to discern methods of attacks and malicious activities.
Prerequisites: CYB 703; admitted MS-CYB degree seeking students only or program advisor consent on space available basis.
Offered: Yearly.

CYB 740 | Incident Response and Remediation | 3 cr
Students will learn about the phases of an incident response system, and the use of IDS and forensics, dealing with false alarms and the remediation process to minimize business impact, plan business continuity, and work with law enforcement, auditors, insurance, and compliance in how to prevent future incidents.
Prerequisites: Admitted MS-CYB degree seeking students only or program advisor consent on space available basis.
Offered: Yearly.

CYB 745 | Secure Operating Systems | 3 cr
Covers operating systems security infrastructure. Topics include, for a given operating system (Windows/Linux), updates and patches, access controls and account management, configuration management, hardening and securing services, and the use of scripting languages to automate security management. Additional topics may include auditing and forensics, virtualization and cloud computing.
Prerequisites: Admitted MS-CYB degree seeking students only or program advisor consent on space available basis.
Offered: Yearly.

CYB 750 | Offensive Security and Threat Management | 3 cr
Covers active defenses such as penetration testing, log management, hacking, threat management and system posturing. Students completing this course will have an understanding of, and the ability to preemptively secure computer and network resources by utilizing information about threats, actors and attack vectors and the ethics behind using this data.
Prerequisites: CYB 700, CYB 703; admitted MS-CYB degree seeking students only or program advisor consent on space available basis.
Offered: Yearly.

CYB 755 | Security Administration | 3 cr
Covers the policy and governance aspects of security. Topics include application of security policies, standards, procedures and guidelines to administration of IT and communications, assessment of compliance including contractual, legal, industry standard, privacy and regulatory requirements, and implementation of security audits and assessment of security performance and security policy-efficacy.
Prerequisites: Admitted MS-CYB degree seeking students only or program advisor consent on space available basis.
Offered: Yearly.

CYB 760 | Cybersecurity Leadership and Team Dynamics | 3 cr
Focuses on leadership best practices and the interpersonal processes and structural characteristics that influence the effectiveness of teams. Emphasis will be placed on leadership models, principles of team building, group dynamics, problem solving, and crisis management in cybersecurity issues. Course will include case studies of modern security incidents.
Prerequisites: Admitted MS-CYB degree seeking students only or program advisor consent on space available basis.
Offered: Yearly.

CYB 765 | Cybersecurity Management | 3 cr
Covers management of cybersecurity policies and strategies at the organizational, national, and transnational levels. Examines the implications of key domestic and international regulations and changes in information technology and communications on security operations. Includes development of organizational security preparation, processes, and responses, and developing a disaster recovery program.
Prerequisites: Admitted MS-CYB degree seeking students only or program advisor consent on space available basis.
Offered: Yearly.

CYB 770 | Security Architecture | 3 cr
Focuses on security architectures for the protection of information systems and data. Students completing this course can identify potential vulnerabilities in system architectures and design secure architectures. Topics include common enterprises and security architectures and their key design elements, such as secure cloud computing and virtualization infrastructures.
Prerequisites: CYB 703; admitted MS-CYB degree seeking students only or program advisor consent on space available basis.
Offered: Yearly.

CYB 775 | Applied Cryptography | 3 cr
Provides an in-depth study of modern cryptography. Topics include public key and private key cryptography, types of attacks, cryptanalysis, perfect secrecy, hashing, digital signatures, virtual private networks, and quantum key cryptography. Topics from number theory and discrete probability necessary for understanding current cryptosystems and their security will be covered.
Prerequisites: CYB 710; admitted MS-CYB degree seeking students only or program advisor consent on space available basis.
Offered: Yearly.

CYB 780 | Software Security | 3 cr
Covers the foundations of engineering secure applications, including techniques used to engineer secure software and assess the security of applications. Topics include exploring web vulnerabilities, secure development processes, implementing security features such as secure data storage and transmission, threat modeling, security requirements, code analysis, and penetration testing.
Prerequisites: Admitted MS-CYB degree seeking students only or program advisor consent on space available basis.
Offered: Yearly.

CYB 785 | Cyber Physical System Security | 3 cr
Covers the fundamentals and techniques to design and implement cyber-physical systems. Topics include the architecture of cyber-physical systems, exploiting software vulnerabilities, secure coding, microservices security, cloud services security, reverse engineering, security assessment of cyber-physical systems, and data analytics for security.
Prerequisites: CYB 775; admitted MS-CYB degree seeking students only or program advisor consent on space available basis.
Offered: Yearly.

CYB 789 | Cybersecurity Pre-Capstone | 1 cr
Prepares student for capstone experience. Drawing on skills learned, students will submit a written project proposal -- with organization, timeline, learning objectives, and specific deliverables identified --for faculty approval. This course is a prerequisite for the capstone course.
Prerequisites: CYB 700, CYB 703, CYB 705, CYB 707, CYB 710, CYB 715, and CYB 720; admitted MS-CYB degree seeking students only or program advisor consent on space available basis.
Offered: Yearly.

CYB 790 | Cybersecurity Capstone | 3 cr
Students present project identified in Capstone Preparation and submit a written report plus oral presentation to both faculty and host organization. Students will be assessed on clarity and content of written report and presentation.
Prerequisites: CYB 789; admitted MS-CYB degree seeking students only or program advisor consent on space available basis.
Offered: Yearly.

Health and Wellness Management (MS)

Department website (https://www.uwp.edu/learn/programs/masterofhealthandwellnessmanagement.cfm)

College: College of Natural & Health Sciences

The Master of Science in Health and Wellness Management is a fully online degree program offered collaboratively by UW-Parkside, UW-Green Bay, UW-River Falls, UW- Stevens Point, UW-Superior, and UW-Extension. This online M.S. in Health and Wellness Management program focuses primarily on adult and nontraditional students who hold an undergraduate degree and have the desire to continue their education to achieve a graduate degree.

In addition, the courses in the Health and Wellness Management program are structured into three distinct stackable graduate certificates on Foundations of Health and Wellness, Improving Health with Data and Policy, and Leadership in Health and Wellness. These certificates can be completed independently of each other, providing students with the flexibility to choose the path that best aligns with their career goals.

Program Learning Outcomes

1. Demonstrate effective professional communication skills for diverse audiences.
2. Demonstrate effective leadership skills in a variety of settings.
3. Apply appropriate management practices to advance a culture of well-being.
4. Evaluate the impact of the social, legal, and ethical environment on health and wellness programs.
5. Utilize evidence-based practices to design holistic wellness initiatives.

Requirements for the Master of Science in Health and Wellness Management

Code	Title	Credits
Required Courses		
HWM 700	Contemporary Health and Wellness Perspectives	3
HWM 705	Strategic Management For Wellness Managers	3

HWM 710	Research and Data Analysis for Wellness Managers	3
HWM 715	Professional Communications for Wellness Managers	3
HWM 725	Evidence-based Practices in Health and Wellness	3
HWM 730	Holistic Aspects of Health	3
HWM 750	Planning and Evaluation for Wellness Managers	3
HWM 755	Health Policy and Action	3
HWM 770	Human and Group Behavior	3
HWM 787	Health and Wellness Management Capstone Preparation	1
HWM 790	Health and Wellness Management Capstone	3
Total Credits		**31**

University Requirements for Master's Degree Programs

To receive a master's degree from UW-Parkside, students must meet the following minimum requirements (note that individual programs may impose more stringent requirements):

1. Complete at least 30 graduate credits, of which no more than 12 may be transferred from another institution.
2. Have an overall GPA of at least 3.00 for all graduate work taken at UW-Parkside that is applicable to the degree program.
3. Satisfy all requirements of the graduate degree program.

Students may take no more than seven years to complete a degree, beginning with the semester in which they complete their first course as a UW-Parkside degree-seeking graduate student, unless they apply for and receive an extension through the appropriate graduate program. Some programs may impose a shorter time limit. To graduate, students must file a request for graduation. The request form, signed by the student's advisor and filed in the appropriate graduate program office, initiates the final review of the candidate's records. Students also need to apply to graduate with the Office of the Registrar.

Students seeking admission to the M.S. in Health and Wellness management program require:

- A bachelor's degree from a regionally or nationally accredited university, (in any discipline), and a minimum cumulative grade point average (GPA) of 3.0/4.0. Students with a GPA less than a 3.0 may be considered for a provisional admission. The Academic Director has the discretion to waive a prerequisite that will allow a student to take a HWM course. Please contact the Academic Director for more information.
- A personal statement of not more than 1,000 words describing your reasons for pursuing a Master of Science in Health Wellness and Management, your short and long term career goals, and what value you would add to the learning experience of your fellow students. Space for the personal statement is included in the online application.
- Resume
- Two letters of recommendation

Writing samples or recommendations may be requested and used toward an admission decision if warranted. Admissions will occur on a rolling basis with new applicants able to start the program during each of the academic terms: fall, spring, and summer.

Courses in Health and Wellness Management

HWM 700 | Contemporary Health and Wellness Perspectives | 3 cr

Explores the determinants of health, health equity, and best practices in fostering holistic well-being. Includes evidence-informed approaches to effectively promote individual and organizational well-being culture through multiple communication modalities. Covers the expectations and development of wellness professionals as agents of change.
Prerequisites: None.
Offered: Yearly.

HWM 705 | Strategic Management For Wellness Managers | 3 cr

Examines the development of an organization's strategic direction by evaluating the external environment and stakeholder needs and taking inventory of what internal resources and capabilities are necessary. Includes using this information to establish specific actions, create organizational structure and systems, and consider ethical implications and the inclusive culture needed to achieve organizational goals.
Prerequisites: None.
Offered: Yearly.

HWM 710 | Research and Data Analysis for Wellness Managers | 3 cr

Covers research methods and designs relevant to wellness program managers. Introduces various research designs including experimental and non-experimental, as well as qualitative and quantitative methods. Focuses on providing a practical understanding of several statistical tools used in wellness-related research.
Prerequisites: Elementary statistics or equivalent.
Offered: Yearly.

HWM 715 | Professional Communications for Wellness Managers | 3 cr

Addresses the role of effective communication in health and wellness management. Includes application of multiple communication skills and tools tailored to a target audience to bring about change in an organizational or community context.
Prerequisites: None.
Offered: Yearly.

HWM 725 | Evidence-based Practices in Health and Wellness | 3 cr

Explores evidence-based practice and its significance for health and wellness professionals. Covers procedures and tools to explore reliable information about health determinants and intervention approaches (physical, mental, and social well-being). Includes practical application of the stages of evidence-based practice.
Prerequisites: None.
Offered: Yearly.

HWM 730 | Holistic Aspects of Health | 3 cr

Examines current population health issues by analyzing their biological, psychological, and social-environmental determinants. Focuses on applying holistic, evidence-based approaches in health psychology. Provides opportunity to create and deliver effective evidence-informed messaging to address these issues and positively impact health outcomes.
Prerequisites: None.
Offered: Yearly.

HWM 750 | Planning and Evaluation for Wellness Managers | 3 cr
Examines planning, implementation, and evaluation of wellness programs as inter-related, cyclical activities. Provides opportunity to implement the major strategic activities and processes involved in planning and evaluating wellness programs, aiming to foster a culture of well-being within diverse environments.
Prerequisites: None.
Offered: Yearly.

HWM 755 | Health Policy and Action | 3 cr
Examines the role of government agencies in shaping health policy and health equity. Investigates current federal, state, and local regulations and impacts on health outcomes. Covers healthcare systems and insurance, including potential providers and contracts. Emphasizes ethical principles; social responsibility; and diversity, equity, and inclusion (DEI).
Prerequisites: None.
Offered: Yearly.

HWM 770 | Human and Group Behavior | 3 cr
Explores evidence from research studies to investigate the integration of health and wellness initiatives. Includes consideration of ethical practices. Examines organizational design (micro-, mid-, and macro-level) and human behavior to more effectively engage stakeholders and promote a culture of well-being.
Prerequisites: None.
Offered: Yearly.

HWM 787 | Health and Wellness Management Capstone Preparation | 1 cr
Provides the opportunity for students to prepare for their semester-long capstone project, identify a partner organization, develop a project proposal, and obtain approval from their home campus Institutional Review Board.
Prerequisites: MSHWM students must complete at least 18 credits or Academic Director Consent.
Offered: Yearly.

HWM 790 | Health and Wellness Management Capstone | 3 cr
Provides opportunity to complete an individual capstone experience (internship/special project) that demonstrates through understanding of the knowledge, skills and disposition necessary to be a successful health and wellness manager.
Prerequisites: HWM 787.
Offered: Yearly.

Healthcare Administration (MS)

Department website (https://www.uwp.edu/learn/programs/masterofsciencehealthcareadministration.cfm)

College: College of Natural & Health Sciences

This program is a collaborative online Master of Science in Healthcare Administration degree program offered jointly by UW-Parkside, UW-Stout, UW-Stevens Point, UW-Lacrosse, UW-Platteville with administrative and financial support from UW-Extension. This online M.S. in Healthcare Administration programs focuses primarily on adult and nontraditional students who hold an undergraduate degree and have the desire to continue their education to achieve a graduate degree.

The program is fully online and designed to provide a foundation for entry and advancement for professionals who are seeking management positions in the healthcare industry. The program's multidisciplinary curriculum balances theory with real-world applications relevant to the current field and draws primarily from the following academic disciplines: healthcare, public health, information technology, business and communications. The M.S. in Healthcare Administration represents a fully online degree geared toward working professionals seeking to obtain advanced-level competencies in the areas of healthcare leadership, management, marketing, communications, law and policy, and quality and performance improvement.

Goals of the Program

The University of Wisconsin Master of Science in Healthcare Administration program prepares patient-care professionals, hospital administration, or current management professionals to help accomplish the triple aim of improving access to care, impacting the quality of care, and reducing the overall cost of care in a variety of settings.

Program Learning Outcomes

1. Demonstrate professional communication and interpersonal skills appropriate for a healthcare setting.
2. Demonstrate strategic leadership and decision-making skills necessary in healthcare.
3. Evaluate operational performance across diverse healthcare organizations.
4. Develop strategies to recruit, train, and retain an effective healthcare workforce.
5. Evaluate financial strategies and techniques to meet healthcare organizational needs and goals.

Requirements for the Master of Science in Healthcare Administration

To graduate with a master of science in healthcare administration students must satisfy all degree requirements for their home institutions.

Code	Title	Credits
HCA 700	U.S. Healthcare Systems	3
HCA 705	Population Health and Epidemiology	3
HCA 710	Health Communication	3
HCA 715	Healthcare Technology, Data Analytics, and Information Governance	3
HCA 720	Healthcare Financial Management	3
HCA 730	Human Capital Management in Healthcare	3
HCA 740	Healthcare in Operations and Project Management	3
HCA 750	Healthcare Quality and Performance Management	3
HCA 760	Health Law and Policy	3
HCA 770	Organization Development and Strategic Leadership in Healthcare	3
HCA 780	Communicating Current and Emerging Topics in Healthcare	3
HCA 789	Capstone Preparation	1
HCA 790	Capstone	3
Total Credits		**37**

University Requirements for Master's Degree Programs

To receive a master's degree from UW-Parkside, students must meet the following minimum requirements (note that individual programs may impose more stringent requirements):

1. Complete at least 30 graduate credits, of which no more than 12 may be transferred from another institution.
2. Have an overall GPA of at least 3.00 for all graduate work taken at UW-Parkside that is applicable to the degree program.
3. Satisfy all requirements of the graduate degree program.

Students may take no more than seven years to complete a degree, beginning with the semester in which they complete their first course as a UW-Parkside degree-seeking graduate student, unless they apply for and receive an extension through the appropriate graduate program. Some programs may impose a shorter time limit. To graduate, students must file a request for graduation. The request form, signed by the student's advisor and filed in the appropriate graduate program office, initiates the final review of the candidate's records. Students also need to apply to graduate with the Office of the Registrar.

Admission to the Master of Science in Healthcare Administration requires:

- Bachelor's degree in any discipline from an accredited University/ College,
- Prerequisite coursework in Elementary Statistics, Medical Terminology, and Oral Communication or Speech,
- Employment résumé,
- Two letters of recommendation,
- A personal statement of not more than 1000 words.

Admission exams, such as the GRE or the GMAT, are not required.

To be eligible for admission in full standing for the MS in HCA a student must have an overall undergraduate grade point average of 3.00. Students who do not qualify for admission in full standing may be admitted on a trial enrollment justified by the admitting department and approved by the Academic Director of the MS in HCA. Students are allowed seven years from the date of admission into the program to complete degree requirements; extensions may be granted for extenuating circumstances.

Program entrance requirements and degree completion requirements are consistent with those of the other collaborative degree-granting institutions offering this program. The overall grade point average requirement needed to graduate with the MS in HCA is a 3.0. Students progressing towards the completion of their programs must earn a minimum grade of a 2.0 in any class in order for them to count towards their degrees. Students are responsible for achieving the overall 3.0 grade point average necessary to graduate with the MS in HCA

Applicants should follow the instructions found in the Online Admission Policies and Procedures section of this catalog.

Courses in Healthcare Administration

HCA 700 | U.S. Healthcare Systems | 3 cr
Introduces the many public and private elements of the U.S. healthcare system. Explores the historical, social and cultural, financial and economic, and political as well as regulatory factors, and how they interact to influence the delivery of care and services that affect individual and population health outcomes.
Prerequisites: None.
Offered: Fall, Spring, Summer.

HCA 701 | Senior Care and Services Systems | 3 cr
Explores the foundation of academic and professional disciplines in senior services and examines regulations in senior care and service organizations. Provides exposure to knowledge and tools for the development and implementation of programs and practices that advance a high quality and safe living or service environment for frail seniors and other populations in need of care or service.
Prerequisites: Admission into HCA masters or certificate program.
Offered: Fall, Spring.

HCA 702 | Leadership Practices across the Senior Care Continuum | 3 cr
This course provides an up-to-date review and exploration of a variety of topics important to the success of an administrative leader in senior care and services. Selected topics focus the knowledge and application of leadership and management skills necessary in today's health care and aging services environment.
Prerequisites: Admission into HCA masters or certificate program.
Offered: Fall, Spring.

HCA 705 | Population Health and Epidemiology | 3 cr
Identifies and addresses epidemiology, biostatistics, including study design within a healthcare framework. Applies these elements to individuals and populations while addressing critical public health perspectives across a broad spectrum from individuals to larger systems to improve the health of a community.
Prerequisites: None.
Offered: Fall, Spring, Summer.

HCA 710 | Health Communication | 3 cr
Examines the analysis and use of communication strategies to inform and influence individual and community decisions that impact health. Explores topics such as the social construction of health, social support, literacy, survivorship, social and community issues, risk management, marketing and public relations, health messaging and promotional campaigns, theory application, and identity across contexts.
Prerequisites: None.
Offered: Fall, Spring, Summer.

HCA 715 | Healthcare Technology, Data Analytics, and Information Governance | 3 cr
Covers various topics including electronic health records; health IT privacy and security; health information exchanges; IT for revenue cycle management; utilizing technology to analyze healthcare data including MS-DRG data, hospital readmission data, medicare spending, and healthcare quality data; Technologies for diagnosis and treatment; big data applications in healthcare.
Prerequisites: None.
Offered: Fall, Spring, Summer.

HCA 720 | Healthcare Financial Management | 3 cr
Studies the principles of healthcare finance. Includes financial and management accounting, the financial reporting structure of healthcare organizations, healthcare financial statement analysis, costing and budgetary methods, sources of healthcare revenue and expenses, processes for healthcare billing, and capital investment decisions.
Prerequisites: None.
Offered: Fall, Spring, Summer.

HCA 730 | Human Capital Management in Healthcare | 3 cr
Examines complexities in human resource management strategies in healthcare organizations. Provides knowledge and tools to develop high potential workforces using a people-centered approach to human capital management, organizational culture/climate, communication, and talent development to ensure competitive advantage in creating sustainable high-performance healthcare organizations in rural and urban settings.
Prerequisites: HCA 700, HCA 720.
Offered: Fall, Spring, Summer.

HCA 740 | Healthcare in Operations and Project Management | 3 cr
Examines operations management techniques unique to healthcare processes. Addresses solutions for operational issues in healthcare facilities and supply chain. Highlights essential components of healthcare project management. Emphasizes operational and management tools and techniques for healthcare project and process execution.
Prerequisites: HCA 715, HCA 720.
Offered: Fall, Spring, Summer.

HCA 750 | Healthcare Quality and Performance Management | 3 cr
Provides an overview of quality models and risk management in healthcare. Explores theories concepts, skills, tools and environmental factors. Focuses on measurement and analysis techniques, as well as real-world applications of quality approaches to implement and sustain performance improvements.
Prerequisites: HCA 715.
Offered: Fall, Spring, Summer.

HCA 760 | Health Law and Policy | 3 cr
Studies the political, legal, regulatory, and ethical environments within which healthcare administrators operate. Explores the legal frameworks related to the healthcare system, with an ethical focus. Considers the impact of political structure on healthcare policy, with an emphasis on the role played by healthcare administrators in policy advocacy.
Prerequisites: None.
Offered: Fall, Spring, Summer.

HCA 770 | Organization Development and Strategic Leadership in Healthcare | 3 cr
Explores organization development and leadership theories, including self-discovery of leadership potential and change leadership strategies applied within healthcare organizations. As a blend of theory and application, course is designed for individuals to work toward identifying and facilitating broad-scale organizational change while employing strategic leadership practices in healthcare.
Prerequisites: HCA 730, HCA 740 and HCA 750.
Offered: Fall, Spring, Summer.

HCA 780 | Communicating Current and Emerging Topics in Healthcare | 3 cr
Investigates current and emerging trends influencing healthcare such as healthcare policies and politics, ethics, emerging technologies, healthcare population/disease demographics and reimbursement models. Explores differences between rural, urban and global settings.
Prerequisites: HCA 715.
Offered: Fall, Spring, Summer.

HCA 789 | Capstone Preparation | 1 cr
Prepares the student for applied capstone course, including assisting with site identification, coordination and approval of placement and of a substantive work project while working with site mentor/supervisor.
Prerequisites: HCA 700, HCA 710, HCA 720, HCA 730, HCA 740, HCA 750, and HCA 770.
Offered: Fall, Spring, Summer.

HCA 790 | Capstone | 3 cr
Applies aspects of theory and dynamics of interprofessionalism in healthcare setting(s). Capstone work (minimum 150 hours) will be completed in partnership with site mentor/supervisors. A substantive work project-deliverable demonstrating summative application of previous coursework will be expected.
Prerequisites: HCA 700, HCA 710, HCA 720, HCA 730, HCA 740, HCA 750, HCA 770 and HCA 789.
Offered: Fall, Spring, Summer.

Information Technology Management (MS)

Department website (https://www.uwp.edu/learn/programs/msitm.cfm)

College: College of Business, Economics, and Computing

The online M.S. in information technology management program represents a fully online fixed curriculum consisting of 31 credits – 10 three-credit courses and a one-credit capstone preparation course. UW-La Crosse, UW-Oshkosh, UW-Parkside, UW-Stevens Point, UW-Stout and UW-Superior will offer the program jointly. In addition to courses in key areas such as IT operations, business analysis, cloud computing, enterprise security, data science, and management of emerging technologies, the required capstone course, which represents the culminating experience in the program, will provide students with the opportunity to apply skills acquired from coursework through a project-based experience that addresses a problem, need, or concern in an IT setting. Utilizing project management and leadership tools obtained through coursework and by working directly with IT leaders in the field, the students' hands-on project may result in an action plan or product suitable for implementation by the host organization. In addition, the courses in the IT Management program are structured into three distinct stackable graduate certificates on IT Leadership, Enterprise Infrastructure, and IT Operations. These certificates can be completed independently of each other, providing students with the flexibility to choose the path that best aligns with their career goals.

Goals of the Program

The degree addresses a recognized high-need area of IT management as supported by research and input from employers and industry representatives. Upon completion of this degree program, students will have developed advanced knowledge and skills that will enable them to serve an important function and role within the IT workforce. It is a degree targeted at adult and nontraditional students possessing a bachelor's degree and thus broadens access for alumni and others to advanced study. The M.S. in IT management also builds upon the undergraduate experience of working adults by advancing proficiencies in communication, critical thinking, problem solving, analytical, leadership, teamwork, and collaboration skills. Furthermore, this multidisciplinary degree will serve to build bridges between disciplines and develop students' abilities to think in terms of systems and interrelationships, and within complex organizations.

1. Competency A: Conduct financial analysis and develop and manage technology budgets. Upon completion of the program, students will be able to: interpret and create pro forma financial statements; perform financial analysis for IT strategic planning purposes including portfolio management; develop and manage technology budgets.
2. Competency B: Lead and manage technology functions, projects and personnel. Upon completion of the program, students will be able to: plan and manage technology projects; develop organizational leadership skills relevant for IT management; lead IT personnel to meet organizational needs.
3. Competency C: Demonstrate effective professional collaboration and soft skills appropriate for technology settings. Upon completion of the program, students will be able to: demonstrate ability to effectively conduct crucial conversations; demonstrate ability to effectively communicate with stakeholders across the organization; demonstrate professional behavioral skills accounting for ethics, diversity and cultural sensitivity.
4. Competency D: Manage security and compliance, accounting for governance and ethical implications. Upon completion of the program, students will be able to: apply ethical frameworks to analyze problems and evaluate alternative solutions; create and manage technology policies and procedures for an organization with an understanding of the regulatory environment; interpret and manage IT governance policies; design appropriate security architecture with an understanding of the technology.
5. Competency E: Investigate and plan innovative solutions for business challenges. Upon completion of the program, students will be able to: evaluate the impact of emerging technologies; analyze data to address organizational challenges and create competitive advantages; analyze requirements and propose technical solutions.
6. Competency F: Engineer, develop and deploy strategies for enterprise systems. Upon completion of the program, students will be able to: develop appropriate data management technologies; create and deploy enterprise solutions in support of organizational goals; plan and implement projects related to infrastructure, security, software development or data analysis.

Requirements for the Master of Information Technology Management

Code	Title	Credits
Required Courses		
ITM 700	Communication for IT Professionals	3
ITM 705	Leading the IT Function	3
ITM 710	Finance for IT Managers	3
ITM 715	Data Science	3
ITM 720	Cloud Computing and Enterprise Applications	3
ITM 725	Enterprise Security	3
ITM 730	Agile and Traditional IT Project Management	3
ITM 735	Business Analysis and System Development	3
ITM 740	IT Operations	3
ITM 754	ITM Capstone Preparation	1
ITM 755	ITM Capstone	3
Total Credits		**31**

University Requirements for Master's Degree Programs

To receive a master's degree from UW-Parkside, students must meet the following minimum requirements (note that individual programs may impose more stringent requirements):

1. Complete at least 30 graduate credits, of which no more than 12 may be transferred from another institution.
2. Have an overall GPA of at least 3.00 for all graduate work taken at UW-Parkside that is applicable to the degree program.
3. Satisfy all requirements of the graduate degree program.

Students may take no more than seven years to complete a degree, beginning with the semester in which they complete their first course as a UW-Parkside degree-seeking graduate student, unless they apply for and receive an extension through the appropriate graduate program. Some programs may impose a shorter time limit. To graduate, students must file a request for graduation. The request form, signed by the student's advisor and filed in the appropriate graduate program office, initiates the final review of the candidate's records. Students also need to apply to graduate with the Office of the Registrar.

- Bachelor's degree from a regionally or nationally accredited university (in any discipline).
- 3.00/4.00 undergraduate GPA.
- Prerequisite coursework of Programming I, Database I, and Data Communications/Network.

Courses in Information Technology Management

ITM 700 | Communication for IT Professionals | 3 cr

Focuses on developing organizational communication skills for IT professionals. Includes crucial conversations, evidence-based decision making, and change management strategies for organizational transformation. Emphasizes the development of organizational and interpersonal communication skills relating to cultural sensitivity, diversity, and ethical issues in the IT field.
Prerequisites: Admitted MS-ITM degree seeking students only or program advisor consent on space available basis.
Offered: Yearly.

ITM 705 | Leading the IT Function | 3 cr

Focuses on the application of management and leadership theories, students will explore their own personal assets and liabilities to become an effective leader and change agent in a complex adaptive system. Introduces strategic planning processes, as well as IT governance and ethical considerations.
Prerequisites: Admitted MS-ITM degree seeking students only or program advisor consent on space available basis.
Offered: Yearly.

ITM 710 | Finance for IT Managers | 3 cr
Frames financial decisions within general and project accounting principles. Includes pro forma financial statements, time value of money, cash flows and equivalence, depreciation, net present value, rate of return, and ratio analysis. Covers preparing budgets that prioritize projects within constraints, address uncertainty and intangibles, and integrate with project scheduling.
Prerequisites: Admitted MS-ITM degree seeking students only or program advisor consent on space available basis.
Offered: Yearly.

ITM 715 | Data Science | 3 cr
Addresses issues for developing, managing and supporting data-driven decision-making in the organization. Includes data analytics, data warehousing, machine learning, and artificial intelligence, as well as the ethical collection, use, and application of data.
Prerequisites: Admitted MS-ITM degree seeking students only or program advisor consent on space available basis.
Offered: Yearly.

ITM 720 | Cloud Computing and Enterprise Applications | 3 cr
Examines leveraging cloud services to streamline computing resources, deploy enterprise applications, improve user access and system reliability, and utilize advanced computing capabilities. Discusses implementation of innovative technologies. Examines services available, along with deployment strategies, evaluation criteria, economic justification, and manageability.
Prerequisites: Admitted MS-ITM degree seeking students only or program advisor consent on space available basis.
Offered: Yearly.

ITM 725 | Enterprise Security | 3 cr
Explores technical, administrative, and physical aspects of IT security. Investigates various threats within IT and fraud. Applies information classification to the design of information, network and physical security. Evaluates the business processes of risk, business continuity, audit, and the risk within software development.
Prerequisites: Admitted MS-ITM degree seeking students only or program advisor consent on space available basis.
Offered: Yearly.

ITM 730 | Agile and Traditional IT Project Management | 3 cr
Examines project management concepts as applied to IT projects; covers traditional PMBOK techniques such as project identification, selection, procurement, and cost/schedule preparation and monitoring. Introduces agile IT project management concepts including Scrum and Extreme Programming. Requires students to apply these concepts to group projects.
Prerequisites: Admitted MS-ITM degree seeking students only or program advisor consent on space available basis.
Offered: Yearly.

ITM 735 | Business Analysis and System Development | 3 cr
Focuses on the importance, role, and techniques of the business analysis function in the modern IT organization. Organized around the six knowledge areas and associated techniques of the Business Analysis Body of Knowledge (BABOK) specified by the International Institute of Business Analysis.
Prerequisites: Admitted MS-ITM degree seeking students only or program advisor consent on space available basis.
Offered: Yearly.

ITM 740 | IT Operations | 3 cr
Explores best practices and techniques for managing IT infrastructure and operational environments in support of the organization's strategic goals in the development and deployment of applications and services. Includes network infrastructure, servers and devices, computer operations, service management, facilities, help desk services, DevOps, process automation, and governance frameworks.
Prerequisites: Admitted MS-ITM degree seeking students only or program advisor consent on space available basis.
Offered: Yearly.

ITM 745 | IT Governance, Ethics, and Regulatory Compliance | 3 cr
This course examines best practices in IT governance to achieve regulatory compliance, optimize use of available resources, ensure trustworthiness of enterprise information, and support business strategies and objectives. Topics include: strategic alignment, IT service and control frameworks, portfolio management, IT risk management, and ethical issues in IT governance.
Prerequisites: Admitted MS-ITM degree seeking students only or program advisor consent on space available basis.
Offered: Yearly.

ITM 750 | Evaluation of Emerging Technologies | 3 cr
This seminar course researches, identifies and evaluates significant new trends, technologies and events influencing the global environment of information technology and systems. The course will evaluate future and disruptive technologies, strategies for successful implementation of innovative technologies, critical thinking, and ethics pertaining to its use.
Prerequisites: Admitted MS-ITM degree seeking students only or program advisor consent on space available basis.
Offered: Yearly.

ITM 754 | ITM Capstone Preparation | 1 cr
Students select their capstone project, create a plan, define deliverables, secure approval and complete setup of their development environment. Students review concepts necessary for completion of the capstone including Agile project management, systems analysis and communicating with technical and non-technical audiences. Additional topics may be included.
Prerequisites: Admitted MS-ITM degree seeking students only or program advisor consent on space available basis.
Offered: Yearly.

ITM 755 | ITM Capstone | 3 cr
Students complete the projects approved in the Capstone Preparation course. This course includes the management, development and delivery of an information technology project to a client or employer, including regular communication of status to both technical and non-technical audiences.
Prerequisites: Admitted MS-ITM degree seeking students only or program advisor consent on space available basis.
Offered: Yearly.

Master of Business Administration (MBA)

Department website (https://www.uwp.edu/learn/programs/mba/)

College: College of Business, Economics, and Computing

Professional Accreditations or Memberships:

The Master of Business Administration program (MBA) is accredited by AACSB International – the Association to Advance Collegiate Schools

of Business. Fewer than 5 percent of business programs worldwide and less than 30 percent in the United States meet the rigorous standards of quality set by AACSB International.

Goals of the MBA Program

The goals of the MBA program are to provide a graduate education that develops students' knowledge of critical business issues and current management strategies; and prepares these students for advanced management positions and entrepreneurial ventures. The program covers a variety of concepts and analytical tools. It presumes that an executive must know how to obtain and evaluate relevant information; approach tasks logically, systematically and in teams; analyze problems; arrive at reasonable generalizations; develop creative solutions; work in a diverse environment; and direct action to achieve concrete results. The MBA program includes examination of the impact of both domestic and global environments on an organization's operation.

The MBA program focus is on the needs of mature students who have the educational background, experience, and degree of intellectual curiosity essential for graduate-level study. The classes are open to master's degree candidates and special students who meet the admission criteria. Students can choose to complete the program on campus or fully online. The MBA degree can be finished in as few as 12 months although many students are part-time and move at their own pace. All of the MBA courses are offered in a seven-week format and students may begin the program at six points throughout the year (two per semester). The MBA program requires a concentration. There are seven concentrations available and students must complete a minimum of one concentration but may complete up to a maximum of three. Courses are offered both on campus in the evening and online.

Foundation Courses

All MBA candidates must have or obtain knowledge of fundamentals in the following areas: accounting, economics, finance, and statistics. Students who have not completed college courses in these areas through previous studies (with a grade of C or better) will be required to complete the following foundation courses (with a grade of C or better):

Code	Title	Credits
MBA 502	Accounting and Finance Fundamentals For Business	2
MBA 512	Foundations in Statistics and Economics	2

Foundations courses must be completed prior to taking any 700-level required core or concentration courses in those areas (e.g. MBA 502 Accounting and Finance Fundamentals For Business is required prior to MBA 702 Managerial Accounting and MBA 732 Corporate Financial Management). Please note that most MBA courses also require a working knowledge of MS Excel and students are encouraged to strengthen that knowledge in preparation for coursework.

MBA Consortium

In an effort to offer additional MBA courses on occasion, the MBA consortium was developed and used. The participating universities are UW-Parkside, UW-Eau Claire, UW-La Crosse, and UW-Oshkosh.

Elective courses may also be offered through the consortium, but must be approved by the MBA program director or adviser prior to registration. MBA consortium courses taken for elective credit from non-UW-Parkside instructors are considered transfer courses and therefore subject to the 6-credit transfer rule.

Communicate with the MBA program director or advisor for additional information.

Note: MBA consortium classes are only approved for students on an exceptional basis.

Transfer Policy

Graduate-level work completed at other AACSB accredited institutions may be transferred only toward the MBA required core courses at UW-Parkside but are subject to the following provisions:

- A maximum of 6 credits may be transferred toward required core courses (all courses toward a concentration must be completed at UW-Parkside);
- Only courses with a grade of B or better can be transferred;
- The student must petition for the transfer upon admission to the program. Transfer credit will be formally granted after the student has successfully completed a minimum of 8 semester hours of graduate course work at UW-Parkside;
- The courses that the student is requesting to transfer must form an integral part of the student's proposed program of study;
- An admitted student who plans to take a course at another institution and transfer it back to UW-Parkside must obtain prior permission from the MBA program director.

Additional Program Policies

1. Students delaying entry after admission to the MBA program will be covered under the policies and will have to meet the requirements that are in effect at the time at which they complete their first course toward the MBA program.
2. Students are required to apply for graduation through the Office of the Registrar by the appropriate deadlines.
3. Students may switch from face-to-face to fully online (or vice versa) only once.
4. Students are required to complete a minimum of one concentration to complete requirements for the MBA degree program. Students may elect to complete up to a maximum of three concentrations as they work toward their degree. Concentrations must be declared at the beginning of their studies and must be completed prior to graduation. Each course taken can only count toward one concentration. If you utilize financial aid, reimbursement options, or are an athlete, please check on eligibility requirements before declaring multiple concentrations. For students that do not choose a concentration at application, the default is general management.
5. Students in MBA Online classes have a registration deadline of the Tuesday prior to the first day of the class.
6. Students in MBA online classes are required to pay tuition prior to the first day of class and will be dropped for non-payment if this deadline is not met.
7. Students in the online program are not eligible to take courses through the MBA consortium program.

Graduate Distinction

Students who earn a cumulative graduate grade point average of 3.83 or higher will graduate "with distinction" from the MBA program.

Beta Gamma Sigma is the honor society serving business programs accredited by AACSB International. Beta Gamma Sigma faculty members invite qualified business students for membership based on academic excellence.

Requirements for the Master of Business Administration

Code	Title	Credits
Required Core Courses		
MBA 700	Creative and Innovative Management	2
MBA 702	Managerial Accounting	2
MBA 715	Advanced Operations Management	2
MBA 716	Project Management	2
MBA 720	Information Technology for Business Decision Making	2
MBA 732	Corporate Financial Management	2
MBA 741	Contemporary Challenges in Managing Organizations	2
MBA 742	Leadership: Theory, Application, and Skill Development	2
MBA 746	Advanced Global Management	2
MBA 752	Marketing Management	2
MBA 793	Competitive Decision Making	2
MBA 796	Advanced Strategic Management [1]	2
Concentration Courses [2]		
Select one concentration		6
Total Credits		**30**

[1] MBA 796 Advanced Strategic Management should be completed in the last fall, spring, or summer session prior to graduation.

[2] Other MBA elective classes may count toward a concentration with the approval of the MBA program director or advisor.

Required course waivers: A student may be waived out of the required graduate course in the functional area in which the student has completed a major (or equivalent). A student waived out of a required course must take an additional elective course that is approved by the MBA advisor.

Concentration Options

Students are required to complete a minimum of one concentration to complete requirements for the MBA degree program. Students may elect to complete up to a maximum of three concentrations as they work toward their degree. Concentrations must be declared at the beginning of their studies and must be completed prior to graduation. Each elective course taken can only count toward one concentration. If you utilize financial aid, reimbursement options, or are an athlete, please check on eligibility requirements before declaring multiple concentrations.

Data Analytics

Code	Title	Credits
MBA 729	Technologies For Data Analytics	2
Select two of the following:		4
MBA 758	Social Media Marketing	
MBA 761	Optimization Techniques	
MBA 762	Supply Chain Analytics	
Total Credits		**6**

Finance

Code	Title	Credits
Select three of the following:		6
MBA 730	Financial Technology and Innovation	
MBA 733	Investments	
MBA 735	International Financial Management	
MBA 739	Financial Institution Management	
Total Credits		**6**

Global Management

Code	Title	Credits
MBA 718	Global Supply Chain Management	2
MBA 735	International Financial Management	2
MBA 750	Global Marketing Management	2
Total Credits		**6**

Marketing

Code	Title	Credits
Select three of the following:		6
MBA 750	Global Marketing Management	
MBA 753	Integrated Marketing Communications	
MBA 757	Sales and Key Account Management	
MBA 758	Social Media Marketing	
MBA 759	Product Management	
MBA 760	Digital Marketing	
Total Credits		**6**

Human Resources

Code	Title	Credits
Select three of the following:		6
MBA 781	Strategic Compensation	
MBA 786	Strategic Human Resource Management	
MBA 787	Workforce Planning and Staffing	
MBA 788	Performance Management	
MBA 789	Employee Training and Development	
Total Credits		**6**

Supply Chain Management

Code	Title	Credits
Select three of the following:		6
MBA 718	Global Supply Chain Management	
MBA 762	Supply Chain Analytics	
MBA 764	Strategic Sourcing in Digital Supply Chains	
MBA 765	Sustainable Logistics and Disaster Management	
Total Credits		**6**

Accounting

Code	Title	Credits
Select three of the following:		6
MBA 801	Financial Statement Analysis and Business Valuation	
MBA 802	Auditing and Forensic Accounting Methods	
MBA 803	Corporate Taxation for Managers	
MBA 804	Accounting Data Analytics	
Total Credits		**6**

Program and Project Management

Code	Title	Credits
Select three of the following:		6
MBA 771	Agile and Waterfall Project Management	
MBA 773	Resource Management and Budgeting	
MBA 774	Project Leadership and Change Management	
MBA 775	Team Building and Communications in Projects	
Total Credits		**6**

General Management

Code	Title	Credits
Select three of the following: [1]		6
MBA 718	Global Supply Chain Management	
MBA 729	Technologies For Data Analytics	
MBA 730	Financial Technology and Innovation	
MBA 733	Investments	
MBA 735	International Financial Management	
MBA 739	Financial Institution Management	
MBA 750	Global Marketing Management	
MBA 753	Integrated Marketing Communications	
MBA 757	Sales and Key Account Management	
MBA 758	Social Media Marketing	
MBA 760	Digital Marketing	
MBA 761	Optimization Techniques	
MBA 762	Supply Chain Analytics	
MBA 764	Strategic Sourcing in Digital Supply Chains	
MBA 765	Sustainable Logistics and Disaster Management	
MBA 771	Agile and Waterfall Project Management	
MBA 773	Resource Management and Budgeting	
MBA 774	Project Leadership and Change Management	
MBA 775	Team Building and Communications in Projects	
MBA 781	Strategic Compensation	
MBA 786	Strategic Human Resource Management	
MBA 787	Workforce Planning and Staffing	
MBA 788	Performance Management	
MBA 789	Employee Training and Development	
MBA 801	Financial Statement Analysis and Business Valuation	
MBA 802	Auditing and Forensic Accounting Methods	
MBA 803	Corporate Taxation for Managers	
MBA 804	Accounting Data Analytics	
MBA 790	Special Topics	
Total Credits		**6**

[1] Any MBA course not being used to fulfill requirements for core or an additional concentration may be used to fulfill requirements for this concentration.

University Requirements for Master's Degree Programs

To receive a master's degree from UW-Parkside, students must meet the following minimum requirements (note that individual programs may impose more stringent requirements):

1. Complete at least 30 graduate credits, of which no more than 12 may be transferred from another institution.
2. Have an overall GPA of at least 3.00 for all graduate work taken at UW-Parkside that is applicable to the degree program.
3. Satisfy all requirements of the graduate degree program.

Students may take no more than seven years to complete a degree, beginning with the semester in which they complete their first course as a UW-Parkside degree-seeking graduate student, unless they apply for and receive an extension through the appropriate graduate program. Some programs may impose a shorter time limit. To graduate, students must file a request for graduation. The request form, signed by the student's advisor and filed in the appropriate graduate program office, initiates the final review of the candidate's records. Students also need to apply to graduate with the Office of the Registrar.

For admission into the Master of Business Administration online program, students must hold a bachelor's degree from an accredited institution and provide transcripts from all accredited institutions previously attended.

Applicants to the program must submit:

1. A completed application (available online) and a non-refundable application fee;
2. Official transcripts from all post-secondary institutions attended other than UW-Parkside, for both undergraduate and graduate-level studies. Transcripts must be sent directly to the UW-Parkside Admissions Office from all post-secondary institutions to be considered in the admission decision.
3. The GMAT is waived for applicants. Students with less than a 2.75 undergraduate GPA will have to provide additional documents, including an updated resume.
4. International students must also submit evidence of English proficiency (e.g., TOEFL, IELTS score), transcript evaluations from a foreign credentials evaluation service, and sponsorship form (see the MBA website for additional information).

Official transcripts from all institutions attended should be mailed directly from the institution(s) to:

Admissions Office
University of Wisconsin-Parkside
900 Wood Road
Kenosha, WI 53141-2000.

Courses in Business Administration

MBA 502 | Accounting and Finance Fundamentals For Business | 2 cr
Introduces financial and managerial accounting principles and tools used in managing businesses.
Prerequisites: Admission to MBA plan required; or consent of program director.
Offered: Fall, Spring, Summer.

MBA 512 | Foundations in Statistics and Economics | 2 cr
Introduces descriptive statistics, probability and expectations, theoretical distributions, sampling distributions, estimation, and hypothesis testing. Focuses on three major macroeconomic variables (GDP, inflation and unemployment) and analysis of both fiscal and monetary policies.
Prerequisites: Admission to MBA plan required; or consent of program director.
Offered: Fall, Spring, Summer.

MBA 700 | Creative and Innovative Management | 2 cr
Focuses on challenges and opportunities associated with being an effective, creative, and innovative manager in the increasingly complex, disruptive, and competitive workplace.
Prerequisites: Admission to MBA program required; or consent of program director.
Offered: Fall, Spring, Summer.

MBA 702 | Managerial Accounting | 2 cr
Delves into the role of accounting in the successful management of business enterprises; identification of relevant cost and revenue information for managerial decisions; application of analytical reasoning and formal models to various business problems.
Prerequisites: Admission to MBA plan required; or consent of program director.
Offered: Fall, Spring, Summer.

MBA 715 | Advanced Operations Management | 2 cr
Reinforces and explores in detail the concepts and techniques of modern operations management. Uses case studies, simulation, and real life business issues to examine new and emerging trends.
Prerequisites: Admission to MBA plan required; or consent of program director.
Offered: Fall, Spring, Summer.

MBA 716 | Project Management | 2 cr
Explores the basics of project planning and control, PERT/CRM, work breakdown structure, cost control, matrix organization, resource scheduling and leveling, and outsourcing; introduces project management software.
Prerequisites: Admission to MBA plan required; or consent of program director.
Offered: Fall, Spring, Summer.

MBA 718 | Global Supply Chain Management | 2 cr
Covers basic terminologies, concepts, and state-of-the-art models that are involved in the design, control, and management of supply chain systems. Includes topics such as network planning, inventory management and risk pooling, strategic alliances, ethics, logistics, and sustainability.
Prerequisites: Admission to MBA plan required; or consent of program director.
Offered: Fall, Summer.

MBA 720 | Information Technology for Business Decision Making | 2 cr
Introduces various technologies for business decision making. Includes decision support systems, technologies for achieving operational excellence, enterprise systems, customer relationship management systems, business intelligence systems, data mining, strategic decision making based on data, forecasting.
Prerequisites: Admission to MBA plan required; or consent of program director.
Offered: Fall, Spring, Summer.

MBA 724 | Website Development | 2 cr
Examines how organizations use IT resources to implement web strategies; analyzes and assesses the IT infrastructure used in industries with regard to the organization's IT design and development of basic web pages.
Prerequisites: Admission to MBA Plan required; or consent of program director.
Offered: Occasionally.

MBA 725 | E-Commerce | 2 cr
Examines E-commerce in general. Covers e-commerce technology, developing an e-commerce architecture, business-to-consumer e-commerce, planning for e-commerce, and social implications.
Prerequisites: Admission to MBA Plan required; or consent of program director.
Offered: Occasionally.

MBA 726 | Globalization and Technology | 2 cr
Explores the issues related to international information systems and reviews the possible solutions that lead to successful international applications.
Prerequisites: Admission to MBA Plan required; or consent of program director.
Offered: Occasionally.

MBA 728 | Database Systems Development | 2 cr
Covers database querying, design, creation, developing applications and reports.
Prerequisites: Admission to MBA program required; or consent of program director.
Offered: Occasionally.

MBA 729 | Technologies For Data Analytics | 2 cr
Introduces technologies for data analytics. Includes database technologies and programming for data analytics. Admission to MBA plan required; or consent of program director.
Prerequisites: MBA 720.
Offered: Fall, Spring, Summer.

MBA 730 | Financial Technology and Innovation | 2 cr
Explores various changes in financial technology: financial service to Robo-advising, the banking industry to peer-to-peer lending, digital payments, the capital market to crowdfunding, Initial Coin Offerings (ICO), investments to cryptocurrency, NFT, and risk management to InsurTech.
Prerequisites: Admission to MBA or MBAO plan required; or consent of program director.
Offered: Yearly.

MBA 732 | Corporate Financial Management | 2 cr
Examines the theory and practice of corporate finance; fundamental ideas such as the time value of money and its role in valuation. Applies techniques to major decision areas that face financial managers.
Prerequisites: Admission to MBA plan required; or consent of program director.
Offered: Fall, Spring, Summer.

MBA 733 | Investments | 2 cr
Explores financial investments, theoretical and applied valuation techniques, and modern investment portfolio theory.
Prerequisites: Admission to MBA plan required; or consent of program director.
Offered: Fall, Spring.

MBA 735 | International Financial Management | 2 cr
Discusses the principles of international finance and foreign exchange risk management for multinational corporations.
Prerequisites: Admission to MBA plan required; or consent of program director.
Offered: Fall, Spring.

MBA 738 | Investment Portfolio Management | 2 cr
Deals with the theory and practice of evaluating investments with an emphasis on developing skills for appraising the value of equities and fixed-income securities. A comprehensive internet financial markets trading simulation provides experience in the theory and practice of securities trading and portfolio management.
Prerequisites: MBA 733.
Offered: Occasionally.

MBA 739 | Financial Institution Management | 2 cr
Examines the structure and operation of financial institutions including commercial banks, thrifts, credit unions, insurance companies, security firms and investment banks, finance companies, mutual funds, and pension funds. Covers the techniques used to analyze and manage risks of financial institutions.
Prerequisites: Admission to MBA or MBAO plan required; or consent of program director.
Offered: Fall, Summer.

MBA 741 | Contemporary Challenges in Managing Organizations | 2 cr
Examines traditional theories and contemporary managerial perspectives to optimize organizational effectiveness. Includes leadership, motivation and performance, decision making and empowerment, organization climate, culture and change, individual human processes, and overall global management.
Prerequisites: Admission to MBA plan required; or consent of program director.
Offered: Fall, Spring, Summer.

MBA 742 | Leadership: Theory, Application, and Skill Development | 2 cr
Focuses on the demands of organizational leadership. Examines theories, strategies, and approaches to leadership including the effect of globalization and the role of ethics on leadership.
Prerequisites: Admission to MBA plan required; or consent of program director.
Offered: Fall, Spring, Summer.

MBA 743 | Emotional Intelligence | 2 cr
Explores theory and science behind emotional intelligence, the ability to recognize one's own feelings, and those of others to manage emotions and relationships. Examines application of the component emotional intelligence competencies vital to managing self and others in order to create effective performance and success in the workplace.
Prerequisites: Admission to MBA Plan required; or consent of program director.
Offered: Fall, Spring.

MBA 744 | Management Techniques | 2 cr
Delves into improving management skills, including stress management, oral and written communication, team building, leadership, motivating and empowering others, and conflict management.
Prerequisites: Admission to MBA Plan required; or consent of program director.
Offered: Occasionally.

MBA 745 | Resilience in Organizations | 2 cr
The ability to remain positive under challenging conditions and emerge strengthened is a function of an organization's culture, as well as an employee's individual character. Strategies for reducing risk, increasing protective factors and enhancing coping, with an emphasis of identifying and supporting strengths.
Prerequisites: MBA 541.
Offered: Occasionally.

MBA 746 | Advanced Global Management | 2 cr
Focuses on managing and coordinating diverse workers across national boundaries using case studies and current managerial dilemmas in different cultures.
Prerequisites: Admission to MBA plan required; or consent of program director.
Offered: Fall, Spring, Summer.

MBA 748 | New Venture Formation | 2 cr
Explores the process by which entrepreneurs recognize opportunities, plan, and launch new businesses. Includes extensive casework and the development of a startup business plan as an illustration of principles learned.
Prerequisites: Admission to MBA Plan required; or consent of program director.
Offered: Occasionally.

MBA 749 | Seminar On Executive Management | 2 cr
Explores current challenges of executive management and leadership in complex organizations. Topics vary depending on executive level manager teaching the class. May be repeated for credit with approval of MBA Director.
Prerequisites: Admission to MBA Plan required; or consent of program director.
Offered: Occasionally.

MBA 750 | Global Marketing Management | 2 cr
Examines management techniques in the global context, including increasingly competitive international market dynamics and environmental factors.
Prerequisites: Admission to MBA plan required; or consent of program director.
Offered: Fall, Summer.

MBA 752 | Marketing Management | 2 cr
Utilizes case studies to hone analytical and decision making skills for marketing. Focuses on the various kinds of problems in marketing that the modern decision maker must resolve.
Prerequisites: Admission to MBA plan required; or consent of program director.
Offered: Fall, Spring, Summer.

MBA 753 | Integrated Marketing Communications | 2 cr
Reviews aspects of advertising, promotions, and personal selling from the perspective of market management.
Prerequisites: Admission to MBA plan required; or consent of program director.
Offered: Fall, Spring.

MBA 754 | Online Market Research | 2 cr
Provides opportunity to apply multidisciplinary approach to research a product and market segment of interest. Develops skills in finding, assessing, and using online marketing information.
Prerequisites: Admission to MBA Plan required; or consent of program director.
Offered: Occasionally.

MBA 756 | Buyer Behavior | 2 cr
Covers theoretical and applied research and concepts in buying decision processes pertinent to individuals, households, businesses, and other institutions. Includes discussions relating to development, implementation, and evaluation of marketing strategies and implications for e-commerce.
Prerequisites: Admission to MBA Plan required; or consent of program director.

MBA 757 | Sales and Key Account Management | 2 cr
Reviews theory and best practices related to sales and key account management, includes discussion of motivation and incentives, selection, recruitment, and major account strategy.
Prerequisites: Admission to MBA plan required; or consent of program director.
Offered: Fall, Summer.

MBA 758 | Social Media Marketing | 2 cr
Explores the use of social media by marketers to increase brand awareness, identify key audiences, generate leads and build meaningful relationships with customers.
Prerequisites: Admission to MBA plan required; or consent of program director.
Offered: Yearly.

MBA 759 | Product Management | 2 cr
Examines the process of developing new products and services and managing existing offerings in a competitive market environment. Includes case studies to illustrate principles.
Prerequisites: Admission to MBA Plan required; or consent of program director.
Offered: Occasionally.

MBA 760 | Digital Marketing | 2 cr
Explores best practices for using data to create and optimize a digital marketing strategy. Introduces digital analytics platforms from a practical marketing perspective. Covers web analytics, simulations, and industry certifications. Not available for students with credit in: MBA 758.
Prerequisites: Admission to MBA plan required; or consent of program director.
Offered: Yearly.

MBA 761 | Optimization Techniques | 2 cr
Covers quantitative techniques managers use to enhance decision-making, including topics such as linear programming and its application, integer linear programming, non-linear programming, decision and risk analysis, and multi-criteria decision.
Prerequisites: Admission to MBA plan required; or consent of program director; MBA 720.
Offered: Fall, Spring, Summer.

MBA 762 | Supply Chain Analytics | 2 cr
Covers quantitative techniques managers use to enhance decision-making, including topics such as supply contract methods, inventory management techniques, network planning, distribution strategies, and supply chain decision making under uncertainty.
Prerequisites: Admission to MBA plan required; or consent of program director; MBA 720.
Offered: Fall, Spring, Summer.

MBA 764 | Strategic Sourcing in Digital Supply Chains | 2 cr
Focuses on skills and management tools to effectively source and procure resources using up-to-date technology.
Prerequisites: Admission to MBA program.
Offered: Yearly.

MBA 765 | Sustainable Logistics and Disaster Management | 2 cr
Examines how to improve logistics and supply chain operations to increase efficiency and create value. Focuses on preventing and overcoming disasters.
Prerequisites: Admission to MBA program.
Offered: Yearly.

MBA 771 | Agile and Waterfall Project Management | 2 cr
Explores application of agile and waterfall project management methodologies.
Prerequisites: Admission to MBA program.
Offered: Yearly.

MBA 773 | Resource Management and Budgeting | 2 cr
Covers efficient ways to allocate and track resources. Examines assigning costs, creating budgets and managing the cash flow.
Prerequisites: Admission to MBA program.
Offered: Yearly.

MBA 774 | Project Leadership and Change Management | 2 cr
Focuses on leadership skills for managing projects through organizational change.
Prerequisites: Admission to MBA program.
Offered: Yearly.

MBA 775 | Team Building and Communications in Projects | 2 cr
Explores team empowerment, diversity and inclusion, communication, and conflict resolution to ensure a project's intended outcome and overall organizational success.
Prerequisites: Admission to MBA program.
Offered: Yearly.

MBA 777 | Business Simulation and Modeling | 2 cr
Focuses on modeling the situations that are commonly observed in manufacturing or service industries. Includes analysis of simulation results and how to make appropriate business decisions.
Prerequisites: Admission to MBA Plan required; or consent of program director.
Offered: Spring.

MBA 781 | Strategic Compensation | 2 cr
Explores strategic use of compensation and benefits to attract, retain and motivate qualified employees. Covers theories underlying effective compensation and benefits systems design including internal alignment, external competitiveness and pay-for-performance.
Prerequisites: Admission to MBA plan required; or consent of program director.
Offered: Fall.

MBA 786 | Strategic Human Resource Management | 2 cr
Examines human resources management systems to create and sustain competitive advantage; emphasizes an integrate framework that requires linkage between, as well as consistency among, functional HR activities and their alignment with and reinforcement of the organization's competitive strategy.
Prerequisites: Admission to MBA Plan required; or consent of program director.
Offered: Yearly.

MBA 787 | Workforce Planning and Staffing | 2 cr
Explores planning for, recruiting, selecting and retaining an organization's labor force in context of the staffing environment (e.g. EEO laws and regulations, the economy and labor markets) using necessary tools (e.g. statistical measurement).
Prerequisites: Admission to MBA Plan required; or consent of program director.
Offered: Occasionally.

MBA 788 | Performance Management | 2 cr
Examines performance management methods and applicable motivation theories that managers can apply to encourage employees to support the strategic objectives of the organization in different business environments.
Prerequisites: Admission to MBA program required; or consent of program director.
Offered: Occasionally.

MBA 789 | Employee Training and Development | 2 cr
Strategic development of the skillset of employees for an organization's competitive advantage, including training needs assessment, program design, implementation of training programs and training evaluations.
Prerequisites: Admission to MBA program required; or consent of program director.
Offered: Fall, Spring.

MBA 790 | Special Topics | 1-3 cr
Explores special topics in the functional areas of business including topics such as market research, labor/management relations, social responsibilities/ethics, applied multi-variant statistics, management techniques, issues in financial accounting, financial analysis, and information systems evaluating and management. May be repeated with change in topic.
Prerequisites: Admission to MBA or MBAO Plan required; or consent of program director.
Offered: Occasionally.

MBA 793 | Competitive Decision Making | 2 cr
Provides advanced learning experience in competitive decision making through the use of an online business simulations.
Prerequisites: Admission to MBA plan required; or consent of program director.
Offered: Fall, Spring, Summer.

MBA 794 | Internship | 1-3 cr
Provides actual or quasi on-the-job learning experiences in which a student works with a single sponsoring organization under the supervision of a faculty member. Students may not use their current employment for internship credit. May be repeated for credit with different topic. A maximum of four credits of internship, and a total of six credits of internship plus independent study, can be applied toward MBA degree completion. Credit/no-credit grading basis.
Prerequisites: Admission to MBA program required; consent of instructor and program director.
Offered: Fall, Spring, Summer.

MBA 796 | Advanced Strategic Management | 2 cr
Focuses on strategic management as an essential function for all types of organizations and firms. Emphasizes advanced strategic management concepts, particularly business-level and corporate-level strategy formulation, implementation, and control.
Prerequisites: Admission to MBA program required; consent of program director; and any 4 of these 5 courses: MBA 700, MBA 702, MBA 720, MBA 732, and MBA 752.
Offered: Fall, Spring, Summer.

MBA 799 | Independent Study and Research | 2 cr
Provides an opportunity to work on an independent research study or project under the guidance of a faculty member. A maximum of four credits of independent study, and a total of six credits of internship plus independent study, can be applied toward MBA degree completion.
Prerequisites: Admission to MBA or MBAO Plan required; consent of instructor and program director.
Offered: Fall, Spring, Summer.

MBA 801 | Financial Statement Analysis and Business Valuation | 2 cr
Explores financial reporting topics in terms of its effect on assessments of a firm¿s profitability and risk; illustrates how to use financial statements for decision making.
Prerequisites: Admission to MBA program.
Offered: Yearly.

MBA 802 | Auditing and Forensic Accounting Methods | 2 cr
Focuses on auditing theory and forensic methods. Includes fulfilling internal and external auditing requirements by applying auditing theory and practice, emphasizing audit standards and evidence, and implementing, and adhering to internal controls.
Prerequisites: Admission to MBA program.
Offered: Yearly.

MBA 803 | Corporate Taxation for Managers | 2 cr
Focuses on corporate tax compliance including compliance with federal filing requirements. Concentrates on the managerial tax function, including both administrative input and the use of tax accounting information.
Prerequisites: Admission to MBA program.
Offered: Yearly.

MBA 804 | Accounting Data Analytics | 2 cr
Covers data analytics in accounting while addressing skills to help management identify risks, gain actionable insights, and react quickly to opportunities and/or competitions.
Prerequisites: Admission to MBA program.
Offered: Yearly.

Professional Communication (MA)

Department website (https://online.uwp.edu/programs/ma-professional-communication.aspx)

College: College of Arts & Humanities

The Master of Arts in Professional Communication (MAPC) is designed to provide students with an advanced level grounding in professional communication with specific attention to organizational and community leadership, community relations, and contemporary, applied media. Graduates will be better equipped to communicate strategically and ethically to diverse audiences, create messages in various formats (i.e., oral, written, digital), manage conflicts, and constructively and creatively provide leadership in community and organizational settings.

Program Objectives
The Communication Department graduate curriculum is designed around a set of five learning goals that are focused on the concept of becoming a **competent communicator**. Core and elective course offerings are meant to help you develop your knowledge and skills in the following Communication program learning goals:

1. To produce audience-centered messages through advanced writing, storytelling, and argumentation;
2. To master formal presentational skills in mediated and unmediated contexts;
3. To facilitate constructive communication to enhance organizational, community, and cultural interactions;
4. To enact civic and organizational leadership skills;
5. To embody critical, diverse perspectives in the workplace.

Department Policy on Collaboration and Academic Honesty
The Communication Department strongly encourages our students to engage in conversation and collaboration with our faculty, each other, and other members of the academic community. These kinds of exchanges are at the heart of teaching and learning. As part of this process, it is essential that students fully disclose and credit the sources used in their work. All work that is not originally created by the author should be credited, including (but not limited to) others' ideas, language, images, art, digital recordings, and projects. The intentional or unintentional use of another's work, or one's own previous work, without the accurate and full citation of the source, constitutes plagiarism. Penalties for documented cases of plagiarism may include a grade reduction or failing a course. All documented cases of plagiarism in the communication department will be filed with the department chair or her designee. A student who commits two or more acts of plagiarism in one or more communication courses will have their case reviewed by the department's executive committee. If a case is confirmed as constituting serious breaches of academic honesty, the committee may decide to formally drop the student from the communication major.

Requirements for the Master of Arts in Professional Communication

Delivered online in 7-week module formats. The program will culminate in a research paper or professional project.

Code	Title	Credits
Required Courses		
COMM 701	Introduction to Graduate Studies	1
COMM 703	Professional Communication	3
COMM 707	Qualitative Research Methods	3
COMM 797	Comprehensive Exams I [1]	3
COMM 798	Comprehensive Exams II [1]	3
Elective Courses		
Select six of the following: [2]		18
COMM 708	Critical Media Studies	
COMM 715	Gender and Work	
COMM 720	Philosophy & Theory in Communication	
COMM 725	Conflict Transformation	
COMM 730	Grant Proposal Writing	
COMM 740	Self-Reflective Communication in Civic Change	
COMM 750	Digital Media Production	
COMM 770	Enacting Leadership	
COMM 775	Making Your Case: Strategies for Argumentation	
COMM 785	Public Dialogue	
COMM 794	Professional Communication Internship	
COMM 799	Independent Study	
Total Credits		**31**

1. Students may take up to 6 credits of COMM 797 Comprehensive Exams I and/or COMM 798 Comprehensive Exams II if necessary.
2. Students may take up to 6 elective credits outside of the Professional Communication program with approval from their graduate program advisor.

University Requirements for Master's Degree Programs

To receive a master's degree from UW-Parkside, students must meet the following minimum requirements (note that individual programs may impose more stringent requirements):

1. Complete at least 30 graduate credits, of which no more than 12 may be transferred from another institution.
2. Have an overall GPA of at least 3.00 for all graduate work taken at UW-Parkside that is applicable to the degree program.
3. Satisfy all requirements of the graduate degree program.

Students may take no more than seven years to complete a degree, beginning with the semester in which they complete their first course as a UW-Parkside degree-seeking graduate student, unless they apply for and receive an extension through the appropriate graduate program. Some programs may impose a shorter time limit. To graduate, students must file a request for graduation. The request form, signed by the student's advisor and filed in the appropriate graduate program office, initiates the final review of the candidate's records. Students also need to apply to graduate with the Office of the Registrar.

For admission into the M.A. in Professional Communication online program, you must:

- Hold a bachelor's degree from an accredited institution.
- Write a 500-word statement about why you would like to enter the program.

Official transcripts from all colleges/universities attended, regardless if they appear on the degree awarding transcript or not, should be mailed directly from the institution(s) to UW-Parkside at this address:

Admissions Office
University of Wisconsin-Parkside
900 Wood Road
Kenosha, WI 53144

Graduate Courses in Communication

COMM 701 | Introduction to Graduate Studies | 1 cr
Provides a rigorous introduction to scholarly writing, research, methodologies in communication studies.
Prerequisites: None.
Offered: Fall, Spring, Summer.

COMM 703 | Professional Communication | 3 cr
Examines communication or communication in a global workplace emphasizing intercultural and multi-generational differences. Cross-listed with: MAPS 703.
Prerequisites: Admission to the program.
Offered: Yearly.

COMM 707 | Qualitative Research Methods | 3 cr
Provides opportunity for research experience in interviewing, survey creation, and analysis.
Prerequisites: Admission to the program.
Offered: Fall, Spring, Summer.

COMM 708 | Critical Media Studies | 3 cr
Introduces a number of theoretical backgrounds and methodological processes involved in doing media scholarship, such as analyses of industries, audiences, texts, and discourses.
Prerequisites: Admission to the program.
Offered: Yearly.

COMM 715 | Gender and Work | 3 cr
Investigates the roles gender plays in defining work, and in determining access to leadership and power in the U.S. workplace. Explores women, men and non-binary genders across the corporate, political and non-profit sectors.
Prerequisites: Admission to the program.
Offered: Yearly.

COMM 720 | Philosophy and Theory in Communication | 3 cr
Investigates communication theories and their implications. Explores how they challenge certain philosophical ideas, such as reality, materiality, and social construction.
Prerequisites: Admission to the program.
Offered: Yearly.

COMM 725 | Conflict Transformation | 3 cr
Examines the connections between communication, conflict, and personal/social transformation.
Prerequisites: Admission to the program.
Offered: Yearly.

COMM 730 | Grant Proposal Writing | 3 cr
Develops skills necessary for writing successful grant proposals. Covers different types of grants, identifying funding agencies, interpreting call for grant proposals, and creating persuasive narratives.
Prerequisites: Admission to the program.
Offered: Summer.

COMM 740 | Self-Reflective Communication in Civic Change | 3 cr
Examines autoethnographic writing as a mode of qualitative research, art form, and transformative process of understanding human behavior and lived experience.
Prerequisites: Admission to the program.
Offered: Summer.

COMM 744 | Human Machine Interface | 3 cr
Explores how human and machines effectively engage in decision-making processes by aligning values, ethics, and cognition, and how the design of interfaces affects the social and cultural factors. Cross-listed: MAPS 744.
Prerequisites: Admission to the program; MAPS 640 or consent of instructor.
Offered: Summer.

COMM 750 | Digital Media Production | 3 cr
Introduces digital production techniques and technologies appropriate to achieve success in multiplatform workplaces. Develops skills in audio and video production and integrating multimedia projects on social networking platforms.
Prerequisites: Admission to the program.
Offered: Summer.

COMM 770 | Enacting Leadership | 3 cr
Explores rhetorical perspectives and practices of leadership, critical followership, and ethics.
Prerequisites: Admission to the program.
Offered: Spring.

COMM 775 | Making Your Case: Strategies for Argumentation | 3 cr
Considers argument in the context of theory and practice through a community-based project. Analyzes theoretical foundations for how the exchange of reason influences individuals and collectives in private and public life.
Prerequisites: Admission to the program.
Offered: Yearly.

COMM 785 | Public Dialogue | 3 cr
Examines the theory and practice of dialogue as a form of communication. Analyzes a range of perspectives and strategies to gain proficiency as facilitators of the dialogue process.
Prerequisites: Admission to the program.
Offered: Spring.

COMM 790 | Special Topics in Professional Communication | 3 cr
Examines selected advanced topics in professional communication. May be repeated for credit with a different topic.
Prerequisites: None.
Offered: Occasionally.

COMM 794 | Professional Communication Internship | 3 cr
Combines field experience with a guided, systematic and structured application of communication concepts. Consult graduate director for procedures.
Prerequisites: Admission to the program; consent of instructor, department chair.
Offered: Fall, Spring, Summer.

COMM 797 | Comprehensive Exams I | 3 cr
Provides opportunity to read and organize material in preparation for the required essays.
Prerequisites: Admission to the program; consent of instructor.
Offered: Fall, Spring, Summer.

COMM 798 | Comprehensive Exams II | 3 cr
Provides opportunity to complete two essay exams and participate in oral defense that require reflection and synthesis of the knowledge gained throughout the program and additional research in relevant sub-fields.
Prerequisites: Admission to the program; COMM 797; consent of instructor.
Offered: Fall, Spring, Summer.

COMM 799 | Independent Study | 3 cr
Provides an opportunity for investigation of selected topics in communication.
Prerequisites: Admission to the program; consent of instructor, department chair.
Offered: Fall, Spring, Summer.

Sport Management (MS)

Department website (https://www.uwp.edu/learn/programs/sport-management-ms.cfm)

College: College of Natural & Health Sciences

Street & Smith's Sports Business Journal (SBJ) has previously stated that the sports industry is "one of the largest and fastest growing industries in the United States." The publication also noted that the sports industry "…is far more than twice the size of the auto industry and seven times the size of the movie industry." These numbers illustrate the overall economic power of the sports industry and, as one might assume, an industry of this size continually needs an infusion of highly educated and qualified personnel in order to thrive.

The overall goal of the Master of Science in Sport Management degree program is to provide graduates with the skills and knowledge necessary to succeed at all levels of organized sport in today's ultra-competitive 21st century sports business environment.

The 33-credit master of science in sport management degree requires a combination of core classes (21 credits) designed to ensure all graduates have the basic, requisite skills needed to succeed in the industry. There are an additional six credits of required electives with a wide array of offerings designed to ensure maximum flexibility for the student to pursue additional knowledge beneficial to their chosen career. Finally, students will need to complete either a thesis addressing a major issue in sport management or a combination of two courses with a practical/industry-based focus that will ensure they are ready for success in the industry. Both the thesis and non-thesis options require six credits.

The program is offered in both in-person (MSSM) and fully online (MSSO) formats. Both formats were designed with timing flexibility in mind, which should allow students to complete it on their own terms/timetable. The degree can be completed fully in-person, online or through a combination of the two course formats. Assuming an average nine- to twelve-credit load, most students will be able to complete the proposed program in one-and-a-half to two years. However, if a student wishes to be aggressive with credit load, course format and scheduling (adding winterim and/or summer courses), the degree could be completed in one calendar year. If someone wishes to proceed at a slower pace, the flexible schedule and delivery format along with the frequent course offerings should allow a student to complete the program at whatever pace they wish subject only to the seven-year completion window for graduate programs at UW-Parkside.

Program Learning Outcomes

1. Demonstrate Effective Communication Skills. Upon completion of the program, students will be able to: demonstrate professional interpersonal skills; demonstrate the ability to develop and deliver professional messages in oral, written and visual forms of communication in various types of settings; demonstrate negotiation skills
2. Demonstrate Effective Management Skills. Upon completion of the program, students will be able to: demonstrate knowledge of and ability to comply with legal, HR and other forms of rules and compliance-related situations; demonstrate the ability to act in an ethical manner including in areas of diversity and Corporate Social Responsibility; demonstrate knowledge of sound financial management practices including revenue generation methods such as marketing and sales along with efficient facility/organization planning on the expense side; demonstrate inclusive leadership skills including the ability to lead meetings; demonstrate the ability to collect, manage, analyze and interpret sport management data; demonstrate the ability to identify and solve problems faced by sports organizations.
3. Demonstrate Ability to Utilize Skills, Knowledge and Competencies Learned in the Program in a Real-World Setting. Upon completion of the program, students will be able to: demonstrate the ability to utilize the skills, knowledge and competencies illustrated above in a real-world setting with a sports organization.

Transfer Policies

Graduate-level work completed at other regionally-accredited institutions may be transferred toward the master's degree in sport management at UW-Parkside but such transfers are subject to the following provisions:

- A maximum of 12 credits may be transferred;
- Only the courses with a grade of B or better can be transferred;
- The student must petition for the transfer upon admission to the program. Transfer credit will be formally granted after the student has successfully completed a minimum of eight (8) semester hours of graduate course work at UW-Parkside;
- An admitted student who plans to take a course at another institution and transfer it back to UW-Parkside must obtain prior permission from the program director; and
- Exceptions to the above transfer policy can be considered after written request to the program director.

Timing Policies

As noted in UW-Parkside policy, students who do not complete a course within a period of 12 months will be dropped as a student unless they apply for and are granted a leave of absence from graduate work. Dropped students or students exceeding the term of leave may apply for readmission to the program.

As also noted in UW-Parkside policy, a student may take no more than seven years to complete the master of science degree in sport management. This time period begins with the semester in which they complete their first course as a degree-seeking graduate student.

Requirements for the Master of Science in Sport Management

Code	Title	Credits
Required Courses		
MSSM 610	Sports Governance and Administration	3
MSSM 660	Sports Research and Analysis Methodology	3
MSSM 670	Social and International Issues in 21st Century Sports	3
MSSM 710	Sports Law	3
MSSM 711	Ethical Issues and Leadership in Sports	3
MSSM 720	Revenue Generation and Sales in Sports Organizations	3
MSSM 721	Financial Management for Sports Organizations	3
Elective Courses		
Select two of the following:		6
MSSM 515	The Business of E-Sports	
MSSM 539	Sustainable Sport Management	

MSSM 560	Sports Communication	
MSSM 565	Sports Broadcasting	
MSSM 600	Sports Analytics	
MSSM 635	Athletic Fundraising	
MSSM 640	Advanced Studies in Health and Sport Leadership	
MSSM 675	Sports Facility and Event Management	
MSSM 690	Special Topics in Sport Management	
MSSM 790	Special Topics in Sport Management	
MSSM 794	Sport Management Internship [1]	
MSSM 799	Independent Study	
Completion Options - Non-Thesis or Thesis		
Select one of the following:		6
Non-Thesis Option		
MSSM 791	Current Issues in Sport Management Seminar	
MSSM 794	Sport Management Internship	
Thesis Option		
MSSM 798	Thesis in Sport Management	
Total Credits		**33**

[1] If choosing the non-thesis completion option, students may take an addition 3 credits to use as an elective course.

University Requirements for Master's Degree Programs

To receive a master's degree from UW-Parkside, students must meet the following minimum requirements (note that individual programs may impose more stringent requirements):

1. Complete at least 30 graduate credits, of which no more than 12 may be transferred from another institution.
2. Have an overall GPA of at least 3.00 for all graduate work taken at UW-Parkside that is applicable to the degree program.
3. Satisfy all requirements of the graduate degree program.

Students may take no more than seven years to complete a degree, beginning with the semester in which they complete their first course as a UW-Parkside degree-seeking graduate student, unless they apply for and receive an extension through the appropriate graduate program. Some programs may impose a shorter time limit. To graduate, students must file a request for graduation. The request form, signed by the student's advisor and filed in the appropriate graduate program office, initiates the final review of the candidate's records. Students also need to apply to graduate with the Office of the Registrar.

Admission Procedure

All applications must be submitted online through the UW-Parkside website. Please visit https://www.uwp.edu/apply/admissions/graduate/ to submit the following:

- Official transcripts from all undergraduate institutions attended;
- Current resume; and
- A statement of purpose that discusses career goals and why they are pursuing a career in sports. (Up to 1,000 words.)

Students with an overall undergraduate grade point average of 2.5 or lower are highly encouraged to also submit up to three (3) letters of recommendation as part of their application materials.

Official transcripts from all colleges/universities attended, regardless if they appear on the degree awarding transcript or not, should be mailed directly from the institution(s) to UW-Parkside at this address:

Admissions Office
University of Wisconsin-Parkside
900 Wood Road
Kenosha, WI 53144

Admissions will occur on a rolling basis with new applicants able to start the program during each of the academic terms: fall, winterim, spring and summer.

International Student Admission Procedure

In addition to submitting the above application materials, international applicants must submit the following items:

1. A completed online Application for Graduate International Student Admission.
2. If applicant's native language is not English then an Official Test of English as a Foreign Language (TOEFL) score must be obtained. A score of 525 on the paper test (197 computer based or 71 internet based) is required. For information regarding the location of the test centers nearest you and for making arrangements to take the TOEFL test visit the website: http://www.ets.org/toefl (http://www.ets.org/toefl/)
3. A Sponsorship Statement Form documenting support for one year of study.
4. Original bank statement or bank letter documenting sufficient funds for one year of study. Photocopies and FAX cannot be accepted.
5. Official transcripts from all secondary schools, colleges and universities attended. Records must be in the original language with certified English translations. Official records should include all exam, test results, certificates, diplomas or degrees received.
6. To receive transfer credits from a foreign university, a prospective student must have their transcripts evaluated through one of the recommended companies:
   - ECE (Educational Credential Evaluators)
   - WES (World Education Services)
   - One Earth International Credit Evaluators
7. Finally, potential graduate students must purchase the "Catalog Match Request" to ensure transferability of coursework.

Courses in Sport Management (Graduate level)

MSSM 515 | The Business of E-Sports | 3 cr
Provides overview of the e-sports industry including industry governance/administration, revenue generation, leadership and facility operations & development. Multi-career cross-listing: SPMT 315. Not available for students with credit in: SPMT 315.
Prerequisites: None.
Offered: Occasionally.

MSSM 539 | Sustainable Sport Management | 3 cr
Surveys sustainable business techniques employed by sports organizations in the areas of facility financing, facility development, marketing and event operations. Examines how sports organizations employ marketing techniques focused on and including sustainable/green concepts. Not open to those with credit in SPMT 339. Multi-career cross-listing: SPMT 339.
Prerequisites: None.
Offered: Spring (even years).

MSSM 560 | Sports Communication | 3 cr
Examines how sports organizations interact with the media and fans/customers through various forms of electronic and social media. Multi-career cross-listing: SPMT 360. Not available for students with credit in: SPMT 360.
Prerequisites: None.
Offered: Yearly.

MSSM 565 | Sports Broadcasting | 3 cr
Provides an overview of the basics of sports broadcasting including radio, television and streaming platforms. Includes examination of how individuals enter and operate in the industry and practical application of skills. Multi-career cross-listing: SPMT 365. Not available for students with credit in: SPMT 365.
Prerequisites: None.
Offered: Occasionally.

MSSM 600 | Sports Analytics | 3 cr
Examines the design, collection, analysis, and use of data to measure performance and make decisions in competitive sports. Reviews basic concepts and skills needed to develop and apply analytical skills to sport from different perspectives: coaching, management, business, media, etc. Not open to those with credit in SPMT 400. Multi-career cross-listing: SPMT 400.
Prerequisites: None.
Offered: Yearly.

MSSM 635 | Athletic Fundraising | 3 cr
Examines the development of successful fundraising programs in interscholastic and intercollegiate athletic programs. Not open to those with credit in SPMT 435. Multi-career cross-listing: SPMT 435.
Prerequisites: None.
Offered: Yearly.

MSSM 640 | Advanced Studies in Health and Sport Leadership | 3 cr
Addresses significant real-world issues faced by industry leaders in health and sport industries from perspective of industry executives and discusses resolution strategies. Multi-career cross-listing: SPMT 440. Not available for students with credit in: SPMT 440.
Prerequisites: None.
Offered: Occasionally.

MSSM 700 | Sports Research and Analysis Methodology | 3 cr
Analyzes research in the sport management field to help solve issues within the sport industry. Introduces different methods for conducting and analyzing research. Examines how research articles are organized to assist in both reading and conducting research.
Prerequisites: None.
Offered: Yearly.

MSSM 701 | Sports Governance and Administration | 3 cr
Explores the managerial activities essential to governance and policy development in the sport industry and reviews the structure and function of these organizations.
Prerequisites: None.
Offered: Yearly.

MSSM 710 | Sports Law | 3 cr
Examines sport law as it applies to sport managers by identifying liability of situations in the supervision, management and conduct of sport. Introduces how to design and develop strategies for limiting liability including constitutional law, negligence, contract and employment law.
Prerequisites: None.
Offered: Yearly.

MSSM 711 | Ethical Issues and Leadership in Sports | 3 cr
Introduces various leadership theories and ethical considerations in sport. Examines leadership and ethical issues when leading a sport organization including topics in human resources and effective management.
Prerequisites: None.
Offered: Yearly.

MSSM 712 | Social and International Issues in 21st Century Sports | 3 cr
Introduces sociological concepts within sport. Examines how global society impacts sport.
Prerequisites: None.
Offered: Yearly.

MSSM 720 | Revenue Generation and Sales in Sports Organizations | 3 cr
Examines revenue generation and sales processes for sports organizations including the various revenue streams available at all levels of sport through developing buyer proposals and learning contract negotiation processes for agreements.
Prerequisites: None.
Offered: Yearly.

MSSM 721 | Financial Management for Sports Organizations | 3 cr
Covers budgeting and financial reporting for sports organizations. Explores methods of financing for both sports organizations and sports facilities.
Prerequisites: None.
Offered: Yearly.

MSSM 722 | Sports Facility and Event Management | 3 cr
Covers planning, development and management of sport facilities and events. Includes topics in needs assessment, risk management, site selection, financial planning, operations, crowd control, event staffing, marketing, media, and sponsorships and participant prizes.
Prerequisites: None.
Offered: Yearly.

MSSM 790 | Special Topics in Sport Management | 3 cr
Examines topics in sport management. May be repeated for credit with different topic.
Prerequisites: None.
Offered: Occasionally.

MSSM 791 | Current Issues in Sport Management Seminar | 3 cr
Explores current and ongoing issues in the sport management industry. Discusses and analyzes current topics preparing student to face these issues in the real world as a sport manager.
Prerequisites: None.
Offered: Fall, Spring.

MSSM 794 | Sport Management Internship | 3 cr
Provides opportunity for professional skills development through supervised work in the field of sport management. Applies learned knowledge and enhances experience and skills in a practical and relevant setting. May be repeated one time for additional three credits.
Prerequisites: Consent of instructor and department chair.
Offered: Yearly.

MSSM 798 | Thesis in Sport Management | 1-6 cr
Provides opportunity to complete a master's thesis in sport management by reviewing existing research and conducting original, independent research. May be repeated for credit.
Prerequisites: Permission of instructor and program director.
Offered: Occasionally.

MSSM 799 | Independent Study | 3 cr
Provides opportunity for independent work in specific areas under the supervision of a department faculty member. May be repeated for credit.
Prerequisites: Consent of instructor and department chair.
Offered: Fall, Spring, Summer.

Sustainable Management (MS)

Department website (https://www.uwp.edu/learn/programs/sustmngtmasters.cfm)

College: College of Natural & Health Sciences

This program is a collaborative online Master of Science in Sustainable Management degree program offered jointly by UW-Green Bay, UW-Oshkosh, UW-Parkside, UW-Stout, UW-Superior with administrative and financial support from UW-Extension. This online M.S. in Sustainable Management programs focuses primarily on adult and nontraditional students who hold an undergraduate degree and have the desire to continue their education to achieve a graduate degree.

Program Learning Outcomes

1. Particular attention will be given to ensuring that students are well versed in business and science by teaching them about complex topics that require both perspectives. These topics include climate change, renewable resources, and industrial ecology. The program will ensure that students gain a comprehensive understanding of the ways in which changing human activities affect the inseparable natural, social, and economic environments. This knowledge will position UW graduates, many of whom will work for Wisconsin businesses and organizations, to gain a competitive advantage while preserving natural resources and strengthening communities.

Requirements for the Master of Science in Sustainable Management

To graduate with a master of science in sustainable management students must satisfy all degree requirements for their home institutions.

Code	Title	Credits
Required Core Courses		
SMGT 700	Cultural and Historical Foundations of Sustainability	3
SMGT 710	The Natural Environment	3
SMGT 720	Applied Research and the Triple Bottom Line	3
SMGT 730	Policy, Law, and the Ethics of Sustainability	3
SMGT 740	Economics of Sustainability	3
SMGT 750	The Built Environment	3
SMGT 760	Geopolitical Systems-Decision Making For Sustainability on the Local, State, and National Level	3
SMGT 770	Leading Sustainable Organizations	3
Specialty Track Courses		
Select two of the following:		6
SMGT 780	Corporate and Social Responsibility	
SMGT 782	Supply Chain Management	
SMGT 784	Sustainable Water Management	
SMGT 785	Waste Management and Resource Recovery	
SMGT 786	Climate Change	
Required Capstone Experience Courses		
SMGT 790	Capstone Preparation Course	1
SMGT 792	Capstone Project	3
Total Credits		**34**

University Requirements for Master's Degree Programs

To receive a master's degree from UW-Parkside, students must meet the following minimum requirements (note that individual programs may impose more stringent requirements):

1. Complete at least 30 graduate credits, of which no more than 12 may be transferred from another institution.
2. Have an overall GPA of at least 3.00 for all graduate work taken at UW-Parkside that is applicable to the degree program.
3. Satisfy all requirements of the graduate degree program.

Students may take no more than seven years to complete a degree, beginning with the semester in which they complete their first course as a UW-Parkside degree-seeking graduate student, unless they apply for and receive an extension through the appropriate graduate program. Some programs may impose a shorter time limit. To graduate, students must file a request for graduation. The request form, signed by the student's advisor and filed in the appropriate graduate program office, initiates the final review of the candidate's records. Students also need to apply to graduate with the Office of the Registrar.

- A bachelor's degree from a regionally or nationally accredited university (in any discipline) and a minimum cumulative grade point average (GPA) of 3.0. Students with a GPA less than 3.0 may be considered for a provisional admission. Please contact the Academic Director (skalbeck@uwp.edu) for more information.
- A personal statement of not more than 1,000 words describing your reasons for pursuing a Master of Science in Sustainable Management, your short- and long-term career goals, and what value you would add to the learning experience of your fellow

students. Space for the personal statement is included in the online application.
- Your resume.
- Two letters of recommendation.

The GRE will not be required for admission to the program. Writing samples or recommendations may be requested and used toward an admissions decision if warranted. Students will apply and be admitted to one of the five partner institutions. The admissions determination will be made by a committee consisting of academic program directors from the five partner institutions. Once admitted, the student's home institution will remain constant for the duration of the degree program. Admissions will occur on a rolling basis with new applicants able to start the program during each of the academic terms: fall, spring, and summer.

Courses in Sustainable Management

SMGT 700 | Cultural and Historical Foundations of Sustainability | 3 cr

The changing relationships of humans to the natural environment; changes in dominant scientific perspectives and the process of scientific debate. The quest for understanding, manipulating, and dominating the natural world. Cultural and organizational structures; the role and impact of technology; the systems approach to problem solving and its implications for the future.
Prerequisites: Sustainable management major or program advisor consent.
Offered: Fall, Spring, Summer.

SMGT 710 | The Natural Environment | 3 cr

Natural cycles, climate, water, energy, bio-systems, the role of humans in the biosphere; human impacts on natural systems. Use of case studies; some pre-reading, carbon cycle as a unifying theme. Disturbance pollution and toxicity; carrying capacity; natural capital.
Prerequisites: Sustainable management major or program advisor consent.
Offered: Fall, Spring, Summer.

SMGT 720 | Applied Research and the Triple Bottom Line | 3 cr

Document and project internal and external costs resulting form the inseparability of the natural, social and economic environments. Assesses sustainability issues using basic modeling techniques; cause and effect, root cause analysis, regression analysis and business scenario based cases.
Prerequisites: Sustainable management major or program advisor consent.
Offered: Fall, Spring, Summer.

SMGT 730 | Policy, Law, and the Ethics of Sustainability | 3 cr

The Law and Ethics regarding sustainability of Economic development and emerging environmental challenges at national and international levels; including National Environmental Policy Act (NEPA), United Nations Environmental Program (UNEP), Carbon Footprints, Kyoto protocol, and Brundtland Commission. The policy and role of government and its agencies such as Army Corps of Engineers; Department of Interior, etc., in building a more just, prosperous, and secure environmental common future.
Prerequisites: Sustainable management major or program advisor consent.
Offered: Fall, Spring, Summer.

SMGT 740 | Economics of Sustainability | 3 cr

Understanding the economy as a component of the ecosystem within it resides, with natural capital added to the typical analysis of human, social, built, and financial capital. Explores traditional micro, macro, and international trade theory and policy and the implications of sustainability. Topics include: history of economic systems and thought; globalization and localization; distinguishing between growth and development; the nature and causes of market failure; consumption, consumerism, and human well-being; emerging markets; technological change; business organization and financial market alternatives; demographic change; and the global economy.
Prerequisites: Sustainable management major or program advisor consent.
Offered: Fall, Spring, Summer.

SMGT 750 | The Built Environment | 3 cr

Explore how the built environment came to be and the intersection of human needs: water, air, food, water, waste, transportation, healthcare and education. Evaluate community design; what does a sustainable community look like? Study related technologies and evaluate alternatives, discuss unintended consequences. Course will include case studies.
Prerequisites: Sustainable management major or program advisor consent.
Offered: Fall, Spring, Summer.

SMGT 760 | Geopolitical Systems-Decision Making For Sustainability on the Local, State, and National Level | 3 cr

An examination of decision making and public policy for sustainability at the national, state and local level, with emphasis on the social, economic, political factors affecting decisions within both the public and private sectors. Attention is given to formal American policymaking processes, informal grassroots activities and consensus building, public engagement with sustainability decisions, corporate sustainability actions and reporting, the promise of public-private partnerships and collaborative decision making, and practical examples of how decision making fosters effective transitions to sustainability goals at all levels.
Prerequisites: Sustainable management major or program advisor consent.
Offered: Fall, Spring, Summer.

SMGT 770 | Leading Sustainable Organizations | 3 cr

A macro-level perspective on leading sustainable organizations. Topics addressed include: organizational change and transformation processes, strategic and creative thinking, organizational structures and their impacts, conflict management and negotiation, stakeholders management and situational leadership styles and behaviors. Focuses on how organizational leaders develop and enable sustainable organizations, especially in times of environmental change.
Prerequisites: Sustainable management major or program advisor consent.
Offered: Fall, Spring, Summer.

SMGT 780 | Corporate and Social Responsibility | 3 cr

Corporate social responsibility and an organization. Evaluation of risks and potential impacts in decision making recognizing the links between the success of an organization and the well being of a community. Integrating corporate social responsibility throughout an organization, creating metrics and communicating CSR policies internally and externally. Development of best practices in an organization pertaining to corporate social responsibility.
Prerequisites: Sustainable management major or program advisor consent.
Offered: Fall, Spring, Summer.

SMGT 782 | Supply Chain Management | 3 cr
Planning, organizing and controlling the organization's supply chain is examined in context of the triple bottom line. Total cost analysis of product and process life cycles are considered in the context of strategy and operations. Topics include: sourcing, operations, distribution, reverse logistics and service suply chains. Process measurements and the impact on organizational performance in the context of footprints (e.g. carbon, water, pollution). Discussion of existing and potential software systems.
Prerequisites: Sustainable management major or program advisor consent.
Offered: Fall, Spring, Summer.

SMGT 784 | Sustainable Water Management | 3 cr
This course addresses practical applications of sustainability in aquatic environments. Topics covered include water and health, water quality and quantity, governance, assessing the aquatic environment, water treatment technologies, environmental mitigation, and impacts of climate change. emphasis will be on selected areas of interest from the perspective of public health, engineering, and municipal conservation management.
Prerequisites: Sustainable management major or program advisor consent.
Offered: Fall, Spring, Summer.

SMGT 785 | Waste Management and Resource Recovery | 3 cr
Topics include the generation, processing, management and disposal of municipal, industrial and agricultural waste with an emphasis on the technical, economic and environmental aspects of various recovery processes.
Prerequisites: Sustainable management major or program advisor consent.
Offered: Fall, Spring, Summer.

SMGT 786 | Climate Change | 3 cr
In this course, you will explore climate change through scientific, humanistic, and sustainability frameworks. After building a strong foundation in the causes, impacts, and study of climate change, you will apply this understanding to evaluate scientific communication, environmental justice and vulnerability, and environmental policy to find solutions and strategies to address anthropogenic climate change.
Prerequisites: Sustainable management major/program or program advisor consent.
Offered: Fall.

SMGT 790 | Capstone Preparation Course | 1 cr
Research, data, analysis, scholarly inquiry resulting in project proposal.
Prerequisites: Sustainable management major or program advisor consent.
Offered: Fall, Spring, Summer.

SMGT 792 | Capstone Project | 3 cr
Completion of approved project utilizing concepts from coursework.
Prerequisites: Sustainable management major or program advisor consent.
Offered: Fall, Spring, Summer.

SMGT 795 | Special Topics in Sustainable Management | 3 cr
Various specialized areas in sustainable management will be examined.
Prerequisites: Sustainable management major or program advisor consent.
Offered: Fall, Spring, Summer.

Graduate Certificate Programs

- Applied Bioinformatics Certificate (p. 421)
- Climate Leadership Graduate Certificate (p. 422)
- Data Analytics Certificate (p. 423)
- Digital Marketing Analytics Certificate (p. 423)
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- Emerging Technology in FinTech Certificate (p. 425)
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- Environment, Social and Governance Graduate Certificate (p. 426)
- Foundations of Health and Wellness Graduate Certificate (p. 427)
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- Leadership in Health and Wellness Graduate Certificate (p. 430)
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- Marketing Certificate (p. 431)
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- Senior Living and Services Leadership Certificate (p. 433)
- Smart City Policy and Civic Partnerships Certificate (p. 434)
- Sport Management Sustainability Certificate (p. 434)
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- Supply Chain Management Certificate (p. 436)
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Applied Bioinformatics Certificate

Department website (https://www.uwp.edu/learn/programs/appliedbioinformatics.cfm)

College: College of Natural & Health Sciences

The Graduate Certificate in Applied Bioinformatics is being offered through the established collaborative online MS in Applied Biotechnology and will include both existing and new courses. The certificate represents a fully online, asynchronous curriculum comprised of 12 credits to include four courses. As is the case with the MS in Applied Biotechnology degree, UW-Green Bay, UW-Madison, UW-Oshkosh, UW-Parkside, UW-Platteville, UW-Stevens Point, and UW-Whitewater will offer the certificate jointly. The program will serve as both an in-program learning opportunity and additional credential for MS-ABT degree-seeking students as well as a freestanding certificate program for non-degree (certificate-only) seeking students who may or may not elect to continue to the MS degree program. Students will select and enroll at a home campus from which they will receive academic supports and the certificate is conferred.

Program Learning Outcomes

Upon completion of this certificate, students will be able to demonstrate proficiency in the following program learning outcomes aligned with the M.S. in Applied Biotechnology program.

- Competency A: Demonstrate professional and scientific communication appropriate for biotechnology settings
  - Program Outcome 1: Select the most appropriate modalities, methodologies, tools, and practices to communicate complex ideas effectively across diverse audiences.

    - Program Outcome 3: Construct and deliver effective, professional presentations
- Competency B: Demonstrate comprehensive understanding of organizational processes and product development pipelines
    - Program Outcome 4: Evaluate and describe systems of product research, development, and production
- Competency C: Distinguish among diverse methods and technologies and their applications in biotechnology
    - Program Outcome 8: Compare and contrast emerging with existing technologies
    - Program Outcome 9: Exhibit strong technical knowledge to evaluate and choose appropriate technologies
    - Program Outcome 10: Demonstrate the ability to read, interpret and apply scientific literature
    - Program Outcome 11: Demonstrate competency in data analyses and statistics used in biotechnology
- Students will also demonstrate proficiency in this certificate-specific program outcomes:
    - Demonstrate competency in use of python programming strategies to solve problems in bioinformatics
    - Demonstrate the ability to integrate python programming strategies with complementary resources, especially UNIX, GitHub, and libraries.

Requirements for the Graduate Certificate in Applied Bioinformatics

Admission requirements for the Graduate Certificate in Applied Bioinformatics program will include a Bachelor's degree and a 3.0 undergraduate GPA. Program prerequisite will include General Biology with lab.

Successful completion of the certificate requires a grade of C or better in each of the certificate courses and a certificate GPA of 3.0 or better.

Code	Title	Credits
Required Courses		
ABT 720	Experimental Design and Analysis in Biotechnology	3
ABT 730	Python for Bioinformatics	3
ABT 780	Bioinformatics Inquiry	3
ABT 785	Applications of Bioinformatics	3
Total Credits		**12**

University Requirements for Graduate Certificates

Graduate certificates are designed for students at one of the following levels:

- Students who have completed a baccalaureate or higher degree from a regionally accredited institution and are enrolled for graduate credit
- Students who are enrolled simultaneously in a graduate degree program

Students must meet the admission requirements of a degree seeking or non-degree seeking graduate student to be eligible to earn a graduate certificate. At least 75% of the credits must be earned after completion of a baccalaureate or higher degree and students must attain a GPA of 3.00 within the certificate courses.

Certificate programs are designed to develop a particular expertise or set of skills. Graduate certificate programs will require a minimum of 8 graduate-level credits. For graduate certificates, at least 50% of the credits must be at the 700 level. At least 60% of the credits for the graduate certificates must be earned at UW-Parkside for program residency. Individual departments and programs may require more than 60% of the credits to be taken at UW Parkside.

Certificate programs should not be confused with certification or licensure programs which lead to certification by an outside agency.

Climate Leadership Graduate Certificate

College: College of Natural & Health Sciences

Coursework in this certificate focuses on the principles of sustainability, climate science and leadership. Students will learn the fundamentals of sustainability and climate science in management, behavior and development of organizations, and the principles of corporate social responsibility. The Graduate Certificate in Climate Leadership is an offering of the University of Wisconsin online collaborative M.S. in Sustainable Management program. Coursework completed in the certificate applies toward the master's degree should a student choose to enroll as a degree-seeking student in the program.

Program Learning Outcomes

1. Effectively communicate complex issues related to sustainability.
2. \\nAnalyze the relation between human activity and the natural, social, and economic environments.
3. Evaluate the role of government agencies regarding obligations to future generations.
4. Understand the social and political impact of sustainability in democratic systems.\\n
5. Evaluate the effects of organizational leadership within communities. \\n
6. Assess the effects of climate change on society.

Requirements for the Graduate Certificate in Climate Leadership

Code	Title	Credits
SMGT 700	Cultural and Historical Foundations of Sustainability	3
SMGT 770	Leading Sustainable Organizations	3
SMGT 786	Climate Change	3
Total Credits		**9**

University Requirements for Graduate Certificates

Graduate certificates are designed for students at one of the following levels:

- Students who have completed a baccalaureate or higher degree from a regionally accredited institution and are enrolled for graduate credit
- Students who are enrolled simultaneously in a graduate degree program

Students must meet the admission requirements of a degree seeking or non-degree seeking graduate student to be eligible to earn a graduate certificate. At least 75% of the credits must be earned after completion of a baccalaureate or higher degree and students must attain a GPA of 3.00 within the certificate courses.

Certificate programs are designed to develop a particular expertise or set of skills. Graduate certificate programs will require a minimum of 8 graduate-level credits. For graduate certificates, at least 50% of the credits must be at the 700 level. At least 60% of the credits for the graduate certificates must be earned at UW-Parkside for program residency. Individual departments and programs may require more than 60% of the credits to be taken at UW Parkside.

Certificate programs should not be confused with certification or licensure programs which lead to certification by an outside agency.

Data Analytics Certificate

Department website (https://www.uwp.edu/learn/programs/mbadataanalyticscert/)

College: College of Business, Economics, and Computing

Data-driven decision making is a key for successful business managers. It enables you to find whether what seems attractive and logical is really beneficial to your business. Without data analytics companies could not provide 24-hour delivery to your doorstep or being resilient to manage COVID pandemic uncertainty and challenges. The proposed graduate level certificate in Data Analytics (DA) is designed to impart these data analysis and data visualization tools and techniques.

The graduate Certificate in Data Analytics (DA) is being offered through the established MBA-DA degree program. The certificate will include existing courses from the MBA-DA program focused on data analytics tools, data visualization, optimization, and supply chain analytics.

Program Learning Outcomes

1. Create visual and analytical models to solve organizational issues.
2. Apply advanced analytics, including AI/ML, to guide business decisions.
3. Utilize state-of-the-art technology tools to work with large sets of organizational data.
4. Apply optimization tools to make efficient business decisions.
5. Design strategic forecasting, inventory, and distribution polices.

Program-Specific Policies

Students cannot earn both a certificate in Data Analytics and an MBA degree with Data Analytics concentration.

Requirements for the Graduate Certificate in Data Analytics

The following students are eligible for the graduate level Data Analytics certificate:

- Current UW-Parkside MBA student with any concentration except Data Analytics
- Students with an undergraduate degree with GPA 2.75 or higher from an accredited institution AND 5 years of relevant professional experience (resume required).
- Students with an undergraduate business degree with GPA 2.75 or higher from an accredited institution.
- Students with any Master's degree from an accredited institution AND 2 years of relevant professional experience (resume required).
- Students with Master's degree in Business field from an accredited institution.

Students cannot enroll for a certificate in Data Analytics if they have already earned a UW-Parkside MBA degree with Data Analytics concentration.

Successful completion of the certificate requires a grade of C or better in each of the certificate courses and a certificate GPA of 3.0 or better.

Code	Title	Credits
Required Courses:		
MBA 720	Information Technology for Business Decision Making	2
MBA 729	Technologies For Data Analytics	2
MBA 761	Optimization Techniques	2
MBA 762	Supply Chain Analytics	2
Total Credits		**8**

University Requirements for Graduate Certificates

Graduate certificates are designed for students at one of the following levels:

- Students who have completed a baccalaureate or higher degree from a regionally accredited institution and are enrolled for graduate credit
- Students who are enrolled simultaneously in a graduate degree program

Students must meet the admission requirements of a degree seeking or non-degree seeking graduate student to be eligible to earn a graduate certificate. At least 75% of the credits must be earned after completion of a baccalaureate or higher degree and students must attain a GPA of 3.00 within the certificate courses.

Certificate programs are designed to develop a particular expertise or set of skills. Graduate certificate programs will require a minimum of 8 graduate-level credits. For graduate certificates, at least 50% of the credits must be at the 700 level. At least 60% of the credits for the graduate certificates must be earned at UW-Parkside for program residency. Individual departments and programs may require more than 60% of the credits to be taken at UW Parkside.

Certificate programs should not be confused with certification or licensure programs which lead to certification by an outside agency.

Digital Marketing Analytics Certificate

Department website (https://www.uwp.edu/learn/programs/digitalmarketanalytics.cfm)

College: General

Digital Marketing Analytics will prepare students to collect, visually present, and analyze customer data using the latest technology tools to improve marketing strategies and campaign performance.

Program Learning Outcomes

1. Collect, analyze and leverage customer data for digital marketing strategies.
2. Utilize technology tools to collect, analyze, and visually present campaign data to facilitate improvement of digital marketing strategy.
3. Build and optimize automation sequences for the buyer journey.
4. Conduct market research to inform strategic position and identify appropriate target markets.
5. Interpret campaign data and metrics to measure success and guide operational and strategic decisions.

Requirements for the Graduate Certificate in Digital Marketing Analytics

Admission to the Digital Marketing Certificates requires:

- A baccalaureate degree from a regionally accredited institution
- Overall undergraduate GPA on required transcripts of at least 3.0 on a 4.0 scale

Students need to submit transcripts and a current resume. For students who do not meet the GPA requirement, a provisional admission may be made based on additional information such as a statement of purpose and/or an interview with the applicant.

Code	Title	Credits
Required courses		
DMK 700	SEO and Digital Marketing Research	3
DMK 705	Customer Data Analysis and Decisions	3
DMK 710	Digital Marketing Technologies	3
Total Credits		**9**

University Requirements for Graduate Certificates

Graduate certificates are designed for students at one of the following levels:

- Students who have completed a baccalaureate or higher degree from a regionally accredited institution and are enrolled for graduate credit
- Students who are enrolled simultaneously in a graduate degree program

Students must meet the admission requirements of a degree seeking or non-degree seeking graduate student to be eligible to earn a graduate certificate. At least 75% of the credits must be earned after completion of a baccalaureate or higher degree and students must attain a GPA of 3.00 within the certificate courses.

Certificate programs are designed to develop a particular expertise or set of skills. Graduate certificate programs will require a minimum of 8 graduate-level credits. For graduate certificates, at least 50% of the credits must be at the 700 level. At least 60% of the credits for the graduate certificates must be earned at UW-Parkside for program residency. Individual departments and programs may require more than 60% of the credits to be taken at UW Parkside.

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Digital Marketing Management Certificate

Department website (https://www.uwp.edu/learn/programs/digitalmarketingmanagement.cfm)

College: General

Digital Marketing Management will prepare students to optimize automation sequences for the buyers, design digital media marketing plans, lead and manage digital marketing projects, interpret campaign data, and practice legal and ethical principles in digital marketing.

Program Learning Outcomes

1. Build and optimize automation sequences for the buyer journey.
2. Design, execute and manage a digital media marketing plan.
3. Interpret campaign data and metrics to measure success and guide operational and strategic decisions.
4. Create and manage a digital marketing campaign, including budget projections, timeframe, and adjusting the plan as needed.
5. Practice legal and ethical principles in digital marketing.
6. Effectively lead and manage cross-functional digital marketing projects.

Requirements for the Graduate Certificate in Digital Marketing Management

Admission to the Digital Marketing Certificates requires:

- A baccalaureate degree from a regionally accredited institution
- Overall undergraduate GPA on required transcripts of at least 3.0 on a 4.0 scale

Students need to submit transcripts and a current resume. For students who do not meet the GPA requirement, a provisional admission may be made based on additional information such as a statement of purpose and/or an interview with the applicant.

Code	Title	Credits
Required Courses		
DMK 730	Legal and Ethical Considerations in Digital Marketing	3
DMK 735	Digital Marketing Strategy and Tactics	3
DMK 740	Digital Marketing Management	3
Total Credits		**9**

University Requirements for Graduate Certificates

Graduate certificates are designed for students at one of the following levels:

- Students who have completed a baccalaureate or higher degree from a regionally accredited institution and are enrolled for graduate credit
- Students who are enrolled simultaneously in a graduate degree program

Students must meet the admission requirements of a degree seeking or non-degree seeking graduate student to be eligible to earn a graduate certificate. At least 75% of the credits must be earned after completion of a baccalaureate or higher degree and students must attain a GPA of 3.00 within the certificate courses.

Certificate programs are designed to develop a particular expertise or set of skills. Graduate certificate programs will require a minimum of 8 graduate-level credits. For graduate certificates, at least 50% of the credits must be at the 700 level. At least 60% of the credits for the graduate certificates must be earned at UW-Parkside for program residency. Individual departments and programs may require more than 60% of the credits to be taken at UW Parkside.

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Emerging Technology in FinTech Certificate

Department website (https://www.uwp.edu/learn/programs/emergingtechfintec.cfm)

College: General

Emerging technologies in Fintech certificate will prepare students to gain an in-depth knowledge of financial technologies, AI/ML techniques in finance, and emerging technologies such as the blockchain.

Program Learning Outcomes

1. Apply computational systems and technologies to integrate financial processes and improve work flows.
2. Evaluate and manage risks of digital transformation in financial institutions.
3. Use digital tools and techniques for analytical applications in financial organizations.
4. Utilize artificial intelligence and machine learning in financial applications.
5. Experiment with technologies for decentralized finance and blockchain applications.

Requirements for the Graduate Certificate in Emerging Technology in FinTech

Admission to the Emerging technologies in Fintech Certificate requires:

- A baccalaureate degree from a regionally accredited institution
- Overall undergraduate GPA on required transcripts of at least 3.0 on a 4.0 scale

Students need to submit transcripts and a current resume. For students who do not meet the GPA requirement, a provisional admission may be made based on additional information such as a statement of purpose and/or an interview with the applicant.

Code	Title	Credits
Required Courses		
FNT 730	Technologies in FinTech	3
FNT 735	Blockchain Technologies	3
FNT 740	Artificial Intelligence and Machine Learning in FinTech	3
Total Credits		**9**

University Requirements for Graduate Certificates

Graduate certificates are designed for students at one of the following levels:

- Students who have completed a baccalaureate or higher degree from a regionally accredited institution and are enrolled for graduate credit
- Students who are enrolled simultaneously in a graduate degree program

Students must meet the admission requirements of a degree seeking or non-degree seeking graduate student to be eligible to earn a graduate certificate. At least 75% of the credits must be earned after completion of a baccalaureate or higher degree and students must attain a GPA of 3.00 within the certificate courses.

Certificate programs are designed to develop a particular expertise or set of skills. Graduate certificate programs will require a minimum of 8 graduate-level credits. For graduate certificates, at least 50% of the credits must be at the 700 level. At least 60% of the credits for the graduate certificates must be earned at UW-Parkside for program residency. Individual departments and programs may require more than 60% of the credits to be taken at UW Parkside.

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Enterprise Infrastructure Certificate

Department website (https://www.uwp.edu/learn/departments/computerscience/)

College: College of Business, Economics, and Computing

The University of Wisconsin Graduate Certificate in Enterprise Infrastructure focuses on the real-world applications and practices that support the day-to-day technical operations of business functions. Deepen your knowledge of the technology side of IT management and learn the state-of-the-art tools and software used to run IT applications on a large scale in contemporary business environments. You'll gain expertise in data science, cloud computing, enterprise applications, risk management and cybersecurity. Prepare to feel more confident leading an IT team. This Certificate helps you build the skills you need to step into roles such as infrastructure manager, solutions architect, information technology operations manager, system engineer, technical manager, information technology supervisor, information technology manager, system administrator and director of information technology.

Program Learning Outcomes

1. Address ethical issues associated with information technology.
2. Create and manage technology policies and procedures that account for regulatory requirements.
3. Implement IT governance goals of leadership.
4. Implement appropriate security controls to safeguard the information resources of the organization.

5. Analyze data to address organizational challenges and create competitive advantages.
6. Recommend appropriate data management technologies.
7. Implement enterprise solutions in support of organizational goals.

Requirements for the Graduate Certificate in Enterprise Infrastructure

Code	Title	Credits
Required Courses		
ITM 715	Data Science	3
ITM 720	Cloud Computing and Enterprise Applications	3
ITM 725	Enterprise Security	3
Total Credits		**9**

University Requirements for Graduate Certificates

Graduate certificates are designed for students at one of the following levels:

- Students who have completed a baccalaureate or higher degree from a regionally accredited institution and are enrolled for graduate credit
- Students who are enrolled simultaneously in a graduate degree program

Students must meet the admission requirements of a degree seeking or non-degree seeking graduate student to be eligible to earn a graduate certificate. At least 75% of the credits must be earned after completion of a baccalaureate or higher degree and students must attain a GPA of 3.00 within the certificate courses.

Certificate programs are designed to develop a particular expertise or set of skills. Graduate certificate programs will require a minimum of 8 graduate-level credits. For graduate certificates, at least 50% of the credits must be at the 700 level. At least 60% of the credits for the graduate certificates must be earned at UW-Parkside for program residency. Individual departments and programs may require more than 60% of the credits to be taken at UW Parkside.

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- Bachelor's degree with a 3.0 or higher undergraduate GPA
- Completed coursework with a "C" or better—or demonstrated sufficient knowledge—in programming (object oriented, modern language), database, and computer networking. Program academic directors have the option to waive a prerequisite based, in part, on student work experience and background. Technical certifications such as Oracle, Microsoft, IBM, AWS, Cisco, or professional experience may be used in lieu of formal coursework to demonstrate proficiency at the discretion of the academic adviser at the student's home campus. If you need to complete prerequisite coursework, please contact an enrollment advisor for details.

Environment, Social and Governance Graduate Certificate

College: College of Natural & Health Sciences

Coursework in this certificate focuses on the principles of environment, social and governance (ESG) and its practical application across organizations. Students will learn the fundamentals of ESG components, reporting, tracking, and application. The Graduate Certificate in ESG is an offering of the University of Wisconsin online collaborative M.S. in Sustainable Management program. Coursework completed in the certificate applies toward the master's degree should a student choose to enroll as a degree-seeking student in the program.

Program Learning Outcomes

1. Effectively communicate complex issues related to sustainability.\\n
2. Analyze the relation between human activity and the natural, social, and economic environments.\\n
3. Evaluate the role of government agencies regarding obligations to future generations.\\n
4. Apply micro and macroeconomic models utilizing financial, natural, built, and social capital.\\n
5. Understand the social and political impact of sustainability in democratic systems.\\n\\n

Requirements for the Graduate Certificate in Environment, Social and Governance

Code	Title	Credits
SMGT 720	Applied Research and the Triple Bottom Line	3
SMGT 730	Policy, Law, and the Ethics of Sustainability	3
SMGT 740	Economics of Sustainability	3
Total Credits		**9**

University Requirements for Graduate Certificates

Graduate certificates are designed for students at one of the following levels:

- Students who have completed a baccalaureate or higher degree from a regionally accredited institution and are enrolled for graduate credit
- Students who are enrolled simultaneously in a graduate degree program

Students must meet the admission requirements of a degree seeking or non-degree seeking graduate student to be eligible to earn a graduate certificate. At least 75% of the credits must be earned after completion of a baccalaureate or higher degree and students must attain a GPA of 3.00 within the certificate courses.

Certificate programs are designed to develop a particular expertise or set of skills. Graduate certificate programs will require a minimum of 8 graduate-level credits. For graduate certificates, at least 50% of the credits must be at the 700 level. At least 60% of the credits for the graduate certificates must be earned at UW-Parkside for program residency. Individual departments and programs may require more than 60% of the credits to be taken at UW Parkside.

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Foundations of Health and Wellness Graduate Certificate

College: College of Natural & Health Sciences

This program offers individuals from a variety of professional backgrounds the opportunity to study important health and well-being principles and practices. This certificate examines the many different aspects of health and provides the tools necessary to be able to find reliable health information. Students in this program will learn what it means to be an agent of change and how to apply evidence-based practices to effectively address the health needs of a population.

Target audience:

- Human Resources and other professionals who have wellness related duties as an added responsibility
- Healthcare employees who want to learn more about well-being
- Other individuals exploring careers in health and wellness

Program Learning Outcomes

1. Demonstrate effective use of communication technologies across multiple modalities to deliver messages.
2. Assess the needs of the audience to create and deliver effective evidence-informed messaging.
3. Justify the value of a culture of well-being as part of an organization and community.
4. Analyze the determinants of health, their underlying causes, and how they impact health outcomes.
5. Apply a holistic approach to effectively address identified population health issues.

Students seeking admission to the Foundations of Health and Wellness Certificate require:

- A bachelor's degree from a regionally or nationally accredited university (in any discipline).

Code	Title	Credits
Required Courses		
HWM 700	Contemporary Health and Wellness Perspectives	3
HWM 725	Evidence-based Practices in Health and Wellness	3
HWM 730	Holistic Aspects of Health	3
Total Credits		**9**

University Requirements for Graduate Certificates

Graduate certificates are designed for students at one of the following levels:

- Students who have completed a baccalaureate or higher degree from a regionally accredited institution and are enrolled for graduate credit
- Students who are enrolled simultaneously in a graduate degree program

Students must meet the admission requirements of a degree seeking or non-degree seeking graduate student to be eligible to earn a graduate certificate. At least 75% of the credits must be earned after completion of a baccalaureate or higher degree and students must attain a GPA of 3.00 within the certificate courses.

Certificate programs are designed to develop a particular expertise or set of skills. Graduate certificate programs will require a minimum of 8 graduate-level credits. For graduate certificates, at least 50% of the credits must be at the 700 level. At least 60% of the credits for the graduate certificates must be earned at UW-Parkside for program residency. Individual departments and programs may require more than 60% of the credits to be taken at UW Parkside.

Certificate programs should not be confused with certification or licensure programs which lead to certification by an outside agency.

Human Resource Management Certificate

Department website (https://www.uwp.edu/learn/programs/mbahrmgmtcert/)

College: College of Business, Economics, and Computing

Organizations are operating in an increasingly competitive and dynamic business environment. Further, the role of Human Resources (HR) is changing and becoming more strategic in businesses and other organizations. There is a demand for HR professionals who have business skills and understand the strategic role that HR should play to help an organization gain a competitive advantage. The purpose of this certificate is to prepare students to develop the leadership skills needed to strategically manage a workforce in today's and future business environments.

The graduate Certificate in Human Resource Management (HRM) is being offered through the established MBA-HRM degree program. The certificate will include existing courses from the MBA-HRM program. The certificate is a fully online program for MBA degree-seeking students that want to learn more about strategically managing their employees. It will also serve as a free-standing certificate program available to non-degree seeking students who want to explore different HR topics and may or may not elect to pursue the MBA degree.

Program Learning Outcomes

1. Explain the strategic role HR plays in helping an organization achieve its goals.
2. Analyze organizational issues from an HR perspective and provide appropriate recommendations to address them.
3. Identify important challenges and opportunities in the external environment and their implications for HRM.

Program-Specific Policies

Students cannot earn both a certificate in HRM and an MBA degree with Human Resource Management concentration.

Requirements for the Graduate Certificate in Human Resource Management

The following students are eligible for the graduate level HRM certificate:

- Current UW-Parkside MBA student with any concentration except Human Resource Management

- Students with an undergraduate degree with GPA 2.75 or higher from an accredited institution AND 5 years of demonstrated relevant professional experience (resume required).
- Students with an undergraduate business degree with GPA 2.75 or higher from an accredited institution.
- Students with any master's degree from an accredited institution AND 2 years of relevant professional experience (resume required).
- Students with Master's degree in Business field from an accredited institution.

Students cannot enroll for a certificate in HRM if they have already earned a UW-Parkside MBA degree with Human Resource Management concentration.

Successful completion of the certificate requires a grade of C or better in each of the certificate courses and a certificate GPA of 3.0 or better.

Code	Title	Credits
Select four courses:		8
MBA 781	Strategic Compensation	
MBA 786	Strategic Human Resource Management	
MBA 787	Workforce Planning and Staffing	
MBA 788	Performance Management	
MBA 789	Employee Training and Development	
Total Credits		**8**

University Requirements for Graduate Certificates

Graduate certificates are designed for students at one of the following levels:

- Students who have completed a baccalaureate or higher degree from a regionally accredited institution and are enrolled for graduate credit
- Students who are enrolled simultaneously in a graduate degree program

Students must meet the admission requirements of a degree seeking or non-degree seeking graduate student to be eligible to earn a graduate certificate. At least 75% of the credits must be earned after completion of a baccalaureate or higher degree and students must attain a GPA of 3.00 within the certificate courses.

Certificate programs are designed to develop a particular expertise or set of skills. Graduate certificate programs will require a minimum of 8 graduate-level credits. For graduate certificates, at least 50% of the credits must be at the 700 level. At least 60% of the credits for the graduate certificates must be earned at UW-Parkside for program residency. Individual departments and programs may require more than 60% of the credits to be taken at UW Parkside.

Certificate programs should not be confused with certification or licensure programs which lead to certification by an outside agency.

Improving Health with Data and Policy Graduate Certificate

College: College of Natural & Health Sciences

This certificate will provide students with the critical skills needed to better identify and address health issues using a data informed strategy. Students will focus on the tools needed to collect, evaluate, and communicate health data to a variety of audiences. Students will examine how policies, regulations, and healthcare systems impact health outcomes and health equity.

Target Audience: - Individuals working in a health and wellness related field that need additional skills collecting and analyzing data.

Program Learning Outcomes

1. Demonstrate effective use of communication technologies across multiple modalities to deliver messages.
2. Assess the needs of the audience to create and deliver effective evidence-informed messaging.
3. Collect and analyze data to make informed decisions.
4. Analyze current federal, state, and local regulations and how they influence health outcomes.
5. Evaluate potential providers and the documents necessary to contract their services.
6. Apply principles of ethics and social responsibility in wellness management decisions.

Students seeking admission to the Improving Health with Data and Policy Certificate require:

- A bachelor's degree from a regionally or nationally accredited university (in any discipline).

Code	Title	Credits
Required Courses		
HWM 710	Research and Data Analysis for Wellness Managers	3
HWM 715	Professional Communications for Wellness Managers	3
HWM 755	Health Policy and Action	3
Total Credits		**9**

University Requirements for Graduate Certificates

Graduate certificates are designed for students at one of the following levels:

- Students who have completed a baccalaureate or higher degree from a regionally accredited institution and are enrolled for graduate credit
- Students who are enrolled simultaneously in a graduate degree program

Students must meet the admission requirements of a degree seeking or non-degree seeking graduate student to be eligible to earn a graduate certificate. At least 75% of the credits must be earned after completion of a baccalaureate or higher degree and students must attain a GPA of 3.00 within the certificate courses.

Certificate programs are designed to develop a particular expertise or set of skills. Graduate certificate programs will require a minimum of 8 graduate-level credits. For graduate certificates, at least 50% of the credits must be at the 700 level. At least 60% of the credits for the graduate certificates must be earned at UW-Parkside for program residency. Individual departments and programs may require more than 60% of the credits to be taken at UW Parkside.

Certificate programs should not be confused with certification or licensure programs which lead to certification by an outside agency.

IT Leadership Certificate

Department website (https://www.uwp.edu/learn/departments/computerscience/)

College: College of Business, Economics, and Computing

Organizations need leaders with deep technical understanding to apply technology solutions to business problems. The UW Graduate Certificate in IT Leadership helps you build the skills you need to step into roles such as Chief Technology Officer or Chief Information Officer. Learn the communication, finance and budgeting, and management skills you need to position yourself for success.

Program Learning Outcomes

1. Demonstrate effective organizational leadership skills.
2. Prepare, monitor and analyze technology budgets.
3. Effectively communicate with diverse stakeholders.
4. Demonstrate professional skills accounting for equity, diversity, and cultural sensitivity.
5. Address ethical issues associated with information technology.
6. Implement IT governance goals of leadership.

Requirements for the Graduate Certificate in IT Leadership

Code	Title	Credits
Required Courses		
ITM 700	Communication for IT Professionals	3
ITM 705	Leading the IT Function	3
ITM 710	Finance for IT Managers	3
Total Credits		**9**

University Requirements for Graduate Certificates

Graduate certificates are designed for students at one of the following levels:

- Students who have completed a baccalaureate or higher degree from a regionally accredited institution and are enrolled for graduate credit
- Students who are enrolled simultaneously in a graduate degree program

Students must meet the admission requirements of a degree seeking or non-degree seeking graduate student to be eligible to earn a graduate certificate. At least 75% of the credits must be earned after completion of a baccalaureate or higher degree and students must attain a GPA of 3.00 within the certificate courses.

Certificate programs are designed to develop a particular expertise or set of skills. Graduate certificate programs will require a minimum of 8 graduate-level credits. For graduate certificates, at least 50% of the credits must be at the 700 level. At least 60% of the credits for the graduate certificates must be earned at UW-Parkside for program residency. Individual departments and programs may require more than 60% of the credits to be taken at UW Parkside.

Certificate programs should not be confused with certification or licensure programs which lead to certification by an outside agency.

- Bachelor's degree with a 3.0 or higher undergraduate GPA
- Completed coursework with a "C" or better—or demonstrated sufficient knowledge—in programming (object oriented, modern language), database, and computer networking. Program academic directors have the option to waive a prerequisite based, in part, on student work experience and background. Technical certifications such as Oracle, Microsoft, IBM, AWS, Cisco, or professional experience may be used in lieu of formal coursework to demonstrate proficiency at the discretion of the academic adviser at the student's home campus. If you need to complete prerequisite coursework, please contact an enrollment advisor for details.

IT Operations Certificate

Department website (https://www.uwp.edu/learn/departments/computerscience/)

College: College of Business, Economics, and Computing

IT project management requires strong project management skills. The University of Wisconsin Graduate Certificate in IT Operations teaches you how to successfully lead and manage teams working to implement organization-driven IT solutions. Learn how to structure a team, implement tools, develop timelines and budgets, perform business analysis, and support strategic goals. This Certificate helps you build the skills you need to step into roles such as project manager, technical project manager, and senior IT project manager. Become a skilled leader in planning and implementing IT processes across organizations.

Program Learning Outcomes

1. Demonstrate effective organizational leadership skills.
2. Prepare, monitor and analyze technology budgets.
3. Assemble and manage collaborative teams.
4. Create and manage technology policies and procedures that account for\\nregulatory requirements.
5. Implement IT governance goals of leadership.
6. Analyze data to address organizational challenges and create competitive advantages.
7. Analyze technical, regulatory, and ethical requirements and propose technical solutions.

Requirements for the Graduate Certificate in IT Operations

Code	Title	Credits
Required Courses		
ITM 730	Agile and Traditional IT Project Management	3
ITM 735	Business Analysis and System Development	3
ITM 740	IT Operations	3
Total Credits		**9**

University Requirements for Graduate Certificates

Graduate certificates are designed for students at one of the following levels:

- Students who have completed a baccalaureate or higher degree from a regionally accredited institution and are enrolled for graduate credit
- Students who are enrolled simultaneously in a graduate degree program

Students must meet the admission requirements of a degree seeking or non-degree seeking graduate student to be eligible to earn a graduate certificate. At least 75% of the credits must be earned after completion of a baccalaureate or higher degree and students must attain a GPA of 3.00 within the certificate courses.

Certificate programs are designed to develop a particular expertise or set of skills. Graduate certificate programs will require a minimum of 8 graduate-level credits. For graduate certificates, at least 50% of the credits must be at the 700 level. At least 60% of the credits for the graduate certificates must be earned at UW-Parkside for program residency. Individual departments and programs may require more than 60% of the credits to be taken at UW Parkside.

Certificate programs should not be confused with certification or licensure programs which lead to certification by an outside agency.

- Bachelor's degree with a 3.0 or higher undergraduate GPA
- Completed coursework with a "C" or better—or demonstrated sufficient knowledge—in programming (object oriented, modern language), database, and computer networking. Program academic directors have the option to waive a prerequisite based, in part, on student work experience and background. Technical certifications such as Oracle, Microsoft, IBM, AWS, Cisco, or professional experience may be used in lieu of formal coursework to demonstrate proficiency at the discretion of the academic adviser at the student's home campus. If you need to complete prerequisite coursework, please contact an enrollment advisor for details.

Leadership in Health and Wellness Graduate Certificate

College: College of Natural & Health Sciences

This certificate will prepare individuals to become wellness leaders at all levels by giving them the knowledge and tools needed to effectively plan, implement and evaluate well-being initiatives. Students in this program will learn critically important skills for engaging and leading a team of stakeholders and promoting a culture of well-being in a variety of settings.

Target Audience:

- Health and wellness professionals looking to advance to a leadership role
- Human Resources or other professionals who are operating wellness programming as an added responsibility

Program Learning Outcomes

1. Utilize strategic planning approaches to advance a culture of well-being.
2. Build and lead a team of internal and external stakeholders to develop and promote a culture of well-being.
3. Forecast expenses, revenues, and trends to create and manage program budgets.
4. Justify the value of a culture of well-being as part of an organization or community.
5. Collect and analyze data to make informed decisions.
6. Apply principles of project management to lead initiatives.
7. Evaluate potential providers and the documents necessary to contract their services.
8. Apply principles of ethics and social responsibility in wellness management decisions.

Students seeking admission to the Leadership in Health and Wellness Certificate require:

- A bachelor's degree from a regionally or nationally accredited university (in any discipline).

Code	Title	Credits
Required Courses		
HWM 705	Strategic Management For Wellness Managers	3
HWM 750	Planning and Evaluation for Wellness Managers	3
HWM 770	Human and Group Behavior	3
Total Credits		**9**

University Requirements for Graduate Certificates

Graduate certificates are designed for students at one of the following levels:

- Students who have completed a baccalaureate or higher degree from a regionally accredited institution and are enrolled for graduate credit
- Students who are enrolled simultaneously in a graduate degree program

Students must meet the admission requirements of a degree seeking or non-degree seeking graduate student to be eligible to earn a graduate certificate. At least 75% of the credits must be earned after completion of a baccalaureate or higher degree and students must attain a GPA of 3.00 within the certificate courses.

Certificate programs are designed to develop a particular expertise or set of skills. Graduate certificate programs will require a minimum of 8 graduate-level credits. For graduate certificates, at least 50% of the credits must be at the 700 level. At least 60% of the credits for the graduate certificates must be earned at UW-Parkside for program residency. Individual departments and programs may require more than 60% of the credits to be taken at UW Parkside.

Certificate programs should not be confused with certification or licensure programs which lead to certification by an outside agency.

Leading FinTech Transformation Certificate

Department website (https://www.uwp.edu/learn/programs/leadingfintechtransform.cfm)

College: General

Leading FinTech Transformation certificate will prepare students to navigate the technical infrastructure of Fintech and lead and manage Fintech implementations in organizations.

Program Learning Outcomes

1. Compare and contrast different types of financial institutions and the technology-assisted processes needed to operate them.
2. Analyze and assess organizations using recognized fiscal performance measures.
3. Develop and operationalize a strategic technology plan for FinTech innovations.
4. Apply project management techniques for ongoing digital transformation in financial organizations.
5. Create digital tools to support financial analytics.

Requirements for the Graduate Certificate in Leading FinTech Transformation

Admission to the Leading FinTech Transformation Certificate requires:

- A baccalaureate degree from a regionally accredited institution
- Overall undergraduate GPA on required transcripts of at least 3.0 on a 4.0 scale

Students need to submit transcripts and a current resume. For students who do not meet the GPA requirement, a provisional admission may be made based on additional information such as a statement of purpose and/or an interview with the applicant.

Code	Title	Credits
Required Courses		
FNT 700	FinTech Essentials	3
FNT 705	FinTech Analytics	3
FNT 710	Managing FinTech Innovation	3
Total Credits		**9**

University Requirements for Graduate Certificates

Graduate certificates are designed for students at one of the following levels:

- Students who have completed a baccalaureate or higher degree from a regionally accredited institution and are enrolled for graduate credit
- Students who are enrolled simultaneously in a graduate degree program

Students must meet the admission requirements of a degree seeking or non-degree seeking graduate student to be eligible to earn a graduate certificate. At least 75% of the credits must be earned after completion of a baccalaureate or higher degree and students must attain a GPA of 3.00 within the certificate courses.

Certificate programs are designed to develop a particular expertise or set of skills. Graduate certificate programs will require a minimum of 8 graduate-level credits. For graduate certificates, at least 50% of the credits must be at the 700 level. At least 60% of the credits for the graduate certificates must be earned at UW-Parkside for program residency. Individual departments and programs may require more than 60% of the credits to be taken at UW Parkside.

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Marketing Certificate

Department website (https://www.uwp.edu/learn/programs/mbamarketingcert/)

College: College of Business, Economics, and Computing

The Graduate Level Marketing Certificate is designed for business professionals, with an undergraduate degree, to learn and develop necessary marketing skills for career advancement from entry-level to marketing management careers. The certificate is being offered through the established MBA-Marketing degree program. The certificate will include existing courses from the MBA-Marketing program.

Program Learning Outcomes

1. Students will express a high level of communication and have the ability to apply critical thinking skills, as needed by effective business professionals.
2. Students will possess leadership capacity and teamwork skills for business decision making and effective teamwork within groups.
3. Students will understand the ethical implication of business decision making and recognize and apply solutions to ethical dilemmas.
4. Students will demonstrate an understanding and core knowledge of marketing principles and apply those to marketing management decisions, while using marketing research to plan for and develop strategic marketing programs.
5. Students will demonstrate knowledge of marketing management principles as it relates to the regional and global business environment.

Program-Specific Policies

Students cannot earn both a certificate in Marketing and an MBA degree with Marketing concentration.

Requirements for the Graduate Certificate in Marketing

The following students are eligible for the graduate level Marketing certificate:

- Current UW-Parkside MBA student with any concentration except Marketing
- Students with an undergraduate degree with GPA 2.75 or higher from an accredited institution AND 5 years of relevant professional experience (resume required).
- Students with an undergraduate business degree with GPA 2.75 or higher from an accredited institution.
- Students with any Master's degree from an accredited institution AND 2 years of relevant professional experience (resume required).
- Students with Master's degree in Business field from an accredited institution.

Students cannot enroll for a certificate in Marketing if they have already earned a UW-Parkside MBA degree with Marketing concentration.

Successful completion of the certificate requires a grade of C or better in each of the certificate courses and a certificate GPA of 3.0 or better.

Code	Title	Credits
Required Course		
MBA 752	Marketing Management	2
Select three courses:		6
MBA 750	Global Marketing Management	
MBA 753	Integrated Marketing Communications	
MBA 758	Social Media Marketing	
MBA 760	Digital Marketing	
Total Credits		**8**

University Requirements for Graduate Certificates

Graduate certificates are designed for students at one of the following levels:

- Students who have completed a baccalaureate or higher degree from a regionally accredited institution and are enrolled for graduate credit
- Students who are enrolled simultaneously in a graduate degree program

Students must meet the admission requirements of a degree seeking or non-degree seeking graduate student to be eligible to earn a graduate certificate. At least 75% of the credits must be earned after completion of a baccalaureate or higher degree and students must attain a GPA of 3.00 within the certificate courses.

Certificate programs are designed to develop a particular expertise or set of skills. Graduate certificate programs will require a minimum of 8 graduate-level credits. For graduate certificates, at least 50% of the credits must be at the 700 level. At least 60% of the credits for the graduate certificates must be earned at UW-Parkside for program residency. Individual departments and programs may require more than 60% of the credits to be taken at UW Parkside.

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Project Management Certificate

Department website (https://www.uwp.edu/learn/programs/mbaprojectmgmtcert/)

College: College of Business, Economics, and Computing

There is a growing industry demand for qualified project management professionals in a range of sectors within the United States and globally. This Graduate Certificate in Project Management (PM) is designed for those wishing to formalize their Project Management knowledge and advance their careers in Project Management. Through four different courses, students will be exposed to the Project Management discipline from an academic and practice standpoint. Students will also learn how to critically apply technical, managerial, and interpersonal skills that optimize the successful delivery of projects.

The graduate Certificate in Project Management (PM) is being offered through the established MBA-Program and Project Management (PPM) concentration degree program. The certificate will include existing courses from the MBA-PPM program. This certificate differs from the undergraduate-level Project Management certificate in terms of expected knowledge, experience, managerial role, and level of problem-solving. The courses and textbooks used are different at the graduate and undergraduate levels.

Program Learning Outcomes

1. Critically analyze the impact of leadership and change in the context of project management.
2. Appraise resource scheduling and budgetary allocation requirements within project environments.
3. Critically evaluate the major concepts and principles of different project management methodologies.
4. Investigate factors (individual, group and organizational) required to develop and lead high performing project teams.

Program-Specific Policies

Students cannot earn both a certificate in Project Management and an MBA degree with Project Management concentration.

Requirements for the Graduate Certificate in Project Management

The following students are eligible for the graduate level Project Management certificate:

- Current UW-Parkside MBA student with any concentration except Program and Project Management.
- Students with an undergraduate degree with GPA 2.75 or higher from an accredited institution AND 5 years of relevant professional experience (resume required).
- Students with an undergraduate business degree with GPA 2.75 or higher from an accredited institution.
- Students with any Master's degree from an accredited institution AND 2 years of relevant professional experience (resume required).
- Students with Master's degree in Business field from an accredited institution.

Students cannot enroll for a certificate in Project Management if they have already earned a UW-Parkside MBA degree with Program and Project Management concentration.

Successful completion of the certificate requires a grade of C or better in each of the certificate courses and a certificate GPA of 3.0 or better.

Code	Title	Credits
Required Courses		
MBA 771	Agile and Waterfall Project Management	2
MBA 773	Resource Management and Budgeting	2
MBA 774	Project Leadership and Change Management	2
MBA 775	Team Building and Communications in Projects	2
Total Credits		**8**

University Requirements for Graduate Certificates

Graduate certificates are designed for students at one of the following levels:

- Students who have completed a baccalaureate or higher degree from a regionally accredited institution and are enrolled for graduate credit

- Students who are enrolled simultaneously in a graduate degree program

Students must meet the admission requirements of a degree seeking or non-degree seeking graduate student to be eligible to earn a graduate certificate. At least 75% of the credits must be earned after completion of a baccalaureate or higher degree and students must attain a GPA of 3.00 within the certificate courses.

Certificate programs are designed to develop a particular expertise or set of skills. Graduate certificate programs will require a minimum of 8 graduate-level credits. For graduate certificates, at least 50% of the credits must be at the 700 level. At least 60% of the credits for the graduate certificates must be earned at UW-Parkside for program residency. Individual departments and programs may require more than 60% of the credits to be taken at UW Parkside.

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Senior Living and Services Leadership Certificate

Department website (https://www.uwp.edu/learn/programs/seniorlivingservicesleadership.cfm)

College: College of Natural & Health Sciences

This program is a collaborative online Master of Science in Healthcare Administration degree program offered jointly by UW-Parkside, UW-Stout, UW-Stevens Point, UW-Lacrosse, UW-Platteville with administrative and financial support from UW-Extension. This online M.S. in Healthcare Administration programs focuses primarily on adult and nontraditional students who hold an undergraduate degree and have the desire to continue their education to achieve a graduate degree.

The program is fully online and designed to provide a foundation for entry and advancement for professionals who are seeking management positions in the healthcare industry. The program's multidisciplinary curriculum balances theory with real-world applications relevant to the current field and draws primarily from the following academic disciplines: healthcare, public health, information technology, business and communications. The M.S. in Healthcare Administration represents a fully online degree geared toward working professionals seeking to obtain advanced-level competencies in the areas of healthcare leadership, management, marketing, communications, law and policy, and quality and performance improvement.

Goals of the Program

The University of Wisconsin Master of Science in Healthcare Administration (http://healthcareadministration.wisconsin.edu/) program prepares patient-care professionals, hospital administration, or current management professionals to help accomplish the triple aim of improving access to care, impacting the quality of care, and reducing the overall cost of care in a variety of settings.

Program Learning Outcomes

1. Demonstrate professional communication and interpersonal skills appropriate for a healthcare setting.
2. Demonstrate strategic leadership and decision-making skills necessary in healthcare.
3. Evaluate operational performance across diverse healthcare organizations.
4. Develop strategies to recruit, train, and retain an effective healthcare workforce.
5. Evaluate financial strategies and techniques to meet healthcare organizational needs and goals.

Requirements for the Graduate Certificate in Senior Living and Services Leadership

To complete the Certificate in Senior Living and Service Leadership students must satisfy all certificate requirements for their home institutions and have an overall grade point average of 3.0.

Program completion requirements are consistent with those of the other collaborative degree-granting institutions offering this program. Students progressing towards the completion of their program must earn a minimum grade of a 2.0 in any class in order for them to count towards their program.

Code	Title	Credits
Required Courses		
HCA 701	Senior Care and Services Systems	3
HCA 702	Leadership Practices across the Senior Care Continuum	3
HCA 720	Healthcare Financial Management	3
HCA 730	Human Capital Management in Healthcare	3
Total Credits		**12**

University Requirements for Graduate Certificates

Graduate certificates are designed for students at one of the following levels:

- Students who have completed a baccalaureate or higher degree from a regionally accredited institution and are enrolled for graduate credit
- Students who are enrolled simultaneously in a graduate degree program

Students must meet the admission requirements of a degree seeking or non-degree seeking graduate student to be eligible to earn a graduate certificate. At least 75% of the credits must be earned after completion of a baccalaureate or higher degree and students must attain a GPA of 3.00 within the certificate courses.

Certificate programs are designed to develop a particular expertise or set of skills. Graduate certificate programs will require a minimum of 8 graduate-level credits. For graduate certificates, at least 50% of the credits must be at the 700 level. At least 60% of the credits for the graduate certificates must be earned at UW-Parkside for program residency. Individual departments and programs may require more than 60% of the credits to be taken at UW Parkside.

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Admission to the Master of Science in Health Care Administration requires:

- Bachelors degree in any discipline from an accredited University/ College
- Prerequisite coursework in Elementary Statistics, Medical Terminology, and Oral Communication or Speech,
- Employment résumé,
- Two letters of recommendation,
- A personal statement of not more than 1000 words.

Admission exams, such as the GRE or the GMAT, are not required.

To be eligible for admission in full standing for the Certificate in Senior Living and Services Leadership, a student must have an overall undergraduate grade point average of 3.00. Students who do not qualify for admission in full standing may be admitted on a trial enrollment justified by the admitting department and approved by the Academic Director. Students are allowed seven years from the date of admission into the program to complete requirements; extensions may be granted for extenuating circumstances.

Program entrance requirements are consistent with those of the other collaborative degree-granting institutions offering this program.

Applicants should follow the instructions found in the Online Admission Policies and Procedures section of this catalog.

Smart City Policy and Civic Partnerships Certificate

Department website (https://www.uwp.edu/learn/programs/smartcitygradcert.cfm)

College: College of Social Sciences & Professional Studies

The Smart City Policy and Management program explores business models, technology and best practices for turning a smart city plan into reality. A smart city uses information and communication technologies to increase operational efficiency, share information with the public and improve both the quality of government services and citizen welfare. The challenge to the public sector is to ensure that the needs of the new development surge can be met and supported, and ensuring that local residents are able to participate in, and benefit from, the new economy. Areas of regional and community needs that will be explored include transportation planning, infrastructure, education, security, politics, health/welfare, economy, and the environment. This is a pivotal point for industry and communities, one that presents a qualitative change in how urban environments are created and sustained.

Students who complete courses in this certificate program and are later admitted to the MAPS degree program will be able to use the credits earned in the certificate program toward the degree.

Program Learning Outcomes

1. Acquire the breadth and application of interdisciplinary knowledge supporting smart cities across new technologies, social sciences and management disciplines.
2. Develop an attitude of innovation, creativity, and curiosity demonstrated through active questioning, discussion, and the acceptance of new ideas.
3. Understand the benefits and challenges of partnerships for smart city initiatives.
4. Understand the conceptual framework for the formation and management of P3.
5. Develop a holistic and system-level perspective on smart sustainable cities that takes an integrative approach towards complex problems leveraging Big Data analytics and strategies related to planning, and public policy.
6. Access, use, and manage information towards identifying and solving public challenges.
7. Practice collaborative skills and decentralized (parallel) decision making.

Requirements for the Graduate Certificate in Smart City Policy and Civic Partnerships

Code	Title	Credits
Required Courses		
MAPS 640	Smart Cities & Communities	3
MAPS 741	Smart Policy-Making	3
MAPS 742	Public Private Partnerships	3
MAPS 743	Civic Technology	3
MAPS 744	Human Machine Interface	3
Total Credits		**15**

University Requirements for Graduate Certificates

Graduate certificates are designed for students at one of the following levels:

- Students who have completed a baccalaureate or higher degree from a regionally accredited institution and are enrolled for graduate credit
- Students who are enrolled simultaneously in a graduate degree program

Students must meet the admission requirements of a degree seeking or non-degree seeking graduate student to be eligible to earn a graduate certificate. At least 75% of the credits must be earned after completion of a baccalaureate or higher degree and students must attain a GPA of 3.00 within the certificate courses.

Certificate programs are designed to develop a particular expertise or set of skills. Graduate certificate programs will require a minimum of 8 graduate-level credits. For graduate certificates, at least 50% of the credits must be at the 700 level. At least 60% of the credits for the graduate certificates must be earned at UW-Parkside for program residency. Individual departments and programs may require more than 60% of the credits to be taken at UW Parkside.

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Sport Management Sustainability Certificate

College: College of Natural & Health Sciences

Requirements for the Graduate Certificate in Sport Management Sustainability

Admission requirements include a Bachelor's degree and a 3.0 undergraduate GPA.

Code	Title	Credits
MSSM 539	Sustainable Sport Management	3
MSSM 712	Social and International Issues in 21st Century Sports (Same As MSSM 670)	3
SMGT 750	The Built Environment	3
SMGT 770	Leading Sustainable Organizations	3
or SMGT 780	Corporate and Social Responsibility	
Total Credits		**12**

University Requirements for Graduate Certificates

Graduate certificates are designed for students at one of the following levels:

- Students who have completed a baccalaureate or higher degree from a regionally accredited institution and are enrolled for graduate credit
- Students who are enrolled simultaneously in a graduate degree program

Students must meet the admission requirements of a degree seeking or non-degree seeking graduate student to be eligible to earn a graduate certificate. At least 75% of the credits must be earned after completion of a baccalaureate or higher degree and students must attain a GPA of 3.00 within the certificate courses.

Certificate programs are designed to develop a particular expertise or set of skills. Graduate certificate programs will require a minimum of 8 graduate-level credits. For graduate certificates, at least 50% of the credits must be at the 700 level. At least 60% of the credits for the graduate certificates must be earned at UW-Parkside for program residency. Individual departments and programs may require more than 60% of the credits to be taken at UW Parkside.

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Sports Communication Certificate

College: College of Arts & Humanities

The graduate certificate in sports communication combines foundational communication skills with an in-depth understanding of the sports industry. Graduates will be better equipped to communicate strategically and ethically to diverse audiences, create messages in various formats (i.e., oral, written, digital), and provide leadership in sports organizations.

Program Learning Outcomes

1. Develop and deliver professional, audience-centered messages for the sports industry through advanced oral, written, and visual communication
2. Enact inclusive leadership skills
3. Facilitate constructive communication for sports organizations
4. Demonstrate effective management skills including in legal, financial, ethical, and organizational areas
5. Embody critical, diverse perspectives
6. Demonstrate the ability to utilize the skills, knowledge and competencies illustrated above in sports settings

Requirements for the Graduate Certificate in Sports Communication

For admission into the sports communication graduate certificate program, you must:

- Hold a bachelor's degree from an accredited institution.
- Write a 500-word statement about why you would like to enter the program.

A minimum cumulative grade point average of 3.00 is required to graduate with a graduate certificate in sports Communication.

The program consists of 15 credits, delivered online in 7-week module formats.

Code	Title	Credits
Required Courses		
COMM 703	Professional Communication	3
COMM 750	Digital Media Production	3
or COMM 770	Enacting Leadership	
MSSM 560	Sports Communication	3
MSSM 565	Sports Broadcasting	3
or MSSM 791	Current Issues in Sport Management Seminar	
Capstone Course		
COMM 794	Professional Communication Internship	3
or MSSM 794	Sport Management Internship	
Total Credits		**15**

University Requirements for Graduate Certificates

Graduate certificates are designed for students at one of the following levels:

- Students who have completed a baccalaureate or higher degree from a regionally accredited institution and are enrolled for graduate credit
- Students who are enrolled simultaneously in a graduate degree program

Students must meet the admission requirements of a degree seeking or non-degree seeking graduate student to be eligible to earn a graduate certificate. At least 75% of the credits must be earned after completion of a baccalaureate or higher degree and students must attain a GPA of 3.00 within the certificate courses.

Certificate programs are designed to develop a particular expertise or set of skills. Graduate certificate programs will require a minimum of 8 graduate-level credits. For graduate certificates, at least 50% of the credits must be at the 700 level. At least 60% of the credits for the graduate certificates must be earned at UW-Parkside for program residency. Individual departments and programs may require more than 60% of the credits to be taken at UW Parkside.

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Supply Chain Management Certificate

Department website (https://www.uwp.edu/learn/programs/mbasupplychainmgmtcert/)

College: College of Business, Economics, and Computing

Recent years have seen an increased visibility of supply chain management practices, processes and shortcomings. Businesses and corporate executives are looking to formalize and enhance their knowledge in the area of SCM. The proposed certificate in Supply Chain Management (SCM) reconciles these interests and aims to deliver cutting-edge skills to students. The certificate provides a foundation in the core SCM concepts such as procurement, global supply chains, transportation and warehousing. Furthermore, it explores advanced and contemporary concepts such as supply chain analytics, sustainability, strategic sourcing, disaster resilience, and recovery.

The graduate Certificate in Supply Chain Management (SCM) is being offered through the established MBA-SCM degree program. The certificate will include existing courses from the MBA-SCM program. This certificate differs from the undergraduate level Supply Chain Management, Logistics, and Analytics (SCMLA) certificate in terms of expected knowledge, experience, managerial role, and level of problem solving. Courses and textbooks used are different at the graduate and undergraduate levels.

Program Learning Outcomes

1. Demonstrate understanding of in supply chain networks, sourcing, procurement, and warehousing.
2. Explain the benefits and challenges of global supply chains.
3. Outline sustainable distribution and logistics which are resilient to disaster.
4. Apply spent and price management and use information technology in digital supply chains.
5. Apply supply chain analytics for a variety of SCM applications.

Program-Specific Policies

Students cannot earn a certificate in Supply Chain Management if they have already earned a UW-Parkside MBA degree with Supply Chain Management concentration.

Requirements for the Graduate Certificate in Supply Chain Management

The following students are eligible for the graduate-level Supply Chain Management certificate:

- Current UW-Parkside MBA student with any concentration except Supply Chain Management.
- Students with an undergraduate degree with a GPA 2.75 or higher from an accredited institution **and** 5 years of relevant professional experience (resume required).
- Students with an undergraduate business degree with GPA 2.75 or higher from an accredited institution.
- Students with any Master's degree from an accredited institution AND 2 years of relevant professional experience (resume required).
- Students with a Master's degree in the Business field from an accredited institution.

Students cannot enroll for a certificate in Supply Chain Management if they have already earned a UW-Parkside MBA degree with Supply Chain Management concentration.

Successful completion of the certificate requires a grade of C or better in each of the certificate courses and a certificate GPA of 3.0 or better.

Code	Title	Credits
Required Courses		
MBA 718	Global Supply Chain Management	2
MBA 762	Supply Chain Analytics	2
MBA 764	Strategic Sourcing in Digital Supply Chains	2
MBA 765	Sustainable Logistics and Disaster Management	2
Total Credits		**8**

University Requirements for Graduate Certificates

Graduate certificates are designed for students at one of the following levels:

- Students who have completed a baccalaureate or higher degree from a regionally accredited institution and are enrolled for graduate credit
- Students who are enrolled simultaneously in a graduate degree program

Students must meet the admission requirements of a degree seeking or non-degree seeking graduate student to be eligible to earn a graduate certificate. At least 75% of the credits must be earned after completion of a baccalaureate or higher degree and students must attain a GPA of 3.00 within the certificate courses.

Certificate programs are designed to develop a particular expertise or set of skills. Graduate certificate programs will require a minimum of 8 graduate-level credits. For graduate certificates, at least 50% of the credits must be at the 700 level. At least 60% of the credits for the graduate certificates must be earned at UW-Parkside for program residency. Individual departments and programs may require more than 60% of the credits to be taken at UW Parkside.

Certificate programs should not be confused with certification or licensure programs which lead to certification by an outside agency.

Sustainability and Well-being Certificate

Department website (https://www.uwp.edu/learn/programs/sustainabilitywellbeing.cfm)

College: College of Natural & Health Sciences

The Graduate Certificate in Sustainability and Well-being is a fully online degree program offered collaboratively by UW-Parkside, UW-Green Bay, UW-Superior, and UW-Extended campus. This online certificate focuses primarily on adult and nontraditional students who hold an undergraduate degree and have the desire to continue their education. This all online certificate is focused on the principles of sustainability

related to workplace well-being. Students will learn the fundamentals of sustainability and well-being, behavior and development of organizations, and principles of corporate social responsibility through four courses.

Program Learning Outcomes

1. Students will be able to incorporate appropriate principles of sustainability related to well-being.
2. Students will be able to plan for a culture of wellbeing through organizational development and management of sustainability and well-being initiatives.
3. Students will be able to engage and lead sustainability and well-being initiatives at organizational, local, national, and global levels.
4. Students will be able to solve complex sustainability and well-being problems with a systems thinking approach.
5. Students will be able to construct effective communication methods for diverse audiences

Requirements for the Graduate Certificate in Sustainability and Well-being

Students must hold a bachelor's degree from an accredited institution and provide transcripts from all accredited institutions previously attended. Admissions will occur on a rolling basis with new applicants able to start the program during each of the academic terms: fall, spring, and summer. Please visit the website link on the OVERVIEW tab for more information.

Code	Title	Credits
Required Courses		
HWM 700	Contemporary Health and Wellness Perspectives	3
HWM 770	Human and Group Behavior	3
SMGT 750	The Built Environment	3
SMGT 780	Corporate and Social Responsibility	3
Total Credits		**12**

University Requirements for Graduate Certificates

Graduate certificates are designed for students at one of the following levels:

- Students who have completed a baccalaureate or higher degree from a regionally accredited institution and are enrolled for graduate credit
- Students who are enrolled simultaneously in a graduate degree program

Students must meet the admission requirements of a degree seeking or non-degree seeking graduate student to be eligible to earn a graduate certificate. At least 75% of the credits must be earned after completion of a baccalaureate or higher degree and students must attain a GPA of 3.00 within the certificate courses.

Certificate programs are designed to develop a particular expertise or set of skills. Graduate certificate programs will require a minimum of 8 graduate-level credits. For graduate certificates, at least 50% of the credits must be at the 700 level. At least 60% of the credits for the graduate certificates must be earned at UW-Parkside for program residency. Individual departments and programs may require more than 60% of the credits to be taken at UW Parkside.

Certificate programs should not be confused with certification or licensure programs which lead to certification by an outside agency.

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Accounting (ACCT)

ACCT 201 | Financial Accounting | 3 cr
Introduces financial accounting emphasizing basic concepts and procedures in accumulating, measuring, and communicating financial information. Includes preparation, analysis and interpretation of financial statements.
Prerequisites: MATH 104 or MATH 111.
Offered: Fall, Spring, Summer.

ACCT 202 | Managerial Accounting | 3 cr
Identifies relevant accounting and financial information for managerial decisions. Analyzes product costing, pricing, capital budgeting, profit planning, performance reporting and variance analysis.
Prerequisites: ACCT 201, ECON 120, QM 210, Microsoft Excel knowledge.
Offered: Fall, Spring.

ACCT 301 | Intermediate Accounting I | 3 cr
Examines income statements and balance sheets with in-depth study of accounting for assets, liabilities, and owners' equity.
Prerequisites: ACCT 201, FIN 330 or concurrent registration; completion of 54 credits; business major/minor.
Offered: Fall, Spring.

ACCT 302 | Intermediate Accounting II | 3 cr
Covers accounting for pensions, leases, income taxes, changing prices, as well as the statement of cash flows, revenue recognition, and accounting changes and error analysis.
Prerequisites: ACCT 301.
Offered: Spring.

ACCT 305 | Individual Taxation | 3 cr
Examination of the U.S. federal income tax law pertaining to individuals, including business and investment activities.
Prerequisites: ACCT 201; completion of a minimum of 54 credits, business major/minor.
Offered: Fall.

ACCT 306 | Business Taxation | 3 cr
Examines the U.S. federal income tax law pertaining to corporations, partnerships, estates and trusts.
Prerequisites: ACCT 305; business major/minor.
Offered: Spring.

ACCT 400 | Advanced Accounting | 3 cr
Applies accounting principles and procedures to business combinations, foreign operations and transactions, governmental and nonprofit organizations and partnerships.
Prerequisites: ACCT 302; business major/minor.
Offered: Fall.

ACCT 402 | Accounting Information Systems | 3 cr
Covers fundamental concepts and practical applications of designing AIS in modern business environments, including data collection, processing, internal controls, and emerging technologies.
Prerequisites: ACCT 301 and MIS 320.
Offered: Spring.

ACCT 403 | Advanced Cost Accounting | 3 cr
Examines cost information for management planning and control. Includes capital budgeting, project appraisal, marketing cost effectiveness, segment reporting, transfer pricing, measuring divisional performance and profit analysis.
Prerequisites: ACCT 202; completion of a minimum of 54 credits, business major/minor.
Offered: Fall.

ACCT 404 | Auditing | 3 cr
Delves into auditing of financial statements and internal control. Emphasizes AICPA standards, audit reports, audit evidence including sampling, EDP auditing, professional ethics, and accountant's legal liability.
Prerequisites: ACCT 301, business major/minor.
Offered: Fall, Spring.

ACCT 405 | Volunteer Income Tax Assistance (VITA) | 1 cr
Provides opportunity to participate in VITA, a volunteer program administered by the Internal Revenue Service. Includes preparing income tax returns and provides other tax assistance for low income, elderly, and other individuals requiring income tax assistance at public sites in the Racine and Kenosha area. Credit/No Credit grading basis.
Prerequisites: ACCT 305, business major/minor.
Offered: Occasionally.

ACCT 490 | Special Topics in Accounting | 1-3 cr
Selected topics in accounting. Subject varies; see current course schedule.
Prerequisites: Dependent on subject matter; junior standing, business major or minor.
Offered: Occasionally.

ACCT 494 | Internship | 1-3 cr
Designed to provide actual or quasi on-the-job learning experiences in which a student works with a single sponsoring organization in either the public or private sector under the supervision of a faculty member. Credit/no-credit grading basis.
Prerequisites: As provided in guidelines and policies available in Business Department; consent of instructor; department chair.
Offered: Fall, Spring, Summer.

ACCT 499 | Independent Study | 1-3 cr
Designed to provide qualified students with an opportunity to conduct research projects in an appropriate area of accounting under the supervision of a faculty member. Six hours credit maximum.
Prerequisites: As provided in guidelines and policies available in Business Department; consent of instructor; department chair.
Offered: Fall, Spring, Summer.

Anthropology (ANTH)

ANTH 100 | Introduction to Anthropology | 3 cr
Introduces the four fields in anthropology: biological anthropology, archaeology, cultural anthropology, and linguistic anthropology as well as an overview of applied anthropology.
Prerequisites: None.
Offered: Fall, Spring, Summer.
Meets: Social & Behavioral Science: ANTH, Social & Behavioral Science: ANTH, Social & Behavioral Science: ANTH, Social & Behavioral Science: ANTH, Social & Behavioral Science: ANTH

ANTH 200 | Cultural Anthropology | 3 cr
Introduces cross-cultural analysis of social structures and cultural systems, as well as changes due to economic, political and cultural globalization. Cross-listed with: INTS 210.
Prerequisites: None.
Offered: Fall.
Meets: Social & Behavioral Science: INTS, Social & Behavioral Science: INTS, Social & Behavioral Science: INTS, Social & Behavioral Science: INTS, Social & Behavioral Science: INTS

ANTH 201 | Introduction to Archaeology | 3 cr
Digs into concepts and methods for the scientific study of prehistoric cultures, including field methods, laboratory analysis, archaeological theory, and major trends in world prehistory and historical archaeology.
Prerequisites: None.
Offered: Fall, Spring.
Meets: Social & Behavioral Science: ANTH, Social & Behavioral Science: ANTH, Social & Behavioral Science: ANTH, Social & Behavioral Science: ANTH, Social & Behavioral Science: ANTH

ANTH 202 | Human Evolution | 3 cr
Analyzes the fossil evidence for human evolution. Explores modern human genetics, evolutionary theory, and biological variation within the human species.
Prerequisites: ANTH 100 or GEOG 100 or GEOG 105 or SOCA 101.
Offered: Fall.
Meets: Natural Science: ANTH, Natural Science: ANTH, Natural Science: ANTH, Natural Science: ANTH, Natural Science: ANTH

ANTH 227 | North American Indians | 3 cr
Surveys American Indian peoples of the United States and Canada focusing on various aspects of culture, history and recent culture change. Cross-listed with: SOCA 227.
Prerequisites: ANTH 100 or SOCA 101.
Offered: Fall (even years).
Meets: Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity

ANTH 228 | Peoples of Southeast Asia | 3 cr
Introduces the peoples and culture of Southeast Asia, including the mainland and islands; focuses on cultures, history, socioeconomic conditions, and the everyday life of people. Cross-listed with: INTS 228.
Prerequisites: ANTH 100 or GEOG 105 or INTS 100.
Offered: Spring.

ANTH 290 | Special Topics in Anthropology | 3 cr
Explores special topics in anthropology.
Prerequisites: ANTH 100.
Offered: Occasionally.

ANTH 300 | Topics in Data Collection and Analysis: | 3 cr
Develops skills in specific methods of data collection and analysis in anthropology. Topics will vary. May be repeated with a different topic.
Prerequisites: ANTH 100 or SOCA 101.
Offered: Fall, Spring, Summer.

ANTH 302 | Anthropological Theory | 3 cr
Examines historical and contemporary theories in social and cultural anthropology, application of theories in current research and explanation of people's cultures and relationships.
Prerequisites: ANTH 100 or SOCA 101; and junior standing.
Offered: Spring (even years).

ANTH 310 | Forensic Anthropology | 3 cr
Investigates human osteology involving the identification of human skeletal remains for legal and scientific purposes; including establishing age, sex, biological background, stature, trauma, abnormalities of growth, and details of health and nutritional history. Lecture/lab.
Prerequisites: ANTH 202.
Offered: Spring (odd years).

ANTH 312 | Anthropology of Language | 3 cr
Introduces concepts of linguistics and communication used in anthropology, including phonemics, historical linguistics, language acquisition, cognition, how meaning is formed through linguistic interactions, and modes of communication in different social settings.
Prerequisites: ANTH 100 or ANTH 202 or GEOG 105.
Offered: Fall (even years).

ANTH 320 | Heritage and Tourism | 3 cr
Examines heritage, the study of the past in the present, through examples from archaeology, socio-cultural anthropology, and tourism.
Prerequisites: ANTH 100.
Offered: Fall (odd years).

ANTH 327 | Archaeology of North America | 3 cr
Examines evidence for human migration to the New World and subsequent cultural developments in all major regions of North America north of Mexico.
Prerequisites: ANTH 100 or ANTH 201.
Offered: Spring (even years).

ANTH 357 | Livelihoods, Exchange, and Globalization | 3 cr
Analyzes comparative economic organizations emphasizing non-state societies from cross-cultural perspective. Emphasizes exchange, diverse ways of making a living, and economic change with colonialism and globalization.
Prerequisites: ANTH 100 or GEOG 105 or SOCA 101.
Offered: Spring (even years).

ANTH 362 | Migration and Immigration | 3 cr
Examines migration and immigration as major processes of change in the United States and internationally, focusing on migrant communities, social networks, and work activities. Cross-listed with: SOCA 362.
Prerequisites: ANTH 100 or SOCA 101.
Offered: Spring (even years).

ANTH 382 | Environmental Anthropology | 3 cr
Examines anthropological human/environmental relations. Discusses ecological concepts and processes in relation to past and present human life, in simple and complex societies. Focuses on anthropological perspectives on current environmental problems as aspects of the cultural adaptation to natural and social environments.
Prerequisites: ANTH 100 or GEOG 108 or ENVS 101.
Offered: Spring (even years).

ANTH 390 | Special Topics in Anthropology | 3 cr
Examines special topics in anthropology.
Prerequisites: ANTH 100.
Offered: Occasionally.

ANTH 402 | Advanced Human Evolution | 3 cr
Develops advanced knowledge of evolutionary science specific to Homo sapiens and our immediate ancestors. Applies this understanding to modern-day people and issues.
Prerequisites: ANTH 202.
Offered: Spring.

ANTH 405 | Forensic and Mortuary Archaeology | 3 cr
Explores methods and theories in bioarchaeology. Examines the relationship of bioarchaeology to forensic anthropology and archaeology. Introduces students to new and emerging ways of conceptualizing bioarchaeological investigations and studies. Examines cross cultural funerary practices.
Prerequisites: ANTH 100; and ANTH 201 recommended.
Offered: Fall.

ANTH 455 | International Development and Change | 3 cr
Analyzes comparative social change and international development, focusing on theories of change, the role of development agencies, and case studies of development projects. Cross-listed with: SOCA 455.
Prerequisites: 6 credits of upper-level anthropology or sociology courses.
Offered: Occasionally.

ANTH 490 | Special Topics in Anthropology | 1-3 cr
Delves into special topics in anthropology.
Prerequisites: ANTH 100; 6 credits of upper-level anthropology.
Offered: Occasionally.

ANTH 491 | Anthropology Fieldwork | 1-10 cr
Provides field research experience with faculty supervision.
Prerequisites: ANTH 100; consent of instructor and department chair.
Offered: Fall, Spring, Summer.

ANTH 494 | Internship in Anthropology | 1-4 cr
Provides opportunities for community experience emphasizing practical application of anthropology in suitable settings.
Prerequisites: ANTH 100, junior standing; consent of instructor and department chair.
Offered: Occasionally.

ANTH 499 | Independent Study | 1-4 cr
Provides opportunity for independent work on specific problems in anthropology, under faculty supervision.
Prerequisites: ANTH 100, junior standing; and consent of instructor and department chair.
Offered: Occasionally.

Applied Biotechnology (ABT)

ABT 700 | Principles of Biotechnology | 3 cr
Introduction to basic principles and techniques pertaining to biotechnology and its applications to our society. Survey of classical and emerging techniques.
Prerequisites: None.
Offered: Fall, Spring, Summer.

ABT 705 | Ethics, Safety and Regulatory Environment in Biotechnology | 3 cr
Ethical and safety concerns in development, production, funding, and application of biotechnology. Analysis of socioeconomic impacts. Understanding the importance of data integrity. Overview of risk assessment and management in a regulatory environment designed to ensure safety of workers, study subjects, and patients, and protect intellectual property, data, and the environment.
Prerequisites: None.
Offered: Fall, Spring, Summer.

ABT 710 | Professional and Technical Communication in Biotechnology | 3 cr
Application and analysis of professional scientific communication, both written and oral. Focuses on designing documents that convey complex, data-rich technical and scientific content to audiences with diverse information needs using a variety of professional genres, including reports, proposals, presentation, and documentation.
Prerequisites: None.
Offered: Fall, Spring, Summer.

ABT 715 | Techniques in Biotechnology | 3 cr
Application of biological and chemical methods to modern biotechnological product development. Overview of analysis techniques used to characterize products and evaluate quality and safety. Exploration of technological pipeline from conception to market, including proof-of-concept assessment, pre-clinical trials, clinical trials and post-production testing.
Prerequisites: ABT 700.
Offered: Fall, Spring, Summer.

ABT 720 | Experimental Design and Analysis in Biotechnology | 3 cr
Principles of descriptive and inferential statistics with applications in biotechnology including experimental design, quantitative data analysis, and bioinformatic evaluation of complex molecular and biological data sets.
Prerequisites: Admission to the Applied Biotechnology graduate degree program or admission to the Applied Bioinformatics certificate.
Offered: Fall, Spring, Summer.

ABT 725 | Leadership in Organizations | 3 cr
Focuses on strategies and tools that managers use to maximize employee contribution and create organizational excellence. Basic business and leadership principles. Best practices to overcome biases that inhibit organizations and teams from communicating effectively. Examples will come from diverse biotechnology fields, including pharmaceutics, agriculture, and biotechnology services.
Prerequisites: None.
Offered: Fall, Spring, Summer.

ABT 730 | Python for Bioinformatics | 3 cr
Introduces diverse strategies for computational analysis of macromolecular data using Python including sequence alignment, genome annotation, data retrieval form databases, phylogenetic analysis, and molecular evolution. Experiential learning is emphasized; confidence in practical skills is developed through persistent application of course content to projects focused on current problems in bioinformatic research.
Prerequisites: Admission to the applied bioinformatics certificate.
Offered: Fall, Spring, Summer.

ABT 735 | Quality Control and Validation | 3 cr
Focuses on the importance of quality control and validation in biotechnology product design, development, and manufacturing. Explores quality systems and documentation, global quality standards, and methods for assessing validation including installation, operational, and performance qualifications. Overviews bio-manufacturing processes, automation, and cGLP/cGMP practices necessary to meet quality standards.
Prerequisites: ABT 700, ABT 705, ABT 710.
Offered: Yearly.

ABT 740 | Regulatory Practice and Compliance | 3 cr
Identifies and examines the key regulatory agencies and practices that govern the highly regulated and diverse biotechnology industry, both domestically and internationally. Highlights current and emerging FDA and ICH regulations and guidance documents to successfully navigate meeting with agencies and to submit required documentation for successful product development.
Prerequisites: ABT 700, ABT 705, ABT 710.
Offered: Yearly.

ABT 745 | Industrial Applications in Regulatory Affairs | 3 cr
Examines the global regulatory environments in risk-based assessment of biotechnological developments across diverse sectors, ensuring consumer and environmental protection. Addresses how validation is essential to the incorporation of emerging technologies into viable, accessible, and successful products. Highlights the stakeholders' role in regulatory oversight and policy through relevant industry case studies.
Prerequisites: ABT 700, ABT 705, ABT 710.
Offered: Yearly.

ABT 750 | Biotechnology Marketing and Entrepreneurship | 3 cr
Examines marketing case studies in diverse areas of biotechnology. Addresses marketing fundamentals and strategies, communicating value proposition strategy, ethical and regulatory concerns, startup strategies, pharmaceutical marketing, b2b marketing, salesforce development, branding, and promotion. Culminates with the creation of a marketing plan/analysis.
Prerequisites: None.
Offered: Yearly.

ABT 755 | Global Operations and Supply Chain Management | 3 cr
Focuses on the strategic importance of the supply chain to overall performance relevant to a variety of business processes specific to biotechnology. Topics include life cycle analysis, corporate social responsibility, production, transportation, distribution systems, sourcing, and purchasing.
Prerequisites: None.
Offered: Yearly.

ABT 760 | Quality and Project Management | 3 cr
Quality and project management issues and roles during different phases from R&D to market. Introduction to installation qualification, operation qualification and process qualification (IQ/OQ/PQ). Project management phases: conceptualizing, planning, executing and closing. Project schedule and time management tools and techniques. Project requirements including quality assurance.
Prerequisites: ABT 720, ABT 725.
Offered: Yearly.

ABT 765 | Assessing Innovation in Biotechnology | 3 cr
A survey of biotechnology assessments in areas such as regenerative medicine, agricultural biotechnology, and bioremediation. Course links disciplines with the critical evaluative role played by scientific discovery, market valuation, intellectual property, freedom-to-operate (FTO), and licensing strategy by assessing the role each played in the commercialization of a specific technology.
Prerequisites: ABT 700.
Offered: Yearly.

ABT 770 | Product Development | 3 cr
Explores strategies in evaluation and implementing new technologies or products in the context of different bioindustries. Identifies considerations in product valuation, feasibility of production, scalability, and supply chain management. Models the process of business growth and innovation through integration of emerging technologies.
Prerequisites: ABT 700, ABT 715.
Offered: Yearly.

ABT 775 | Tools for Data Analysis | 3 cr
Using a variety of existing and emerging bioinformatics tools and computational methods, emphasizes hands-on experiences analyzing and interpreting large data sets (e.g. genomic, proteomic, microbiomics, target discovery). Students will also evaluate and adapt existing computational approaches for specific use in solving a problem in biotechnology.
Prerequisites: ABT 705, ABT 715.
Offered: Yearly.

ABT 780 | Bioinformatics Inquiry | 3 cr
Advances the development of competencies promoting efficient analysis of biological data. Emphasizes matching a research problem with the most effective tools for its completion, balancing use of existing software and de novo software development. Advanced aspects of Python and R, algorithmics, machine learning, simulations, and effective communication of results are emphasized.
Prerequisites: ABT 720, ABT 730; admission to the applied bioinformatics certificate.
Offered: Fall, Spring, Summer.

ABT 785 | Applications of Bioinformatics | 3 cr
Exploration and application of existing bioinformatic tools. Implementation of pre-coded solutions to data acquisition, wrangling, analysis, wisualization, and structural modeling problems. Students will complete a project that generates a multi-system workflow to solve bioinformatic problems.
Prerequisites: ABT 720, ABT 730; admission to the applied bioinformatics certificate.
Offered: Fall, Spring, Summer.

ABT 789 | Pre-Capstone | 1 cr
Prepares opportunity for applied self-directed capstone experience. Addresses problem identification, research, and project formulation. Culminates in an oral and written proposal with project schedule.
Prerequisites: Completion of all core courses and at least one track course; additional track courses may be taken concurrently.
Offered: Fall, Spring, Summer.

ABT 790 | Capstone | 3 cr
Students will complete a project (report, business plan, program, etc.) in an area of quality assurance and compliance, business and management, and/or research and development. Culminating in a substantive body of work, executive summary, and reflection. Networking and communication in a professional capacity is expected.
Prerequisites: ABT 789.
Offered: Fall, Spring, Summer.

Applied Health Sciences (AHS)

AHS 101 | Introduction to Applied Health Sciences | 3 cr
Provides an overview of the Applied Health Sciences major. Focuses on specific information about health career options. Covers the value and importance of service, current topics in health care, ethics in the health sciences, cultural sensitivity within health sciences. Additionally, students will gain experience in professional writing, presentation techniques, portfolio development and service learning.
Prerequisites: None.
Offered: Fall, Spring.

AHS 300 | Introduction to Medical Laboratory Sciences | 3 cr
Introduces the practice of medical laboratory science. Discusses professionalism, ethics, basic laboratory concepts and techniques. Covers microscopy and phlebotomy techniques in the teaching laboratory. Lecture/lab.
Prerequisites: AHS 101; BIOS 101 and 102, or BIOS 105 and 106, or BIOS 300 and 341; BIOS 210, 260, CHEM 115; MATH 114, or MATH 112 or 113.
Offered: Fall, Spring.

AHS 302 | Introduction to Radiology | 2 cr
Surveys the field of Radiologic Technology, the Radiology department, the School of Radiology, and other allied healthcare professions. Explores the academic and administrative structure, key department and hospital personnel, and the profession and professional societies associated with the field. Introduces the Medicolegal aspects of the profession. Presents The Code of Ethics, as proposed by the American Society of Radiologic Technologists and American Registry of Radiologic Technologists.
Prerequisites: AHS 101; BIOS 101 and 102, or BIOS 105 and 106, or BIOS 300 and 341; BIOS 210; CHEM 101 and 103 or CHEM 115; MATH 114 or MATH 112 and 113.
Offered: Fall, Spring.

AHS 306 | Imaging Procedures I | 3 cr
Introduces medical terminology, patient care, and the radiographic imaging equipment used for the abdomen and chest. Covers basic concepts of patient care using a holistic framework that considers the biophysical, emotional, and spiritual needs of patient populations.
Prerequisites: AHS 101, AHS 302; BIOS 101 and 102, or BIOS 105 and 106, or BIOS 300 and 341; BIOS 210; CHEM 101 and 103 or CHEM 115; MATH 114 or MATH 112 and 113.
Offered: Fall, Spring.

AHS 307 | Pharmacology and Ethics | 3 cr
Surveys drug administration as it applies to the medical imaging profession. Explores pharmacologic terminology, pharmacology of contrast agents, routes of administration, venipuncture and emergency medications specific to the medical imaging profession. Presents ethical and legal terms and issues that imaging professionals will face.
Prerequisites: AHS 101, AHS 302; BIOS 101 and 102, or BIOS 105 and 106, or BIOS 300 and 341; BIOS 210; CHEM 101 and 103 or CHEM 115; MATH 114 or MATH 112 and 113.
Offered: Fall, Spring.

AHS 308 | Imaging Procedures II | 3 cr
Explores the fundamental knowledge, purpose, and functions of upper and lower extremities, shoulder girdle, and pelvic girdle. Covers procedures that require the use of contrast media such as the urinary and digestive systems and portable procedures. Emphasizes proper positioning of the patient, demonstrated structures and fractures, central ray, technical factors, and image receptor size.
Prerequisites: AHS 101, AHS 302, AHS 306; BIOS 101 and 102, or BIOS 105 and 106, or BIOS 300 and 341; BIOS 210; CHEM 101 and 103 or CHEM 115; MATH 114 or MATH 112 and 113.
Offered: Fall, Spring, Summer.

AHS 309 | Imaging Procedures III | 3 cr
Examines techniques for radiography of the skull and the bony thorax. Addresses contrast studies, minor special procedures, trauma and surgical procedures that require the use of contrast media, sterile technique, and informed consent.
Prerequisites: AHS 101, AHS 302, AHS 306, AHS 308; BIOS 101 and 102, or BIOS 105 and 106, or BIOS 300 and 341; BIOS 210; CHEM 101 and 103 or CHEM 115; MATH 114 or MATH 112 and 113.
Offered: Fall, Spring.

AHS 310 | Clinical Microbiology I | 2 cr
Explores the microorganisms associated with human infectious processes, including the characteristics, isolation, identification, antimicrobial techniques and clinical infections associated with pathogenic microorganisms. Lecture/lab.
Prerequisites: AHS 101; BIOS 101 and 102, or BIOS 105 and 106, or BIOS 300 and 341; BIOS 210, 260, CHEM 115; MATH 114, or MATH 112 and 113.
Offered: Spring.

AHS 311 | Clinical Microbiology II | 3 cr
Focuses on advanced topics in microbiology, including antibiotics and antimicrobial susceptibility testing, mycobacteriology, anaerobic bacteriology, fastidious microorganisms and the clinical aspects of microbiology. Three-hour lecture/one-hour lab.
Prerequisites: AHS 310.
Offered: Spring.

AHS 320 | Clinical Immunology I | 3 cr
Explores clinical immunology concentrating on immune system functions, relationships and responses to infection and disease, including vaccine strategies and basic immunology assessment techniques. 3 hour Lecture/1 hour Lab.
Prerequisites: AHS 300, AHS 310.
Offered: Fall.

AHS 321 | Clinical Immunology II | 2 cr
Delves into an advanced study of clinical immunology concentrating on diseases of the immune system such as immunodeficiencies, infectious diseases and autoimmune conditions. Examines immunodiagnostic methods and diagnostic strategies, includes donor selection, recognition of transplant related conditions.
Prerequisites: AHS 401, AHS 405, AHS 406.
Offered: Fall.

AHS 335 | Clinical Chemistry I | 3 cr
Explores biological samples, analytes, and assays pertinent to the clinical laboratory. Includes electrolyte, carbohydrate, protein, lipid, vitamin, and mineral analytes and the techniques utilized to detect and quantify such materials. Cross-listed with: CHEM 335.
Prerequisites: AHS 300, CHEM 215.
Offered: Fall.

AHS 336 | Clinical Chemistry II | 3 cr
Investigates metabolism and diagnostic procedures for analysis of metabolism and human disease. Analyzes data for indicators of common pathophysiology and human disease markers. Lecture. Cross-listed with: CHEM 336.
Prerequisites: AHS 335 or CHEM 335.
Offered: Fall.

AHS 340 | Hematology and Hemostasis I | 3 cr
Addresses theory of hematology and hemostasis diagnostic procedures, interpretation, and correlation of laboratory findings with disease states. Includes hematopoiesis, cell morphology, anemias, hemoglobinopathies, myelodysplastic syndromes, coagulation and platelet disorders, and bleeding abnormalities. Lecture/Lab.
Prerequisites: AHS 300, CHEM 215; BIOS 101 and 102, or BIOS 105 and 106, or BIOS 300 and 341; and BIOS 260.
Offered: Fall, Spring, Summer.

AHS 341 | Hematology and Hemostasis II | 2 cr
Covers theory of hematology and hemostasis diagnostic procedures, interpretation, and correlation of laboratory findings with disease states. Includes lymphoprliferative and myeloproliferative disorders, immunoproliferative disorders, malignant lymphomas.
Prerequisites: AHS 340.
Offered: Fall, Spring, Summer.

AHS 350 | Diagnostic Molecular Biology | 3 cr
Examines medical genetics including the structure, function, and synthesis of DNA, RNA, and involved proteins; the mechanism of inheritance; and medical genetics. Covers molecular biology techniques and their applications is included as well as the laboratory diagnosis of disease, including ethics and emerging technologies.
Prerequisites: AHS 310.
Offered: Fall.

AHS 351 | Radiation Protection | 2 cr
Introduces principles of radiation protection including the responsibilities of the radiographer for themselves, patients, personnel, and the public. Reviews dose limits for radiology personnel, hospital workers, and the public.
Prerequisites: AHS 101, AHS 302, AHS 306, AHS 308; BIOS 101 and 102, or BIOS 105 and 106, or BIOS 300 and 341; BIOS 210; CHEM 101 and 103 or CHEM 115; MATH 114 or MATH 112 and 113.
Offered: Fall, Spring.

AHS 353 | Principles of Imaging I | 3 cr
Introduces radiographic image production and processing. Covers digital imaging, processing, x-ray interactions with matter, density, contrast, recorded detail, and distortion.
Prerequisites: AHS 101, AHS 302, AHS 306, AHS 308; BIOS 101 and 102, or BIOS 105 and 106, or BIOS 300 and 341; BIOS 210; CHEM 101 and 103 or CHEM 115; MATH 114 or MATH 112 and 113.
Offered: Fall, Spring.

AHS 355 | Clinical Education I | 3 cr
Provides opportunity for rotation through patient transport, general radiography, fluoroscopy, outpatient clinic, orthopedic clinic, and the emergency department. Includes development of skills to increase, improve, and adapt positioning and patient care as well as managing the flow of multiple departments and interdepartmental cooperation.
Prerequisites: AHS 101, AHS 302, AHS 306, AHS 308; BIOS 101 and 102, or BIOS 105 and 106, or BIOS 300 and 341; BIOS 210; CHEM 101 and 103 or CHEM 115; MATH 114 or MATH 112 and 113.
Offered: Fall, Spring.

AHS 360 | Radiation Biology | 2 cr
Explores the interaction of radiation with living systems and factors affecting biological response, including acute and chronic effects of radiation. Covers radiation's effects on molecules, cells, tissues and the body as a whole.
Prerequisites: AHS 101, AHS 302; BIOS 101 and 102, or BIOS 105 and 106, or BIOS 300 and 341; BIOS 210; CHEM 101 and 103 or CHEM 115; MATH 114 or MATH 112 and 113.
Offered: Fall, Spring.

AHS 362 | Principles of Imaging II | 3 cr
Covers basic computer history, digital equipment, image production and quality measures for digital imaging. Discusses adaptation techniques for changes in distance, grids, kVp, and cassette size.
Prerequisites: AHS 101, AHS 302, AHS 353; BIOS 101 and 102, or BIOS 105 and 106, or BIOS 300 and 341; BIOS 210; CHEM 101 and 103 or CHEM 115; MATH 114 or MATH 112 and 113.
Offered: Fall, Spring.

AHS 364 | Clinical Education II | 3 cr
Introduces supplemental components of the radiology department and provides opportunities to assist and perform examinations taught in Imaging Procedures I, II, and III in the radiology department, emergency department, and outpatient clinics.
Prerequisites: AHS 101, AHS 302, AHS 355; BIOS 101 and 102, or BIOS 105 and 106, or BIOS 300 and 341; BIOS 210; CHEM 101 and 103 or CHEM 115; MATH 114 or MATH 112 and 113.
Offered: Fall, Spring.

AHS 400 | Immunohematology I | 2 cr
Provides introduction to the different human blood groups, blood components, the antibody screening and identification process, transfusion protocols, blood donor screening, and regulatory concerns of modern blood banking.
Prerequisites: AHS 310, AHS 320, AHS 340; AHS 335 or CHEM 335.
Offered: Fall, Spring, Summer.

AHS 401 | Immunohematology II | 2 cr
Provides initial laboratory experience in blood banking practices including blood typing, antibody screening, antibody identification, cross matching, and confirmatory testing. Lab.
Prerequisites: AHS 400.
Offered: Summer.

AHS 405 | Cellular Morphology Laboratory | 2 cr
Discusses blood and blood cells in abnormal or malignant states, including red blood cell and white blood cell disorders. Examines specialized hematology procedures in the teaching laboratory, emphasizing the microscopic evaluation of abnormal blood cell morphology and evaluation of complete blood count data along with cytochemical and molecular testing.
Prerequisites: AHS 400.
Offered: Summer.

AHS 406 | Clinical Fluid Analysis | 2 cr
Introduces urinalysis and reviews of the anatomy and physiology of kidney, role of the kidney in disease; physical, chemical and microscopic properties of urine; and clinical correlation of lab results. Covers the physiology, specimen collection, processing and analysis of other body fluids. Lecture/Lab.
Prerequisites: AHS 400.
Offered: Summer.

AHS 410 | Clinical Mycology, Parasitology, and Virology | 3 cr
Investigates clinically relevant fungal, parasitic, and viral pathogens emphasizing diagnostic forms. Focuses on identification of the microorganisms, interpretation of findings and clinical correlation. Lecture/Lab.
Prerequisites: AHS 321.
Offered: Spring.

AHS 420 | Laboratory Operations | 2 cr
Addresses basic principles of clinical laboratory management, including theory and practice. Includes personnel and financial management, regulation and accreditation, information management, quality assurance, quality control, clinical and continuing education. Two hour lecture.
Prerequisites: AHS 401, AHS 405, AHS 406.
Offered: Fall.

AHS 450 | Clinical Correlations and Board of Review Test Preparation | 2 cr
Employs case studies to learn to evaluate patient histories and correlate laboratory test results to specific disease diagnosis. Prepares students to take the ASCLS MLS certification exam. Two hour lecture.
Prerequisites: AHS 420.
Offered: Spring.

AHS 470 | Radiographic Physics I | 2 cr
Explores the interactions involved in x-ray production, the equipment used to create and control the production, and fundamentals of photon interactions with matter. Covers how x-rays are produced in the tube and how they interact with the body and the basic design and layout of imaging equipment.
Prerequisites: AHS 101, AHS 302; BIOS 101 and 102, or BIOS 105 and 106, or BIOS 300 and 341; BIOS 210; CHEM 101 and 103 or CHEM 115; MATH 114 or MATH 112 and 113.
Offered: Fall, Spring.

AHS 473 | Imaging Procedures IV | 2 cr
Introduces imaging modalities such as MRI, CT, Mammography, Interventional Radiology, Cardiac Imaging, Radiation Therapy, Ultrasonography, and Nuclear Medicine. Provides instruction and radiographic lab sessions for practice and demonstrations of a variety of orthopedic views and pediatric imaging.
Prerequisites: AHS 101, AHS 302, AHS 306, AHS 308 and AHS 309; BIOS 101 and 102, or BIOS 105 and 106, or BIOS 300 and 341; BIOS 210; CHEM 101 and 103 or CHEM 115; MATH 114 or MATH 112 and 113.
Offered: Fall, Spring.

AHS 475 | Image Analysis | 2 cr
Explores the identification of acceptable and unacceptable radiographic images. Discusses contrast, receptor exposure, distortion, spatial resolution, and basic anatomy along with radiographic positioning to produce diagnostic radiographs. Addresses legal issues involved with suboptimal and misidentified films.
Prerequisites: AHS 101, AHS 302; BIOS 101 and 102, or BIOS 105 and 106, or BIOS 300 and 341; BIOS 210; CHEM 101 and 103 or CHEM 115; MATH 114 or MATH 112 and 113.
Offered: Fall, Spring.

AHS 477 | Cross-Sectional Anatomy | 3 cr
Examines the science of Computed Tomography (CT) and identification of specific human anatomy presented in several different planes/orientations of the body. Reviews human anatomy in a cross-sectional format as related to CT and other select imaging.
Prerequisites: AHS 101, AHS 302; BIOS 101 and 102, or BIOS 105 and 106, or BIOS 300 and 341; BIOS 210; CHEM 101 and 103 or CHEM 115; MATH 114 or MATH 112 and 113.
Offered: Fall, Spring.

AHS 478 | Pathology | 3 cr
Introduces the basic and most common pathologies evidenced by radiologic imaging. Explores pathology as it involves the various systems in the human body.
Prerequisites: AHS 101, AHS 302; BIOS 101 and 102, or BIOS 105 and 106, or BIOS 300 and 341; BIOS 210; CHEM 101 and 103 or CHEM 115; MATH 114 or MATH 112 and 113.
Offered: Fall, Spring.

AHS 480 | Radiation Physics II | 2 cr
Addresses what a quality management program entails, and the processes involved for a medical imaging department. Surveys the equipment used in fluoroscopic suites and discusses proper radiation protection for patients and personnel.
Prerequisites: AHS 101, AHS 302 and AHS 470; BIOS 101 and 102, or BIOS 105 and 106, or BIOS 300 and 341; BIOS 210; CHEM 101 and 103 or CHEM 115; MATH 114 or MATH 112 and 113.
Offered: Fall, Spring.

AHS 482 | Clinical Internship I | 5 cr
Provides opportunity for clinical experience in the emergency department, general radiography, fluoroscopy, the orthopedic department, and the outpatient clinic. Includes beginning of surgery and evening rotations.
Prerequisites: AHS 101, AHS 302; BIOS 101 and 102, or BIOS 105 and 106, or BIOS 300 and 341; BIOS 210 or PSYC 250; CHEM 101 and CHEM 103, or CHEM 115; MATH 114 or MATH 112 and 113.
Offered: Fall, Spring.

AHS 483 | Clinical Internship II | 3 cr
Provides opportunity to continue clinical experience in the emergency department, general radiography, fluoroscopy, the orthopedic department, and the outpatient clinic. Includes continuation of surgery and evening rotations. Introduces Computed Tomography (CT) department.
Prerequisites: AHS 101, 302; BIOS 101 and 102, or BIOS 105 and 106, or BIOS 300 and 341; BIOS 210 or PSYC 250; CHEM 101 and 103, or CHEM 115; MATH 114 or MATH 112 and 113.
Offered: Fall, Spring.

AHS 484 | Clinical Internship III | 3 cr
Provides opportunity to continue clinical experience in the emergency department, general radiography, fluoroscopy, the orthopedic department, and the outpatient clinic. Includes continuation of surgery and evening rotations.
Prerequisites: AHS 101, 302; BIOS 101 and 102, or BIOS 105 and 106, or BIOS 300 and 341; BIOS 210 or PSYC 250; CHEM 101 and 103, or CHEM 115; MATH 114 or MATH 112 and 113.
Offered: Fall, Spring.

AHS 494 | Internship/Fieldwork | 1-6 cr

Provides students with learning experiences within professional fields that are related to their professional career goals; including, but not limited to: business operations, professional competencies and conduct, and overall work environment. Requires placement approval by AHS academic advisor or the AHS director. No more than six credits can be applied toward the AHS major and no more than twelve credits can count towards general graduation requirements.
Prerequisites: AHS 101, sophomore or above and approval by applied health science academic advisor and the director.
Offered: Fall, Spring, Summer.

AHS 495 | Clinical Practicum I | 1-5 cr

Provides experiential learning for clinical laboratory sciences at clinical affiliate sites. Incorporates phlebotomy practice exposure with rotation through each clinical laboratory department, Hematology/Coagulation/ Body Fluid Analysis, Clinical Chemistry, Microbiology, and Blood Bank.
Prerequisites: AHS 401, AHS 405, AHS 406.
Offered: Fall.

AHS 496 | Clinical Practicum II | 1-6 cr

Provides additional experiential learning course for clinical laboratory sciences at clinical affiliate sites. Incorporates phlebotomy practice exposure with rotation through each clinical laboratory department. Requires placement approval by AHS academic advisor or the AHS director. No more than six credits can be applied toward the AHS major and no more than twelve credits can count towards general graduation requirements.
Prerequisites: AHS 406, AHS 495.
Offered: Fall, Spring, Summer.

Applied Music (MUSA)

MUSA 101 | Performance Lab I | 1 cr

All music majors are required to perform every semester. Performance lab gives students an opportunity to perform for their peers and music faculty. Students learn to evaluation skills by assessing performances. Faculty and students provide assessment at every performance lab. May be repeated for credit.
Prerequisites: Music major and concurrent enrollment in MUSA applied instrument 100 level; or consent instructor.
Offered: Fall, Spring.

MUSA 110 | Applied Piano | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirements" section in the University Catalog in the Music Department chapter.) To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied music courses MUSA" section in the University Catalog in the Music Department Chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major or minor, or consent of instructor; concurrent enrollment in MUSA 101 for majors.
Offered: Fall, Spring.

MUSA 111 | Applied Piano | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirements" section in the University Catalog in the Music Department chapter.) To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied music courses MUSA" section in the University Catalog in the Music Department Chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major; MUSA 110 with a grade of C+ or better; concurrent enrollment with MUSA 101; or consent of instructor.
Offered: Fall, Spring.

MUSA 112 | Applied Organ | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirements" section in the University Catalog in the Music Department chapter.) To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied music courses MUSA" section in the University Catalog in the Music Department Chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major or minor, or consent of instructor; concurrent enrollment in MUSA 101 for majors.
Offered: Fall, Spring.

MUSA 113 | Applied Organ | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirements" section in the University Catalog in the Music Department chapter.) To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied music courses MUSA" section in the University Catalog in the Music Department Chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major; MUSA 112 with C+ or better; concurrent enrollment in MUSA 101; or consent of instructor.
Offered: Fall, Spring.

MUSA 116 | Applied Harpsichord | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirements" section in the University Catalog in the Music Department chapter.) To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied music courses MUSA" section in the University Catalog in the Music Department Chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major or minor, or consent of instructor; concurrent enrollment in MUSA 101 for majors.
Offered: Fall, Spring.

MUSA 117 | Applied Harpsichord | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirements" section in the University Catalog in the Music Department chapter.) To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied music courses MUSA" section in the University Catalog in the Music Department Chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major; MUSA 116 with C+ or better; concurrent enrollment in MUSA 101; or consent of instructor.
Offered: Fall, Spring.

MUSA 120 | Applied Trumpet | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirements" section in the University Catalog in the Music Department chapter.) To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied music courses MUSA" section in the University Catalog in the Music Department Chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major or minor, or consent of instructor; concurrent enrollment in MUSA 101 for majors.
Offered: Fall, Spring.

MUSA 121 | Applied Trumpet | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirements" section in the University Catalog in the Music Department chapter.) To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied music courses MUSA" section in the University Catalog in the Music Department Chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major; MUSA 120 with grade of C+ or better; concurrent enrollment in MUSA 101; or consent of instructor.
Offered: Fall, Spring.

MUSA 122 | Applied Horn | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirements" section in the University Catalog in the Music Department chapter.) To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied music courses MUSA" section in the University Catalog in the Music Department Chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major or minor, or consent of instructor; concurrent enrollment in MUSA 101 for majors.
Offered: Fall, Spring.

MUSA 123 | Applied Horn | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirements" section in the University Catalog in the Music Department chapter.) To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied music courses MUSA" section in the University Catalog in the Music Department Chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major; MUSA 122 with C+ or better; concurrent enrollment in MUSA 101; or consent of instructor.
Offered: Fall, Spring.

MUSA 124 | Applied Trombone | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirements" section in the University Catalog in the Music Department chapter.) To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied music courses MUSA" section in the University Catalog in the Music Department Chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major or minor, or consent of instructor; concurrent enrollment in MUSA 101 for majors.
Offered: Fall, Spring.

MUSA 125 | Applied Trombone | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirements" section in the University Catalog in the Music Department chapter.) To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied music courses MUSA" section in the University Catalog in the Music Department Chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major; MUSA 124 with C+ or better; concurrent enrollment in MUSA 101; or consent of instructor.
Offered: Fall, Spring.

MUSA 126 | Applied Baritone | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirements" section in the University Catalog in the Music Department chapter.) To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied music courses MUSA" section in the University Catalog in the Music Department Chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major or minor, or consent of instructor; concurrent enrollment in MUSA 101 for majors.
Offered: Fall, Spring.

MUSA 127 | Applied Baritone | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirements" section in the University Catalog in the Music Department chapter.) To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied music courses MUSA" section in the University Catalog in the Music Department Chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major; MUSA 126 with C+ or better; concurrent enrollment in MUSA 101; or consent of instructor.

Offered: Fall, Spring.

MUSA 128 | Applied Tuba | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirements" section in the University Catalog in the Music Department chapter.) To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied music courses MUSA" section in the University Catalog in the Music Department Chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major or minor, or consent of instructor; concurrent enrollment in MUSA 101 for majors.

Offered: Fall, Spring.

MUSA 129 | Applied Tuba | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirements" section in the University Catalog in the Music Department chapter.) To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied music courses MUSA" section in the University Catalog in the Music Department Chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major; MUSA 128 with C+ or better; concurrent enrollment in MUSA 101; or consent of instructor.

Offered: Fall, Spring.

MUSA 140 | Applied Violin | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirements" section in the University Catalog in the Music Department chapter.) To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied music courses MUSA" section in the University Catalog in the Music Department Chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major or minor, or consent of instructor; concurrent enrollment in MUSA 101 for majors.

Offered: Fall, Spring.

MUSA 141 | Applied Violin | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirements" section in the University Catalog in the Music Department chapter.) To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied music courses MUSA" section in the University Catalog in the Music Department Chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major; MUSA 140 with C+ or better; concurrent enrollment in MUSA 101; or consent of instructor.

Offered: Fall, Spring.

MUSA 142 | Applied Viola | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirements" section in the University Catalog in the Music Department chapter.) To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied music courses MUSA" section in the University Catalog in the Music Department Chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major or minor, or consent of instructor; concurrent enrollment in MUSA 101 for majors.

Offered: Fall, Spring.

MUSA 143 | Applied Viola | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirements" section in the University Catalog in the Music Department chapter.) To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied music courses MUSA" section in the University Catalog in the Music Department Chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major; MUSA 142 with C+ or better; concurrent enrollment in MUSA 101; or consent of instructor.

Offered: Fall, Spring.

MUSA 144 | Applied Cello | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirements" section in the University Catalog in the Music Department chapter.) To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied music courses MUSA" section in the University Catalog in the Music Department Chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major or minor, or consent of instructor; concurrent enrollment in MUSA 101 for majors.

Offered: Fall, Spring.

MUSA 145 | Applied Cello | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirements" section in the University Catalog in the Music Department chapter.) To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied music courses MUSA" section in the University Catalog in the Music Department Chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major; MUSA 144 with C+ or better; concurrent enrollment in MUSA 101; or consent of instructor.
Offered: Fall, Spring.

MUSA 146 | Applied Bass | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirements" section in the University Catalog in the Music Department chapter.) To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied music courses MUSA" section in the University Catalog in the Music Department Chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major or minor, or consent of instructor; concurrent enrollment in MUSA 101 for majors.
Offered: Fall, Summer.

MUSA 147 | Applied Bass | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirements" section in the University Catalog in the Music Department chapter.) To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied music courses MUSA" section in the University Catalog in the Music Department Chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major; MUSA 146 with C+ or better; concurrent enrollment in MUSA 101; or consent of instructor.
Offered: Fall, Spring.

MUSA 148 | Applied Classical Guitar | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirements" section in the University Catalog in the Music Department chapter.) To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied music courses MUSA" section in the University Catalog in the Music Department Chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major or minor, or consent of instructor; concurrent enrollment in MUSA 101 for majors.
Offered: Fall, Spring.

MUSA 149 | Applied Classical Guitar | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirements" section in the University Catalog in the Music Department chapter.) To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied music courses MUSA" section in the University Catalog in the Music Department Chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major; MUSA 148 with C+ or better; concurrent enrollment in MUSA 101; or consent of instructor.
Offered: Fall, Spring.

MUSA 150 | Applied Harp | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirements" section in the University Catalog in the Music Department chapter.) To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied music courses MUSA" section in the University Catalog in the Music Department Chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major or minor, or consent of instructor; concurrent enrollment in MUSA 101 for majors.
Offered: Fall, Spring.

MUSA 151 | Applied Harp | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirements" section in the University Catalog in the Music Department chapter.) To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied music courses MUSA" section in the University Catalog in the Music Department Chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major; MUSA 150 with C+ or better; concurrent enrollment in MUSA 101; or consent of instructor.
Offered: Fall, Spring.

MUSA 160 | Applied Flute | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirements" section in the University Catalog in the Music Department chapter.) To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied music courses MUSA" section in the University Catalog in the Music Department Chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major or minor, or consent of instructor; concurrent enrollment in MUSA 101 for majors.
Offered: Fall, Spring.

MUSA 161 | Applied Flute | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirements" section in the University Catalog in the Music Department chapter.) To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied music courses MUSA" section in the University Catalog in the Music Department Chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major; MUSA 160 with C+ or better; concurrent enrollment in MUSA 101; or consent of instructor.

Offered: Fall, Spring.

MUSA 162 | Applied Oboe | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirements" section in the University Catalog in the Music Department chapter.) To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied music courses MUSA" section in the University Catalog in the Music Department Chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major or minor, or consent of instructor; concurrent enrollment in MUSA 101 for majors.

Offered: Fall, Spring.

MUSA 163 | Applied Oboe | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirements" section in the University Catalog in the Music Department chapter.) To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied music courses MUSA" section in the University Catalog in the Music Department Chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major; MUSA 162 with C+ or better; concurrent enrollment in MUSA 101; or consent of instructor.

Offered: Fall, Spring.

MUSA 164 | Applied Clarinet | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirements" section in the University Catalog in the Music Department chapter.) To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied music courses MUSA" section in the University Catalog in the Music Department Chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major or minor, or consent of instructor; concurrent enrollment in MUSA 101 for majors.

Offered: Fall, Spring.

MUSA 165 | Applied Clarinet | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirements" section in the University Catalog in the Music Department chapter.) To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied music courses MUSA" section in the University Catalog in the Music Department Chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major; MUSA 164 with C+ or better; concurrent enrollment in MUSA 101; or consent of instructor.

Offered: Fall, Spring.

MUSA 166 | Applied Saxophone | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirements" section in the University Catalog in the Music Department chapter.) To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied music courses MUSA" section in the University Catalog in the Music Department Chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major or minor, or consent of instructor; concurrent enrollment in MUSA 101 for majors.

Offered: Fall, Spring.

MUSA 167 | Applied Saxophone | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirements" section in the University Catalog in the Music Department chapter.) To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied music courses MUSA" section in the University Catalog in the Music Department Chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major; MUSA 166 with C+ or better; concurrent enrollment in MUSA 101; or consent of instructor.

Offered: Fall, Spring.

MUSA 168 | Applied Bassoon | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirements" section in the University Catalog in the Music Department chapter.) To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied music courses MUSA" section in the University Catalog in the Music Department Chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major or minor, or consent of instructor; concurrent enrollment in MUSA 101 for majors.

Offered: Fall, Spring.

MUSA 169 | Applied Bassoon | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirements" section in the University Catalog in the Music Department chapter.) To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied music courses MUSA" section in the University Catalog in the Music Department Chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major; MUSA 168 with C+ or better; concurrent enrollment in MUSA 101; or consent of instructor.
Offered: Fall, Spring.

MUSA 180 | Applied Voice | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirements" section in the University Catalog in the Music Department chapter.) To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied music courses MUSA" section in the University Catalog in the Music Department Chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major or minor, or consent of instructor; concurrent enrollment in MUSA 101 for majors.
Offered: Fall, Spring.

MUSA 181 | Applied Voice | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirements" section in the University Catalog in the Music Department chapter.) To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied music courses MUSA" section in the University Catalog in the Music Department Chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major; MUSA 180 with C+ or better; concurrent enrollment in MUSA 101; or consent of instructor.
Offered: Fall, Spring.

MUSA 184 | Applied Percussion | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirements" section in the University Catalog in the Music Department chapter.) To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied music courses MUSA" section in the University Catalog in the Music Department Chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major or minor, or consent of instructor; concurrent enrollment in MUSA 101 for majors.
Offered: Fall, Spring.

MUSA 185 | Applied Percussion | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirements" section in the University Catalog in the Music Department chapter.) To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied music courses MUSA" section in the University Catalog in the Music Department Chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major; MUSA 184 with C+ or better; concurrent enrollment in MUSA 101; or consent of instructor.
Offered: Fall, Spring.

MUSA 201 | Performance Lab II | 1 cr
All music majors are required to perform every semester. Performance lab gives students an opportunity to perform for their peers and music faculty. Students learn to evaluation skills by assessing performances. Faculty and students provide assessment at every performance lab. May be repeated for credit.
Prerequisites: Music major and concurrent enrollment in MUSA applied instrument 200 level; or consent instructor.
Offered: Fall, Spring.

MUSA 210 | Applied Piano | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major; MUSA 111 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.
Offered: Fall, Spring.

MUSA 211 | Applied Piano | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major; MUSA 210 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.
Offered: Fall, Spring.

MUSA 212 | Applied Organ | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major; MUSA 113 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.

Offered: Fall, Spring.

MUSA 213 | Applied Organ | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major; MUSA 212 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.

Offered: Fall, Spring.

MUSA 216 | Applied Harpsichord | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major; MUSA 117 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.

Offered: Fall, Spring.

MUSA 217 | Applied Harpsichord | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major; MUSA 117 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.

Offered: Fall, Spring.

MUSA 220 | Applied Trumpet | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major; MUSA 121 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.

Offered: Fall, Spring.

MUSA 221 | Applied Trumpet | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major; MUSA 220 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.

Offered: Fall, Spring.

MUSA 222 | Applied Horn | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major; MUSA 123 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.

Offered: Fall, Spring.

MUSA 223 | Applied Horn | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major; MUSA 222 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.

Offered: Fall, Spring.

MUSA 224 | Applied Trombone | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major; MUSA 125 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.
Offered: Fall, Spring.

MUSA 225 | Applied Trombone | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major; MUSA 224 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.
Offered: Fall, Spring.

MUSA 226 | Applied Baritone | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major; MUSA 127 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.
Offered: Fall, Spring.

MUSA 227 | Applied Baritone | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major; MUSA 226 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.
Offered: Fall, Spring.

MUSA 228 | Applied Tuba | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major; MUSA 129 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.
Offered: Fall, Spring.

MUSA 229 | Applied Tuba | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major; MUSA 228 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.
Offered: Fall, Spring.

MUSA 240 | Applied Violin | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major; MUSA 141 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.
Offered: Fall, Spring.

MUSA 241 | Applied Violin | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major; MUSA 240 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.
Offered: Fall, Spring.

MUSA 242 | Applied Viola | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major; MUSA 143 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.

Offered: Fall, Spring.

MUSA 243 | Applied Viola | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major; MUSA 242 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.

Offered: Fall, Spring.

MUSA 244 | Applied Cello | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major; MUSA 145 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.

Offered: Fall, Spring.

MUSA 245 | Applied Cello | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major; MUSA 244 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.

Offered: Fall, Spring.

MUSA 246 | Applied Bass | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major; MUSA 147 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.

Offered: Fall, Spring.

MUSA 247 | Applied Bass | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major; MUSA 246 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.

Offered: Fall, Spring.

MUSA 248 | Applied Classical Guitar | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major; MUSA 149 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.

Offered: Fall, Spring.

MUSA 249 | Applied Classical Guitar | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major; MUSA 248 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.

Offered: Fall, Spring.

MUSA 250 | Applied Harp | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major; MUSA 151 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.
Offered: Fall, Spring.

MUSA 251 | Applied Harp | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major; MUSA 250 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.
Offered: Fall, Spring.

MUSA 260 | Applied Flute | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major; MUSA 161 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.
Offered: Fall, Spring.

MUSA 261 | Applied Flute | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major; MUSA 260 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.
Offered: Fall, Spring.

MUSA 262 | Applied Oboe | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major; MUSA 163 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.
Offered: Fall, Spring.

MUSA 263 | Applied Oboe | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major; MUSA 262 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.
Offered: Fall, Spring.

MUSA 264 | Applied Clarinet | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major; MUSA 165 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.
Offered: Fall, Spring.

MUSA 265 | Applied Clarinet | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major; MUSA 264 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.
Offered: Fall, Spring.

MUSA 266 | Applied Saxophone | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major; MUSA 167 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.

Offered: Fall, Spring.

MUSA 267 | Applied Saxophone | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major; MUSA 266 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.

Offered: Fall, Spring.

MUSA 268 | Applied Bassoon | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major; MUSA 169 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.

Offered: Fall, Spring.

MUSA 269 | Applied Bassoon | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major; MUSA 268 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.

Offered: Fall, Spring.

MUSA 280 | Applied Voice | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major; MUSA 181 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.

Offered: Fall, Spring.

MUSA 281 | Applied Voice | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major; MUSA 280 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.

Offered: Fall, Spring.

MUSA 284 | Applied Percussion | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major; MUSA 185 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.

Offered: Fall, Spring.

MUSA 285 | Applied Percussion | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major; MUSA 284 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.

Offered: Fall, Spring.

MUSA 300 | Junior Recital | 1 cr

Supervised recital preparation and performance with appropriate research and writing of the recital program notes. May repeat for credit. Lab fee.

Prerequisites: Junior standing, consent of music department chair.

Offered: Fall, Spring.

MUSA 301 | Performance Lab III | 1 cr
All music majors are required to perform every semester. Performance lab gives students an opportunity to perform for their peers and music faculty. Students learn to evaluation skills by assessing performances. Faculty and students provide assessment at every performance lab. May be repeated for credit.
Prerequisites: Music major and concurrent enrollment in MUSA applied instrument 300 level; or consent instructor.
Offered: Fall, Spring.

MUSA 310 | Applied Piano | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major; MUSA 211 C+ or better; concurrent enrollment with MUSA 301; or consent of instructor.
Offered: Fall, Spring.

MUSA 311 | Applied Piano | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major; MUSA 310 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.
Offered: Fall, Spring.

MUSA 312 | Applied Organ | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major; MUSA 213 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.
Offered: Fall, Spring.

MUSA 313 | Applied Organ | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major; MUSA 312 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.
Offered: Fall, Spring.

MUSA 316 | Applied Harpsichord | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major; MUSA 217 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.
Offered: Fall, Spring.

MUSA 317 | Applied Harpsichord | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major; MUSA 316 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.
Offered: Fall, Spring.

MUSA 320 | Applied Trumpet | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major; MUSA 221 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.
Offered: Fall, Spring.

MUSA 321 | Applied Trumpet | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major; MUSA 320 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.

Offered: Fall, Spring.

MUSA 322 | Applied Horn | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major; MUSA 223 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.

Offered: Fall, Spring.

MUSA 323 | Applied Horn | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major; MUSA 322 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.

Offered: Fall, Spring.

MUSA 324 | Applied Trombone | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major; MUSA 225 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.

Offered: Fall, Spring.

MUSA 325 | Applied Trombone | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major; MUSA 324 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.

Offered: Fall, Spring.

MUSA 326 | Applied Baritone | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee

Prerequisites: Music major; MUSA 227 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.

Offered: Fall, Spring.

MUSA 327 | Applied Baritone | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major; MUSA 326 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.

Offered: Fall, Spring.

MUSA 328 | Applied Tuba | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major; MUSA 229 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.

Offered: Fall, Spring.

MUSA 329 | Applied Tuba | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major; MUSA 328 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.
Offered: Fall, Spring.

MUSA 340 | Applied Violin | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee
Prerequisites: Music major; MUSA 241 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.
Offered: Fall, Spring.

MUSA 341 | Applied Violin | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major; MUSA 340 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.
Offered: Fall, Spring.

MUSA 342 | Applied Viola | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major; MUSA 243 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.
Offered: Fall, Spring.

MUSA 343 | Applied Viola | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major; MUSA 342 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.
Offered: Fall, Spring.

MUSA 344 | Applied Cello | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major; MUSA 245 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.
Offered: Fall, Spring.

MUSA 345 | Applied Cello | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major; MUSA 344 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.
Offered: Fall, Summer.

MUSA 346 | Applied Bass | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major; MUSA 247 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.
Offered: Fall, Spring.

MUSA 347 | Applied Bass | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major; MUSA 346 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.

Offered: Fall, Spring.

MUSA 348 | Applied Classical Guitar | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major; MUSA 249 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.

Offered: Fall, Spring.

MUSA 349 | Applied Classical Guitar | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major; MUSA 348 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.

Offered: Fall, Spring.

MUSA 350 | Applied Harp | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major; MUSA 251 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.

Offered: Fall, Spring.

MUSA 351 | Applied Harp | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major; MUSA 350 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.

Offered: Fall, Spring.

MUSA 360 | Applied Flute | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. May repeat for credit. Lab fee: $80. Frequency: Fall, Spring.

Prerequisites: Music major; MUSA 261 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.

Offered: Fall, Spring.

MUSA 361 | Applied Flute | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major; MUSA 360 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.

Offered: Fall, Spring.

MUSA 362 | Applied Oboe | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major; MUSA 263 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.

Offered: Fall, Spring.

MUSA 363 | Applied Oboe | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major; MUSA 362 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.
Offered: Fall, Spring.

MUSA 364 | Applied Clarinet | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major; MUSA 265 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.
Offered: Fall, Spring.

MUSA 365 | Applied Clarinet | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major; MUSA 364 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.
Offered: Fall, Spring.

MUSA 366 | Applied Saxophone | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major; MUSA 267 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.
Offered: Fall, Spring.

MUSA 367 | Applied Saxophone | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major; MUSA 366 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.
Offered: Fall, Spring.

MUSA 368 | Applied Bassoon | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major; MUSA 269 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.
Offered: Fall, Spring.

MUSA 369 | Applied Bassoon | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major; MUSA 368 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.
Offered: Fall, Spring.

MUSA 380 | Applied Voice | 1 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major; MUSA 281 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.
Offered: Fall, Spring.

MUSA 381 | Applied Voice | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major; MUSA 380 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.

Offered: Fall, Spring.

MUSA 384 | Applied Percussion | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major; MUSA 285 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.

Offered: Fall, Spring.

MUSA 385 | Applied Percussion | 1 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major; MUSA 384 with C+ or better; concurrent enrollment with MUSA 201; or consent of instructor.

Offered: Fall, Spring.

MUSA 400 | Senior Recital | 2 cr

Supervised recital preparation and performance with appropriate research and writing of the recital program notes. May be repeated for credit. Lab fee.

Prerequisites: Senior standing, consent of music department chair.

Offered: Fall, Spring.

MUSA 410 | Applied Piano | 2 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major with a concentration in music performance or jazz studies and performance; MUSA 311 with C+ or better; or consent of instructor.

Offered: Fall, Spring.

MUSA 411 | Applied Piano | 2 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major with a concentration in music performance or jazz studies and performance; MUSA 410 with C+ or better; or consent of instructor.

Offered: Fall, Spring.

MUSA 412 | Applied Organ | 2 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major with a concentration in music performance or jazz studies and performance; MUSA 313 with C+ or better; or consent of instructor.

Offered: Fall, Spring.

MUSA 413 | Applied Organ | 2 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major with a concentration in music performance or jazz studies and performance; MUSA 412 with C+ or better; or consent of instructor.

Offered: Fall, Spring.

MUSA 416 | Applied Harpsichord | 2 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major with a concentration in music performance or jazz studies and performance; MUSA 317 with C+ or better; or consent of instructor.

Offered: Fall, Spring.

MUSA 417 | Applied Harpsichord | 2 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major with a concentration in music performance or jazz studies and performance; MUSA 416 with C+ or better; or consent of instructor.
Offered: Fall, Spring.

MUSA 420 | Applied Trumpet | 2 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major with a concentration in music performance or jazz studies and performance; MUSA 321 with C+ or better; or consent of instructor.
Offered: Fall, Spring.

MUSA 421 | Applied Trumpet | 2 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major with a concentration in music performance or jazz studies and performance; MUSA 420 with C+ or better; or consent of instructor.
Offered: Fall, Spring.

MUSA 422 | Applied Horn | 2 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major with a concentration in music performance or jazz studies and performance; MUSA 323 with C+ or better; or consent of instructor.
Offered: Fall, Spring.

MUSA 423 | Applied Horn | 2 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major with a concentration in music performance or jazz studies and performance; MUSA 422 with C+ or better; or consent of instructor.
Offered: Fall, Spring.

MUSA 424 | Applied Trombone | 2 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major with a concentration in music performance or jazz studies and performance; MUSA 325 with C+ or better; or consent of instructor.
Offered: Fall, Spring.

MUSA 425 | Applied Trombone | 2 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major with a concentration in music performance or jazz studies and performance; MUSA 424 with C+ or better; or consent of instructor.
Offered: Fall, Spring.

MUSA 426 | Applied Baritone | 2 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major with a concentration in music performance or jazz studies and performance; MUSA 327 with C+ or better; or consent of instructor.
Offered: Fall, Spring.

MUSA 427 | Applied Baritone | 2 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major with a concentration in music performance or jazz studies and performance; MUSA 426 with C+ or better; or consent of instructor.

Offered: Fall, Spring.

MUSA 428 | Applied Tuba | 2 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major with a concentration in music performance or jazz studies and performance; MUSA 329 with C+ or better; or consent of instructor.

Offered: Fall, Spring.

MUSA 429 | Applied Tuba | 2 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major with a concentration in music performance or jazz studies and performance; MUSA 428 with C+ or better; or consent of instructor.

Offered: Fall, Spring.

MUSA 440 | Applied Violin | 2 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major with a concentration in music performance or jazz studies and performance; MUSA 341 with C+ or better; or consent of instructor.

Offered: Fall, Spring.

MUSA 441 | Applied Violin | 2 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major with a concentration in music performance or jazz studies and performance; MUSA 440 with C+ or better; or consent of instructor.

Offered: Fall, Spring.

MUSA 442 | Applied Viola | 2 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major with a concentration in music performance or jazz studies and performance; MUSA 343 with C+ or better; or consent of instructor.

Offered: Fall, Spring.

MUSA 443 | Applied Viola | 2 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major with a concentration in music performance or jazz studies and performance; MUSA 442 with C+ or better; or consent of instructor.

Offered: Fall, Spring.

MUSA 444 | Applied Cello | 2 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major with a concentration in music performance or jazz studies and performance; MUSA 345 with C+ or better; or consent of instructor.

Offered: Fall, Spring.

MUSA 445 | Applied Cello | 2 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major with a concentration in music performance or jazz studies and performance; MUSA 444 with C+ or better; or consent of instructor.
Offered: Fall, Spring.

MUSA 446 | Applied Bass | 2 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major with a concentration in music performance or jazz studies and performance; MUSA 347 with C+ or better; or consent of instructor.
Offered: Fall, Spring.

MUSA 447 | Applied Bass | 2 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major with a concentration in music performance or jazz studies and performance; MUSA 446 with C+ or better; or consent of instructor.
Offered: Fall, Spring.

MUSA 448 | Applied Classical Guitar | 2 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major with a concentration in music performance or jazz studies and performance; MUSA 349 with C+ or better; or consent of instructor.
Offered: Fall, Spring.

MUSA 449 | Applied Classical Guitar | 2 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major with a concentration in music performance or jazz studies and performance; MUSA 448 with C+ or better; or consent of instructor.
Offered: Fall, Spring.

MUSA 450 | Applied Harp | 2 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major with a concentration in music performance or jazz studies and performance; MUSA 351 with C+ or better; or consent of instructor.
Offered: Fall, Spring.

MUSA 451 | Applied Harp | 2 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major with a concentration in music performance or jazz studies and performance; MUSA 450 with C+ or better; or consent of instructor.
Offered: Fall, Spring.

MUSA 460 | Applied Flute | 2 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major with a concentration in music performance or jazz studies and performance; MUSA 361 with C+ or better; or consent of instructor.
Offered: Fall, Spring.

MUSA 461 | Applied Flute | 2 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major with a concentration in music performance or jazz studies and performance; MUSA 460 with C+ or better; or consent of instructor.

Offered: Fall, Spring.

MUSA 462 | Applied Oboe | 2 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major with a concentration in music performance or jazz studies and performance; MUSA 363 with C+ or better; or consent of instructor.

Offered: Fall, Spring.

MUSA 463 | Applied Oboe | 2 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major with a concentration in music performance or jazz studies and performance; MUSA 462 with C+ or better; or consent of instructor.

Offered: Fall, Spring.

MUSA 464 | Applied Clarinet | 2 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major with a concentration in music performance or jazz studies and performance; MUSA 365 with C+ or better; or consent of instructor.

Offered: Fall, Spring.

MUSA 465 | Applied Clarinet | 2 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major with a concentration in music performance or jazz studies and performance; MUSA 464 with C+ or better; or consent of instructor.

Offered: Fall, Spring.

MUSA 466 | Applied Saxophone | 2 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major with a concentration in music performance or jazz studies and performance; MUSA 367 with C+ or better; or consent of instructor.

Offered: Fall, Spring.

MUSA 467 | Applied Saxophone | 2 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major with a concentration in music performance or jazz studies and performance; MUSA 466 with C+ or better; or consent of instructor.

Offered: Fall, Summer.

MUSA 468 | Applied Bassoon | 2 cr

Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.

Prerequisites: Music major with a concentration in music performance or jazz studies and performance; MUSA 369 with C+ or better; or consent of instructor.

Offered: Fall, Spring.

MUSA 469 | Applied Bassoon | 2 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major with a concentration in music performance or jazz studies and performance; MUSA 468 with C+ or better; or consent of instructor.
Offered: Fall, Spring.

MUSA 480 | Applied Voice | 2 cr
Provides opportunity for private instruction in applied music for majors and minors. May be repeated for credit. Requires lab fee.
Prerequisites: Music major with a concentration in music performance, contemporary commercial music or jazz studies and performance; MUSA 381 with C+ or better; concurrent registration in a core music course and a large ensemble is required; or consent of instructor.
Offered: Fall, Spring.

MUSA 481 | Applied Voice | 2 cr
Provides opportunity for private instruction in applied music for majors and minors. May be repeated for credit. Requires lab fee.
Prerequisites: Music major with a concentration in music performance, contemporary commercial music or jazz studies and performance; MUSA 381 with C+ or better; concurrent registration in a core music course and a large ensemble is required; or consent of instructor.
Offered: Fall, Spring.

MUSA 484 | Applied Percussion | 2 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major with a concentration in music performance or jazz studies and performance; MUSA 385 with C+ or better; or consent of instructor.
Offered: Fall, Spring.

MUSA 485 | Applied Percussion | 2 cr
Private instruction in applied music is available to music majors and minors. Concurrent registration in a core music course and a large ensemble is required (see "ensemble requirement" section in the University Catalog in the Music Department chapter). To enroll, obtain the appropriate course numbers from a Music Department faculty academic advisor. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" section in the University Catalog in the Music Department chapter for further information. May be repeated for credit. Lab fee.
Prerequisites: Music major with a concentration in music performance or jazz studies and performance; MUSA 484 with C+ or better; or consent of instructor.
Offered: Fall, Spring.

Art (ART)

ART 100 | Foundations of Art and Visual Culture | 3 cr
Introduces basic concepts and techniques of visual analysis and explores key issues in art history and visual culture, including the Western canon, gender, multiculturalism, modern and contemporary art, and the meanings of high art, craft and design.
Prerequisites: None.
Offered: Fall, Spring.
Meets: Humanities and the Arts: ART, Humanities and the Arts: ART, Humanities and the Arts: ART, Humanities and the Arts: ART, Humanities and the Arts: ART

ART 102 | Introduction to Two Dimensional Design | 3 cr
Explores the visual language used in two-dimensional design, emphasizing the fundamental elements and principles of composition and color through lecture and studio problems.
Prerequisites: None.
Offered: Fall, Spring.
Meets: Humanities and the Arts: ART, Humanities and the Arts: ART, Humanities and the Arts: ART, Humanities and the Arts: ART, Humanities and the Arts: ART

ART 103 | Introduction to 3-D Design | 3 cr
Exploration of the visual language used in three-dimensional design emphasizing the fundamental elements and principles through lecture and studio problems in a variety of sculptural processes.
Prerequisites: None.
Offered: Fall, Spring.
Meets: Humanities and the Arts: ART, Humanities and the Arts: ART, Humanities and the Arts: ART, Humanities and the Arts: ART, Humanities and the Arts: ART

ART 104 | Introduction to Digital Art | 3 cr
Explores the digital visual language through various software programs used in the fields of digital art, graphic design, web design and digital fabrication, emphasizing the basic principles of composition through lecture and studio problems. Lab fee.
Prerequisites: None.
Offered: Fall, Spring.

ART 105 | Introduction to Graphic Design | 3 cr
Explores introductory graphic design topics through various software programs, studio problems and class lectures. Lab fee required.
Prerequisites: None.
Offered: Fall, Spring.

ART 122 | Introduction to Drawing | 3 cr
Exploration of the media and process of drawing to develop a visual language for representing visual imagery and cultivating perceptual and conceptual awareness.
Prerequisites: None.
Offered: Fall, Spring.
Meets: Humanities and the Arts: ART, Humanities and the Arts: ART, Humanities and the Arts: ART, Humanities and the Arts: ART, Humanities and the Arts: ART

ART 124 | Lowriders, Kicks, and Graffiti | 3 cr
Focuses on the art and visual culture of Latin Americans, Hispanic Americans, and African Americans during the past 40 years. Features shrines, murals, street art, fashion, film/video, and "fine" art. Explores movements and techniques behind various expressions seen in popular culture and museums. Requires lab fee.
Prerequisites: None.
Offered: Fall, Spring.
Meets: Humanities and the Arts: ART, Ethnic Diversity, Humanities and the Arts: ART, Ethnic Diversity, Humanities and the Arts: ART, Ethnic Diversity, Humanities and the Arts: ART, Ethnic Diversity, Humanities and the Arts: ART, Ethnic Diversity

ART 125 | Survey of World Art | 3 cr
Examines art history from the prehistoric era to the present with a global perspective. Covers the application visual analysis and to understand art in its social, political and historic contexts.
Prerequisites: None.
Offered: Fall, Spring.
Meets: Humanities and the Arts: ART, Humanities and the Arts: ART, Humanities and the Arts: ART, Humanities and the Arts: ART, Humanities and the Arts: ART

ART 203 | Beginning Ceramics | 3 cr
An introduction to the fundamental aesthetic concepts and technical methods of creating works in clay emphasizing historical and contemporary developments of ceramics. Students will be exposed to the basics of ceramics in wheel throwing, hand building, glazing and firing.
Prerequisites: ART 103 or consent of instructor.
Offered: Fall, Spring.

ART 226 | Modern Art and Graphic Design | 3 cr
Examines major movements and styles in art and graphic design since 1900 and introduces key critical concepts and theories used to understand and analyze this work.
Prerequisites: ART 100 or ART 125.
Offered: Fall, Spring.

ART 236 | Beginning Sculpture | 3 cr
Explores both historical and contemporary developments in sculpture emphasizing fundamental aesthetic concepts and technical methods. Students are directed through three basic techniques: reduction, addition, and casting.
Prerequisites: ART 103.
Offered: Fall.

ART 238 | Beginning Woodworking and Furniture Design | 3 cr
Introduction into the craft of woodworking as it specifically relates to the art of furniture making. Both functional and aesthetic considerations will be explored as well as the history of furniture over the centuries.
Prerequisites: ART 103 or consent of instructor.

ART 251 | Beginning Printmaking | 3 cr
Investigates the following print processed: relief, intaglio, monotype, serigraphy and lithography. Emphasizes historical developments and the contemporary role of print media, both formally and functionally.
Prerequisites: ART 102, ART 122.
Offered: Fall, Spring.

ART 274 | Typography I | 3 cr
Introduces the theories and history of typography within the context of graphic design. Lab fee required.
Prerequisites: ART 102, ART 104, and ART 105.
Offered: Fall, Spring.

ART 282 | Beginning Painting | 3 cr
Introduces the aesthetic, technical and thematic dimensions of oil painting as a fundamental visual language of expression from both traditional and contemporary perspectives.
Prerequisites: ART 102, 122.
Offered: Fall, Spring.

ART 287 | Topics in Graphic Design: | 3 cr
Explores selected topics in the field of graphic design. Focuses on diverse mediums, content, and projects.
Prerequisites: Varies with topic.
Offered: Occasionally.

ART 288 | Introductory Topics in Two-Dimensional Studio Art | 3 cr
Introduces special topics in two-dimensional media, including printmaking, painting, collage, photography, and book arts. Explores traditional and experimental materials and approaches. May repeat with different topic.
Prerequisites: ART 102, 122.
Offered: Occasionally.

ART 289 | Topics in Three-Dimensional Studio Art: | 3 cr
Special topics in three dimensional mediums including metals, fibers, ceramics, sculpture, woodworking, and book arts. Traditional and experimental materials and approaches will be explored. May be repeated for credit with different topic.
Prerequisites: Varies with topic.
Offered: Occasionally.

ART 290 | Special Topics in Art | 1-4 cr
Selected topics in the visual arts and their interrelationship will be studied. Lab fee varies with topic.
Prerequisites: Varies with topic.
Offered: Occasionally.

ART 299 | Independent Study | 1-4 cr
Special projects selected by student and approved by instructor. Includes a detailed project proposal. Lab fee varies with topic.
Prerequisites: Consent of instructor and department chair.
Offered: Fall, Spring, Summer.

ART 303 | Intermediate Ceramics | 3 cr
Further development of the fundamental aesthetic concepts and technical methods used in creating works in clay emphasizing historical and contemporary trends and artistic intent. Various firing methods will be addressed.
Prerequisites: ART 203.
Offered: Fall.

ART 315 | Anthropology of Non-Western Art | 3 cr
Examines indigenous arts and material culture with focus on functions of art related to social organization, belief systems and culture change; includes selected prehistoric and contemporary art forms. Cross-listed with: ANTH 315.
Prerequisites: ANTH 100 or ART 100 or ART 125.
Offered: Occasionally.

ART 322 | Intermediate Drawing | 3 cr
Explores the formal and conceptual possibilities of the drawn mark as a visual language incorporating historical references both traditional and contemporary.
Prerequisites: ART 102, ART 122.
Offered: Occasionally.

ART 325 | Art Methods for Elementary-Middle | 3 cr
Covers theory, practice and methods for elementary and middle school level art education.
Prerequisites: Concurrent with EDU 430; consent of instructor.
Offered: Spring.

ART 326 | Art Methods for High School | 3 cr
Covers theory, practice and methods for high school level art education.
Prerequisites: Concurrent with EDU 440; consent of instructor.
Offered: Fall.

ART 331 | Life Drawing | 3 cr
Investigates the human form using diverse media with an emphasis on structural, anatomical, and personal expressive analysis.
Prerequisites: ART 102, ART 122.
Offered: Occasionally.

ART 336 | Intermediate sculpture | 3 cr
Further exploration of aesthetic concepts and technical methods used in sculpture while selecting from an expanded range of processes embracing fabrication, carving and casting.
Prerequisites: ART 236.
Offered: Spring.

ART 338 | Intermediate Woodworking and Furniture Design | 3 cr
Further exploration of design concepts in addition to the introduction of alternative joinery methods and materials as they relate to the craft of furniture making.
Prerequisites: ART 238 or consent of instructor.
Offered: Spring.

ART 351 | Intermediate Printmaking | 3 cr
Studies the aesthetic and technical principles of printmaking focusing on lithography, both stone and plate.
Prerequisites: ART 251.
Offered: Fall, Spring.

ART 370 | Digital Fabrication II | 3 cr
Expands upon 2D CAD and manufactoring with advanced techniques in 3D CAD/CAM and fabrication processes. Introduces 3D techniques in CNC milling and routing. Requires lab fee.
Prerequisites: One of: ART 104, DFAB 170 or 171 or 172 or 270 or consent of instructor.
Offered: Fall.

ART 371 | Digital Photography | 3 cr
Investigates the creative practice of digital photography for both print and screen. Emphasizes conceptual development as it relates to the medium and students' own creative visions. Requires lab fee. Community-based learning designation.
Prerequisites: ART 102 or instructor consent and ART 104.
Offered: Fall, Spring.
Meets: Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning

ART 372 | Graphic Design I | 3 cr
Explores design history, theory, technique and the formal language of graphic communications. Lab fee required.
Prerequisites: ART 102, ART 104 and ART 105.
Offered: Fall, Spring.

ART 374 | Typography II | 3 cr
Utilization of the fundamentals of typography to solve complex design problems.
Prerequisites: ART 274.
Offered: Spring.

ART 377 | Interactive Design I | 3 cr
Explores the modern field of interactive design from a graphic designer's viewpoint. Includes the conceptual and aesthetic approach to interactive design. Lab fee required.
Prerequisites: ART 105 and one of: ART 372; CSCI 130, CSCI 145, CSCI 241 or MIS 221.
Offered: Fall, Spring.

ART 382 | Intermediate Painting | 3 cr
Continued aesthetic and technical exploration of the painted image involving a variety of media.
Prerequisites: ART 282.
Offered: Fall, Spring.

ART 387 | Topics in Graphic Design | 3 cr
Explores topics in the field of graphic design. Focuses on diverse mediums, content, and projects.
Prerequisites: Varies by topic.
Offered: Occasionally.

ART 388 | Intermediate Topics in Two-Dimensional Studio Art | 3 cr
Examines intermediate use of two-dimensional media, including printmaking, painting, collage, photography, and book arts. Explores traditional and experimental materials and techniques. May repeat with different topic.
Prerequisites: ART 322 or 330 or 331.
Offered: Occasionally.

ART 389 | Intermediate Topics in Three-Dimensional Studio Art | 3 cr
Explores intermediate topics in three dimensional media including metals, fibers, ceramics, sculpture, woodworking, and book arts. Examines traditional and experimental materials and approaches. May be repeated for credit with a different topic.
Prerequisites: Varies with topic.
Offered: Occasionally.

ART 390 | Special Topics in Art | 1-4 cr
Selected topics in the visual arts and their interrelationship will be studied at the intermediate level. Lab fee varies with topic.
Prerequisites: Varies with topic.
Offered: Occasionally.

ART 391 | Selected Topics in Art History | 3 cr
Examines selected topics in art history. May be repeated for credit with a different topic.
Prerequisites: Varies with topic.
Offered: Fall, Spring.

ART 392 | Professional Practice | 3 cr
Provides insight into the professional aspects of studio art and graphic design fields. Includes professional application materials, photographic documentation, career options, post-baccalaureate pursuits, and the business of art and design.
Prerequisites: Art or graphic design major, junior standing; or consent of instructor.
Offered: Fall, Spring.

ART 399 | Independent Study | 1-4 cr
Special projects selected by intermediate level students and approved instructor. Includes a detailed project proposal.
Prerequisites: Consent of instructor and department chair.
Offered: Fall, Spring, Summer.

ART 403 | Advanced Ceramics | 3 cr
Extended work in ceramic processes, with emphasis placed on gaining proficiency in the medium and in developing a personal body of artwork. May be repeated for credit.
Prerequisites: ART 303.
Offered: Fall.

ART 422 | Advanced Drawing | 3 cr
Explores the aesthetic technical and thematic possibilities of the drawn mark, with emphasis on the development of the student's personal vision. May repeat for credit.
Prerequisites: ART 322 or ART 330 or ART 331.
Offered: Occasionally.

ART 431 | Figure Studio | 3 cr
Emphasizes experimental exploration of the human form with an expressive focus in a variety of media with more individualized technical and aesthetic development. May be repeated for credit.
Prerequisites: ART 331.
Offered: Fall.

ART 436 | Advanced Sculpture | 3 cr
Emphasizes in-depth exploration of one or more recommended sculptural processes in relation to an individualized aesthetic point of view. May be repeated for credit.
Prerequisites: ART 336.
Offered: Spring.

ART 438 | Advanced Woodworking and Furniture Design | 3 cr
Investigates personal design aesthetic as it relates to construction, materials and methods of furniture making. May be repeated for credit.
Prerequisites: ART 338.
Offered: Spring.

ART 451 | Advanced Printmaking | 3 cr
Studies print media and related forms. Portfolio creation and concept emphasis will coincide with the development of alternative print processes. Includes the broadening definition printmaking. May be repeated for credit.
Prerequisites: ART 351.
Offered: Fall.

ART 470 | Digital Fabrication III | 3 cr
Provides opportunity to develop and fabricate a project based on artistic/innovative/entrepreneurial vision. Expands upon 3D CAD/CAM and fabrication processes. Lab Fee.
Prerequisites: DFAB 370 or ART 389.
Offered: Spring.

ART 471 | Advanced Digital Photography | 3 cr
Continues practice in digital photography. Emphasizes conceptual development related to the medium and students' own creative visions. May be repeated for credit.
Prerequisites: ART 371.
Offered: Fall, Spring.

ART 472 | Graphic Design II | 3 cr
Analysis of issues related to branding, identity, and design. Emphasis is on the development of strong concepts which communicate effectively.
Prerequisites: ART 372, ART 374.
Offered: Fall.

ART 477 | Interactive Design II | 3 cr
Examines advanced problems in interactive design from a designer's viewpoint comprising the conceptual and aesthetic approach to interactive design including both static and dynamic forms.
Prerequisites: ART 377.
Offered: Spring.

ART 482 | Advanced Painting | 3 cr
Express individual problems in painting using a variety of media. May be repeated for credit.
Prerequisites: ART 382.
Offered: Spring.

ART 487 | Design Portfolio | 3 cr
Students create, develop, and revise a professional-quality portfolio of design work appropriate to the student's career goals that showcases the breadth and individuality of his or her work. May be in conjunction with student-acquired internships.
Prerequisites: ART 472 or consent of instructor.
Offered: Fall, Spring.

ART 488 | Advanced Topics in Two-Dimensional Studio Art | 3 cr
Delves into the advanced use of two-dimensional media, including printmaking, painting, collage, photography, and book arts. Explores traditional and experimental materials and techniques. May repeat for credit.
Prerequisites: Varies with topic.
Offered: Occasionally.

ART 489 | Advanced Topics in Three-Dimensional Studio Art | 3 cr
Delves into advanced topics in three-dimensional media, including metals, fibers, ceramics, sculpture, woodworking, and book arts. Explores traditional and experimental materials and approaches at an advanced level. May be repeated for credit.
Prerequisites: Varies with topic.
Offered: Occasionally.

ART 490 | Special Topics in Art | 1-4 cr
Selected topics in art will be studied. Lab fee varies with topic.
Prerequisites: Varies with topic.
Offered: Occasionally.

ART 493 | Senior Studio | 4 cr
Provides opportunity for a rigorous, self-generated studio experience, focusing on the creation of a significant body of work as a culmination of the student's undergraduate education in the visual arts. Requires exhibition of artwork. May be repeated for credit with department permission. Lab fee varies by topic.
Prerequisites: Senior standing, department approval.
Offered: Fall, Spring.

ART 494 | Art Internship | 1-4 cr
Practical experience in studio and curatorial situations in business, industry, galleries and museums. Joint supervision by faculty member and organization representative. May repeat in different areas.
Prerequisites: Art major, junior standing; consent of instructor and department chair.
Offered: Fall, Spring.

ART 499 | Independent Study | 1-4 cr
Special projects selected by advanced level student and approved instructor. Includes a detailed project proposal.
Prerequisites: Consent of instructor and department chair.
Offered: Fall, Spring, Summer.

ART 690 | Special Topics in Art | 1-4 cr
Selected topics in art will be studied.
Prerequisites: Consent of instructor.
Offered: Occasionally.

ART 699 | Independent Study | 1-3 cr
Special projects selected by student and approved instructor. Includes a detailed project proposal.
Prerequisites: Consent of instructor and department chair.
Offered: Occasionally.

Associate of Arts and Science Online Collaborative (UWX)

UWX AN100 | Introduction to Anthropology | 3 cr
Introduces basic principles and concepts of anthropology and its four sub-fields -- Physical/Biological, Archaeology, Socio-Cultural and Linguistic. Provides students with a better understanding of the differences and similarities that exist among human societies and cultures of which they are a part.
Prerequisites: Admitted to AAS degree program or program advisor consent on space available basis.
Offered: Yearly.
Meets: Social & Behavioral Science: ANTH, Social & Behavioral Science: ANTH, Social & Behavioral Science: ANTH, Social & Behavioral Science: ANTH

UWX AR104 | Introduction to Graphic Design and Digital Art | 3 cr
Focuses on creating original designs, and applying techniques to a wide range of disciplines and practices, including graphic design, marketing, advertising, and video game design.
Prerequisites: Admitted to AAS degree program or program advisor consent on space available basis.
Offered: Yearly.
Meets: Humanities and the Arts: ART, Humanities and the Arts: ART, Humanities and the Arts: ART, Humanities and the Arts: ART, Humanities and the Arts: ART

UWX AR175 | Worlds of Art | 3 cr
Introduces visual arts to the non-art major. Focuses on art created by marginalized groups in the U.S. and their ethnic heritage. Multicultural perspectives will be explored -- specifically the impact of race, ethnicity, and gender identity have on artistic production, art criticism, art philosophies and aesthetics.
Prerequisites: Admitted to AAS degree program or program advisor consent on space available basis.
Offered: Yearly.
Meets: Humanities and the Arts: ART, Ethnic Diversity, Humanities and the Arts: ART, Ethnic Diversity, Humanities and the Arts: ART, Ethnic Diversity, Humanities and the Arts: ART, Ethnic Diversity, Humanities and the Arts: ART, Ethnic Diversity

UWX AS100 | Survey of Astronomy | 3 cr
Surveys astronomy including the solar system, stars, galaxies, cosmology, and methods astronomers use to learn about the Universe and disseminate their discoveries.
Prerequisites: Admitted to AAS degree program or program advisor consent on space available basis.
Offered: Yearly.
Meets: Natural Science: PHYS, Natural Science: PHYS, Natural Science: PHYS, Natural Science: PHYS, Natural Science: PHYS

UWX BL101 | Concepts of Biology | 4 cr
Introduces the fundamental principles of living organisms. Topics include cell structure and function, growth, basic physiological processes of living organisms, reproduction and inheritance, classification systems, evolution, and diversity of life.
Prerequisites: Admitted to AAS degree program or program advisor consent on space available basis.
Offered: Yearly.
Meets: Natural Science: BIOS, Natural Science: BIOS, Natural Science: BIOS, Natural Science: BIOS, Natural Science: BIOS

UWX BL285 | Anatomy and Physiology I | 4 cr
Examines the structure and function of the human body at the molecular, cellular, tissue, organ, and systems levels of organization. Emphasizes the integration of these levels of organization within the human organism, focusing on body organization, support, movement, and neural control.
Prerequisites: UWX BL101 or instructor consent; admitted to AAS degree program or program advisor consent on space available basis.
Offered: Yearly.
Meets: Natural Science: BIOS, Natural Science: BIOS, Natural Science: BIOS, Natural Science: BIOS, Natural Science: BIOS

UWX BL286 | Anatomy and Physiology II | 4 cr
Examines the structure and function of the human body at the molecular, cellular, tissue, organ, and system levels of organization. Emphasizes the integration of these levels of organization within the human organism.
Prerequisites: UWX BL285; admitted to AAS degree program or program advisor consent on space available basis.
Offered: Occasionally.
Meets: Natural Science: BIOS, Natural Science: BIOS, Natural Science: BIOS, Natural Science: BIOS, Natural Science: BIOS

UWX BU101 | Introduction to Business | 3 cr
Provides a broad overview of the environment, principles, and functions of business. Students will gain an understanding of business terminology and practices essential for success in industry. Students will learn about functional areas of business such as economics, management, marketing, technology, accounting and finance.
Prerequisites: Admitted to AAS degree program or program advisor consent on space available basis.
Offered: Yearly.
Meets: Social & Behavioral Science: BUS, Social & Behavioral Science: BUS, Social & Behavioral Science: BUS, Social & Behavioral Science: BUS, Social & Behavioral Science: BUS

UWX CH114 | Chemistry in the Kitchen | 4 cr
Explores the chemistry of food at a beginning level, including structure of molecules, interactions between molecules, and how foods change in the cooking process. Labs use kitchen materials, and include measurement, phase change, denaturation, extraction, and energy studies. Not a prerequisite for higher-level chemistry courses or pre-professional programs.
Prerequisites: Admitted to AAS degree program or program advisor consent on space available basis.
Offered: Yearly.
Meets: Natural Science: CHEM, Natural Science: CHEM, Natural Science: CHEM, Natural Science: CHEM, Natural Science: CHEM

UWX CH140 | General Chemistry I Lab | 1 cr
Introduces chemistry including matter and energy, atomic and molecular structure, bonding, reactions and stoichiometry, gas laws, and changes of state.
Prerequisites: UWX CH144 or concurrent enrollment; admitted to AAS degree program or program advisor consent on space available basis.
Offered: Yearly.
Meets: Natural Science: CHEM, Natural Science: CHEM, Natural Science: CHEM, Natural Science: CHEM, Natural Science: CHEM

UWX CH144 | General Chemistry I | 4 cr
Introduces chemistry including matter and energy, atomic and molecular structure, bonding, reactions and stoichiometry, gas laws, and changes of state.
Prerequisites: UWX MA093 with a grade of C or better; admitted to AAS degree program or program advisor consent on space available basis.
Offered: Yearly.
Meets: Natural Science: CHEM, Natural Science: CHEM, Natural Science: CHEM, Natural Science: CHEM, Natural Science: CHEM

UWX CM101 | Introduction to Public Speaking | 3 cr
Provides communication experiences intended to improve students' public speaking and listening skills across a broad spectrum of situations including intercultural communication, public communication, small group communication and interpersonal communication.
Prerequisites: Admitted to AAS degree program or program advisor consent on space available basis.
Offered: Yearly.
Meets: Humanities and the Arts: COMM, Humanities and the Arts: COMM, Humanities and the Arts: COMM, Humanities and the Arts: COMM, Humanities and the Arts: COMM

UWX CM114 | Interpersonal Communication | 3 cr
Examines how communication works in personal relationships (e.g., friends, romantic relationships, family). Emphasizes mastery and application of basic concepts through extensive discussion of interpersonal goals, needs, and wants in personal affairs to facilitate the development of knowledge, insights, and communicative skills in dyadic, face-to-face interaction.
Prerequisites: Admitted to AAS degree program or program advisor consent on space available basis.
Offered: Occasionally.
Meets: Humanities and the Arts: COMM, Humanities and the Arts: COMM, Humanities and the Arts: COMM, Humanities and the Arts: COMM, Humanities and the Arts: COMM

UWX CM213 | Intercultural Communication | 3 cr
Introduces students to the complex relationship between culture and communication. The role of communication and context (social, cultural, historical) in intercultural interactions is demonstrated through multiple perspectives. Examines issues surrounding theory development, such as ethical considerations and dialogues on opposing perspectives.
Prerequisites: Admitted to AAS degree program or program advisor consent on space available basis.
Offered: Yearly.
Meets: Social & Behavioral Science: COMM, Ethnic Diversity, Social & Behavioral Science: COMM, Ethnic Diversity, Social & Behavioral Science: COMM, Ethnic Diversity, Social & Behavioral Science: COMM, Ethnic Diversity, Social & Behavioral Science: COMM, Ethnic Diversity

UWX CS130 | Introduction to Programming | 3 cr
Explores fundamentals of computer programming. Including (but are not limited to): the vocabulary of computer programming, algorithms, use of computer programming to solve problems, fundamental control structures, and function/procedure-writing.
Prerequisites: UWX MA116; admitted to AAS degree program or program advisor consent on space available basis.
Offered: Yearly.
Meets: Natural Science: CSCI, Natural Science: CSCI, Natural Science: CSCI, Natural Science: CSCI, Natural Science: CSCI

UWX EC203 | Macroeconomics | 3 cr
Emphasizes macroeconomics analysis and covers areas such as national income, commercial banking, business fluctuations, monetary and fiscal policies and international trade.
Prerequisites: UWX MA093; admitted to AAS degree program or program advisor consent on space available basis.
Offered: Yearly.
Meets: Social & Behavioral Science: ECON, Social & Behavioral Science: ECON, Social & Behavioral Science: ECON, Social & Behavioral Science: ECON, Social & Behavioral Science: ECON

UWX EC204 | Microeconomics | 3 cr
Focuses on specific problems pertaining to individual, household, firm and business behavior. Emphasizes different market morphologies.
Prerequisites: UWX MA093; UWX EN101; admitted to AAS degree program or program advisor consent on space available basis.
Offered: Yearly.
Meets: Social & Behavioral Science: ECON, Social & Behavioral Science: ECON, Social & Behavioral Science: ECON, Social & Behavioral Science: ECON, Social & Behavioral Science: ECON

UWX ED230 | Educational Psychology | 3 cr
Explores child and adolescent development through the psychological principles of teaching and learning, emphasizing social, emotional, physical, and intellectual development. Focuses on the critical aspects of learning that may be encountered when working as a professional educator in a school setting.
Prerequisites: UWX PS101; admitted to AAS degree program or program advisor consent on space available basis.
Offered: Yearly.

UWX EN098 | Introduction to College Writing | 3 cr
Focuses on the conventions of academic writing, the composing process, critical thinking, and critical reading. Emphasizes reading and writing activities designed to prepare students for successful transition to college-level writing.
Prerequisites: Appropriate placement score; admitted to AAS degree program or program advisor consent on space available basis.
Offered: Yearly.

UWX EN101 | College Writing and Critical Reading | 3 cr
Focuses on academic writing, the writing process, and critical reading. Emphasizes essays that incorporate readings.
Prerequisites: UWX EN098 with a grade of C or better, or appropriate placement into UWX EN101 (ENGL 100); admitted to AAS degree program or program advisor consent on space available basis.
Offered: Yearly.

UWX EN102 | Critical Writing and Research | 3 cr

Focuses on researched academic writing that presents information, ideas, and arguments. Emphasizes the writing process, critical thinking, and critical reading.

Prerequisites: UWX EN101 with a grade of C or better, or appropriate placement; admitted to AAS degree program or program advisor consent on space available basis.

Offered: Yearly.

UWX EN203 | Creative Writing | 3 cr

In this workshop-based course, students will read creative writing and produce their own original works. Students will share drafts of their work in process with peers, revise their work based on feedback, and write reflectively and analytically about their own processes and products.

Prerequisites: UWX EN101 with a grade of C or better, or placement into UWX EN102 (ENGL 101); admitted to AAS degree program or program advisor consent on space available basis.

Offered: Yearly.

Meets: Humanities and the Arts: ENGL, Humanities and the Arts: ENGL, Humanities and the Arts: ENGL, Humanities and the Arts: ENGL, Humanities and the Arts: ENGL

UWX EN210 | Business Communication | 3 cr

Teaches students to effectively communicate in a variety of business settings. Students write messages, reports, proposals, and other professional documents; and present an oral report.

Prerequisites: Admitted to AAS degree program or program advisor consent on space available basis.

Offered: Yearly.

Meets: Humanities and the Arts: ENGL, Humanities and the Arts: ENGL, Humanities and the Arts: ENGL, Humanities and the Arts: ENGL, Humanities and the Arts: ENGL

UWX EN250 | Introduction to Literature | 3 cr

Introduces the discipline of literary studies through its fundamental approaches to reading, interpreting, and writing about a variety of texts, ranging from the classic to the contemporary with the goal of understanding, appreciating, and enjoying literature.

Prerequisites: UWX EN101 with a grade of C or better, or placement into UWX EN102 (ENGL 101); admitted to AAS degree program or program advisor consent on space available basis.

Offered: Yearly.

Meets: Humanities and the Arts: ENGL, Humanities and the Arts: ENGL, Humanities and the Arts: ENGL, Humanities and the Arts: ENGL, Humanities and the Arts: ENGL

UWX EN278 | Multicultural Literature in the United States | 3 cr

Examines literature written by, and expressing the perspectives of, writers from minority groups in the United States. Includes readings by contemporary writers focusing on the experiences of African, Asian, Hispanic, and Native Americans through their essays, poetry, fiction, and drama. As an interdisciplinary course, the literature is read in the context of American history and culture.

Prerequisites: UWX EN101 with a grade of C or better, or placement into UWX EN102 (ENGL 101); admitted to AAS degree program or program advisor consent on space available basis.

Offered: Yearly.

Meets: Humanities and the Arts: ENGL, Ethnic Diversity, Humanities and the Arts: ENGL, Ethnic Diversity, Humanities and the Arts: ENGL, Ethnic Diversity, Humanities and the Arts: ENGL, Ethnic Diversity, Humanities and the Arts: ENGL, Ethnic Diversity

UWX ES105 | Introduction to Environmental Science | 3 cr

Presents an overview of the interrelationships between humans and the environment.

Prerequisites: Admitted to AAS degree program or program advisor consent on space available basis.

Offered: Yearly.

Meets: Natural Science: ENVS, Natural Science: ENVS, Natural Science: ENVS, Natural Science: ENVS, Natural Science: ENVS

UWX FN210 | Personal Finance | 3 cr

Topics covered include reflection on personal priorities and values, identifying the social and environmental impacts of our consumer culture, consumerism, identifying important life and financial goals, principles of personal money management and financial planning, use of credit, budgets, insurance, buying a home, creating an estate, and providing for retirement.

Prerequisites: Admitted to AAS degree program or program advisor consent on space available basis.

Offered: Yearly.

Meets: Social & Behavioral Science: BUS, Social & Behavioral Science: BUS, Social & Behavioral Science: BUS, Social & Behavioral Science: BUS, Social & Behavioral Science: BUS

UWX GE100 | Physical Geography and the Environment | 3 cr

Investigates the patterns and processes of Earth's physical and biological systems and their influence on human behavior and distribution. Includes human impacts on climate, hydrologic cycle, and ecosystem development.

Prerequisites: None.

Offered: Occasionally.

Meets: Natural Science: GEOG, Natural Science: GEOG, Natural Science: GEOG, Natural Science: GEOG, Natural Science: GEOG

UWX GE170 | Disasters: Living on the Edge | 4 cr

Explores various environmental hazards, their causes, impacts on humans, and mitigations. Core topics are natural hazards (earthquakes, flooding, tornadoes, hurricanes), and anthropogenic hazards (climate change, nuclear hazards, overpopulation). Additional topics may be covered: coastal hazards, pollution, other atmospheric hazards, impacts from space, extinctions, biohazards, chemical hazards, and terrorism.

Prerequisites: Admitted to AAS degree program or program advisor consent on space available basis.

Offered: Yearly.

Meets: Natural Science: GEOS, Natural Science: GEOS, Natural Science: GEOS, Natural Science: GEOS, Natural Science: GEOS

UWX GS101 | Introduction to Gender, Sexuality and Women's Studies | 3 cr

Focuses on both historical and current ways in which women's lives are shaped by structures of power, and on analyzing how gender works in society and in our everyday lives. Includes feminist theory, intersectional identity, the social construction of gender, and reproductive justice.

Prerequisites: Admitted to AAS degree program or program advisor consent on space available basis.

Offered: Yearly.

Meets: Social & Behavioral Science: WGSS, Social & Behavioral Science: WGSS, Social & Behavioral Science: WGSS, Social & Behavioral Science: WGSS, Social & Behavioral Science: WGSS

UWX GS231 | Sex, Power, and Public Policy | 3 cr
Focuses on public policy issues of sex and gender, including voting and political rights, social and economic equality, reproduction and healthcare, marriage and family, and sex and sexuality.
Prerequisites: Admitted to AAS degree program or program advisor consent on space available basis.
Offered: Occasionally.
Meets: Social & Behavioral Science: WGSS, Social & Behavioral Science: WGSS, Social & Behavioral Science: WGSS, Social & Behavioral Science: WGSS, Social & Behavioral Science: WGSS

UWX HE106 | Lifetime Wellness and Self Growth | 3 cr
A contemporary examination of the effects of lifestyle, wellness, and health promotion on the individual. Instruction in procedures for self-evaluation as well as individualization of exercise prescription for the development of health fitness. A practical, application focused approach will be addressed in this course.
Prerequisites: None.
Offered: Occasionally.
Meets: Social & Behavioral Science: HKSM, Social & Behavioral Science: HKSM, Social & Behavioral Science: HKSM, Social & Behavioral Science: HKSM, Social & Behavioral Science: HKSM

UWX HE209 | Nutrition and Weight Management | 3 cr
Examines the basic principles of nutrition, digestion, and metabolism. Students will interpret and analyze the effects of these principles on one's diet, weight, fitness level, and overall health. students will reflect upon the conclusions drawn from the data, with the goal of integrating healthy behaviors into their personal lifestyle.
Prerequisites: Admitted to AAS degree program or program advisor consent on space available basis.
Offered: Yearly.
Meets: Natural Science: HKSM, Natural Science: HKSM, Natural Science: HKSM, Natural Science: HKSM, Natural Science: HKSM

UWX HS102 | U.S. History Since 1877 | 3 cr
Explores American political, economic, social and intellectual history from the era of the Civil War to the present. Integrates the historical experiences and contributions of racial and ethnic minorities within US society, fostering an understanding and appreciation at least two groups.
Prerequisites: Admitted to AAS degree program or program advisor consent on space available basis.
Offered: Yearly.
Meets: Social & Behavioral Science: HIST, Social & Behavioral Science: HIST, Social & Behavioral Science: HIST, Social & Behavioral Science: HIST, Social & Behavioral Science: HIST

UWX HS127 | The World in the 20th Century | 3 cr
Develops an understanding of human history since 1900.
Prerequisites: Admitted to AAS degree program or program advisor consent on space available basis.
Offered: Yearly.
Meets: Social & Behavioral Science: HIST, Social & Behavioral Science: HIST, Social & Behavioral Science: HIST, Social & Behavioral Science: HIST, Social & Behavioral Science: HIST

UWX LB103 | Diversity in the U.S. | 3 cr
Explores the breadth of diverse bodies, minds, and backgrounds that exist in the U.S. Students gain understanding about how they exist within, and contribute to, our country's diversity and will be better prepared to think and react critically to contemporary issues surrounding diversity.
Prerequisites: Admitted to AAS degree program or program advisor consent on space available basis.
Offered: Yearly.
Meets: Humanities and the Arts: LBST, Ethnic Diversity, Humanities and the Arts: LBST, Ethnic Diversity, Humanities and the Arts: LBST, Ethnic Diversity, Humanities and the Arts: LBST, Ethnic Diversity, Humanities and the Arts: LBST, Ethnic Diversity

UWX MA091 | Elementary Algebra | 3 cr
Topics include the real number system, operations with numbers and algebraic expressions, linear equations and inequalities, polynomials, factoring, graphing linear equations, and an introduction to quadratic equations.
Prerequisites: Appropriate math placement, admitted to AAS degree program or program advisor consent on space available basis.
Offered: Yearly.

UWX MA093 | Developmental Mathematics II | 3 cr
Emphasizes algebraic techniques with polynomials, fractional expression, exponents and radicals, linear and quadratic equations and inequalities. Introduces to functions, their graphs, and analytic geometry.
Prerequisites: UWX MA091 with a grade of C or better, or placement into UWX MA093; admitted to AAS degree program or program advisor consent on space available basis.
Offered: Yearly.

UWX MA108 | Quantitative Reasoning | 3 cr
Develops analytic reasoning and the ability to solve quantitative problems. Topics include construction and interpretation of graphs, functional relationships, descriptive statistics, math of finance, and exponential growth. Emphasizes appropriate use of units and dimensions, mathematical notation and available technology.
Prerequisites: UWX MA091 with a grade of C or better, or placement into UWX MA108 (MATH 104); admitted to AAS degree program or program advisor consent on space available basis.
Offered: Yearly.

UWX MA113 | Trigonmetry | 3 cr
Trigonometric functions, their basic properties and graphs, identities, inverse trigonometric functions, solving trigonometric equations, solutions of triangles.
Prerequisites: UWX MA116 with a grade of C or better, or placement into UWX MA113 (MATH 113); admitted to AAS degree program or program advisor consent on space available basis.
Offered: Yearly.

UWX MA116 | College Algebra | 3 cr
Properties of elementary functions, such as polynomial, absolute value, piecewise, radical, rational, exponential, and logarithmic functions. Topics include equations, inequalities, functions, and their graphs. Provides algebra skills required for calculus.
Prerequisites: UWX MA093 with a grade of C or better, or placement into UWX MA116 (MATH 112); admitted to AAS degree program or program advisor consent on space available basis.
Offered: Yearly.

UWX MA117 | Elementary Statistics | 4 cr

Introduces the collection and analysis of data, descriptive statistics, both graphical and numerical, elementary probability, general sampling distributions, and the fundamentals of statistical inference, including confidence intervals and hypothesis testing, simple regression, correlation, Chi-square goodness of fit and one-way ANOVA.
Prerequisites: UWX MA093 or MA108 with a grade of C or better, or placement into UWX MA117; admitted to AAS degree program or program advisor consent on space available basis.
Offered: Yearly.
Meets: Natural Science: MATH, Natural Science: MATH, Natural Science: MATH, Natural Science: MATH, Natural Science: MATH

UWX MA221 | Calculus I | 5 cr

The study of real valued functions of a single variable including limits and continuity, derivatives, antiderivatives, definite integrals and Riemann sums. Applications of differentiation and integration are covered.
Prerequisites: UWX MA116 and MA113 with a grade of C or better, or placement into UWX MA221; admitted to AAS degree program or program advisor consent on space available basis.
Offered: Yearly.
Meets: Natural Science: MATH, Natural Science: MATH, Natural Science: MATH, Natural Science: MATH, Natural Science: MATH

UWX MU278 | Rock and Roll Roots | 3 cr

Reveals the connections between, and fusion of, blues, jazz, gospel and several fold musical genres and how influenced Rock and Roll history.
Prerequisites: Admitted to AAS degree program or program advisor consent on space available basis.
Offered: Yearly.
Meets: Humanities and the Arts: MUS, Ethnic Diversity, Humanities and the Arts: MUS, Ethnic Diversity, Humanities and the Arts: MUS, Ethnic Diversity, Humanities and the Arts: MUS, Ethnic Diversity, Humanities and the Arts: MUS, Ethnic Diversity

UWX PH121 | Critical Thinking | 3 cr

Critical thinking is the process of identifying, analyzing, evaluating, and constructing reasoning in deciding what conclusions to draw or actions to take. This course will allow students to understand how others think and enable them to think more clearly.
Prerequisites: Admitted to AAS degree program or program advisor consent on space available basis.
Offered: Yearly.
Meets: Humanities and the Arts: PHIL, Humanities and the Arts: PHIL, Humanities and the Arts: PHIL, Humanities and the Arts: PHIL, Humanities and the Arts: PHIL

UWX PH237 | Technology, Values, and Society | 3 cr

Investigates technology and its relation to society and the individual. Examines ethical issues in technology, includes freedom, censorship, privacy, equality, democratic participation, intellectual property, education, law enforcement, institutional change, and work.
Prerequisites: Admitted to AAS degree program or program advisor consent on space available basis.
Offered: Yearly.
Meets: Humanities and the Arts: PHIL, Humanities and the Arts: PHIL, Humanities and the Arts: PHIL, Humanities and the Arts: PHIL, Humanities and the Arts: PHIL

UWX PL104 | Introduction to American Government and Politics | 3 cr

Examines how the American political system works, with emphasis on the U.S. Constitution, civil and political rights. the party system, elections, and the structure, powers, and processes of Congress, the presidency, and the courts.
Prerequisites: Admitted to AAS degree program or program advisor consent on space available basis.
Offered: Yearly.
Meets: Social & Behavioral Science: POLS, Social & Behavioral Science: POLS, Social & Behavioral Science: POLS, Social & Behavioral Science: POLS, Social & Behavioral Science: POLS

UWX PS101 | General Psychology | 3 cr

Introduces the history of the field of psychology, research methods, the biological basis of behavior, human cognition, human development, social behavior, and mental heath.
Prerequisites: Admitted to AAS degree program or program advisor consent on space available basis.
Offered: Yearly.
Meets: Social & Behavioral Science: PSYC, Social & Behavioral Science: PSYC, Social & Behavioral Science: PSYC, Social & Behavioral Science: PSYC, Social & Behavioral Science: PSYC

UWX PS250 | Lifespan Psychology | 3 cr

Surveys human development theories and research including the biological, cognitive, emotional, and social development of the individual from the prenatal period through old age.
Prerequisites: UWX PS101 with a grade of C- or better; admitted to AAS degree program or program advisor consent on space available basis.
Offered: Yearly.
Meets: Social & Behavioral Science: PSYC, Social & Behavioral Science: PSYC, Social & Behavioral Science: PSYC, Social & Behavioral Science: PSYC, Social & Behavioral Science: PSYC

UWX RE101 | Introduction to Religion | 3 cr

Introduces a number of the world's major religious traditions (Hinduism, Buddhism, Confucianism, Christianity, Judaism, and Islam) as well as several ways of studying these religions (anthropology, psychology, sociology, phenomenology, and economic approaches).
Prerequisites: Admitted to AAS degree program or program advisor consent on space available basis.
Offered: Yearly.
Meets: Humanities and the Arts: PHIL, Humanities and the Arts: PHIL, Humanities and the Arts: PHIL, Humanities and the Arts: PHIL, Humanities and the Arts: PHIL

UWX SC101 | Introduction to Sociology | 3 cr

Systematically examines social relationships by studying people in interaction with each other on a personal level, within and across social organizations, and across larger social systems.
Prerequisites: Admitted to AAS degree program or program advisor consent on space available basis.
Offered: Yearly.
Meets: Social & Behavioral Science: SOCA, Social & Behavioral Science: SOCA, Social & Behavioral Science: SOCA, Social & Behavioral Science: SOCA, Social & Behavioral Science: SOCA

UWX SC222 | Race and Ethnicity | 3 cr

Explores the socially-constructed nature of the concepts of race and ethnicity, including meanings and values social actors have attached to them, and the ways the social constructions help to rationalize and justify social inequality. Covers the significance of race and ethnicity in a variety of institutional and interpersonal contexts, including the labor force, the media, culture, and the criminal justice system.

Prerequisites: Admitted to AAS degree program or program advisor consent on space available basis.

Offered: Yearly.

Meets: Social & Behavioral Science: SOCA, Social & Behavioral Science: SOCA, Social & Behavioral Science: SOCA, Social & Behavioral Science: SOCA, Social & Behavioral Science: SOCA

UWX SC231 | Crime and Criminal Justice | 3 cr

Examines the American systems of Criminal Law and Justice in socio-historical context. Presents the three branches of the Criminal Justice system (Law Enforcement, Courts, Corrections) and critiques them against the backdrop of five cultural philosophies of criminal justice. Explores how crime is defined and measured, and how social sciences theorize causes of crime and crime patterns.

Prerequisites: Not recommended for first semester students; admitted to AAS degree program or program advisor consent on space available basis.

Offered: Yearly.

Meets: Social & Behavioral Science: CRMJ, Social & Behavioral Science: CRMJ, Social & Behavioral Science: CRMJ, Social & Behavioral Science: CRMJ, Social & Behavioral Science: CRMJ

UWX SP101 | First Semester Spanish | 4 cr

Introduces the Spanish language and the cultures of Spanish-speakers in the US and abroad through reading, writing, speaking, and listening activities. Covers the fundamentals of pronunciation and grammar. Not available for students with credit in: SPAN 103.

Prerequisites: Admitted to AAS degree program or program advisor consent on space available basis.

Offered: Yearly.

Meets: Humanities and the Arts: GNED, Humanities and the Arts: GNED, Humanities and the Arts: GNED, Humanities and the Arts: GNED, Humanities and the Arts: GNED

UWX SP102 | Second Semester Spanish | 4 cr

Develops initial proficiency in the Spanish language through both oral and written expression on a variety of topics and contexts. Explores Hispanic cultures through readings, presentations, and activities.

Prerequisites: UWX SP101; admitted to AAS degree program or program advisor consent on space available basis.

Offered: Yearly.

Meets: Humanities and the Arts: MODL, Humanities and the Arts: MODL, Humanities and the Arts: MODL, Humanities and the Arts: MODL, Humanities and the Arts: MODL

UWX SP236 | Cultures and Civilizations of Mexico, the Caribbean, Central and South America | 3 cr

Overview of major historical and cultural developments of the Spanish-speaking Americas from the time of European contact (1492) through the colonial period, national struggles for independence, and popular revolutions until the 21st century. Exploration of modern Latin America by region, with particular focus on how artistic, spiritual and other forms of cultural expression in each region can be understood as the result of a confluence of five centuries of indigenous, African disaporic, and Iberian/European influence.

Prerequisites: None.

Offered: Occasionally.

Meets: Humanities and the Arts: MODL, Humanities and the Arts: MODL, Humanities and the Arts: MODL, Humanities and the Arts: MODL, Humanities and the Arts: MODL

UWX SS310 | Media Literacy | 3 cr

Develops an informed, critical and practical understanding of the media and examines examples of media messages including entertainment, commercial and social media to critically evaluate the sources and target audiences.

Prerequisites: Admitted to AAS degree program or program advisor consent on space available basis.

Offered: Yearly.

Meets: Social & Behavioral Science: COMM, Social & Behavioral Science: COMM, Social & Behavioral Science: COMM, Social & Behavioral Science: COMM, Social & Behavioral Science: COMM

UWX SW150 | Social Advocacy and the Social Work Experience | 3 cr

Addresses the problems and issues within social services and advocates for social change. Explores Ethical citizenship and frameworks that guide social welfare states in policy and practice, and the social problems and human groups that are the focus of generalist social work practice. Requires volunteer work outside class time.

Prerequisites: Admitted to AAS degree program or program advisor consent on space available basis.

Offered: Occasionally.

Meets: Social & Behavioral Science: SOCA, Social & Behavioral Science: SOCA, Social & Behavioral Science: SOCA, Social & Behavioral Science: SOCA, Social & Behavioral Science: SOCA

BA Flex Accounting and Economics (BAEF)

BAEF 100X | Microeconomic Market Analysis I | 1 cr

Analyzes both consumption and production sides of markets; identifies factors involved in changes in the equilibrium prices and production levels.

Prerequisites: Admission to the Flexible Option Program and consent of program representative.

BAEF 101X | Microeconomic Market Analysis II | 2 cr

Introduces the process of creating a market analysis. Includes instruction related to writing a proposal, research paper, and creating a video presentation of research results.

Prerequisites: BAEF 100X; admission to the Flexible Option Program and consent of program representative.

BAEF 110X | Government Budget Process | 1 cr
Exposes students to the dynamic process of balancing government budgets. Covers topics such as the national debt, budget deficits, spending cuts, and the difficulties of balancing budgets.
Prerequisites: Admission to the Flexible Option Program and consent of program representative.

BAEF 111X | Business Cycle Analysis | 2 cr
Explores the topic of economic recessions within a capitalist framework. Invites a deep understanding of fiscal and monetary policies that could be used to remedy the problem.
Prerequisites: BAEF 110X; admission to the Flexible Option Program and consent of program representative.

BAEF 200X | Financial Accounting: The Language of Business | 2 cr
Introduces basic accounting concepts including debts, credits, accounts, as well as the principles and constraints of accounting.
Prerequisites: Admission to the Flexible Option Program and consent of program representative.

BAEF 201X | Financial Accounting: Ethics and Internal Controls | 1 cr
Examines an organization's system of internal controls focusing on ethics and improvements geared to enhance efficient operations and accurate accounting information.
Prerequisites: BAEF 200X; admission to the Flexible Option Program and consent of program representative.

BAEF 210X | Cost Accounting Fundamentals and Applications | 1 cr
Focuses on methods of cost accounting fundamentals including cost classification, overhead rate development and application, and various costing methods. Includes direct/indirect costs, product/period costs, direct materials/labor costs, and manufacturing overhead.
Prerequisites: BAEF 201X; admission to the Flexible Option Program and consent of program representative.

BAEF 211X | Master Budget and Variance Analysis | 1 cr
Highlights the process of preparing a master budget and completing an overall performance evaluation through a variance analysis. Includes a variety of budgets and topics such as sales, schedule of cash collections, production, direct materials, schedule of case disbursements, direct labor, manufacturing overhead, finished goods inventory, and selling and administrative expenses.
Prerequisites: BAEF 210X; admission to the Flexible Option Program and consent of program representative.

BAEF 212X | Using Managerial Accounting Information for Decision Making | 1 cr
Correlates accounting information with business decision-making by exploring the relationships between cost, volume, and profit, as well as complete calculations related to contribution margin, target profit, break-even analysis, margin of safety, and operating levels.
Prerequisites: BAEF 210X; admission to the Flexible Option Program and consent of program representative.

BAEF 300X | Capital Budgeting Techniques | 1 cr
Provides an opportunity to create a business report which includes various mathematical computations to determine a project's after-tax cash flow, net present value, internal rate of return, profitability index, and the minimum required rate of return.
Prerequisites: BAMA 102X; admission to the Flexible Option Program and consent of program representative.

BAEF 301X | Stock Market Performance | 1 cr
Offers the experience of preparing a stock market performance report, which includes analysis of the Dow Jones Industrial Average, S&P 500, and the NASDAQ composite indexes.
Prerequisites: Admission to the Flexible Option Program and consent of program representative.

BAEF 302X | Business Financial Ratio Analysis | 1 cr
Provides an opportunity to create an executive report, which will determine the valuation of a selected firm. Focuses on detailed analysis by use of four different financial calculators.
Prerequisites: Admission to the Flexible Option Program and consent of program representative.

BA Flex Business Analytics (BABA)

BABA 300X | Introduction to Business Analytics Applications | 1 cr
Introduces statistical techniques using spreadsheets to business applications in different functional areas.
Prerequisites: BAMA 300X; admission to the Flexible Option Program and consent of program representative.

BABA 301X | Visualization Tools for Data Analytics | 3 cr
Explores techniques for visualizing and analyzing business data.
Prerequisites: Admission to the Flexible Option Program and consent of program representative.

BABA 302X | R Fundamentals for Business Analytics | 2 cr
Introduces the use of R as a statistical and visualization tool.
Prerequisites: BAMA 300X; admission to the Flexible Option Program and consent of program representative.

BABA 303X | AI and Machine Learning Business Applications using R | 1 cr
Introduces applications of R for machine learning and AI involving business data.
Prerequisites: BABA 302X; admission to the Flexible Option Program and consent of program representative.

BABA 304X | Python Fundamentals for Data Analytics and Machine Learning | 2 cr
Explores use of Python as a statistical tool for analyzing business data.
Prerequisites: BAMA 300X; admission to the Flexible Option Program and consent of program representative.

BABA 305X | Data Analytics Applications in Marketing and Sales | 1 cr
Explores applying data analytics tools to marketing.
Prerequisites: BABA 301X, 303X; admission to the Flexible Option Program and consent of program representative.

BABA 306X | Data Analytics Applications in Human Resources and Strategic Management | 1 cr
Provides opportunity to apply data analytics tools to human resource management and strategic management.
Prerequisites: Admission to the Flexible Option Program and consent of program representative.

BABA 307X | Data Analytics Applications in Operations and Supply Chain | 1 cr
Provides opportunity to apply data analytics tools for analyzing operations and supply chains.
Prerequisites: Admission to the Flexible Option Program and/or consent of program representative.

BABA 308X | Data Analytics Applications in Accounting | 1 cr
Covers the use of accounting data and analytics tools through financial statement analysis and anomaly detection in business transactions.
Prerequisites: BABA 301X, 303X; admission to the Flexible Option Program and consent of program representative.
Offered: Yearly.

BA Flex Leadership and Management (BALM)

BALM 100X | Introduction to Business Administration | 1 cr
Orients student to the academic design of the major and to the professional competencies in their intended discipline.
Prerequisites: Admission to the Flexible Option Program and consent of program representative.

BALM 200X | Analysis of a Selected Organization's Navigation of Law and Ethics | 3 cr
Examines negotiation, conciliation court rules and complaints, as well as the paperwork to form a limited liability company. Culminates in an interview with a business owner covering how the business owner plans for potential disputes, uses contracts, has selected a legal entity for the business, deals with government regulations, and the role ethics plays in the business operation.
Prerequisites: Admission to the Flexible Option Program and consent of program representative.

BALM 300X | Introduction to the HRM Function | 3 cr
Explores the function of human resource management (HRM) within organizations, including how it contributes to organizational strategy, the difference between strategic and transactional HRM, and how HRM supports other business areas. Covers basic skills in the areas of job analysis, recruitment, selection, training, development, compensation, employee relations, employment/labor law, ethics, and performance management.
Prerequisites: Admission to the Flexible Option Program and consent of program representative.

BALM 310X | Organizational Behavior and Leadership | 4 cr
Explores effective behavior in organizations covering the individual in the workplace, teams and team dynamics, and applying the knowledge in an organizational setting. Includes evaluating, assessing, and recommending appropriate communication styles and strategies related to specific business scenarios.
Prerequisites: ENGL 101; admission to the Flexible Option Program and consent of program representative.

BALM 320X | Project Planning, Requirements, and Stakeholder Management | 2 cr
Provides an opportunity for the creation of a comprehensive project plan. Requires completion of a project charter, project scope statement, cost benefit analysis, work breakdown structure, and other components using Microsoft Project.
Prerequisites: BAMA 102X, BAOS 300X; admission to the Flexible Option Program and consent of program representative.

BALM 321X | Project Budget, schedule, Quality and Risk Management | 1 cr
Applies critical path analysis, earned value analysis, risk analysis, probability impact matrix, project quality management tools, and project management process groups and knowledge areas to a given project scenario. Explains how the five process groups and ten knowledge areas interact with each other.
Prerequisites: BALM 320X; admission to the Flexible Option Program and consent of program representative.

BALM 400X | Strategic Management | 3 cr
Introduces strategic management, the different levels of planning in an organization, and the organizational structure as it pertains to planning. Includes the process of conducting a SWOT analysis of a local organization and its setting, seek out opportunities and risks, and provide a set of recommendations that will lead to a competitive advantage.
Prerequisites: BAEF 302X, BAMS 301X, BALM 310X, BAOS 300X, 321X; admission to the Flexible Option Program and consent of program representative.

BALM 410X | Designing Solutions for Business Challenges | 4 cr
Identifies an organization and its business challenges, designs solutions, identifies one best possible solution, and formulates the solution. Includes design of a mechanism to monitor and evaluate the effectiveness of the solution on a regular basis.
Prerequisites: BALM 300X, 400X; admission to the Flexible Option Program and consent of program representative.

BA Flex Marketing and Sales (BAMS)

BAMS 300X | Marketing Foundations Concepts and Application | 2 cr
Examines integration of the marketing function into the operation of a successful organization, including the role of marketing, the impact of the external environment on marketing strategies, market segmentation analysis, the concepts of the marketing mix, and conducting market research.
Prerequisites: Admission to the Flexible Option Program and consent of program representative.

BAMS 301X | Marketing Plan | 2 cr
Develops and presents a comprehensive marketing plan for an organization's products and/or services.
Prerequisites: BAMS 300X and ENGL 101; admission to the Flexible Option Program and consent of program representative.

BAMS 310X | Sales Concepts and Application | 1 cr
Examines the integration of the sales function into the operation of a successful organization, including the role of professional selling in meeting organizational objectives, the sales process, and the effectiveness of sales calls in the context of major sales models, buyer type, and buying situations.
Prerequisites: Admission to the Flexible Option Program and consent of program representative.

BAMS 311X | Sales and Sales Territory Management Practicum | 2 cr
Provides an opportunity to execute a professional sales call, plan and organize sales activities, and evaluate the student's own strengths and weakness related to sales functions.
Prerequisites: BAMS 310X; admission to the Flexible Option Program and consent of program representative.

BA Flex Math and Analysis (BAMA)

BAMA 300X | Business Analytics I | 2 cr
Performs data analysis, applying techniques such as probability, normal distributions, and applications of chi-Square. Analyzes a business scenario based on statistical results.
Prerequisites: BAOS 300X, BAMA 102X; admission to the Flexible Option Program and consent of program representative.

BAMA 301X | Business Analytics II | 2 cr
Continues to perform data analysis, applying various Regression and ANOVA techniques. Analyzes a given situation based on statistical results.
Prerequisites: BAMA 300X; admission to the Flexible Option Program and consent of program representative.

BA Flex Operation Management (BAOS)

BAOS 300X | Sales Data Analysis and Communication Using Spreadsheets and Statistics | 2 cr
Delves into statistical concepts and how to compute them with spreadsheet formulas and other features.
Prerequisites: Admission to the Flexible Option Program and consent of program representative.

BAOS 301X | Database Design and Development | 1 cr
Appraises data needs of a business scenario, developing database design, constructing database, designing and running queries and reports needed for business decisions.
Prerequisites: BAOS 300X; admission to the Flexible Option Program and consent of program representative.

BAOS 302X | Building Competitive Advantage Using Information Systems | 1 cr
Constructs information system based on processes of hypothetical scenario, identifies security vulnerabilities of that information system and articulates its competitive advantages.
Prerequisites: BAOS 300X; admission to the Flexible Option Program and consent of program representative.

BAOS 303X | Enterprise Systems and E-Commerce | 1 cr
Examines usefulness, design, documentation and infrastructure of E-Commerce systems. Presents plan in framework of communication to key stakeholders; explains measurement and monitoring of effectiveness of design.
Prerequisites: BAOS 300X; admission to the Flexible Option Program and consent of program representative.

BAOS 310X | Reshoring Product Manufacturing | 2 cr
Examines analysis of imported product, reasons for outsourcing, Total Cost of Ownership (TCO), TCO estimates, and recommends for manufacturing location.
Prerequisites: Admission to the Flexible Option Program and consent of program representative.

BAOS 311X | Issues in Global Business | 2 cr
Examines economic, technological and cultural dimensions of doing business in a selected country for a hypothetical company; reports recommendations for expansion into market as a new sales territory.
Prerequisites: BAOS 310X and ENGL 101; admission to the Flexible Option Program and consent of program representative.

BAOS 320X | Evaluating Competitive Priorities in Operations Management | 1 cr
Evaluates gap between expected and actual performance levels to improve efficiency of business management, using gap analysis technique; identifies resources needed to solve problems; recommends how to approach operations issues under resources constraints.
Prerequisites: BAMA 301X; admission to the Flexible Option Program and consent of program representative.

BAOS 321X | Improving Productivity in Operations | 2 cr
Identifies areas for improvement in operations productivity; develops plan for business performance improvement; describes expected results; discusses key competitive priorities defined by operations; evaluates extent of organizational support for these priorities.
Prerequisites: BAOS 320X; admission to the Flexible Option Program and consent of program representative.

BAOS 400X | Foundational Concepts in Supply Chain Management | 1 cr
Identifies different types of products, supply chain characteristics, and corresponding strategies for managing operations; evaluates gaps and alignments between competitive and supply chain strategies. Applies techniques to improve customer service; provides recommendations for customized service and omnichannel experience to customers; evaluates the role of technology in managing supply chains.
Prerequisites: BAOS 321X; admission to the Flexible Option Program and consent of program representative.

BAOS 401X | Sourcing and Supplier Management Strategies in Supply Chains | 1 cr
Analyzes sourcing strategies; applies purchasing portfolio model and strategic cost management to make sourcing decisions. Evaluates performance of suppliers; provides feedback to suppliers.
Prerequisites: BAOS 400X; admission to the Flexible Option Program and consent of program representative.

BAOS 402X | Inventory Management and Distribution Strategies in Supply Chains | 1 cr
Formulates and applies various inventory models; calculate different types of costs associated with given inventory and distribution strategy; evaluates and selects potential for a new facility.
Prerequisites: BAOS 401X; admission to the Flexible Option Program and consent of program representative.

Biological Sciences (BIOS)

BIOS 100 | Nature of Life | 3 cr
Explores nature of living things and current developments in biology. Designed specifically for non-science majors; not for credit toward biological sciences major. Three-hour lecture or online.
Prerequisites: None.
Offered: Fall, Spring, Summer.
Meets: Natural Science: BIOS, Natural Science: BIOS, Natural Science: BIOS, Natural Science: BIOS, Natural Science: BIOS

BIOS 101 | Bioscience | 4 cr
This course focuses on biochemistry, cell biology, genetics, and molecular biology. It is intended to provide a background upon which upper division courses will be built. Three-hour lecture; three-hour lab.
Prerequisites: MATH 111 or concurrent enrollment; placement into ENGL 100 or higher.
Offered: Fall, Spring.
Meets: Natural Science: BIOS, Natural Science: BIOS, Natural Science: BIOS, Natural Science: BIOS, Natural Science: BIOS

BIOS 102 | Organismal Biology | 4 cr
A broad introduction to the diversity of life, recognizing functional similarities and dissimilarities as related to successful adaptation to the environment. It is intended to provide a background upon which upper division courses will be built. Three-hour lecture; three-hour lab.
Prerequisites: MATH 111 or concurrent enrollment; placement into ENGL 100 or higher.
Offered: Fall, Spring.

BIOS 103 | Human Biology | 3 cr
A general course which covers basic information about the human body. Designed specifically for non-science majors; not for credit toward biological sciences major. 3-hour lecture.
Prerequisites: None.
Offered: Yearly.
Meets: Natural Science: BIOS, Natural Science: BIOS, Natural Science: BIOS, Natural Science: BIOS, Natural Science: BIOS

BIOS 104 | Environmental Science: Biological Approach | 3 cr
The study of the associations between human populations, biodiversity, resources, technology, lifestyles and environmental crisis from a biological approach. Meets DPI content requirement in environmental education; not for credit toward biological sciences major.
Prerequisites: None.
Offered: Summer.
Meets: Natural Science: BIOS, Natural Science: BIOS, Natural Science: BIOS, Natural Science: BIOS, Natural Science: BIOS

BIOS 105 | Human Physiology and Anatomy I | 5 cr
An integrated lecture/laboratory course using a system approach to understand structure and function of the human body. Topics include homeostasis, biological and chemical principles, tissues, skin, skeleton, muscles and digestion, and includes cat dissection and cadaver demonstration. Three-hour lecture; two-hour discussion; two-hour lab.
Prerequisites: None.
Offered: Fall, Spring.

BIOS 106 | Human Physiology and Anatomy II | 5 cr
A continuation of BIOS 105; focusing on the nervous, immune, circulatory, respiratory, urinary, endocrine and reproductive systems. Not for credit toward biological sciences major. Three-hour lecture; two-hour discussion; two-hour lab.
Prerequisites: BIOS 105.
Offered: Fall, Spring.

BIOS 109 | Biology of Aging | 3 cr
Introduces the process of human aging. Explains fundamental principles of human physiology and how it relates to successful aging. Includes student team presentations.
Prerequisites: None.
Offered: Spring.
Meets: Natural Science: BIOS, Natural Science: BIOS, Natural Science: BIOS, Natural Science: BIOS, Natural Science: BIOS

BIOS 114 | Freshmen Seminar in Biological/Health Sciences | 1 cr
Overview of education, careers, and potential growth opportunities in health-related fields and biological sciences. Not for credit towards biological sciences major. Two-hour lecture.
Prerequisites: None.
Offered: Fall.

BIOS 125 | Fundamentals of Freshwater | 3 cr
Covers the physical, chemical, and biological aspects of water required to understand contemporary economic, political, and environmental water issues through local, national, and international scopes. Three-hour lecture.
Prerequisites: None.
Offered: Spring.
Meets: Natural Science: ENVS, Natural Science: ENVS, Natural Science: ENVS, Natural Science: ENVS, Natural Science: ENVS

BIOS 190 | Fundamentals of Human Nutrition | 2 cr
A study of requirements and functions of essential nutrients throughout life. Cultural influences on food habits and the basis for diet assessment will also be discussed. Recommended for UW-Milwaukee nursing students. Not for credit toward biological sciences major. Two-hour lecture.
Prerequisites: BIOS 106 and CHEM 215 or concurrent enrollment.
Offered: Spring.

BIOS 202 | General Microbiology | 4 cr
Explores structure, growth, reproduction, and activities of microorganisms including medical applications. Covers isolation and propagation of bacteria. Not for credit toward biological sciences major/minor. Three-hour lecture; three-hour lab.
Prerequisites: BIOS 105 or NURS 251; CHEM 102 and CHEM 104, or CHEM 115.
Offered: Fall.

BIOS 207 | Research Process in Biology | 2 cr
Introduces the methods of scientific inquiry and the skills needed to be productive in a research environment. Fosters a dynamic perspective of science, where ongoing observation, experimentation and interpretation continuously shape understanding.
Prerequisites: BIOS 101 or BIOS 102; and consent of instructor.
Offered: Fall.

BIOS 210 | Biostatistics | 4 cr
Introduces quantitative methods of scientific inference used in the analysis and design of biological observations and experiments. Topics include measurement, sampling, descriptive statistics, analysis of variance, correlation, regression, and analysis of frequencies. Three-hour lecture; three-hour lab.
Prerequisites: BIOS 101, BIOS 102 and MATH 112, MATH 113 or equivalent.
Offered: Fall, Spring.

BIOS 260 | General Genetics | 4 cr
Explains fundamental principles including transmission, molecular and population genetics. Introduces lab techniques for investigating organisms including microorganisms, plants, lower animals and humans. Three-hour lecture; three-hour lab.
Prerequisites: BIOS 101, BIOS 102; BIOS 210 or concurrent registration and CHEM 102, CHEM 104.
Offered: Fall, Spring.

BIOS 290 | Special Topics in Biological Sciences | 1-4 cr
Selected topics in the biological sciences. May repeat with different topic.
Prerequisites: Varies with topic.
Offered: Occasionally.

BIOS 300 | Human Functional Anatomy | 4 cr
Fundamental study of organization and structure of tissues, organs and systems of the human body and their relationship to function. Three-hour lecture; three-hour lab.
Prerequisites: BIOS 101 and BIOS 102 or consent of instructor.
Offered: Fall, Spring.

BIOS 301 | Cell Biology | 3 cr
Studies cells and cellular organelles. Emphasizes the relationship between cellular and macromolecular structure and function. Three-hour lecture and one-hour discussion.
Prerequisites: BIOS 260, and CHEM 322, or concurrent registration.
Offered: Spring (odd years).

BIOS 303 | Microbiology | 4 cr
Advanced treatment of the structure, growth and activities of microorganisms including medical microbiology, microbial pathogenesis and environmental microbiology. Three-hour lecture; three-hour lab. Multi-career cross-listing: BIOS 503.
Prerequisites: BIOS 260 or consent of instructor.
Offered: Spring.

BIOS 305 | Principles of Ecology | 4 cr
Introduces the relations of plants and animals to their organic and inorganic environments emphasizing phenomena and causes of distribution and abundance at the population and community levels. Includes a field-oriented laboratory. Three-hour lecture; three-hour lab; field trips. Multi-career cross-listing: BIOS 505.
Prerequisites: BIOS 101, BIOS 102 and BIOS 210.
Offered: Fall (odd years).

BIOS 307 | Biochemical Metabolism | 3 cr
A study of the chemistry of biological systems with emphasis on metabolism and macromolecular biosynthesis. Three-hour lecture. Cross-listed with: CHEM 307.
Prerequisites: BIOS 101, BIOS 102 and CHEM 322 or consent of instructor.
Offered: Fall.

BIOS 309 | Molecular Biology | 3 cr
Study of DNA, RNA, and Proteins; the regulation or their synthesis; and the important roles they have in cells and organisms. Three-hour lecture/discussion. Multi-career cross-listing: BIOS 509.
Prerequisites: BIOS 260; CHEM 322 or concurrent enrollment.
Offered: Spring.

BIOS 310 | Freshwater Ecology | 4 cr
Examines fundamental concepts in freshwater ecology, including the physical and chemical aspects of water and the significance of these properties for plants and animals at the individual, population and community levels. Includes experimental research and field surveys. Three-hour lecture; three-hour lab. Multi-career cross-listing: BIOS 510.
Prerequisites: BIOS 101, BIOS 102, BIOS 210 (concurrent enrollment) or equivalent, or consent of instructor.
Offered: Fall (even years).

BIOS 311 | Parasitology | 4 cr
Investigates the biology, ecology, classification, and significance of parasitic animals of humans and wildlife in Southeast Wisconsin. Includes host-parasite interactions, distribution of parasites throughout the world and examination of parasite life cycles and transmission. Three-hour lecture; three-hour laboratory.
Prerequisites: BIOS 101, BIOS 102; or consent of instructor.
Offered: Fall (odd years).

BIOS 313 | Invertebrate Zoology | 4 cr
Explores the diversity, distribution, ecology, and evolutionary relationships of nonchordate animals, emphasizing Arthropoda. Includes experimental research and field surveys. Three-hour lecture; Three-hour lab.
Prerequisites: BIOS 101, BIOS 102 and BIOS 210.
Offered: Fall (even years).

BIOS 314 | Evolutionary Biology | 3 cr
Introduces basic mechanisms of evolutionary change including population genetics and speciation. Considers evolutionary history including phylogenetic estimation, the fossil record, and biogeography. Three-hour lecture. Multi-career cross-listing: BIOS 514.
Prerequisites: BIOS 101, BIOS 102, BIOS 260.
Offered: Spring.

BIOS 317 | Developmental Biology | 3 cr
Study of developmental anatomy and molecular mechanisms of development among representative vertebrate models from cleavage through organogenesis. Three-hour lecture.
Prerequisites: BIOS 101, BIOS 102; or consent of instructor.
Offered: Spring.

BIOS 318 | Vertebrate Zoology | 4 cr
An introduction to the biology of vertebrates with emphasis on structure, diversity, evolution, and distribution. Field trips. Three-hour lecture; three-hour lab.
Prerequisites: BIOS 101, BIOS 102 or consent of instructor.
Offered: Fall.

BIOS 324 | Botany | 4 cr
Studies the plant kingdom through the lens of ecology and evolution, emphasizing economic and cultural uses. Three-hour lecture; three-hour lab. Requires lab fees.
Prerequisites: BIOS 101, BIOS 102, and BIOS 210.
Offered: Spring (even years).

BIOS 329 | Paleontology | 3 cr
Applies principles, practices, and procedures to important fossil invertebrate groups; generalized discussion of plants and vertebrates; elements of biostratigraphy; paleoenvironmental interpretations. Field trips. Two-hour lecture; two-hour lab. Cross-listed with: GEOS 309.
Prerequisites: GEOS 102 or BIOS 102.
Offered: Spring.

BIOS 330 | Topics in Field Biology: | 3 cr
A field-oriented course including topics such as ecology of major biomes, geographical and geological impact on organisms, aspects of plant/animal systematics. The course will focus on selected areas of interest in field biology. Field trips. Special fees required. One-hour lecture.
Prerequisites: BIOS 101, BIOS 102 or consent of instructor.
Offered: Occasionally.

BIOS 333 | Restoration Ecology | 4 cr
Explores the diversity, distribution, ecology, and evolutionary relationships of nonchordate animals, with an emphasis on Arthropoda. Includes experimental research and field surveys. Three-hour lecture; three-hour lab.
Prerequisites: BIOS 102 or BIOS 104 or ENVS 101.
Offered: Occasionally.

BIOS 336 | Conservation Ecology | 3 cr
Examines the fundamental ecological and cultural drivers of the biodiversity crisis emphasizing proven strategies for maintaining and improving ecological diversity in our local and regional ecosystems. Three-hour lecture. Multi-career cross-listing: BIOS 536.
Prerequisites: BIOS 101, BIOS 102 and BIOS 210.
Offered: Spring (odd years).

BIOS 340 | Animal Behavior | 4 cr
Emphasizes the evolution and complexity of animal behaviors based on a variety of animal species from invertebrates to mammals. Three-hour lecture; three hour lab.
Prerequisites: BIOS 210.
Offered: Fall (even years).

BIOS 341 | Mammalian Physiology | 3 cr
Advanced treatment of major mammalian organ systems and their roles in homeostasis.
Prerequisites: BIOS 210, CHEM 321, or consent of instructor; BIOS 300 recommended.
Offered: Fall.

BIOS 342 | Mammalian Physiology Laboratory | 1 cr
Uses models, computer programs, and experiments to examine major mammalian organ systems and their role in homeostasis. Three-hour laboratory.
Prerequisites: BIOS 341, concurrent registration in BIOS 341, or consent of instructor.
Offered: Fall.

BIOS 344 | Plant Physiology | 3 cr
Examines plant growth, development and nutrition form the physiology point of view. Includes aspects of plants in food production, the environment and human health.
Prerequisites: BIOS 101, BIOS 102.
Offered: Occasionally.

BIOS 351 | Virology | 3 cr
Presents a broad overview of viruses and other subcellular infectious agents with respect to their molecular structure, diversity of chemical composition, taxonomy, and strategies of infection and replication. Bacteriophage, plant viruses, and animal viruses will be discussed. Special topics include biotechnological applications of viruses, the remodeling of their hosts by bacteriophage, defense against viral infection, and viruses and cancer.
Prerequisites: BIOS 260, CHEM 321, or consent of instructor.
Offered: Occasionally.

BIOS 355 | Biology of Cancer | 3 cr
Explores the genetic and molecular mechanisms underlying the broad disease of cancer. Three-hour lecture/discussion.
Prerequisites: BIOS 260, and CHEM 322 or concurrent registration.
Offered: Fall (even years).

BIOS 390 | Special Topics in Bioiological Sciences | 1-4 cr
Selected topics in the biological sciences. May repeat with different topic.
Prerequisites: Varies with topic.
Offered: Occasionally.

BIOS 411 | Microbial Physiology and Diversity | 3 cr
Explores diverse molecular mechanisms of microbial physiology. Topics include microbial regulation of gene expression, metabolism, behavior, symbiosis, and applications to biotechnology. Three-hour lecture/discussion. Multi-career cross-listing: BIOS 611.
Prerequisites: BIOS 303 or consent of instructor.

BIOS 414 | Molecular Evolution | 3 cr
Examines the evolution of nucleic acids and proteins. Five major topics: genetic variability; the causes of molecular evolution and the neutral theory; methods of detecting genetic variability; the use of molecular markers for estimating phylogeny; and the evolution of genome structure. Three-hour lecture/discussion. Multi-career cross-listing: BIOS 614.
Prerequisites: BIOS 309 or BIOS 314, or consent of instructor.
Offered: Occasionally.

BIOS 435 | Experimental Methods/Biochemistry Laboratory | 2 cr
Familiarization with the use of scientific instruments and techniques, and developing proficiency in the process of scientific investigation. This is a capstone course intended for Biological Sciences majors who have completed all 200-level core courses. Four-hour lab. Cross-listed with: CHEM 308.
Prerequisites: CHEM 322 and consent of instructor.
Offered: Fall, Spring.

BIOS 436 | Conservation Ecology Lab | 2 cr
Provides practical experience applying the theories from general ecology and conservation ecology toward developing strategies for protecting and enhancing ecological diversity. Emphasizes mastering the multi-dimensional methods, tools and skills needed by modern conservation professionals. Multi-career cross-listing: BIOS 636.
Prerequisites: BIOS 305 or BIOS 336 or concurrent registration; or consent of instructor.
Offered: Spring (odd years).

BIOS 445 | Research Methods in Ecology and Evolution | 2 cr
Provides a capstone experience in applied field and laboratory research. Includes sampling natural and experimental populations and ecological communities coupled with multivariate statistical and analytical methods commonly used in ecology and evolutionary biology. One-hour lecture; three-hour lab. Requires lab fees. Multi-career cross-listing: BIOS 645.
Prerequisites: BIOS 305, BIOS 310 or BIOS 314 (or concurrent enrollment), and consent of instructor.
Offered: Fall.

BIOS 453 | Molecular Biology and Bioinformatics of Nucleic Acids | 4 cr
Covers techniques and theory of nucleic acid isolation (DNA and RNA) and analysis including laboratory and computational methods. Includes common laboratory methods for isolating and characterizing nucleic acids. Eight hour lecture/lab. Multi-career cross-listing: BIOS 653.
Prerequisites: BIOS 260, BIOS 309, and consent of instructor.
Offered: Fall.

BIOS 455 | Protein Biochemistry and Bioinformatics | 4 cr
Provides practical experience in protein expression, purification, and characterization with emphasis on enzymology and use of computer programming for development of relevant bioinformatics applications. Eight-hour lecture/lab. Requires lab fee. Multi-career cross-listing: BIOS 655.
Prerequisites: BIOS 260, BIOS 309, and consent of instructor.
Offered: Spring.

BIOS 489 | Molecular Biology and Bioinformatics Senior Project | 1 cr
Students work independently on a project, applying skills and knowledge acquired from previous course work. Students submit a written report and give a public, oral presentation of their project. May be repeated for maximum of 2 credits.
Prerequisites: BIOS 453, BIOS 455; and consent of instructor.
Offered: Fall, Spring, Summer.

BIOS 490 | Advanced Topics in Biological Sciences: | 1-4 cr
Selected topics in the biological sciences.
Prerequisites: Varies with topic.
Offered: Occasionally.

BIOS 494 | Internship | 1-3 cr
Provides learning experiences in which a student works with a sponsoring organization in either the public or private sector under the joint guidance of a member of the sponsoring organization and a faculty member. Graded credit/no credit. Maximum of 3 credits may be used toward elective credit in the major.
Prerequisites: BIOS 210, 2.80 GPA, consent of instructor and department chair.
Offered: Fall, Spring, Summer.

BIOS 495 | Senior Seminar | 1 cr
Each participant presents several seminars involving literature search, synthesis of research data, and organization into an effective oral presentation.
Prerequisites: Senior standing; instructor consent.
Offered: Fall, Spring.

BIOS 499 | Independent Study | 1-3 cr
Student research performed under the supervision of a regular faculty member. A maximum of 3 credits can be used as electives towards the biological sciences major requirements.
Prerequisites: Consent of instructor and department chair; Junior standing and minimum 2.80 GPA in BIOS courses recommended.
Offered: Fall, Spring, Summer.

BIOS 503 | Microbiology | 4 cr
Advanced treatment of the structure, growth, and activities of microorganisms including medical microbiology, microbial pathogenesis and environmental microbiology. Three hour lecture; three-hour lab. Multi-career cross-listing: BIOS 303.
Prerequisites: BIOS 260.
Offered: Spring.

BIOS 505 | Principles of Ecology | 4 cr
Introduces the relations of plants and animals to their organic and inorganic environments emphasizing phenomena and causes of distribution and abundance at the population and community levels. Includes a field-oriented laboratory. Three-hour lecture; three-hour lab; field trips. Requires lab fees. Multi-career cross-listing: BIOS 305.
Prerequisites: BIOS 101, BIOS 102 and BIOS 210.
Offered: Fall (odd years).

BIOS 509 | Molecular Biology | 3 cr
Regulation of DNA, RNA, and protein synthesis and the control of the synthesis of other macromolecules. Three-hour lecture/discussion. Multi-career cross-listing: BIOS 309.
Prerequisites: BIOS 260; CHEM 322 and consent of instructor.
Offered: Spring.

BIOS 510 | Freshwater Ecology | 4 cr
Examines fundamental concepts in freshwater ecology, including the physical and chemical aspects of water and the significance of these properties for plants and animals at the individual, population and community levels. Includes experimental research and field surveys. Three-hour lecture; three-hour lab. Multi-career cross-listing: BIOS 310.
Prerequisites: BIOS 101, BIOS 102, BIOS 210 (concurrent enrollment) or equivalent, or consent of instructor.
Offered: Fall (even years).

BIOS 514 | Evolutionary Biology | 3 cr
Introduces basic mechanisms of evolutionary change including population genetics and speciation. Considers evolutionary history including phylogenetic estimation, the fossil record, and biogeography. Three-hour lecture. Multi-career cross-listing: BIOS 314.
Prerequisites: BIOS 101, BIOS 102, BIOS 260.
Offered: Spring.

BIOS 536 | Conservation Ecology | 3 cr
Examines the fundamental ecological and cultural drivers of the biodiversity crisis emphasizing proven strategies for maintaining and improving ecological diversity in our local and regional ecosystems. Three-hour lecture. Multi-career cross-listing: BIOS 336.
Prerequisites: BIOS 101, BIOS 102, and BIOS 210.
Offered: Spring (odd years).

BIOS 611 | Microbial Physiology and Diversity | 3 cr
Explores diverse molecular mechanisms of microbial physiology. Topics include microbial regulation of gene expression, metabolism, behavior, symbiosis, and applications to biotechnology. Three-hour lecture/discussion. Multi-career cross-listing: BIOS 411.
Prerequisites: BIOS 303 or consent of instructor.

BIOS 612 | Biometry | 4 cr
Covers statistical methods for ecological and evolutionary studies. Three-hour lecture; three-hour lab.
Prerequisites: BIOS 210 or equivalent; and consent of instructor.
Offered: Spring.

BIOS 614 | Molecular Evolution | 3 cr
Examines the evolution of nucleic acids and proteins. Five major topics: genetic variability; the causes of molecular evolution and the neutral theory; methods of detecting genetic variability; the use of molecular markers for estimating phylogeny; and the evolution of genome structure. Three-hour lecture/discussion. Multi-career cross-listing: BIOS 414.
Prerequisites: BIOS 309 or BIOS 314, or consent of instructor.
Offered: Occasionally.

BIOS 636 | Conservation Ecology Lab | 2 cr
Provides practical experience applying the theories from general ecology and conservation ecology toward developing strategies for protecting and enhancing ecological diversity. Emphasizes mastering the multi-dimensional methods, tools and skills needed by modern conservation professionals. Multi-career cross-listing: BIOS 436.
Prerequisites: BIOS 305 or 336 or concurrent registration; or consent of instructor.
Offered: Spring (odd years).

BIOS 645 | Research Methods in Ecology and Evolution | 2 cr
Provides a capstone experience in applied field and laboratory research. Includes sampling natural and experimental populations and ecological communities coupled with multivariate statistical and analytical methods commonly used in ecology and evolutionary biology. One-hour lecture; three-hour lab. Requires lab fees. Multi-career cross-listing: BIOS 445.
Prerequisites: BIOS 305, BIOS 310 or BIOS 314 (or concurrent enrollment), and consent of instructor.
Offered: Fall.

BIOS 653 | Molecular Biology and Bioinformatics of Nucleic Acids | 4 cr
Covers techniques and theory of nucleic acid isolation (DNA and RNA) and analysis including laboratory and computational methods. Includes common laboratory methods for isolating and characterizing nucleic acids. Eight-hour lecture/lab. Requires lab fee. Multi-career cross-listing: BIOS 453.
Prerequisites: BIOS 260, BIOS 309, and consent of instructor.
Offered: Fall.

BIOS 655 | Protein Biochemistry and Bioinformatics | 4 cr
Provides practical experience in protein expression, purification, and characterization with emphasis on enzymology and use of computer programming for development of relevant bioinformatics applications. Not open to students with credit in BIOS 455. Eight-hour lecture/lab. Requires lab fee. Multi-career cross-listing: BIOS 455.
Prerequisites: BIOS 260, BIOS 309, and consent of instructor.
Offered: Spring.

BIOS 675 | Advanced Molecular Biology | 3 cr
In-depth coverage of selected research topics in molecular biology, including DNA replication, transcription, translation, and other current topics. Three-hour lecture.
Prerequisites: BIOS 260, BIOS 309 or BIOS 509, and consent of instructor.
Offered: Yearly.

BIOS 690 | Advanced Topics in Molecular Biology | 1-4 cr
Selected advanced topics in the molecular biology.
Prerequisites: BIOS 260, BIOS 309 or BIOS 509; and consent of instructor.
Offered: Occasionally.

BIOS 699 | Independent Study | 1-6 cr
Advanced study performed under the supervision of a regular faculty member. Suitability as an elective for the masters of applied molecular biology is determined on a case-by-case basis by the MAMB program committee.
Prerequisites: Consent of instructor and department chair.
Offered: Fall, Spring.

BIOS 711 | Thesis | 1-9 cr
Dissertation for master of science in applied molecular biology. Graded on a credit/no-credit basis.
Prerequisites: Consent of instructor.
Offered: Fall, Spring.

BIOS 731 | Graduate Seminar | 1 cr
Examines research reports and special topics from recent literature in biological sciences. Graded on a credit/no-credit basis.
Prerequisites: Consent of instructor.
Offered: Fall, Spring.

Business (BUS)

BUS 100 | Introduction to Business | 3 cr
Introduces the role of business in modern society including the functional areas of the business enterprises. Not open to juniors and seniors majoring in business.
Prerequisites: None.
Offered: Fall, Spring, Summer.
Meets: Social & Behavioral Science: BUS, Social & Behavioral Science: BUS, Social & Behavioral Science: BUS, Social & Behavioral Science: BUS, Social & Behavioral Science: BUS

BUS 201 | Experiencing Business | 3 cr
Provides experiences in local business environments including marketing, finance and manufacturing operations to explore career opportunities. Requires field trips. Community-based learning designation.
Prerequisites: Not recommended for first semester freshman.
Offered: Fall, Spring.
Meets: Social & Behavioral Science: BUS, Community Based Learning, Social & Behavioral Science: BUS, Community Based Learning, Social & Behavioral Science: BUS, Community Based Learning, Social & Behavioral Science: BUS, Community Based Learning, Social & Behavioral Science: BUS, Community Based Learning

BUS 271 | Business Communication for International Students | 3 cr
Prepares international students for classes and the English speaking business environment.
Prerequisites: None.
Offered: Occasionally.

BUS 272 | Legal Environment of Business | 3 cr
Explores the legal and ethical environment in which business operates, with emphasis on government regulation.
Prerequisites: None.
Offered: Fall, Spring.

BUS 290 | Special Topics in Business | 1-3 cr
Selected topics in business management. Subject varies; see current course schedule.
Prerequisites: None.
Offered: Occasionally.

BUS 357 | Entrepreneurship Principles and Leadership | 3 cr
Covers the theory and application of entrepreneurship and leadership principles through integrating a community-based service-learning project, guest speaker presentations, and on-site visits to new ventures and regional resource centers.
Prerequisites: Completion of a minimum of 54 credits.
Offered: Spring.

BUS 372 | Business Law | 3 cr
Covers substantive areas of law relating to business including contracts, the Uniform Commercial Code and business organizations.
Prerequisites: BUS 272; completion of a minimum of 54 credits; business major/minor.
Offered: Spring.

BUS 427 | Introduction to Supply Chain Management | 3 cr
Covers basic terminologies, concepts and tools that are involved in managing supply chain operations. Emphasizes qualitative and quantitative tools and techniques used in managerial decision making.
Prerequisites: QM 210.
Offered: Fall, Spring.

BUS 432 | Services Management | 3 cr
Examines design and management of service businesses. Includes processes, technology, location, customer service, capacity and demand queues, as well as quantitative tools.
Prerequisites: MGT 349 and MKT 350.
Offered: Spring.

BUS 465 | Demand Supply Analytics: Distribution, Procurement, and Inventory Models | 3 cr
Introduces supply chain analytics and the analytical model with a strategic perspective using simulated data and real-world scenarios. Covers demand forecasting, inventory and logistics planning, and supply-demand integration for various products.
Prerequisites: None.
Offered: Fall.

BUS 466 | Global Negotiations and Supplier Relations | 3 cr
Covers skills in developing and maintaining relationships with suppliers and negotiating contracts and growth. Explores global intercultural communication and international negotiation. Examines techniques, methodologies, and theory related to each of these areas.
Prerequisites: None.
Offered: Spring.

BUS 467 | Managing Pricing, Risks and Finances in Supply Chains | 3 cr
Illustrates the cross-functional attributes of supply chains providing pragmatic and strategic perspectives of real-world supply chains. Covers payment cycles and options, pricing strategies, and the impact of supply chain decisions on financial statements. Explores building resilient supply chains through risk analysis.
Prerequisites: None.
Offered: Spring.

BUS 490 | Special Topics in Business: | 1-3 cr
Selected topics in business management. Subject varies; see current course schedule. May repeat with different topic.
Prerequisites: Dependent on subject matter.
Offered: Occasionally.

BUS 493 | Competitive Decision Making | 3 cr
Provides experiential learning competitive decision making via online business simulation, performance analysis, results presentations, and class participation. Students will make a series of inter-related decisions about R&D, pricing, sales forecasting, advertising and promotion, production planning, total quality management, human resources, and financial management in an integrated business environment. Focuses on student decision making skills in a high-growth, virtual company, with extensive immediate feedback, and class discussion of business cause and effect.
Prerequisites: MKT 350.
Offered: Occasionally.

BUS 494 | Internship in Business | 1-3 cr
Provides actual or quasi on-the-job learning experiences in which a student works with a single sponsoring organization in either the public or private sector. Credit/no-credit grading basis.
Prerequisites: As provided in guidelines and policies available in Business Department; consent of instructor; department chair.
Offered: Fall, Spring, Summer.

BUS 495 | Capstone in Strategic Management | 3 cr
Focuses on strategic management as a critical function and responsibility of general managers. Encompasses all functional areas of an organization including marketing, finance, accounting, human resources, and management information systems. Develops critical skills in analyzing organizations, their competitive environments, and strategic alternatives.
Prerequisites: Senior standing; FIN 330, MGT 349, MKT 350; business major/minor.
Offered: Fall, Spring, Summer.

BUS 499 | Independent Study in Business | 1-3 cr
Provides an opportunity to conduct research projects in an appropriate area of business. May be repeated for a maximum of six credits.
Prerequisites: As identified in guidelines and policies in the Business Department; consent instructor, department chair.
Offered: Fall, Spring, Summer.

Center for Professional Studies (CPS)

CPS 103 | Introduction to Smart Cities | 3 cr
Explores key concepts and ideas in the field of Smart Cities. Examines presuppositions about the principles that will inform interactions and life in future cities.
Prerequisites: None.
Offered: Fall.
Meets: Social & Behavioral Science: CPS, Social & Behavioral Science: CPS, Social & Behavioral Science: CPS, Social & Behavioral Science: CPS, Social & Behavioral Science: CPS

CPS 104 | Introduction to Race and Ethnicity Concepts | 3 cr
Examines race and ethnicity in the United States. Emphasizes building critical skills, considering historical and socio-economic contexts, questioning assumptions, identifying inconsistencies, asking questions, modifying assertions, and formulating responses.
Prerequisites: None.
Offered: Fall, Spring.
Meets: Social & Behavioral Science: CPS, Ethnic Diversity, Social & Behavioral Science: CPS, Ethnic Diversity, Social & Behavioral Science: CPS, Ethnic Diversity, Social & Behavioral Science: CPS, Ethnic Diversity, Social & Behavioral Science: CPS, Ethnic Diversity

CPS 107 | Introduction to Esports | 1 cr
Provides a general overview of esports including the history of esports development, leagues, games, etiquette, and the health related components of esports such as injuries.
Prerequisites: None.
Offered: Fall.

CPS 490 | Special Topics in Professional Studies | 3 cr
Provides opportunity for an in-depth study of new and/or special-interest subject areas within the discipline. Course may be repeated with a different topic for a maximum of 6 credits.
Prerequisites: None.
Offered: Occasionally.

Chemistry (CHEM)

CHEM 100 | The World of Chemistry | 3 cr
Introduces basic principles of chemistry including the composition of matter, measurement, nomenclature, calculations and reactions. Discusses current issues in science and technology and application of basic chemical principles to everyday life. Intended for non-science majors. Three-hour lecture.
Prerequisites: None.
Offered: Fall, Spring, Summer.
Meets: Natural Science: CHEM, Natural Science: CHEM, Natural Science: CHEM, Natural Science: CHEM, Natural Science: CHEM

CHEM 101 | General Chemistry I | 4 cr
Introduces fundamental principles of chemistry including atomic theory, periodic properties, energy, stoichiometry, nomenclature, bonding, Lewis structures, and aqueous solution chemistry. Four-hour lecture.
Prerequisites: MATH 111 or concurrent enrollment; or CHEM 100 with a C or better; and CHEM 103 or concurrent enrollment.
Offered: Fall, Spring.
Meets: Natural Science: CHEM, Natural Science: CHEM, Natural Science: CHEM, Natural Science: CHEM, Natural Science: CHEM

CHEM 102 | General Chemistry II | 4 cr
Covers fundamental principles of chemistry for science majors including topics in intermolecular forces and molecular properties, kinetics, thermodynamics, electrochemistry, chemical equilibrium and nuclear chemistry. Four-hour lecture.
Prerequisites: CHEM 101, CHEM 103, CHEM 104 or concurrent enrollment.
Offered: Fall, Spring, Summer.

CHEM 103 | General Chemistry Lab I | 1 cr
First semester lab sequence in general chemistry. Explores atomic and molecular properties, classification schemes for chemical reactions, aqueous solution chemistry, and calorimetry. Three-hour lab; lab fees.
Prerequisites: CHEM 101 or concurrent enrollment.
Offered: Fall, Spring.

CHEM 104 | General Chemistry Lab II | 1 cr
Explores through project-based learning, molecular modeling, kinetics, chemical equilibrium, acid-base chemistry, coordination chemistry, qualitative analysis through solubility and some quantitative analysis. Provides the second semester lab sequence in general chemistry. Three-hour lab. Requires lab fee.
Prerequisites: CHEM 103; CHEM 102 or concurrent enrollment.
Offered: Fall, Spring, Summer.

CHEM 115 | Chemical Science | 4 cr
Examines the fundamental principles of chemistry including the atomic nature of matter, chemical reactions, gases, solutions, acids and bases, and nuclear chemistry. Not open to students with credit in CHEM 102. May not be applied to the chemistry major. Requires lab fee. Three-hour lecture; three-hour lab.
Prerequisites: UW-Milwaukee math proficiency or UW-Parkside MATH 104 or MATH 111.
Offered: Fall.
Meets: Natural Science: CHEM, Natural Science: CHEM, Natural Science: CHEM, Natural Science: CHEM, Natural Science: CHEM

CHEM 155 | Chemistry Seminar: Careers, Safety and Literature | 3 cr
Introduces the technical disciplines of chemistry, the applied fields, and various career options. Develops chemical safety and information skills. Guest speakers are anticipated.
Prerequisites: CHEM 101; chemistry major; or consent of instructor.
Offered: Occasionally.

CHEM 206 | Quantitative Chemical Analysis | 5 cr
Introduces the evaluation of analytical data and reports associated with chemical analyses. Explores complex aqueous systems, and presents an overview of electoranalytical chemistry, chromatography and spectroscopy. Emphasizes spectroscopic and chromatographic laboratory techniques, and some thermal analyses. Two-hour lecture, one-hour discussion, six-hour lab. Requires lab fee.
Prerequisites: CHEM 102 and 104 with C or better in each; or consent of instructor.
Offered: Fall.

CHEM 210 | Introduction to Inorganic Chemistry | 3 cr
Covers the principles of the coordination chemistry of the transition metals. Emphasis on molecular orbital theory and its relevance to spectroscopy, magnetic properties, and reactivity of transition metal compounds. Discusses bioinorganic and organometallic chemistry as well as catalysis, the solid state, and relevant spectroscopic techniques.
Prerequisites: CHEM 102, CHEM 321 or concurrent; or consent of instructor.
Offered: Fall (even years).

CHEM 215 | Organic and Biochemistry | 4 cr
Explores organic chemistry and the structure and function of important biomolecules and energy metabolism. Not open to students with credit in CHEM 322 or BIOS 307. Lab fee. Three-hour lecture; two-hour lab.
Prerequisites: CHEM 102 and CHEM 104 or CHEM 114 or CHEM 115.
Offered: Spring.

CHEM 230 | Introduction to Green Chemistry | 2 cr
Studies the principles of green chemistry and their application to contemporary problems. The purpose of green chemistry is to protect and benefit the economy, people and the planet by finding creative and innovative ways to reduce waste, conserve energy, and discover replacements for hazardous substances. Two-hour lecture.
Prerequisites: CHEM 215 or CHEM 321 or concurrent registration in CHEM 321 or consent of instructor.
Offered: Occasionally.

CHEM 231 | Green Chemistry Lab | 2 cr
Illustrates the principles of green chemistry and their application to contemporary problems through laboratory experiments. Lab fee. Four-hour lab.
Prerequisites: CHEM 215 or CHEM 321 or concurrent registration in CHEM 321 or consent of instructor.
Offered: Occasionally.

CHEM 290 | Special Topics in Chemistry | 1-4 cr
Selected topics in chemistry. May repeat with different topic.
Prerequisites: Consent of instructor.
Offered: Occasionally.

CHEM 298 | Independent Study: Literature and/or Computational Research | 1-3 cr
Provides opportunity for individual projects involving literature research or computational studies conducted under the direct supervision and guidance of a staff member. Usually graded on credit/no-credit basis and not applied to GPA.
Prerequisites: Consent of instructor and department chair.
Offered: Fall, Spring, Summer.

CHEM 299 | Independent Study | 1-3 cr
Provides opportunity for research (experimental or theoretical projects) under the direct supervision and guidance of a regular staff member.
Prerequisites: CHEM 101 with C or better and consent of instructor, department chair.
Offered: Fall, Spring, Summer.

CHEM 302 | Physical Chemistry I | 4 cr
Examines thermodynamics and chemical kinetics. Includes spreadsheets and higher level programming for numerical analysis, electronic structure calculations, and molecular simulations. Three-hour lecture; three-hour lab.
Prerequisites: C or better in CHEM 206, MATH 221, and PHYS 202; or consent of instructor.
Offered: Fall.

CHEM 303 | Physical Chemistry II | 3 cr
Covers statistical mechanics, quantum mechanics, and spectroscopy.
Prerequisites: CHEM 302, PHYS 202; or consent of instructor.
Offered: Spring.

CHEM 304 | Physical Chemistry Lab I | 2 cr
Focuses on macroscopic phenomena experiments including physical properties of matter, kinetics, and thermodynamics. Four-hour lab. Lab fee.
Prerequisites: CHEM 302, PHYS 202; or consent of instructor.
Offered: Spring.

CHEM 306 | Chemical Instrumentation | 3 cr
Examines construction and principles of operation of modern instruments and their use in the chemistry laboratory. Three-hour lecture.
Prerequisites: C or better in CHEM 206; completion of PHYS 202 and CHEM 323; or consent of instructor.
Offered: Fall (even years).

CHEM 307 | Biochemical Metabolism | 3 cr
A study of the chemistry of biological systems, with emphasis on metabolism and macromolecular biosynthesis. Three-hour lecture. Cross-listed with: BIOS 307.
Prerequisites: CHEM 322 or consent of instructor.
Offered: Fall.

CHEM 308 | Biochemistry Laboratory | 2 cr
Familiarization with the use of scientific instruments and techniques, and developing proficiency in the process of scientific investigation. This course is appropriate for Chemistry majors who have completed CHEM 307 or 324. Four-hour lab.
Cross-listed with: BIOS 435.
Prerequisites: CHEM 322 and consent of instructor.
Offered: Fall, Spring.

CHEM 310 | Inorganic Chemistry | 3 cr
Addresses descriptive and synthetic inorganic chemistry; emphasizes chemical periodicity, coordination compounds, and inorganic reaction mechanisms. Three-hour lecture.
Prerequisites: CHEM 303 or concurrent registration.
Offered: Occasionally.

CHEM 321 | Organic Chemistry I | 4 cr
Studies aliphatic and aromatic compounds with emphasis on structure, reaction mechanisms, and synthesis. Introduces spectroscopy. Three-hour lecture; one-hour discussion.
Prerequisites: CHEM 102, CHEM 104; or CHEM 114.
Offered: Fall, Spring.

CHEM 322 | Organic Chemistry II | 4 cr
A continuation of CHEM 321. More extensive use of spectroscopy in the elucidation of structures and reaction mechanisms. The chemistry of functional groups, syntheses, and selected topics. Three-hour lecture; one-hour discussion.
Prerequisites: CHEM 321.
Offered: Fall, Spring.

CHEM 323 | Organic Chemistry Lab | 2 cr
Introduces the methodology, techniques, and procedures of organic chemistry, including basic principles of green chemistry, the use of chemical literature, and laboratory record keeping. Emphasizes the synthesis and spectroscopic characterization of organic compounds. Four-hour lab. Requires fees.
Prerequisites: CHEM 322 or concurrent registration or consent of instructor.
Offered: Fall, Spring, Summer.

CHEM 324 | Chemistry of Biological Systems | 3 cr
Structures, synthesis and characterization of biological molecules including proteins, carbohydrates, nucleic acids, and primary and secondary metabolites. Chemical mechanisms of biological reactions. Biochemical thermodynamics and kinetics. Three-hour lecture.
Prerequisites: CHEM 322.
Offered: Fall.

CHEM 335 | Clinical Chemistry I | 3 cr
Explores biological samples, analytes, and assays pertinent to the clinical laboratory. Includes electrolyte, carbohydrate, protein, lipid, vitamin, and mineral analytes and the techniques utilized to detect and quantify such materials. Cross-listed with: AHS 335.
Prerequisites: AHS 300, CHEM 215.
Offered: Fall.

CHEM 336 | Clinical Chemistry II | 3 cr
Investigates metabolism and diagnostic procedures for analysis of metabolism and human disease. Analyzes data for indicators of common pathophysiology and human disease markers. Lecture. Cross-listed with: AHS 336.
Prerequisites: AHS 335 or CHEM 335.
Offered: Fall.

CHEM 350 | Chemistry of Natural Products | 3 cr
Surveys natural product classification and biosynthesis, the role of secondary metabolites, synthetic natural product synthesis and the role of natural products in human life extension.
Prerequisites: CHEM 324.
Offered: Occasionally.

CHEM 355 | Survey of Industrial Chemistry | 3 cr
Covers industrial applications of chemistry including a survey of the chemical industry and its principal products, mass and energy balances as applied to chemical processes, and the comparative economics of chemical processes.
Prerequisites: CHEM 230 and CHEM 322; or consent of instructor.
Offered: Occasionally.

CHEM 390 | Special Topics in Chemistry | 1-3 cr
Selected topics in chemistry. May repeat with different topic.
Prerequisites: None.
Offered: Occasionally.

CHEM 398 | Independent Study: Literature and/or Computational Research | 1-3 cr
Provides opportunity for individual projects involving literature research or computational studies conducted under the direct supervision and guidance of a staff member. Usually graded on credit/no-credit basis and not applied to GPA.
Prerequisites: CHEM 298, or C or better in CHEM 206 or in CHEM 321; and consent of instructor and department chair.
Offered: Fall, Spring, Summer.

CHEM 400 | Instrumental Analysis Laboratory | 3 cr
Experiments in trace analysis utilizing electrochemical and optical methods as well as gas and liquid chromatography. Six-hour lab.
Prerequisites: CHEM 206 or CHEM 208 with a C or better (in either), or consent.
Offered: Spring.

CHEM 401 | Advanced Organic Laboratory | 3 cr
Advanced multi-step synthesis and characterization of organic and some inorganic compounds. Structure elucidation by classical and instrumental methods such as IR, NMR, GC/MS, and UV spectroscopy. Includes applications of the principles of green chemistry. Six-hour lab. Lab fee: $100.
Prerequisites: CHEM 322 and CHEM 323 with C or better (in both).
Offered: Fall.

CHEM 402 | Advanced Organic Chemistry | 3 cr
Investigates selected topics in mechanistic, theoretical, heterocyclic, and physical organic chemistry. Three-hour lecture.
Prerequisites: CHEM 322 with C or better.
Offered: Fall (odd years).

CHEM 410 | Advanced Biochemistry | 3 cr
Explores advanced topics in biochemistry including thermodynamics, protein structure, and enzyme kinetics and mechanisms. Three-hour lecture. Multi-career cross-listing: CHEM 620.
Prerequisites: CHEM307 or BIOS 307 or CHEM 324 or consent of instructor.
Offered: Spring (even years).

CHEM 450 | Current and Future Directions in Natural Products | 3 cr
Delves into historical, current and future methods in natural products identification, characterization, and production.
Prerequisites: CHEM 350.
Offered: Occasionally.

CHEM 490 | Special Topics in Chemistry | 1-3 cr
Selected topics in chemistry. May repeat with different topic.
Prerequisites: Consent of instructor.
Offered: Occasionally.

CHEM 494 | Internship in Chemistry | 1-3 cr
Work in a chemistry related position under the joint guidance of a faculty member and an on-site supervisor. Projects will specify learning goals and objectives related to the theory and application of modern chemistry. Usually graded on a credit/no credit basis. May be repeated for up to six credits.
Prerequisites: CHEM 206 or CHEM 208 or CHEM 323; GPA of 2.5 or higher and consent of instructor and department chair.
Offered: Fall, Spring.

CHEM 495 | Senior Seminar | 1 cr
Research and presentation of selected topics from chemical literature. One-hour discussion.
Prerequisites: Junior or senior standing.
Offered: Spring.

CHEM 497 | Senior Thesis | 1 cr
Thesis based on experimental work or literature search.
Prerequisites: Senior standing, chemistry major and consent of instructor.
Offered: Fall, Spring.

CHEM 499 | Independent Study | 1-3 cr
Provides opportunity for individual projects of an experimental or theoretical nature conducted under the direct supervision and guidance of a staff member. Usually credit/no-credit grading basis and not applied to GPA. Requires lab fee.
Prerequisites: C or better in one of: CHEM 206, CHEM 299 or CHEM 323; and consent of instructor and department chair.
Offered: Fall, Spring, Summer.

CHEM 620 | Advanced Biochemistry | 3 cr
Explores advanced topics in biochemistry including thermodynamics, protein structure, and enzyme kinetics and mechanisms. Not open to students with credit in CHEM 410. Three-hour lecture. Multi-career cross-listing: CHEM 410.
Prerequisites: CHEM 307 or BIOS 307 or CHEM 324 or consent of instructor.
Offered: Spring (even years).

Clinical Mental Health Counseling (CMHC)

CMHC 700 | Professional Counseling Orientation and Ethics | 3 cr
Provides an orientation to professional counseling, ethical standards, and wellness model. Explores the role of advocacy and social justice in the counseling field and includes orientation to reflective counseling practice.
Prerequisites: Admission to MS in Clinical Mental Health Counseling program.
Offered: Fall.

CMHC 702 | Counseling Skills and Strategies | 3 cr
Provides an in-depth orientation to skills and strategies of intervention used in professional counseling settings. Offers students the opportunity to practice and apply skills in triads with peers. Utilizes assignments to develop competencies in counseling practice.
Prerequisites: Admission to MS in Clinical Mental Health Counseling program.
Offered: Fall.

CMHC 704 | Counseling Theories | 3 cr
Provides an introduction to the major systematic approaches to clinical mental health counseling. Examines theoretical case conceptualization and interventions, and psychotherapy research and integration.
Prerequisites: Admission to MS in Clinical Mental Health Counseling program.
Offered: Fall.

CMHC 706 | Group Counseling | 3 cr
Provides an in-depth orientation to group counseling leadership skills and strategies for management of group counseling. Offers students an opportunity to experience being a group member while simultaneously developing knowledge in group theories and group leadership skills.
Prerequisites: Admission to MS in Clinical Mental Health Counseling program.
Offered: Fall.

CMHC 714 | Lifespan Development in Counseling | 3 cr
Provides an introduction to human growth and development across the lifespan. Examines influences on multiple domains of human development, and the implications for professional counseling practice.
Prerequisites: Admission to MS in Clinical Mental Health Counseling program.
Offered: Fall.

CMHC 716 | Social and Cultural Foundations of Counseling | 3 cr
Introduces social, cultural, and diversity issues in professional counseling. Examines multiculturally competent professional counseling practice, counselor cultural self-awareness, the socially and culturally diverse society in which counselors work, and roles of professional counselors to promote social justice and advocacy.
Prerequisites: Admission to MS in Clinical Mental Health Counseling program.
Offered: Spring.

CMHC 720 | Assessment Procedures in Counseling | 3 cr
Introduces assessment procedures in professional counseling. Focuses on different domains and procedures of assessment, psychometrics, test scores, integration of assessment results in counseling, and ethical use of assessment procedures.
Prerequisites: Admission to MS in Clinical Mental Health Counseling program.
Offered: Summer.

CMHC 722 | Research and Evaluation in Counseling | 3 cr
Introduces research and evaluation in professional counseling. Presents types of research designs, basic statistics, research implementation, research report development, and publication of research information. Includes the use of program evaluation and needs assessment.
Prerequisites: Admission to MS in Clinical Mental Health Counseling program.
Offered: Spring.

CMHC 740 | Foundations of Clinical Mental Health Counseling | 3 cr
Provides an orientation to clinical mental health counseling, roles of clinical mental health counselors in employment settings, and functions of counselors in professional settings. Introduces crisis intervention models and the role of advocacy and social justice in the field.
Prerequisites: Admission to the MS in Clinical Mental Health Counseling program.
Offered: Spring.

CMHC 742 | Abnormal Behavior and Psychopathology | 3 cr
Provides an overview of abnormal behavior and psychopathology consistent with the current DSM Manual. Offers a framework to consider pathology in the context of the counseling profession, including the wellness model, strengths-based assessments, and trauma-informed care.
Prerequisites: Admission to MS in Clinical Mental Health Counseling program.
Offered: Spring.

CMHC 750 | Diagnosis and Treatment Planning | 3 cr
Examines diagnostic assessment and treatment planning consistent with the current DSM manual utilizing evidence-based assessment and diagnosis procedures to develop diagnosis skills. Addresses diagnosis, treatment planning, and policy/advocacy issues associated with various disorders.
Prerequisites: Admission to MS in Clinical Mental Health Counseling program and CMHC 742 or concurrent.
Offered: Spring.

CMHC 752 | Trauma and Crisis Counseling | 3 cr
Focuses on both theory and skill development of crisis and trauma counseling across the lifespan in a range of settings.
Prerequisites: Admission to MS in Clinical Mental Health Counseling program and CMHC 740.
Offered: Summer.

CMHC 754 | Addictions Counseling | 3 cr
Explores addictions theories and counseling for individuals with substance use disorders including assessment measures, treatment approaches, theory of addiction, and implications for substance use as a comorbid condition.
Prerequisites: Admission to MS in Clinical Mental Health Counseling program.
Offered: Spring.

CMHC 756 | Family and Couples Counseling | 3 cr
Examines major systemic theories and issues of family and couples counseling within a multicultural society. Explores issues, assessment and treatment of dysfunctional partner, marital, family, and systems relationships.
Prerequisites: Admission to MS in Clinical Mental Health Counseling program.
Offered: Fall.

CMHC 758 | Counseling for Work and Career | 3 cr
Applies career development theories, research, assessments, interventions, and information resources to meet the educational and work needs, planning, and decision-making of clients across the life span.
Prerequisites: Admission to MS in Clinical Mental Health Counseling program.
Offered: Fall.

CMHC 770 | Advanced Counseling for Work and Career | 3 cr
Examines implications of research, underlying assumptions of techniques and theories, multicultural considerations, and changing nature of the world of work for professional counseling practice related to work.
Prerequisites: CMHC 758.
Offered: Occasionally.

CMHC 771 | Supervision and Consultation | 3 cr
Offers an in-depth review of management, administration, supervision, and consultation roles of mental health counselors. Includes an opportunity to interview supervisors in the field of clinical mental health counseling.
Prerequisites: Admission to MS in Clinical Mental Health Counseling program and CMHC 740.
Offered: Occasionally.

CMHC 772 | Advanced Crisis and Trauma Counseling | 3 cr
Provides an in-depth review of trauma theories, evidence-based outcomes measures, and trauma-specific treatment models utilized by mental health counselors. Includes research projects regarding trauma, specific populations, and treatment practices.
Prerequisites: Admission to MS in Clinical Mental Health Counseling program, CMHC 752, and concurrent registration in CMHC 794 or CMHC 795 or CMHC 796.
Offered: Occasionally.

CMHC 773 | Clinical Health Counseling I | 3 cr
Introduces clinical health counseling. Examines factors that influence wellness and illness, health and wellness promotion, treatment of health problems, and roles of clinical mental health counselors in providing related services.
Prerequisites: Admission to MS in Clinical Mental Health Counseling program.
Offered: Occasionally.

CMHC 774 | Clinical Health Counseling II | 3 cr
Covers advanced treatment of clinical health counseling. Examines health behavior change techniques, treatment of health conditions, role of behavioral health professionals in primary care settings, ethical and legal issues, social and cultural contexts of health, and public policy.
Prerequisites: Admission to MS in Clinical Mental Health Counseling program and CMHC 773.
Offered: Occasionally.

CMHC 775 | Advanced Addictions Counseling | 3 cr
Continues to examine chemical and process addictions. Emphasizes the application of models of addiction, assessment and treatment planning to providing comprehensive mental health counseling services for individuals and families. Addresses ethical and legal issues, and motivational interviewing.
Prerequisites: Admission to MS in Clinical Mental Health Counseling program and CMHC 754.
Offered: Fall.

CMHC 776 | Counseling Children and Adolescents | 3 cr
Examines the relevant theories, treatment modalities, and mental health disorders common to children and adolescents. Covers the identification and implementation of evidence-based practices that are considerate of the ethical, cultural, and developmental needs of children and adolescents.
Prerequisites: Admission to MS in Clinical Mental Health Counseling Program.
Offered: Fall.

CMHC 790 | Special Topics in Clinical Mental Health Counseling: | 3 cr
Delves into special topics in clinical mental health counseling. May repeat with different topic.
Prerequisites: Varies by topic.
Offered: Occasionally.

CMHC 794 | Counseling Practicum | 3 cr
Offers a closely supervised clinical experience in a training setting to enhance skill level and broaden the array of skills. Students will receive weekly supervision by both site supervisor and University supervisor. Students complete a minimum of 100 hours of practicum experiences with at least 40 hours of face-to-face client contact.
Prerequisites: Admission to MS in Clinical Mental Health Counseling program, CMHC 740, and satisfactory ratings of program evaluation metrics.
Offered: Spring.

CMHC 795 | Internship in Counseling I | 3 cr
Provides an opportunity for supervised counseling experience in which students serve as counselors at prearranged sites. Students complete a minimum of 300 hours of supervised internship experiences with at least 240 hours of face-to-face client contact.
Prerequisites: Admission to MS in Clinical Mental Health Counseling program, CMHC 740, CMHC 794, and satisfactory ratings of program evaluation metrics; consent of instructor and department chair.
Offered: Summer.

CMHC 796 | Internship in Counseling II | 3 cr
Provides an additional opportunity for supervised counseling experience in which students serve as counselors at prearranged sites. Students complete a minimum of 300 hours of supervised internship experiences with at least 240 hours of face-to-face client contact.
Prerequisites: Admission to MS in Clinical Mental Health Counseling program, CMHC 740, CMHC 794, CMHC 795, and satisfactory ratings of program evaluation metrics; consent of instructor and department chair.
Offered: Fall.

CMHC 798 | Independent Reading or Research | 1-3 cr
Offers independent reading or research activities under the direction of a faculty member.
Prerequisites: Admission to MS in Clinical Mental Health Counseling program and consent of instructor, department chair.
Offered: Fall, Spring, Summer.

CMHC 799 | Thesis | 3 cr
Provides supervision of thesis under the direction of a faculty member.
Prerequisites: Admission to MS in Clinical Mental Health Counseling program and consent of instructor.
Offered: Fall, Spring, Summer.

Communication (COMM)

COMM 105 | Public Speaking for the 21st Century | 3 cr
Develops professional speaking and presentation skills in live and virtual contexts. Explores methods of persuasion, argumentation, and organization in virtual and physical speaking contexts.
Prerequisites: None.
Offered: Fall, Spring, Summer.
Meets: Humanities and the Arts: COMM, Humanities and the Arts: COMM, Humanities and the Arts: COMM, Humanities and the Arts: COMM, Humanities and the Arts: COMM

COMM 107 | Communication and the Human Condition | 3 cr
Examines social aspects of human life, including a strong focus on how identify, culture and social relationships are managed in interaction. Includes an introduction to how language constructs a version of the world in interaction. Must earn a grade of C or better for credit toward communication major.
Prerequisites: None.
Offered: Fall, Spring.
Meets: Social & Behavioral Science: COMM, Ethnic Diversity, Social & Behavioral Science: COMM, Ethnic Diversity, Social & Behavioral Science: COMM, Ethnic Diversity, Social & Behavioral Science: COMM, Ethnic Diversity, Social & Behavioral Science: COMM, Ethnic Diversity

COMM 108 | Media and Society | 3 cr
Explores digital, broadcast and print media in the context of contemporary life. Must earn a grade of C or better for credit toward the major.
Prerequisites: None.
Offered: Fall, Spring.
Meets: Social & Behavioral Science: COMM, Social & Behavioral Science: COMM, Social & Behavioral Science: COMM, Social & Behavioral Science: COMM, Social & Behavioral Science: COMM

COMM 168 | Introduction to Visual and Digital Communication | 3 cr
Introduces visual communication through visual imagery and digital media. Explores the concepts, theories, aesthetics and skills of visual communication, covering visual persuasion, photography, design, cultural and ethical issues, visualization of ideas, and others.
Prerequisites: None.
Offered: Fall, Spring.
Meets: Humanities and the Arts: COMM, Humanities and the Arts: COMM, Humanities and the Arts: COMM, Humanities and the Arts: COMM, Humanities and the Arts: COMM

COMM 205 | Oral Interpretation | 3 cr
Provides experience performing literature in front of a live audience or on video for online audiences. Emphasizes the improvement of oral expression, enhanced vocabulary, inflection, delivery, and engaging an audience while reading text.
Prerequisites: None.
Offered: Fall, Spring.
Meets: Humanities and the Arts: COMM, Humanities and the Arts: COMM, Humanities and the Arts: COMM, Humanities and the Arts: COMM, Humanities and the Arts: COMM

COMM 207 | Introduction to the Communication Discipline (Part I) | 3 cr
Introduces the communication discipline as a community of practice. Emphasizes the practical uses of contemporary communication theory and research to solve problems.
Prerequisites: None.
Offered: Fall.

COMM 208 | Introduction to the Communication Discipline (Part 2) | 3 cr
Develops student's professional identities as practitioners of communication research.
Prerequisites: COMM 107, COMM 108 and COMM 207.
Offered: Fall, Spring.

COMM 255 | Writing for Multimedia | 3 cr
Explores writing for print, digital and social media. Community-based learning designation.
Prerequisites: ENGL 101 and COMM 108; or consent of instructor.
Offered: Fall, Spring.
Meets: Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning

COMM 258 | Podcasting | 3 cr
Introduces the uses and practical applications of sound for multimedia. Covers the components of podcast production including interviewing, story development, script writing, remote recording and digital audio recording, editing of sound, mixing, and final production for broadcast. Community-based learning designation.
Prerequisites: None.
Offered: Spring.
Meets: Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning

COMM 275 | Introduction to Constructive Communication | 3 cr
Introduces the theory and practice of performance and improvisation to develop pro-social communication skills, including mindfulness, emotion management, self-expression, listening, collaboration, and creative problem-solving. Community-based learning designation.
Prerequisites: Consent of instructor.
Offered: Fall, Spring.
Meets: Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning

COMM 285 | Introduction to Conflict Analysis and Resolution | 3 cr
Examines approaches to understanding, transforming, and resolving conflicts. Includes case studies at the interpersonal, organizational, community, cultural, and international levels.
Prerequisites: None.
Offered: Occasionally.
Meets: Humanities and the Arts: COMM, Humanities and the Arts: COMM, Humanities and the Arts: COMM, Humanities and the Arts: COMM, Humanities and the Arts: COMM

COMM 290 | Special Topics in Communication | 1-3 cr
Selected topics in communication will be examined.
Prerequisites: None.
Offered: Occasionally.

COMM 299 | Independent Study | 1-3 cr
Individual investigation of selected problems in communication. May be repeated for credit. Does not count toward major.
Prerequisites: Core courses and consent of instructor, department chair.
Offered: Fall, Spring, Summer.

COMM 303 | Organizational Communication | 3 cr
Examines the role of communication in organizational settings. Includes organizational communication theories and elements, as well as contemporary organizational systems and their functioning.
Prerequisites: None.
Offered: Fall.

COMM 315 | Communication and Gender | 3 cr
Explores the role of communication in the construction of gender, the role of gender in the social organization, and use of language and communication systems. Cross-listed with: WGSS 315.
Prerequisites: COMM core courses or consent of instructor.
Offered: Spring.

COMM 320 | Privilege and Power | 3 cr
Examines oppressive social systems constituted by inequitable distributions of privilege and power. Focuses on the relationship between dominant groups and historically underrepresented groups in the U.S. Emphasis on issues of social justice and personal responsibility. Cross-listed with: ETHN 320.
Prerequisites: Junior standing or consent of instructor.
Offered: Yearly.
Meets: Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity

COMM 322 | Public Relations Concepts and Practices | 3 cr
Surveys theoretical and practical concepts involved in the practice of public relations such as rhetorical theory, interviewing theory, media relations, and the public relations process of research, planning, implementation, and evaluation.
Prerequisites: None.
Offered: Yearly.

COMM 335 | Language and Human Communication | 3 cr
Examines the role of language in creating, maintaining, and transforming the social world from cultural, rhetorical, and/or philosophical perspectives. Addresses the ethical implications of language use in contemporary contexts.
Prerequisites: None.
Offered: Occasionally.

COMM 350 | Digital Storytelling | 3 cr
Examines the ways that digital storytelling creates identity and negotiates social life. Includes structure, function, genres, and contexts of narrative.
Prerequisites: None.
Offered: Fall.

COMM 356 | Advanced Media Production | 3 cr
Prepares students for live digital multicamera production and develops media literacy competence by focusing on aesthetic and composition principles influencing television and film production.
Prerequisites: COMM 168.
Offered: Fall.

COMM 360 | Contemporary Media Industries | 3 cr
Examines contemporary media industries in the U.S., including broadcast and cable television, radio, film, popular music, newspapers, the internet, and others. Emphasizes industrial structures and the ways these industries work together in the 21st century.
Prerequisites: None.
Offered: Fall.

COMM 363 | Communication and Ethnicity | 3 cr
Examines communication practices that construct, maintain, transform, or threaten ethnic identity in a co-cultural context. May be repeated with different content. Emphasis rotates among African Americans, Asian Americans, Latino/as, and Native American Indians. Cross-listed with: ETHN 363.
Prerequisites: None.
Offered: Fall, Spring, Winterim.
Meets: Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity

COMM 365 | Intercultural Communication | 3 cr
Investigates the relationship between culture and human interaction, emphasizing ethical aspects of communication. Cross-listed with: ETHN 365.
Prerequisites: None.
Offered: Yearly.

COMM 366 | Communication and Popular Music | 3 cr
Explores the cultural politics of popular music as communication in contemporary society.
Prerequisites: Core courses or consent of instructor.
Offered: Spring.

COMM 370 | Communication and Social Movements | 3 cr
Focuses on the role of interpersonal and media communication in organizing, carrying out, and documenting social movements.
Prerequisites: None.
Offered: Occasionally.
Meets: Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity

COMM 384 | Media, Crime and Criminal Justice | 3 cr
Examines interrelationship among the mass media, crime and criminal justice. Covers media and the social construction of crime, crime and justice in the entertainment and news media, media as a cause of crime, and media-based anti-crime efforts. Cross-listed with: CRMJ 385.
Prerequisites: CRMJ 101 or consent of instructor.
Offered: Fall.

COMM 385 | Conflict Mediation | 3 cr
Examines theory and practice of methods for conflict transformation. Includes facilitator training in dispute mediation, community dialogue, and the theatre of empowerment.
Prerequisites: Minimum of junior standing or consent of instructor.
Offered: Fall.

COMM 390 | Special Topics in Communication | 1-3 cr
Examines selected topics in communication. May repeat with different topic.
Prerequisites: None.
Offered: Occasionally.

COMM 399 | Independent Study | 1-3 cr
Individual investigation of selected problems in communication. May be repeated for credit. Does not count toward major.
Prerequisites: Core courses and consent of instructor, department chair.
Offered: Fall, Spring, Summer.

COMM 430 | Digital and Social Media | 3 cr
Examines critical analysis and application of internet communication, including social networking, crowdsourcing, online communities and collaboration, identity and privacy issues, and other topics.
Prerequisites: Minimum of junior standing or consent of instructor.
Offered: Spring.

COMM 435 | Integrated Marketing Communication | 3 cr
Investigates theory and practice of integrated marketing communication approaches, including advertising, public relations, and emerging digital and social media. Community-based learning designation.
Prerequisites: Minimum of junior standing or consent of instructor.
Offered: Fall.
Meets: Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning

COMM 460 | Global Media | 3 cr
Explores global media through the lens of cultural, politics, and economics.
Prerequisites: Core courses or consent of instructor.
Offered: Occasionally.

COMM 463 | Gender, Race, Class and Sexualities in the Media | 3 cr
Explores how representations of gender, race, class and sexualities in the media contribute to views of culture, self, and others. Cross-listed with: WGSS 463.
Prerequisites: COMM Core courses or consent of instructor.
Offered: Fall.

COMM 468 | Media Literacy Project | 1 cr
A capstone experience in which the student, under the guidance of a faculty member, prepares and conducts a media literacy activity in the community.
Prerequisites: Consent of instructor and department chair.
Offered: Fall, Spring, Summer.

COMM 475 | Advanced Constructive Communication | 3 cr
Explores the theory and practice of performance and improvisation to develop pro-social communication skills, including mindfulness, emotion management, self-expression, listening, collaboration, and creative problem-solving. Community-based learning designation. May be repeated for a maximum of 6 credits with a different topic.
Prerequisites: Junior standing and consent of instructor.
Offered: Fall, Spring.
Meets: Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning

COMM 480 | Practicum in Organizational Communication | 3 cr
Applies principles from public relations and/or organizational communication to an actual organization in the community. Specific topic may address developing a public relations campaign, training, and developing, or consulting. May be repeated for credit with a different topic.
Prerequisites: Consent of instructor.
Offered: Yearly.

COMM 485 | Practicum in Conflict Intervention | 3 cr
Examines conflict intervention in a public setting (school, business, or community). Includes in-class training and supervised field experience. Community-based learning designation.
Prerequisites: Minimum of junior standing or consent of instructor.
Offered: Spring.
Meets: Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning

COMM 490 | Special Topics in Communication | 1-3 cr
Advanced selected topics in communication will be examined.
Prerequisites: Core courses or consent of instructor.
Offered: Occasionally.

COMM 493 | Capstone in Health Communication | 1 cr
Assesses students understanding of program learning goals through the development and presentation of a digital portfolio.
Prerequisites: COMM 340.
Offered: Fall.

COMM 494 | Communication Internship | 1-3 cr
Combines field experience with a guided, systematic and structured application of communication concepts. Consult departmental internship director for procedures. May be repeated for a maximum of 9 credits. Up to 3 credits may be applied to the major.
Prerequisites: Must be in good standing; consent of instructor and department chair.
Offered: Fall, Spring, Summer.

COMM 495 | Senior Seminar | 3 cr
Assesses, integrates, and extends the student's intellectual grasp of the field. Includes career development planning. Taken during a student's final semester.
Prerequisites: Core courses, graduating senior; or consent of instructor.
Offered: Fall, Spring.

COMM 499 | Independent Study | 1-3 cr
Individual investigation of selected problems in communication.
Prerequisites: COMM core courses; consent of instructor and department chair.
Offered: Fall, Spring, Summer.

COMM 701 | Introduction to Graduate Studies | 1 cr
Provides a rigorous introduction to scholarly writing, research, methodologies in communication studies.
Prerequisites: None.
Offered: Fall, Spring, Summer.

COMM 703 | Professional Communication | 3 cr
Examines communication or communication in a global workplace emphasizing intercultural and multi-generational differences. Cross-listed with: MAPS 703.
Prerequisites: Admission to the program.
Offered: Yearly.

COMM 707 | Qualitative Research Methods | 3 cr
Provides opportunity for research experience in interviewing, survey creation, and analysis.
Prerequisites: Admission to the program.
Offered: Fall, Spring, Summer.

COMM 708 | Critical Media Studies | 3 cr
Introduces a number of theoretical backgrounds and methodological processes involved in doing media scholarship, such as analyses of industries, audiences, texts, and discourses.
Prerequisites: Admission to the program.
Offered: Yearly.

COMM 715 | Gender and Work | 3 cr
Investigates the roles gender plays in defining work, and in determining access to leadership and power in the U.S. workplace. Explores women, men and non-binary genders across the corporate, political and non-profit sectors.
Prerequisites: Admission to the program.
Offered: Yearly.

COMM 720 | Philosophy and Theory in Communication | 3 cr
Investigates communication theories and their implications. Explores how they challenge certain philosophical ideas, such as reality, materiality, and social construction.
Prerequisites: Admission to the program.
Offered: Yearly.

COMM 725 | Conflict Transformation | 3 cr
Examines the connections between communication, conflict, and personal/social transformation.
Prerequisites: Admission to the program.
Offered: Yearly.

COMM 730 | Grant Proposal Writing | 3 cr
Develops skills necessary for writing successful grant proposals. Covers different types of grants, identifying funding agencies, interpreting call for grant proposals, and creating persuasive narratives.
Prerequisites: Admission to the program.
Offered: Summer.

COMM 740 | Self-Reflective Communication in Civic Change | 3 cr
Examines autoethnographic writing as a mode of qualitative research, art form, and transformative process of understanding human behavior and lived experience.
Prerequisites: Admission to the program.
Offered: Summer.

COMM 744 | Human Machine Interface | 3 cr
Explores how human and machines effectively engage in decision-making processes by aligning values, ethics, and cognition, and how the design of interfaces affects the social and cultural factors. Cross-listed: MAPS 744.
Prerequisites: Admission to the program; MAPS 640 or consent of instructor.
Offered: Summer.

COMM 750 | Digital Media Production | 3 cr
Introduces digital production techniques and technologies appropriate to achieve success in multiplatform workplaces. Develops skills in audio and video production and integrating multimedia projects on social networking platforms.
Prerequisites: Admission to the program.
Offered: Summer.

COMM 770 | Enacting Leadership | 3 cr
Explores rhetorical perspectives and practices of leadership, critical followership, and ethics.
Prerequisites: Admission to the program.
Offered: Spring.

COMM 775 | Making Your Case: Strategies for Argumentation | 3 cr
Considers argument in the context of theory and practice through a community-based project. Analyzes theoretical foundations for how the exchange of reason influences individuals and collectives in private and public life.
Prerequisites: Admission to the program.
Offered: Yearly.

COMM 785 | Public Dialogue | 3 cr
Examines the theory and practice of dialogue as a form of communication. Analyzes a range of perspectives and strategies to gain proficiency as facilitators of the dialogue process.
Prerequisites: Admission to the program.
Offered: Spring.

COMM 790 | Special Topics in Professional Communication | 3 cr
Examines selected advanced topics in professional communication. May be repeated for credit with a different topic.
Prerequisites: None.
Offered: Occasionally.

COMM 794 | Professional Communication Internship | 3 cr
Combines field experience with a guided, systematic and structured application of communication concepts. Consult graduate director for procedures.
Prerequisites: Admission to the program; consent of instructor, department chair.
Offered: Fall, Spring, Summer.

COMM 797 | Comprehensive Exams I | 3 cr
Provides opportunity to read and organize material in preparation for the required essays.
Prerequisites: Admission to the program; consent of instructor.
Offered: Fall, Spring, Summer.

COMM 798 | Comprehensive Exams II | 3 cr
Provides opportunity to complete two essay exams and participate in oral defense that require reflection and synthesis of the knowledge gained throughout the program and additional research in relevant sub-fields.
Prerequisites: Admission to the program; COMM 797; consent of instructor.
Offered: Fall, Spring, Summer.

COMM 799 | Independent Study | 3 cr
Provides an opportunity for investigation of selected topics in communication.
Prerequisites: Admission to the program; consent of instructor, department chair.
Offered: Fall, Spring, Summer.

Community Based Learning (CBL)

CBL 101 | Introduction to Community Engagement | 3 cr
Introduces community engagement concepts, theories, and practices. Emphasizes developing skills in critical thinking, collaborative problem-solving, and understanding complex community issues in local, global, interpersonal, and institutional contexts. Requires 15 hours of service learning with a community organization.
Prerequisites: None.
Offered: Fall, Spring.
Meets: Social & Behavioral Science: CBL, Community Based Learning, Social & Behavioral Science: CBL, Community Based Learning, Social & Behavioral Science: CBL, Community Based Learning, Social & Behavioral Science: CBL, Community Based Learning, Social & Behavioral Science: CBL, Community Based Learning

CBL 290 | Special Topics in Community Based Learning | 1-3 cr
Selected topics in Community Based Learning are covered.
Prerequisites: None.
Offered: Occasionally.
Meets: Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning

CBL 390 | Special Topics in Community Based Learning | 1-3 cr
Selected topics in Community Based Learning or cause selected.
Prerequisites: None.
Offered: Occasionally.
Meets: Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning

CBL 494 | Civic Internship | 3 cr
Provides an opportunity for students to partner with a civic agency or community nonprofit to gain professional experience for academic credit.
Prerequisites: Minimum of sophomore standing.
Offered: Fall.
Meets: Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning

CBL 495 | Community Engagement Capstone | 1 cr
Involves the production of a reflective electronic portfolio and digital story. May be integrated into the capstone course for student's major.
Prerequisites: CBL 101 and electives that fulfill requirements of community engagement certificate.
Offered: Fall, Spring.
Meets: Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning

CBL 499 | Independent Study | 1-4 cr
Frequency: Independent work on community based projects and/or issues under faculty supervision.
Prerequisites: CBL 101 and consent of instructor and program director.
Meets: Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning

Computer and Information Systems (CIS)

CIS 523 | Mobile Development in Android | 3 cr
Examines existing tools, environments and programming languages for developing applications for mobile devices on the Android platform. Explores current research on mobile applications and future trends. Multi-career cross-listing: CSCI 323.
Prerequisites: CSCI 242 with C or better, or consent of instructor.
Offered: Fall.

CIS 524 | Mobile Development in iOS | 3 cr
Examines existing tools, environments and programming languages for developing applications for mobile devices on the iOS platform. Explores current research on mobile applications and future trends. Multi-career cross-listing: CSCI 324.
Prerequisites: CSCI 242 with C or better, or consent of instructor.
Offered: Spring.

CIS 540 | Data Structures and Algorithm Design | 3 cr
Study of the design, implementation and analysis of computer algorithms; time and space requirements for sorting, searching, graph theory, mathematics and string processing algorithms. Not open to those with credit in CSCI 340. Multi-career cross-listing: CSCI 340.
Prerequisites: CSCI 242 with B or better or consent of instructor.
Offered: Spring.

CIS 570 | Operating Systems | 3 cr
Operating system concepts, process definition and implementation, dead-lick, memory management and protection, distributed system architecture, and case studies. Not open to those with credit in CSCI 370. Multi-career cross-listing: CSCI 370.
Prerequisites: CSCI 242 with C or better.
Offered: Fall.

CIS 605 | Artificial Intelligence | 3 cr
Introduces Artificial Intelligence (AI) techniques that include search, game playing, and knowledge representation. Includes specific subdisciplines of AI including natural language processing and neural networks. Programming assignments in both Prolog and LISP. Not open to those with credit in CSCI 405. Multi-career cross-listing: CSCI 405.
Prerequisites: CSCI 333, or CIS 533 with a grade of C or better, or consent of instructor.
Offered: Occasionally.

CIS 611 | Data Science Programming and Visualization | 3 cr
Surveys common programming languages for data science with visualization. Explores the development of applications for data-centric software used to visualize and extract actionable knowledge and insights from a collection of heterogeneous data sources that answer specific scientific, socio-political, or business questions. Not open to those with credit in CSCI 411. Multi-career cross-listing: CSCI 411.
Prerequisites: CSCI 410 or CIS 710 or consent of instructor.
Offered: Spring.

CIS 612 | Data Mining and Machine Learning | 3 cr
Explores data mining methods and procedures for diagnostic and predictive analytics. Includes association rules, clustering algorithms, tools for classification, and ensemble methods. Emphasizes computer implementation and applications. Multi-career cross-listing: CSCI 412. Not available for students with credit in: CSCI 412.
Prerequisites: CSCI 410 or CIS 710 or consent of instructor.
Offered: Fall.

CIS 613 | Big Data Analysis | 3 cr
Introduces the efficient processing of large data sets, including non-relational databases and algorithms that allow for the distributed processing of large data sets across clusters. Not open to those with credit in CSCI 413. Multi-career cross-listing: CSCI 413.
Prerequisites: CSCI 410 or CIS 610 or consent of instructor.
Offered: Occasionally.

CIS 614 | Deep Learning | 3 cr
Introduces deep learning, a branch of Machine Learning inspired by the human brain network. Explores several types of neural network architectures (e. g., feedforward, convolutional (CNN), and recurrent (RNN) networks). Covers building a Natural Language Processing (NLP) based sentiment analysis system with Long short-term memory (LSTM) neural network.
Prerequisites: CSCI 309 and 411; or CIS 611 and 710; or consent of instructor.
Offered: Occasionally.

CIS 615 | Data Science/Machine Learning Project | 3 cr
Develops practical experience via a data science research project, including applying various machine learning models, researching concepts, and preparing research articles. Multi-career cross-listing: CSCI 415. Not available for students with credit in: CSCI 415.
Prerequisites: CSCI 410 or CSCI 405 or CIS 605 or CIS 710 or instructor consent.
Offered: Occasionally.

CIS 620 | Computer Graphics | 3 cr
Graphics hardware and software, techniques for representation and visualization, two- and three- dimensional transformations, concepts and techniques of visual realism. Not open to those with credit in CSCI 420. Multi-career cross-listing: CSCI 420.
Prerequisites: CSCI 340 or CIS 540 or consent of instructor.
Offered: Occasionally.

CIS 621 | Computer Vision | 3 cr
Reviews algebra of matrices and partial differentiation. Introduction to Machine Vision and Image Processing including image formation, thresholding, image filtering, edge detection, image segmentation, image data compression, image similarity and some dynamic vision. Multi-career cross-listing: CSCI 421.
Prerequisites: CSCI 242 with a grade of C or better.
Offered: Occasionally.

CIS 624 | Advanced Business Data Communications | 3 cr
Fundamentals of transmission protocols and network services. Setting up and configuring network protocols, routing, security, and networking services such as name resolution and dynamic addressing. Lab exercises and case studies. Not open to those with credit in MIS 424. Multi-career cross-listing: MIS 424.
Prerequisites: CSCI 477 or MIS 327.
Offered: Fall.

CIS 625 | Systems Analysis and Design | 3 cr
System development using the life cycle, rapid application development, prototyping, software acquisition, structured and object-oriented techniques and project management. Not open to those with credit in MIS 425 or CSCI 475. This course may be offered online. Distance Learning Fees apply if online. Multi-career cross-listing: MIS 425.
Prerequisites: CSCI 380 or MIS 328.
Offered: Spring.

CIS 635 | Linux System Administration | 3 cr
Covers Linux system administration concepts and techniques including system organization, kernel configuration, device management, system files and runtime maintenance, software configuration and installation, and network configuration; comparison of Linux with other operating systems. Two-hour lecture; two-hour lab. Enrollment in Lecture (001) and Lab (L081) required. Multi-career cross-listing: CSCI 435. Not available for students with credit in: CSCI 435.
Prerequisites: CSCI 275 with grade of C or better.
Offered: Spring.

CIS 640 | Compiler Design and Implementation | 3 cr
Theory, design and implementation of compilers and other syntax-directed systems. Applies techniques of finite state machines, lexical analysis, symbol tables, parsing, storage allocations and code generation to the development of a compiler. Laboratory work included. Multi-career cross-listing: CSCI 440. Not open for students with credit in CSCI 440.
Prerequisites: CSCI 333 or CIS 533.
Offered: Occasionally.

CIS 641 | Advanced Project Management Tools and Techniques | 3 cr
Covers advanced tools and techniques of project management, including Microsoft Project, and Microsoft Excel, Work Breakdown Structure (WBS), budgeting a project, scheduling a project using PERT/CPM, allocating scarce resources, critical chain and critical path, resource leveling, monitoring the project costs, evaluating and terminating a project. Not open to those with credit in PMGT 441. Multi-career cross-listing: PMGT 441.
Prerequisites: PMGT 341 or MBA 716 or CIS 676.
Offered: Yearly.

CIS 642 | Project Management Simulation | 3 cr
Students apply project management skills to a simulated or live project, develop project justification and project plan, and execute the project plan and track performance. Topics include project scheduling, risk analysis, earned value, and teamwork. Not open to those with credit in PMGT 442. Multi-career cross-listing: PMGT 442.
Prerequisites: PMGT 341 or MBA 716 or CIS 676.
Offered: Yearly.

CIS 644 | Event-Driven Programming | 3 cr
Origins of events; the event-driven programming model; interrupt processing as event handling; client-server architectures; windowing environments and GUI programming; development support software; and case studies. Project work included. Not open to those with credit in CSCI 444. Multi-career cross-listing: CSCI 444.
Prerequisites: CSCI 370 or CIS 570 or consent of instructor.
Offered: Occasionally.

CIS 645 | Web Application Security | 3 cr
Explores vulnerabilities and defenses of web-based software systems. Covers web architecture, document security, authentication and attacks and defenses of client-side controls, authentication, session management, access controls, data stores and back-end components. Multi-career cross-listing: CSCI 445. Not available for those with credit in: CSCI 445.
Prerequisites: CSCI 242 or 322 with a grade of C or better (in either).
Offered: Occasionally.

CIS 669 | Embedded Systems Designs | 3 cr
Covers firmware and hardware development. Includes assembly and/or C programming of micro-controllers, interrupt processing, basic hardware and logic design, programming micro-controller peripherals like Analag/Digital Converters (ADC & DAC), timers, Pulse Width Modulation (PWM), comparators, programming and using serial interfaces, basics of printed boards design. Multi-career cross-listing: CSCI 469.
Prerequisites: CSCI 245.
Offered: Fall.

CIS 674 | Client/Server Development | 3 cr
Explores server-side application programming concepts. Includes server architectures, communication protocols, relational databases and database connectivity, dynamic content delivery and communication security. Multi-career cross-listing: CSCI 424.
Prerequisites: CSCI 324 or CIS 524 with C or better (in either).
Offered: Fall.

CIS 675 | Software Engineering Principles and Practice I | 3 cr
An Introduction to UML design and teamwork in the development of a larger software system. The use of UML use case, activity, class/object, interaction, and state diagrams in the creation of efficient designs and systems. Not open to those with credit in CSCI 475. Multi-career cross-listing: CSCI 475.
Prerequisites: CSCI 242 with B or better or consent of instructor.
Offered: Fall.

CIS 676 | Software Engineering/Project Management | 3 cr
Software development from an engineering perspective including software development models, team organization and management, implementation strategies, software testing and verification, and project cost estimation. Students will demonstrate their mastery of software engineering design and development strategies through implementation of a significant team-based project. Not open to those with credit in CSCI 476. Multi-career cross-listing: CSCI 476.
Prerequisites: CIS 625 or 675.
Offered: Spring.

CIS 677 | Computer Communications and Networks | 3 cr
Examines transmission protocols, layered network protocols, network topology, message routing, performance analysis, security, and case studies. Not open to those with credit in CSCI 477. Multi-career cross-listing: CSCI 477.
Prerequisites: B or better in CSCI 242, or CIS 570 or consent of instructor.
Offered: Occasionally.

CIS 678 | Network Security | 3 cr
Computer and network security related to operating systems, networks and system administration issues; hacking; incident response; firewalls, VPNs; intrusion detection, and auditing. Not open to those with credit in CSCI 478. Multi-career cross-listing: CSCI 478.
Prerequisites: CSCI 370, CSCI 375 or MIS 327.
Offered: Spring.

CIS 680 | Advanced Databases | 3 cr
Reviews relational database languages such SQL and Relational Algebra, query optimization techniques. Non-relational database models including object-oriented databases. XML databases, deductive databases. Data mining, transaction management, concurrency control, text retrieval, and web data management. Not open to those with credit in CSCI 480. Multi-career cross-listing: CSCI 480.
Prerequisites: CSCI 380 with C or better.
Offered: Occasionally.

CIS 681 | Security Risk | 3 cr
Focuses on risk analysis, including qualitative, quantitative, and ethical risk. Involves investigating an industry or topic of choice, delving into sources of risk information, researching regulation and statistics, and developing a comprehensive analysis of risk related to the selected topic. Multi-career cross-listing: CSCI 481. Not available for students with credit in: CSCI 481.
Prerequisites: CIS 678 or CIS 779.
Offered: Occasionally.

CIS 690 | Special Topics in Computer and Information Systems | 3 cr
In-depth study of new and/or special-interest subject areas within the discipline. May repeat with different topic.
Prerequisites: Consent of instructor.
Offered: Occasionally.

CIS 710 | Data Science for Computer Information Systems | 3 cr
Examines key data science concepts, methods, and processes. Addresses issues for developing, managing and supporting data-driven decision-making in the organization. Provides knowledge and tools for incorporating data science into IT project workflows including data analytics, data warehousing, machine learning, and artificial intelligence.
Prerequisites: CSCI 242 or CIS 774 or concurrent enrollment in CIS 774.
Offered: Fall.

CIS 774 | Programming Paradigms | 3 cr
Explores a variety of computer programming paradigms such as functional, logic, declarative, procedural, concurrent, multi-paradigm and block-based coding. Requires developing computer programs in at least four paradigms.
Prerequisites: CSCI 241.
Offered: Fall.

CIS 779 | Information System Security | 3 cr
Introduces technical, administrative, and physical aspects of IT security. Includes fraud, risk, information protection, business continuity, network security, auditing, and security planning and governance.
Prerequisites: CSCI 380 or MIS 328 or CIS 774 or consent of instructor.
Offered: Spring.

CIS 790 | Advanced Topics in Computer and Information Systems | 3 cr
In-depth study of new and/or special-interest subject areas within the discipline. Subject selection will vary from offering to offering.
Prerequisites: Consent of instructor.
Offered: Spring.

CIS 793 | Internship | 1-2 cr
Participation in the technical activities of an ongoing organization under the joint guidance and supervision of a member of the organization and a member of the faculty. Grading will be on a credit/no credit basis. May be repeated for a maximum of 6 credits.
Prerequisites: Consent of instructor and department chair.
Offered: Fall, Spring, Summer.

CIS 795 | Research Methods in Computer and Information Systems | 3 cr
Explores research methods used in the computer and information systems discipline including quantitative and qualitative methods. Reviews current research in CIS.
Prerequisites: A minimum of 6 credits in CIS courses.
Offered: Yearly.

CIS 796 | Computer and Information Systems Project | 1 cr
Completion of a CIS project in conjunction with another 600- or 700-level CIS course; includes project documentation and oral and written reports.
Prerequisites: Consent of instructor.
Offered: Occasionally.

CIS 798 | Computer and Information Systems Seminar | 1 cr
Social, legal and ethical issues in computing, including: privacy, encryption, reliability and risk, free speech, computer crime, intellectual property rights. Personal and professional ethics. An emphasis will be placed on students further developing nontechnical professional skills, including writing and oral presentations.
Prerequisites: Consent of instructor.
Offered: Spring.

CIS 799 | Independent Study | 1-4 cr
Independent work on a specific problem in CIS under the supervision of faculty.
Prerequisites: Consent of instructor and department chair.
Offered: Fall, Spring.

Computer Science (CSCI)

CSCI 105 | Introduction to Computers | 3 cr
Explores computer components and the principles of operation; networking, the Internet and the World Wide Web; problem solving techniques, introduction to algorithms, elementary programming concepts.
Prerequisites: None.
Offered: Fall, Spring, Summer.
Meets: Natural Science: CSCI, Natural Science: CSCI, Natural Science: CSCI, Natural Science: CSCI, Natural Science: CSCI

CSCI 130 | Introduction to Programming | 3 cr
Fundamentals of high-level programming language: object-orientation, methods, functions, variables, program control.
Prerequisites: MATH 111 or equivalent.
Offered: Fall, Spring.
Meets: Natural Science: CSCI, Natural Science: CSCI, Natural Science: CSCI, Natural Science: CSCI, Natural Science: CSCI

CSCI 220 | Client Web Programming | 3 cr
Explains web client programming concepts, website authoring, dynamic web pages, object usage, events and event-driven programming, markup languages, document object model.
Prerequisites: C or better in CSCI 130, or CSCI 241 or MIS 221; or B+ or better in CSCI 105; or consent of instructor.
Offered: Fall.
Meets: Natural Science: CSCI, Natural Science: CSCI, Natural Science: CSCI, Natural Science: CSCI, Natural Science: CSCI

CSCI 231 | Discrete Mathematics | 3 cr
Covers sets; the number system; Boolean algebra; formal logic and proofs; relations and functions; combinatorics and recurrence relations; graphs and trees. Cross-listed with: MATH 231.
Prerequisites: MATH 112 with a C or better.
Offered: Fall, Spring.

CSCI 241 | Computer Science I | 5 cr
Introduces the fundamentals of software development; including software classes, objects, logic, selection control, repetition control, subprograms, parameter passage, and rudimentary software engineering techniques. Three-hour lecture; one-hour discussion; two-hour lab.
Prerequisites: C or better in MATH 112 and MATH 113, or MATH 114.
Offered: Fall, Spring.
Meets: Natural Science: CSCI, Natural Science: CSCI, Natural Science: CSCI, Natural Science: CSCI, Natural Science: CSCI

CSCI 242 | Computer Science II | 4 cr
Explores object-oriented programming concepts including inheritance and polymorphism; and recursion. Introduces data structures including: lists, stacks, queues, trees and maps; advanced sorting; and searching algorithms. Three-hour lecture, two-hour lab.
Prerequisites: CSCI 241with C or better.
Offered: Fall, Spring.

CSCI 245 | Assembly Language Programming | 3 cr
Explores organization of computers, digital representation of data, symbolic coding and assembler systems, instructions, addressing modes, program segmentation and linkage, and applications.
Prerequisites: C or better in CSCI 231, CSCI 241; CSCI 242 or concurrent registration.
Offered: Fall, Spring.

CSCI 275 | Linux Concepts, Tools and Scripting | 2 cr
Examines concepts and tools for Linux including file system organization, text processing, Linux processes, editors, and interacting with internet host systems. Investigates Linux shells and the environment, scripting languages, input/output, functions, and start-up scripts. One hour lecture, one and one half hour lab.
Prerequisites: C or better in CSCI 130 or 241 or MIS 221, or concurrent.
Offered: Fall.

CSCI 279 | Basic Information Security | 3 cr
Provides an overview of information security planning. Evaluates security threats, regulations and controls affecting various business types. Students select an industry that is specific to their career goals and consider the threats and controls appropriate for that industry.
Prerequisites: None.
Offered: Occasionally.
Meets: Social & Behavioral Science: CSCI, Social & Behavioral Science: CSCI, Social & Behavioral Science: CSCI, Social & Behavioral Science: CSCI, Social & Behavioral Science: CSCI

CSCI 290 | Special Topics in Computer Science | 1-4 cr
Elementary topics in computer science.
Prerequisites: Consent of instructor.
Offered: Occasionally.

CSCI 291 | Makerspace Seminar | 1 cr
Requires independent work in a community-operated workspace where students with common interests develop technology related projects.
Prerequisites: None.
Offered: Occasionally.

CSCI 309 | Probability and Statistics | 3 cr
Covers elementary probability, random variables, properties of distributions, sampling, queuing theory, central limit theorem and law of large numbers. Cross-listed with: MATH 309.
Prerequisites: MATH 221 with C or better.
Offered: Spring.

CSCI 322 | Server Web Programming | 3 cr
Examines server-side programming concepts including server architectures, relational databases, and database connectivity; dynamic web pages; form processing; and web services.
Prerequisites: CSCI 220 or consent of instructor.
Offered: Spring.

CSCI 323 | Mobile Development in Android | 3 cr
Examines existing tools, environments and programming languages for developing applications for mobile devices on the Android platform. Explores current research on mobile applications and future trends. Multi-career cross-listing: CIS 523.
Prerequisites: CSCI 242 with C or better, or consent of instructor.
Offered: Fall.

CSCI 324 | Mobile Development in iOS | 3 cr
Examines existing tools, environments and programming languages for developing applications for mobile devices on the iOS platform. Explores current research on mobile applications and future trends. Multi-career cross-listing: CIS 524.
Prerequisites: CSCI 242 with C or better, or consent of instructor.
Offered: Spring.

CSCI 333 | Programming Languages | 3 cr
Introduces syntax and semantic issues in programming languages and their effect on language implementation. Includes methods to specify languages, data storage, and the sequence of control in programs. Examines non-procedural languages, including functional and logic languages.
Prerequisites: C or better in CSCI 231 and CSCI 242.
Offered: Spring.

CSCI 340 | Data Structures and Algorithm Design | 3 cr
Study of the design, implementation and analysis of computer algorithms; time and space requirements for sorting, searching, graph theory, mathematics and string processing algorithms. Multi-career cross-listing: CIS 540.
Prerequisites: C or better in CSCI 231 or MATH 231 and in CSCI 242.
Offered: Spring.

CSCI 355 | Computer Architecture | 3 cr
The design of computer systems and components. Processor design, control structures and micro-programming; cache, memory hierarchies, mass memory, and memory management; buses, interrupts and I/O structures; multiprocessors and advanced processors.
Prerequisites: CSCI 245 with C or better.
Offered: Spring.

CSCI 368 | Mathematical Modeling | 3 cr
Surveys mathematical models, models involving differential equations, probabilistic models, Markovian-models, simulation, and Monte Carlo methods. Cross-listed with: MATH 368.
Prerequisites: MATH 222; PHYS 241 or CSCI 130; or consent of instructor.
Offered: Yearly.

CSCI 370 | Operating Systems | 3 cr
Operating system concepts, process definition and implementation, deadlock, memory management and protection, distributed system architecture, and case studies. Multi-career cross-listing: CIS 570.
Prerequisites: C or better in CSCI 242 and CSCI 355.
Offered: Fall.

CSCI 380 | Database Management Systems | 3 cr
Examines the relational model, database design, relational database query languages (such as relational algebra and SQL), database normalization techniques, and physical database design.
Prerequisites: CSCI 242 with C or better.
Offered: Fall.

CSCI 405 | Artificial Intelligence | 3 cr
Introduces Artificial Intelligence (AI) techniques that include search, game playing, and knowledge representation. Includes specific subdisciplines of AI such as natural language processing and neural networks. Programming assignments in both Prolog and LISP. Multi-career cross-listing: CIS 605.
Prerequisites: CSCI 333 with C or better.
Offered: Occasionally.

CSCI 410 | Introduction to Data Science | 3 cr
Introduces extraction of knowledge from data. Covers basics of statistical inference and the identification of probability distributions commonly used as foundations for statistical modeling. Provides an overview of commonly used data science software tools. Not open to students with credit in CIS 610.
Prerequisites: CSCI 242; and CSCI 309 or QM 310; or consent of instructor.
Offered: Fall.

CSCI 411 | Data Science Programming and Visualization | 3 cr
Surveys common programming languages for data science with visualization. Explores the development of applications for data-centric software used to visualize and extract actionable knowledge and insights from a collection of heterogeneous data sources that answer specific scientific, socio-political, or business questions. Not open to those with credit in CIS 611. Multi-career cross-listing: CIS 611.
Prerequisites: CSCI 410 or consent of instructor.
Offered: Spring.

CSCI 412 | Data Mining and Machine Learning | 3 cr
Explores data mining methods and procedures for diagnostic and predictive analytics. Includes association rules, clustering algorithms, tools for classification, and ensemble methods. Emphasizes computer implementation and applications. Multi-career cross-listing: CIS 612. Not open to those with credit in: CIS 612.
Prerequisites: CSCI 410 or CIS 610 or consent of instructor.
Offered: Occasionally.

CSCI 413 | Big Data Analysis | 3 cr
Introduces the efficient processing of large data sets, including non-relational databases and algorithms that allow for the distributed processing of large data sets across clusters. Not open to those with credit in CIS 613. Multi-career cross-listing: CIS 613.
Prerequisites: CSCI 410 or CIS 610 or consent of instructor.
Offered: Occasionally.

CSCI 415 | Data Science/Machine Learning Project | 3 cr
Develops practical experience via a data science research project, including applying various machine learning models, researching concepts, and preparing research articles. Multi-career cross-listing: CIS 615. Not available for students with credit in: CIS 615.
Prerequisites: CSCI 410 or CSCI 405 or consent of instructor.
Offered: Occasionally.

CSCI 420 | Computer Graphics | 3 cr
Graphics hardware and software, techniques for representation and visualization, two- and three-dimensional transformations, concepts and techniques of visual realism. Multi-career cross-listing: CIS 620.
Prerequisites: CSCI 340 with C or better.
Offered: Occasionally.

CSCI 421 | Computer Vision | 3 cr
Reviews algebra of matrices and partial differentiation. Introduction to Machine Vision and Image Processing including image formation, thresholding, image filtering, edge detection, image segmentation, image data compression, image similarity and dynamic vision. Multi-career cross-listing: CIS 621.
Prerequisites: CSCI 242 with a grade of C or better.
Offered: Occasionally.

CSCI 424 | Client/Server Development | 3 cr
Explores server-side application programming concepts. Includes server architectures, communication protocols, relational databases and database connectivity, dynamic content delivery and communication security. Multi-career cross-listing: CIS 674.
Prerequisites: CSCI 324 with C or better, or consent of instructor.
Offered: Fall.

CSCI 431 | Computational Models | 3 cr
Delves into regular languages, finite automata, context-free languages and grammars, push-down automata, Turing machines, algorithms and the Church-Turing thesis, and decidability.
Prerequisites: CSCI 231 or MATH 231 with a C or better.
Offered: Occasionally.

CSCI 433 | Web Development Project | 3 cr
Focuses on project-based development of a significant web site or a specific web-based problem or project under the supervision of the instructor. Includes project management techniques, client-server communication and content management systems.
Prerequisites: CSCI 322 or consent of instructor.
Offered: Occasionally.

CSCI 435 | Linux System Administration | 3 cr
Covers Linux system administration concepts and techniques, including system organization, kernel configuration, device management, system files and runtime maintenance, software configuration and installation, and network configuration. Compares Linux with other operating systems. Two-hour lecture; two-hour lab. Multi-career cross-listing: CIS 635.
Prerequisites: CSCI 275 with C or better.
Offered: Spring.

CSCI 440 | Compiler Design and Implementation | 3 cr
Theory, design and implementation of compilers and other syntax-directed systems. Applies techniques of finite state machines, lexical analysis, symbol tables, parsing, storage allocation and code generation to the development of a compiler. Laboratory work included. Multi-career cross-listing: CIS 640.
Prerequisites: C or better in CSCI 333 or concurrent registration.
Offered: Occasionally.

CSCI 444 | Event-Driven Programming | 3 cr
Origins of events; the event-driven programming model; interrupt processing as event handling; client-server architectures; windowing environments and GUI programming; development support software; case studies; and student project. Multi-career cross-listing: CIS 644.
Prerequisites: C or better in CSCI 370.
Offered: Occasionally.

CSCI 445 | Web Application Security | 3 cr
Explores vulnerabilities and defenses of web-based software systems. Covers web architecture, document security, authentication and attacks and defenses of client-side controls, authentication, session management, access controls, data stores and back-end components. Multi-career cross-listing: CIS 645. Not available for students with credit in: CIS 645.
Prerequisites: CSCI 242 or CSCI 322 or MIS 328 with C or better; or instructor permission.
Offered: Summer.

CSCI 467 | Computability and Automation | 3 cr
Turing machines, recursive functions, Kleene's T Predicate, Ackermann's function, finite automata, grammars and languages.
Cross-listed with: MATH 467.
Prerequisites: C or better in MATH 331 or CSCI 331 or consent of instructor.
Offered: Occasionally.

CSCI 469 | Embedded Systems Design | 3 cr
Covers firmware and hardware development. Includes assembly and/or C programming of micro-controllers, interrupt processing, basic hardware and logic design, programming micro-controller peripherals like Analag/Digital Converters (ADC & DAC), timers, Pulse Width Modulation (PWM), comparators, programming and using serial interfaces, basics of printed boards design. Multi-career cross-listing: CIS 669.
Prerequisites: CSCI 245.
Offered: Fall.

CSCI 475 | Software Engineering Principles and Practice I | 3 cr
Introduces UML design and teamwork in the development of a larger software system. Covers UML use case, activity, class/object, interaction, and state diagrams in the creation of efficient designs and systems. Multi-career cross-listing: CIS 675.
Prerequisites: C or better in CSCI 380 and one of the following: CSCI 323 or CSCI 324 or CSCI 333 or CSCI 340 or CSCI 370.
Offered: Fall.
Meets: Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning

CSCI 476 | Software Engineering Principles and Practice II | 3 cr
Continuation of CSCI 475; further work on a significant team project; includes oral presentations and written documentation. Multi-career cross-listing: CIS 676.
Prerequisites: CSCI 475 with C or better.
Offered: Spring.

CSCI 477 | Computer Communications and Networks | 3 cr
Examines transmission protocols, layered network protocols, network topology, message routing, performance analysis, security, and case studies. Multi-career cross-listing: CIS 677.
Prerequisites: C or better in CSCI 242 and in CSCI 245.
Offered: Occasionally.

CSCI 478 | Network Security | 3 cr
Examines computer and network security related to operating systems, networks and system administration issues, including hacking, incident response, firewalls, VPNs, intrusion detection, and auditing. A background in computer networking is helpful. Multi-career cross-listing: CIS 678.
Prerequisites: C or better in one of: CSCI 355, 435, 477 or MIS 327.
Offered: Occasionally.

CSCI 479 | Information Security Planning | 3 cr
Introduces information security design. Considers technical, administrative, and physical aspects of IT security. Includes fraud, risk, information protection, business continuity, network security, auditing, secure software and privacy.
Prerequisites: C or better in CSCI 242 or MIS 328 or consent of instructor.
Offered: Spring.

CSCI 480 | Advanced Databases | 3 cr
Review of relational database languages such as SQL and Relational Algebra, and query optimization techniques. Non-relational database models including object-oriented databases, XML databases, and deductive databases. Data mining, transaction management, concurrency control, text retrieval, and Web data management. Multi-career cross-listing: CIS 680.
Prerequisites: CSCI 380 with C or better.
Offered: Occasionally.

CSCI 481 | Security Risk | 3 cr
Focuses on risk analysis, including qualitative, quantitative, and ethical risk. Involves investigates an industry or topic of choice, delving into sources of risk information, researching regulation and statistics, and developing a comprehensive analysis of risk related to the selected topic. Multi-career cross-listing: CIS 681.
Prerequisites: A previous course in security and consent of instructor.
Offered: Occasionally.

CSCI 490 | Special Topics In Computer Science | 1-4 cr
Advanced topics in computer science with applications. May repeat for credit with different topic.
Prerequisites: Consent of instructor.
Offered: Occasionally.

CSCI 493 | Internship | 1-2 cr
Participation in the technical activities of an ongoing organization under the joint guidance and supervision of a member of the organization and member of the faculty. Grading will be on a credit/no-credit basis. A student may register and receive credit in this course for a maximum of 6 credits.
Prerequisites: Consent of instructor and department chair.
Offered: Fall, Spring.

CSCI 495 | Computer Science Seminar | 2 cr
Examines computer ethics, the computing profession, current trends in information technology, and career opportunities. Includes oral presentations.
Prerequisites: Any 300-level computer science course or consent of instructor.
Offered: Fall.

CSCI 499 | Independent Study | 1-3 cr
Independent work on a specific problem in computer science under the supervision of faculty.
Prerequisites: Consent of instructor and department chair.
Offered: Fall, Spring.

Consortial Nursing Program (NURS)

NURS 101 | Cultural Diversity in Health Care | 3 cr
Enables student to conceptualize cultural diversity as a basic component of American Society with implications for sensitivity and respect in health promotion and human relations.
Prerequisites: None.
Offered: Fall, Spring.
Meets: Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity

NURS 190 | Special Studies in Nursing | 1-5 cr
Prerequisites: Freshmen standing only; consent of nursing advisor.

NURS 290 | Special Studies in Nursing | 1-5 cr
Prerequisites: Sophomore standing only; consent of nursing advisor.

NURS 351 | Professional Role I: Foundations of Professional Practice | 2 cr
Exploration of selected foundational concepts and principles essential to the professional nursing role. Requires fees.
Prerequisites: Admission to nursing major.
Offered: Fall.

NURS 352 | Health and Illness Concepts 1: Introduction | 3 cr
Introduction of selected foundational health and illness concepts essential to nursing practice. Differential tuition: $31.52/credit.
Prerequisites: Admission to nursing major.
Offered: Fall.

NURS 353 | Clinical Practicum 1: Foundations | 3 cr
This clinical practicum course introduces students to the application of foundational knowledge, skills, and attitudes in the provision of nursing care.
Prerequisites: Admission to nursing major.
Offered: Fall.

NURS 354 | Clinical Nursing Skills 1 | 1 cr
Mastery of basic nursing skills for a variety of settings and phases of care using clinical judgment as the foundation for interventions. Study of concepts essential for demonstrating competencies in the safe performance of care.
Prerequisites: Advanced to the professional nursing major; NURS 353 or concurrent enrollment.
Offered: Fall, Spring.

NURS 390 | Special Studies in Nursing | 1-5 cr
Prerequisites: Junior standing only; consent of nursing advisor.

NURS 398 | Health Assessment and Promotion in Nursing Practice | 3 cr
Application of nursing concepts and skills to promote health and comprehensively assess the health status of individuals using a nursing framework.
Prerequisites: Admission to nursing major.
Offered: Fall.

NURS 399 | Concepts of Pathophysiology and Pharmacotherapeutics | 4 cr
Pathophysiology and pharmacology concepts for nursing across the lifespan.
Prerequisites: Admission to nursing major.
Offered: Fall.

NURS 400 | Concepts of Pathophysiology and Pharmacotherapeutics II | 4 cr
Pathophysiology and pharmacology concepts for nursing across the lifespan.
Prerequisites: NURS 399.
Offered: Spring.

NURS 419 | Concepts of Evidence-Based Nursing Practice | 3 cr
Introduction to and integration of concepts relevant to evidence-based nursing practice.
Prerequisites: NURS 352.
Offered: Spring.

NURS 420 | Professional Role 2: Provider of Care | 2 cr
Examination of selected concepts and principles essential to the provision of patient care. Requires fees.
Prerequisites: NURS 351.
Offered: Spring.

NURS 421 | Health and Illness Concepts 2: Acute and Chronic Conditions | 3 cr
This course focuses on nursing care of individuals and families experiencing acute and chronic health conditions using a holistic approach.
Prerequisites: NURS 352.
Offered: Spring.

NURS 422 | Clinical Practicum 2: Acute and Chronic Conditions | 3 cr
This clinical practicum course focuses on providing nursing care for individuals and families with acute and chronic conditions. Students should expect to spend time in the NLRC working on psychomotor skills on a day they are not assigned to clinical. Psychomotor skill learning and check off is done outside of scheduled clinical hours. Differential tuition $31.52 per credit
Prerequisites: Enroll in any section; clinical site; TBD.
Offered: Spring.

NURS 423 | Clinical Nursing Skills 2 | 1 cr
Mastery of nursing skills related to care of individuals and families with acute and chronic conditions. Competencies performed in a variety of healthcare settings and phases of care, requiring clinical judgment.
Prerequisites: Advanced to the professional nursing major; NURS 422 or concurrent.
Offered: Fall, Spring.

NURS 431 | Health and Illness Concepts IV: Lifespan | 3 cr
This course involves the integration of selected concepts in the care of individuals and families across the lifespan.
Prerequisites: Admission to nursing major.
Offered: Fall.

NURS 432 | Health and Illness III: Population Health | 3 cr
This course focuses on nursing care to promote the health of populations and communities.
Prerequisites: Admission to nursing major.
Offered: Fall.

NURS 433 | Clinical Practicum 3: Population Health | 3 cr
This clinical practicum course focuses on applying concepts and providing population based nursing care to aggregates. NURS 422.
Prerequisites: Admission to nursing major.
Offered: Fall.

NURS 434 | Nursing Informatics and Technology | 3 cr
Basic concepts of informatics are introduced with focus on application to clinical practice to improve safety and quality of care.
Prerequisites: Admission to nursing major.
Offered: Fall.

NURS 435 | Concepts of Pathophysiology and Pharmacotherapeutics III | 3 cr
Pathophysiology and pharmacology concepts for nursing across the lifespan. Requires fees.
Prerequisites: Advanced to the professional nursing major; NURS 399, NURS 400; or consent of instructor.
Offered: Fall, Spring.

NURS 476 | Professional Role IV: Leading in Complex Systems | 3 cr
Synthesis of knowledge, skills, and attitudes for leading in complex healthcare environments. Differential tuition: $31.52/credit.
Prerequisites: NURS 430 and progression in nursing major;.
Offered: Spring.

NURS 477 | Health and Illness Concepts V: Complex | 3 cr
Application of selected concepts to individuals/families with complex health and illness needs. Differential tuition $31.52/credit.
Prerequisites: NURS 431, 432.
Offered: Spring.

NURS 478 | Clinical Practicum IV: Complex Care | 6 cr
This practicum course focuses on nursing leadership and nursing care management of individuals, families and groups experiencing complex health care problems. Differential tuition $31.52/credit.
Prerequisites: NURS 353, 422 and 433.
Offered: Spring.

NURS 480 | Transition Into Professional Nursing Practice | 3 cr
Exploration of the new graduate professional role to enable a smooth transition to the first registered nurse position. The course is delivered in hybrid format. Differential tuition of $31.52/credit.
Prerequisites: NURS 478 and progression in nursing major.
Offered: Spring.

NURS 490 | Special Studies in Nursing | 1-5 cr
Consent of nursing advisor.
Prerequisites: Senior standing only.

Criminal Justice (CRMJ)

CRMJ 101 | Introduction to Criminal Justice | 3 cr
Introduces agencies and processes involved in the criminal justice system: law enforcement, the courts, corrections and juvenile justice. Analyzes the roles and problems within criminal justice agencies in a democratic society.
Prerequisites: None.
Offered: Fall, Spring, Summer.
Meets: Social & Behavioral Science: CRMJ, Social & Behavioral Science: CRMJ, Social & Behavioral Science: CRMJ, Social & Behavioral Science: CRMJ, Social & Behavioral Science: CRMJ

CRMJ 200 | Criminal Justice Research Methods | 3 cr
Covers methods, philosophy and sources of criminal justice research.
Prerequisites: CRMJ 101 or consent of instructor.
Offered: Fall, Spring, Summer.

CRMJ 233 | Criminology | 3 cr
Examines past and current theory and research including crime as a consequence of social, economic, political, and personal factors. Includes critique of approaches to prevention and correction. Cross-listed with: SOCA 233.
Prerequisites: CRMJ 101 or SOCA 101 or consent of instructor.
Offered: Fall.

CRMJ 234 | Juvenile Delinquency and Juvenile Justice | 3 cr
Covers conceptions of juvenile delinquency; the offender in the juvenile justice system; the philosophy, structure and function of juvenile courts; the philosophy, development, and organization of diversion, detention and treatment of the juvenile offender. Cross-listed with: SOCA 234.
Prerequisites: CRMJ 101 or SOCA 101, or consent of instructor.
Offered: Fall, Spring.

CRMJ 235 | Police and Society | 3 cr
Studies the various levels, roles and functions of law enforcement in America; evaluates the nature and responsibilities of law enforcement including police accountability and civil liability. Examines the racial, ethnic, and gender issues in law enforcement. Cross-listed with: SOCA 235.
Prerequisites: CRMJ 101 or SOCA 101, or consent of instructor.
Offered: Fall, Spring.

CRMJ 290 | Special Topics in Criminal Justice | 3 cr
Selected topics in criminal justice will be examined. General elective only, not upper-level elective.
Prerequisites: Consent of instructor.
Offered: Occasionally.

CRMJ 301 | Criminalistics | 3 cr
Introduces forensic science pertaining to criminal investigations. Explores theories underlying both comparative and analytical forensic sciences, as well as the methods used in collecting evidence from a (crime) scene. Addresses techniques for discerning valid scientific methods.
Prerequisites: CRMJ 101.
Offered: Spring.

CRMJ 305 | Family Violence | 3 cr
Examines the criminal justice response to family violence, including child abuse, spousal abuse, elder abuse, and date rape. Explores prevalence and extent of family violence as well as strategies for treatment and prevention. Cross-listed with: SOCA 305.
Prerequisites: CRMJ 101 or SOCA 101.
Offered: Fall.

CRMJ 316 | Criminal Procedure | 3 cr
This course provides a selective analysis of the constitutional amendments most relevant to criminal justice process. Designed to complement criminal law and criminal court process, it offers a comprehensive explanation of the Fourth, Fifth, Sixth, Eighth, and Fourteenth amendments; more commonly known as the criminal justice amendments.
Prerequisites: CRMJ 101 or consent of instructor.
Offered: Fall.

CRMJ 325 | Restorative Justice | 3 cr
Examines the basic principles of restorative justice and its variants, such as transformative justice, peacemaking criminology, and community justice systems.
Prerequisites: CRMJ 101 or consent of instructor.
Offered: Occasionally.

CRMJ 340 | Introduction to Cyber Crime | 3 cr
Explores crime perpetrated via computers and/or other electronic means. Addresses the legal issues involved in cyber crime investigations.
Prerequisites: CRMJ 101, Junior standing; or consent of instructor.
Offered: Spring.

CRMJ 344 | Organized Crime | 3 cr
This course examines the development of organized crime in America and internationally, including the history, development, ethnic links, and impact on society and the economy. International cooperation in addressing the problem of organized crime will be covered.
Prerequisites: CRMJ 101 or consent of instructor.
Offered: Occasionally.

CRMJ 345 | White Collar Crime | 3 cr
This course covers a variety of issues in white collar and corporate crime including the kinds of offenses officially defined in the law as white collar crime. Criminological theories about white collar crime, including controversies over how it is defined, will be reviewed.
Prerequisites: CRMJ 101 or consent of instructor.
Offered: Occasionally.

CRMJ 350 | Street Gangs and Crime | 3 cr
Examines the history of gangs and current gang culture. Explores the nature of and social context of the "gang problem". Investigates community-based and legal intervention strategies.
Prerequisites: CRMJ 101, junior; consent of instructor.
Offered: Fall.

CRMJ 353 | Criminal Justice/Social Justice | 3 cr
This course explores the theory, policy and practice of justice from the criminological, sociological and philosophical perspectives of justice. The relationship between criminal justice and social justice will be examined.
Prerequisites: CRMJ 101 or consent of instructor.
Offered: Occasionally.

CRMJ 355 | Forensic Evidence | 3 cr
This course covers a variety of issues in forensic evidence including the types of scientific evidence frequently encountered in the courts. Particular emphasis on scientific evidence in criminal court proceedings and a few selected cases involving introduction of scientific evidence in the courts, will be reviewed.
Prerequisites: CRMJ 101 or consent of instructor.
Offered: Occasionally.

CRMJ 357 | Forensic Recovery Methods | 3 cr
Discusses foundational knowledge of forensic archaeological recovery methods and anthropological analysis. Includes survey and search methods, evidence collection and the chain of custody, laboratory analysis, forensic photographic methods, and report construction.
Prerequisites: CRMJ 101.
Offered: Spring, Summer.

CRMJ 359 | Law and Society | 3 cr
Explores selected legal rules, principles, and institutions from a sociological perspective, including influence of culture and social organization on law; role of law in social change; social aspects of the administration of justice; and social knowledge and law. Cross-listed with: SOCA 359.
Prerequisites: CRMJ 101 or SOCA 101.
Offered: Occasionally.

CRMJ 362 | Community Corrections | 3 cr
An overview of major components of community-based methods of correctional supervision with an emphasis on probation and parole. Community supervision will be examined from historical, philosophical, social and legal perspectives.
Prerequisites: CRMJ 101 or consent of instructor.
Offered: Occasionally.

CRMJ 363 | Corrections | 3 cr
Analyzes the organization of correctional agencies and the role of corrections in the criminal justice system. Includes review of theories, practices, systems, and treatment methods. Cross-listed with: SOCA 363.
Prerequisites: CRMJ 101 or SOCA 101.
Offered: Fall, Spring.

CRMJ 364 | Capital Punishment | 3 cr
An examination of historic and current trends in capital punishment. Considers the literature and philosophical basis of capital punishment, and other issues (e.g., the costs, future trends). Provides an in-depth examination of capital punishment from a criminal justice policy perspective.
Prerequisites: CRMJ 101 or consent of instructor.
Offered: Occasionally.

CRMJ 365 | Race, Crime, Law | 3 cr
Explores the intersections of race, crime and law in terms of the historical context, the present day situation and future directions. Focuses on multiple perspectives from offender to victim to criminal justice practitioner. Community-based learning designation. Cross-listed with: SOCA 365.
Prerequisites: CRMJ 101 or SOCA 101; junior standing.
Offered: Fall, Spring.
Meets: Ethnic Diversity, Community Based Learning, Ethnic Diversity, Community Based Learning, Ethnic Diversity, Community Based Learning, Ethnic Diversity, Community Based Learning, Ethnic Diversity, Community Based Learning

CRMJ 366 | Women, Crime and Criminal Justice | 3 cr
This course examines the study of female crime and delinquency. In addition to women as offenders, this course focuses on women as victims and workers in the criminal justice system. Cross-listed with: WGSS 366.
Prerequisites: CRMJ 101 or consent of instructor.
Offered: Occasionally.

CRMJ 367 | Latinos(as) and the Law | 3 cr
Introduces and examines experiences Latinos(as) encounter with and within the U.S. criminal justice system, as well as related international and transnational issues. Uses a range of theoretical frameworks, including socio-ecological, political and psychological. Cross-listed with: LBST 367/POLS 367.
Prerequisites: CRMJ 101 or POLS 100; or consent of instructor.
Offered: Occasionally.
Meets: Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity

CRMJ 368 | Victimology | 3 cr
Examines the causes and consequences of crime victimization including the history and re-emergence of the study of the victim and types and circumstances of victimization. Addresses victims' rights and the victims' rights movement. Cross-listed with: SOCA 368.
Prerequisites: CRMJ 101 or SOCA 101.
Offered: Spring.

CRMJ 371 | The Criminal Mind | 3 cr
Examines criminal behavior in relation to learning factors, psychopathy, juvenile delinquency, mental disorder, violence and homicide, sexual offenses, economic crimes, drugs and alcohol and the correctional system.
Prerequisites: CRMJ 101 or consent of instructor.
Offered: Occasionally.

CRMJ 372 | Violence | 3 cr
Introduces the study of violence and offers a historically grounded, multidisciplinary approach that integrates perspectives from the social sciences, humanities, and the natural and physical sciences in order to provide a comparative framework within which to understand violence.
Prerequisites: CRMJ 101 or consent of instructor.
Offered: Fall, Spring.

CRMJ 373 | Criminal Justice and Mental Health | 3 cr
Explores historical and cultural contexts relating to individuals with severe and persistent mental conditions within the criminal justice system. Community-based learning designation.
Prerequisites: CRMJ 101 or consent of instructor.
Offered: Yearly.
Meets: Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning

CRMJ 374 | Crime and Human Rights | 3 cr
Focuses on the interrelationship between crime and human rights. Discusses the Bill of Rights especially the freedom of expression, fundamental fairness and equality. Examines the American criminal justice system via the works of prominent writers, researchers and activists.
Prerequisites: CRMJ 101 or consent of instructor.
Offered: Occasionally.

CRMJ 375 | Criminal Court Process | 3 cr
An analysis of the criminal court process from the formal charging of criminal cases through sentencing. An examination of the manner in which cases move through the criminal court system.
Prerequisites: CRMJ 101 or consent of instructor.
Offered: Occasionally.

CRMJ 376 | Homicide | 3 cr
Examines the history, cultural myths, and technical aspects of homicide. Focuses on the major divisions between types of homicides, methods of homicide, and underpinning sociobiological components of individuals who commit the crime.
Prerequisites: CRMJ 101 or SOCA 101.
Offered: Spring.

CRMJ 380 | Criminal Law | 3 cr
An analysis of substantive criminal law. Included are elements of crime; crimes against person, property and public morality; complicity; and inchoate crime.
Prerequisites: CRMJ 101 or consent of instructor.
Offered: Yearly.

CRMJ 385 | Media, Crime and Criminal Justice | 3 cr
Examines interrelationship among the mass media, crime and criminal justice. Covers media and the social construction of crime, crime and justice in the entertainment and news media, media as a cause of crime, and media-based anti-crime efforts. Cross-listed with: COMM 384.
Prerequisites: CRMJ 101 or consent of instructor.
Offered: Fall.

CRMJ 387 | Terrorism and Security | 3 cr
This course explores and examines the phenomenon of terrorism from a global context. Focusing on a critical understanding of the history and theories of terrorism as well as the societal responses to terrorism, and the civil and human rights implications of such response.
Prerequisites: CRMJ 101 or consent of instructor.
Offered: Occasionally.

CRMJ 388 | Comparative and International Criminal Justice Systems | 3 cr
Examines theory and methods of comparative criminal justice. Surveys of the procedures and processes employed by other countries to identify, adjudicate and respond to crime and deviant behaviors.
Prerequisites: CRMJ 101 or consent of instructor.
Offered: Occasionally.

CRMJ 391 | The Criminal Justice Profession | 3 cr
This course examines the development of criminal justice profession-the historical changes, present-day issues and future directions. In addition, this course focuses on various issues such as professional socialization ranging from the macro-occupational structure of the profession to the micro-processes of becoming a criminal justice professional, traditional and non-traditional career paths within criminal justice, promotions, and professional advancement.
Prerequisites: CRMJ 101 or consent of instructor.
Offered: Occasionally.

CRMJ 401 | Repatriation: The Return of Human Remains | 3 cr
Examines ethics and laws pertaining to the repatriation of human remains to their descendent communities. Delves into analysis and synthesis of human and community- impacting data, policies, and procedures in light of evolving ethical concerns as well as legal precedents at both the state and federal levels.
Prerequisites: CRMJ 101 or ANTH 100.
Offered: Fall, Spring.

CRMJ 490 | Special Topics in Criminal Justice | 3 cr
Selected topics in criminal justice are offered and the content varies from semester to semester. May repeat with different topic.
Prerequisites: CRMJ 101 and junior standing, or consent of instructor.
Offered: Occasionally.

CRMJ 492 | Criminal Justice Research Seminar | 3 cr
A selected criminal justice research project at the advanced level will be offered to students under faculty supervision. Hands-on community research will be conducted as a class project. Research projects will vary from semester to semester. May be repeated for credit with different projects.
Prerequisites: CRMJ 101, junior standing, and consent of the instructor.
Offered: Occasionally.

CRMJ 494 | Criminal Justice Internship | 3-6 cr
Field experience designed to further the student's integration of theory and practice in a professional setting. Potential placement include federal, state, country and municipal criminal justice or administrative law agencies or nonprofit residential treatment facilities. Only 3 credits of the 6 credits can be used to fulfill the criminal justice upper-level elective credit.
Prerequisites: Junior standing, degree GPA of 2.25, criminal justice major, departmental permission required.
Offered: Fall, Spring, Summer.

CRMJ 499 | Independent Study | 1-4 cr
Provides opportunities for independent work on specific problems in criminal justice not explored in existing curriculum under faculty supervision.
Prerequisites: Criminal justice major; junior standing, and consent of instructor and department chair.
Offered: Occasionally.

Cybersecurity (CYB)

CYB 700 | Fundamentals of Cybersecurity | 3 cr
Introduces fundamental concepts and design principles in cybersecurity. Students will understand what, why and how to protect in the cyberworld. Topics include CIA (Confidentiality, Integrity, and Availability), threats, attacks, defense, least privilege, access control and password management, security policies, critical controls, incident-handling and contingency planning, risk assessment and management.
Prerequisites: Admitted MS-CYB degree seeking students only or program advisor consent on space available basis.
Offered: Yearly.

CYB 703 | Network Security | 3 cr
Examines network architectures, threats and attack surfaces exploited by these threats. Students will look at network traffic inspection, common attacks and defensive techniques encryption, network segmentation, firewalls, application proxies, honeypots, DMZs, monitoring networks using intrusion detection and intrusion prevention systems, and network access control.
Prerequisites: Admitted MS-CYB degree seeking students only or program advisor consent on space available basis.
Offered: Yearly.

CYB 705 | Sociological Aspects of Cybersecurity | 3 cr
Presents the principles of applied sociology that account for the human factors in security systems. Topics include an examination of the human role in cybersecurity, the role of security in the context of an organization, and a special focus on the development and implementation of cybersecurity policies.
Prerequisites: Admitted MS-CYB degree seeking students only or program advisor consent on space available basis.
Offered: Yearly.

CYB 707 | Cybersecurity Program Planning and Implementation | 3 cr
Provides instruction on the process used to develop and maintain appropriate security levels for an organization with a focus on implementing a comprehensive security program, a documented set of security policies, procedures, guidelines, and standards. Topics include security planning, strategies, controls, and metrics for measuring effectiveness.
Prerequisites: CYB 700; admitted MS-CYB degree seeking students only or program advisor consent on space available basis.
Offered: Yearly.

CYB 710 | Introduction to Cryptography | 3 cr
Introduces fundamentals of applied cryptography, including encryption and decryption, symmetric and asymmetric systems, pseudorandom functions, block ciphers, hash functions, common attacks, digital signatures, key exchange, message authentication and public key cryptography. Covers implementation of cryptographic systems in approved programming language, and survey of relevant mathematical concepts, including elementary number theory.
Prerequisites: Admitted MS-CYB degree seeking students only or program advisor consent on space available basis.
Offered: Yearly.

CYB 715 | Managing Security Risk | 3 cr
Covers risk management processes and tools, risk assessment and analysis models, economic and control implications, risk measurement, and the ethics of risk. Students will communicate the technical and management aspects of risk, based on research of their chosen industry, related regulation, recent industry reports, and risk implications to organizations, individuals and the nation.
Prerequisites: Admitted MS-CYB degree seeking students only or program advisor consent on space available basis.
Offered: Yearly.

CYB 720 | Technical Communication for Cybersecurity | 3 cr
Research, organize, and present technical information to audiences with varying goals and technical needs. Emphasis on ethics, critical thinking, listening skills, and feedback to develop effective Messages utilizing verbal and nonverbal communication strategies and visual aids. Individual and group presentations and projects will emulate professional scenarios in cybersecurity.
Prerequisites: Prerequisites: Admitted MS-CYB degree seeking students only or program advisor consent on space available basis.
Offered: Yearly.

CYB 725 | Computer Forensics and Investigations | 3 cr
Provides instructions on the investigative and forensics processes of digital evidence with a focus on identifying indicators of compromise, the use of common forensic tools, and the preservation of forensics tools. Topics include forensics iconology, and the analysis of disk, memory, chip-off, mobile device, and OS artifacts.
Prerequisites: CYB 703; admitted MS-CYB degree seeking students only or program advisor consent on space available basis.
Offered: Yearly.

CYB 730 | Computer Criminology | 3 cr
A primer on modern criminology with specific attention to the aspects of technology that facilitate criminal behaviors. Topics include computer crime laws, criminological theories of computer crime, court room and evidentiary procedure, idiographic and nomothetic digital profiling, computer crime victimology, habit/authorship attribution, stylometry, and case linkage analysis.
Prerequisites: Admitted MS-CYB degree seeking students only or program advisor consent on space available basis.
Offered: Yearly.

CYB 735 | Network Forensics | 3 cr
Covers protocol analysis, identification of malicious behavior in systems, and forensic investigations through event log aggregation, correlation and analysis. Students will analyze clips of wired and wireless network protocol analysis to discern methods of attacks and malicious activities.
Prerequisites: CYB 703; admitted MS-CYB degree seeking students only or program advisor consent on space available basis.
Offered: Yearly.

CYB 740 | Incident Response and Remediation | 3 cr
Students will learn about the phases of an incident response system, and the use of IDS and forensics, dealing with false alarms and the remediation process to minimize business impact, plan business continuity, and work with law enforcement, auditors, insurance, and compliance in how to prevent future incidents.
Prerequisites: Admitted MS-CYB degree seeking students only or program advisor consent on space available basis.
Offered: Yearly.

CYB 745 | Secure Operating Systems | 3 cr
Covers operating systems security infrastructure. Topics include, for a given operating system (Windows/Linux), updates and patches, access controls and account management, configuration management, hardening and securing services, and the use of scripting languages to automate security management. Additional topics may include auditing and forensics, virtualization and cloud computing.
Prerequisites: Admitted MS-CYB degree seeking students only or program advisor consent on space available basis.
Offered: Yearly.

CYB 750 | Offensive Security and Threat Management | 3 cr
Covers active defenses such as penetration testing, log management, hacking, threat management and system posturing. Students completing this course will have an understanding of, and the ability to preemptively secure computer and network resources by utilizing information about threats, actors and attack vectors and the ethics behind using this data.
Prerequisites: CYB 700, CYB 703; admitted MS-CYB degree seeking students only or program advisor consent on space available basis.
Offered: Yearly.

CYB 755 | Security Administration | 3 cr
Covers the policy and governance aspects of security. Topics include application of security policies, standards, procedures and guidelines to administration of IT and communications, assessment of compliance including contractual, legal, industry standard, privacy and regulatory requirements, and implementation of security audits and assessment of security performance and security policy-efficacy.
Prerequisites: Admitted MS-CYB degree seeking students only or program advisor consent on space available basis.
Offered: Yearly.

CYB 760 | Cybersecurity Leadership and Team Dynamics | 3 cr
Focuses on leadership best practices and the interpersonal processes and structural characteristics that influence the effectiveness of teams. Emphasis will be placed on leadership models, principles of team building, group dynamics, problem solving, and crisis management in cybersecurity issues. Course will include case studies of modern security incidents.
Prerequisites: Admitted MS-CYB degree seeking students only or program advisor consent on space available basis.
Offered: Yearly.

CYB 765 | Cybersecurity Management | 3 cr
Covers management of cybersecurity policies and strategies at the organizational, national, and transnational levels. Examines the implications of key domestic and international regulations and changes in information technology and communications on security operations. Includes development of organizational security preparation, processes, and responses, and developing a disaster recovery program.
Prerequisites: Admitted MS-CYB degree seeking students only or program advisor consent on space available basis.
Offered: Yearly.

CYB 770 | Security Architecture | 3 cr
Focuses on security architectures for the protection of information systems and data. Students completing this course can identify potential vulnerabilities in system architectures and design secure architectures. Topics include common enterprises and security architectures and their key design elements, such as secure cloud computing and virtualization infrastructures.
Prerequisites: CYB 703; admitted MS-CYB degree seeking students only or program advisor consent on space available basis.
Offered: Yearly.

CYB 775 | Applied Cryptography | 3 cr
Provides an in-depth study of modern cryptography. Topics include public key and private key cryptography, types of attacks, cryptanalysis, perfect secrecy, hashing, digital signatures, virtual private networks, and quantum key cryptography. Topics from number theory and discrete probability necessary for understanding current cryptosystems and their security will be covered.
Prerequisites: CYB 710; admitted MS-CYB degree seeking students only or program advisor consent on space available basis.
Offered: Yearly.

CYB 780 | Software Security | 3 cr
Covers the foundations of engineering secure applications, including techniques used to engineer secure software and assess the security of applications. Topics include exploring web vulnerabilities, secure development processes, implementing security features such as secure data storage and transmission, threat modeling, security requirements, code analysis, and penetration testing.
Prerequisites: Admitted MS-CYB degree seeking students only or program advisor consent on space available basis.
Offered: Yearly.

CYB 785 | Cyber Physical System Security | 3 cr
Covers the fundamentals and techniques to design and implement cyber-physical systems. Topics include the architecture of cyber-physical systems, exploiting software vulnerabilities, secure coding, microservices security, cloud services security, reverse engineering, security assessment of cyber-physical systems, and data analytics for security.
Prerequisites: CYB 775; admitted MS-CYB degree seeking students only or program advisor consent on space available basis.
Offered: Yearly.

CYB 789 | Cybersecurity Pre-Capstone | 1 cr
Prepares student for capstone experience. Drawing on skills learned, students will submit a written project proposal -- with organization, timeline, learning objectives, and specific deliverables identified --for faculty approval. This course is a prerequisite for the capstone course.
Prerequisites: CYB 700, CYB 703, CYB 705, CYB 707, CYB 710, CYB 715, and CYB 720; admitted MS-CYB degree seeking students only or program advisor consent on space available basis.
Offered: Yearly.

CYB 790 | Cybersecurity Capstone | 3 cr
Students present project identified in Capstone Preparation and submit a written report plus oral presentation to both faculty and host organization. Students will be assessed on clarity and content of written report and presentation.
Prerequisites: CYB 789; admitted MS-CYB degree seeking students only or program advisor consent on space available basis.
Offered: Yearly.

Digital Design and Fabrication (DFAB)

DFAB 170 | CAD I - Sketchup | 1 cr
Introduces fundamentals of 2D and 3D computer aided drafting [CAD] using Sketchup including layer control, vector precision and manipulation, object grouping, dimensioning, and 3D printing. Lab fee.
Prerequisites: None.
Offered: Fall, Spring, Summer, Winterim.

DFAB 171 | CAD I - AutoCAD | 1 cr
Introduces fundamentals of 2D and 3D computer aided drafting [CAD] using Autodesk, AutoCAD including layer control, vector precision and manipulation, object grouping, dimensioning, and 3D printing. Lab fee.
Prerequisites: None.
Offered: Fall, Spring, Summer, Winterim.

DFAB 172 | CAD I - Vectorworks | 1 cr
Introduces fundamentals of 2D and 3D computer aided drafting [CAD] using Nemetschek Vectorworks including layer control, vector precision and manipulation, object grouping, dimensioning, and 3D printing. Lab fee.
Prerequisites: None.
Offered: Fall, Spring, Summer, Winterim.

DFAB 270 | Digital Fabrication I | 3 cr
Explores CAD function and practice for 2D and 3D digital fabrication for manufacturing, design, and production using industry standard software and practices to create introductory 2D Vinyl Cut, CNC routed, and advanced 3D Printed works. Requires lab fee.
Prerequisites: ART 104; DFAB 170, DFAB 171, DFAB 172; THEA 363, THEA 463 or PENG 216; or instructor consent.
Offered: Spring.

Digital Marketing (DMK)

DMK 700 | SEO and Digital Marketing Research | 3 cr
Covers state-of-the-art tools and techniques for search engine optimization (SEO) including search engine algorithms, keyword research, on-page/technical SEO, schema, off-page/link-building, local SEO, voice search, domain authority, key performance indicators, dashboards, position tracking, content-channel matrix, user experience, third-party SEO tools, SEO ethics/best practices, SEO vs. pay per click, and SEO trends.
Prerequisites: Admission to Digital Marketing Analytics graduate certificate.
Offered: Fall, Spring.

DMK 705 | Customer Data Analysis and Decisions | 3 cr
Covers cross-functional Customer Relationship Management (CRM) data analysis topics including marketing funnel; brand strategy; personas; building and managing customer lists/data scraping (lead generation); privacy considerations; Salesforce; Hubspot; automation; data analysis; customer segmentation; marketing communications; association rules; sentiment analysis; campaign metrics and strategies; web analytics; and key performance indicators.
Prerequisites: Admission to Digital Marketing Analytics graduate certificate.
Offered: Fall, Spring, Summer.

DMK 710 | Digital Marketing Technologies | 3 cr
Covers industry-leading technologies for digital marketing including visualization, social media management, email marketing, and analytics tools.
Prerequisites: Admission to Digital Marketing Analytics graduate certificate.
Offered: Fall, Spring, Summer.

DMK 730 | Legal and Ethical Considerations in Digital Marketing | 3 cr
Explores legal and ethical considerations in digital marketing. Includes data collection, data sharing, security and privacy, intellectual property, copyrights, trademarks, licensing, non-disclosure agreements, contracting, obligations and liabilities, accessibility, international considerations, diversity, equity, inclusion, business ethics, and changing industry regulations.
Prerequisites: Admission to Digital Marketing Management graduate certificate.
Offered: Fall, Spring, Summer.

DMK 735 | Digital Marketing Strategy and Tactics | 3 cr
Explores omni-channel digital marketing and brand strategy, channels, platforms, and tactics used in today's marketplace. Provides opportunity to create integrated digital marketing strategies to meet organizational objectives.
Prerequisites: Admission to Digital Marketing Management graduate certificate.
Offered: Fall, Spring, Summer.

DMK 740 | Digital Marketing Management | 3 cr
Focuses on building and leading diverse project teams with internal and external stakeholders. Provides opportunity to develop and use project management skills and applications; effectively manage financial and human resources; and evaluate, optimize, and report on digital marketing plan performance to achieve organizational objectives.
Prerequisites: Admission to Digital Marketing Management graduate certificate.
Offered: Fall, Spring, Summer.

Economics (ECON)

ECON 101 | The American Economy | 3 cr
Provides an overview of the basic economic forces, institutions, and policy governing the U.S. economy. A one-semester survey course for students not intending to major in economics or business management. Not open to students with credit in ECON 120 or 121.
Prerequisites: None.
Offered: Fall, Spring, Summer.
Meets: Social & Behavioral Science: ECON, Social & Behavioral Science: ECON, Social & Behavioral Science: ECON, Social & Behavioral Science: ECON, Social & Behavioral Science: ECON

ECON 120 | Principles of Microeconomics | 3 cr
Develops and applies principles and models of demand and supply, consumer behavior, producer behavior, competitive and imperfectly competitive markets, and related contemporary economic policy issues.
Prerequisites: MATH 104 or MATH 111 with a C- or better.
Offered: Fall, Spring, Summer.
Meets: Social & Behavioral Science: ECON, Social & Behavioral Science: ECON, Social & Behavioral Science: ECON, Social & Behavioral Science: ECON, Social & Behavioral Science: ECON

ECON 121 | Principles of Macroeconomics | 3 cr
Develops and applies principles and models of economic aggregates such as national income, unemployment, inflation, economic growth, and the monetary system and analyzes monetary and fiscal policy.
Prerequisites: MATH 104 or MATH 111 with a C- or better.
Offered: Fall, Spring, Summer.
Meets: Social & Behavioral Science: ECON, Social & Behavioral Science: ECON, Social & Behavioral Science: ECON, Social & Behavioral Science: ECON, Social & Behavioral Science: ECON

ECON 210 | Contemporary Economic Issues | 3 cr
Discusses and analyzes current economic issues using basic economic principles. May include topical guest lectures by economics faculty.
Prerequisites: ECON 101, ECON 120 or ECON 121.
Offered: Occasionally.

ECON 250 | Economics of Discrimination In Banking | 3 cr
Examines mortgage lending discrimination by banks/lenders, contributing to ethnic and gender disparities in home ownership. Explores reforms to make the current fair-lending system more effective.
Prerequisites: None.
Offered: Winterim.
Meets: Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity

ECON 260 | Industrial Organization and Public Policy | 3 cr
Investigates patterns of market structures and business strategies, analyzes policies regarding collusive behavior and monopolization, and discusses current regulatory issues. Offered simultaneously with ECON 360. Cannot receive credit for both ECON 260 and ECON 360.
Prerequisites: ECON 120.
Offered: Fall.

ECON 290 | Special Topics In Economics | 1-3 cr
Examines economic issues, problems and events of current interest. Subject matter varies. May be repeated with different topic.
Prerequisites: ECON 101, ECON 120 or ECON 121; or consent of instructor.
Offered: Occasionally.

ECON 300 | Environmental Economics | 3 cr
Examines the relationships between economic behavior and environmental quality and analyzes environmental policies in terms of social benefit and costs, incentives and economic efficiency.
Prerequisites: ECON 120.
Offered: Spring (odd years).

ECON 305 | Economics of Sports | 3 cr
Examines economic issues in professional sports such as labor relations, player salaries, ticket prices, franchises values. competitive balance, stadium financing, and market structure.
Prerequisites: ECON 120; or consent of instructor.
Offered: Spring (odd years).

ECON 308 | Economic Development | 3 cr
Studies economic problems and prospects of developing nations, considers theories, methods, and practices of economic development and sustainable development.
Prerequisites: ECON 120, ECON 121.
Offered: Occasionally.

ECON 320 | Intermediate Micro Theory | 3 cr
Develops and applies theories of consumption, production, market structures, general equilibrium, and welfare economics.
Prerequisites: ECON 120, ECON 121.
Offered: Fall.

ECON 321 | Intermediate Macro Theory | 3 cr
Develops and applies theories of aggregate demand and supply, national income and GDP, savings and consumption, investment, net exports, balance of payment, and schools of economic thought. Examines monetary and fiscal policies.
Prerequisites: ECON 120, ECON 121.
Offered: Spring.

ECON 340 | Health Economics | 3 cr
Applies theories form microeconomics to analyze the functions of the U.S. health care system. Examines the institutional characteristics of the health care market and utilizes data and empirical methods to evaluate the impacts of health care policies.
Prerequisites: ECON 120.
Offered: Occasionally.

ECON 360 | Industrial Organization and Public Policy | 3 cr
Investigates patterns of market structures and business strategies, analyzes policies regarding collusive behavior and monopolization, and discusses current regulatory issues. A research project is required. Offered simultaneously with ECON 260. Cannot receive credit for both ECON 260 and ECON 360.
Prerequisites: ECON 120.
Offered: Fall.

ECON 366 | Money and Banking | 3 cr
Analyzes the role of money; money creation; the operation of central and commercial banks; monetary policy, and international monetary systems. Multi-career cross-listing: ECON 566.
Prerequisites: ECON 120, ECON 121.
Offered: Fall.

ECON 367 | Financial Institutions and Markets | 3 cr
Examines financial institutions, money and capital markets, sources and uses of funds, the determination of market yields, asymmetric information, and risk. Multi-career cross-listing: ECON 567.
Prerequisites: ECON 120, ECON 121.
Offered: Spring.

ECON 375 | Game Theory in Economics and Business | 3 cr
Applies the concepts and tools of game theory to analyze decision making and strategic behavior of interdependent individuals and organizations in the context of economics and business.
Prerequisites: ECON 120 or 121; ECON 320 and MATH 221 recommended.
Offered: Spring (even years).

ECON 380 | The Labor Market | 3 cr
Analyzes the economic and social forces determining labor supply and demand, unemployment, labor mobility, human capital, discrimination by race and gender, and earnings inequality.
Prerequisites: ECON 120.
Offered: Spring (even years).

ECON 388 | Big Data and Causal Inference | 3 cr
Explores modern methods in data analytics and causal inference, develops basic programming skills for data analytics, and applies analytical and quantitative tools to evaluate the economic impact of public policies and programs.
Prerequisites: ECON 120 and QM 210; ECON 409 is recommended.
Offered: Occasionally.

ECON 402 | International Economics | 3 cr
Examines theories of international trade, government policy toward international trade, international trading arrangements and institutions, foreign exchange markets, international monetary arrangements and investments, theories of balance of payments, and open economy macroeconomics. Multi-career cross-listing: ECON 602.
Prerequisites: ECON 120, ECON 121; ECON 321 recommended.
Offered: Fall.

ECON 409 | Econometrics | 3 cr
Develops standard econometric techniques and applies them to economic issues and problems. Topics include multiple regression, dummy variables, forecasting, and problems of autocorrelation, multicollinearity, and heteroscedasticity. Multi-career cross-listing: ECON 609.
Prerequisites: ECON 120, ECON 121, and QM 210; or consent of instructor; ECON 320 or 321 recommended.
Offered: Fall.

ECON 412 | Managerial Economics | 3 cr
Develops and applies microeconomic models and quantitative and optimizing techniques to business decisions involving demand, production, cost, market structure and pricing. Multi-career cross-listing: ECON 612.
Prerequisites: ECON 320, QM 210, MATH 221.
Offered: Spring (even years).

ECON 490 | Special Topics in Economics | 1-3 cr
Examines selected topics in economics. Subject matter varies. May be repeated with different topic.
Prerequisites: ECON 101, ECON 120, ECON 121; or consent of instructor.
Offered: Occasionally.

ECON 492 | Research Experience in Economics | 1-3 cr
A supervised learning experience assisting in faculty research. No more than 3 credits may be applied toward economics major.
Prerequisites: Senior standing, 3.00 GPA, economics major with 21 economics credits, consent of instructor.
Offered: Fall, Spring, Summer.

ECON 494 | Economics Internship | 1-3 cr
A supervised learning experience in either the public or private sector. Enrollment dependent on availability of suitable placement opportunities. Credit may not be applied toward economics major or minor.
Prerequisites: 2.5 GPA, consent of instructor and department chair.
Offered: Fall, Spring, Summer.

ECON 499 | Independent Study | 1-3 cr
Available to qualified students under supervision of individual instructor. Topics must be mutually agreed upon by student and professor.
Prerequisites: Consent of instructor and department chair.
Offered: Fall, Spring, Summer.

ECON 566 | Money and Banking | 3 cr
Analyzes the role of money, money creation, the operation of central and commercial banks, monetary policy, and international monetary systems. Requires a research project. Not open to students with credit in ECON 366. Multi-career cross-listing: ECON 366.
Prerequisites: ECON 120, 121.
Offered: Fall.

ECON 567 | Financial Institutions and Markets | 3 cr
Examines financial institutions, money and capital markets, sources and uses of funds, the determination of market yields, asymmetric information, and risk. Requires a research project. Not open to students with credit in ECON 367. Multi-career cross-listing: ECON 367.
Prerequisites: ECON 120, ECON 121.
Offered: Spring.

ECON 602 | International Economics | 3 cr
Examines theories of international trade, government policy toward international trade, international trading arrangements and institutions, foreign exchange markets, international monetary arrangements and investments, theories of balance of payments, and open economy macroeconomics. Requires a research project. Not open to students with credit in ECON 402. Multi-career cross-listing: ECON 402.
Prerequisites: ECON 120, ECON 121; ECON 321 recommended.
Offered: Fall.

ECON 609 | Econometrics | 3 cr
Develops standard econometric techniques and applies them to economic issues and problems. Covers topics including multiple regression, dummy variables, forecasting, and problems of autocorrelation, multicollinearity, and heteroscedasticity. Not open to students with credit in ECON 409. Multi-career cross-listing: ECON 409.
Prerequisites: ECON 120, ECON 121, and QM 210; or consent of instructor; ECON 320 or 321 recommended.
Offered: Fall.

ECON 612 | Managerial Economics | 3 cr
Develops and applies microeconomic models and quantitative and optimizing techniques to business decisions involving demand, production, cost, market structure and pricing. Multi-career cross-listing: ECON 412.
Prerequisites: ECON 320, QM 210; MATH 221.
Offered: Spring (even years).

ECON 690 | Special Topics in Economics | 1-3 cr
Examines selected topics in economics. Subject matter varies. May be repeated with different topic.
Prerequisites: ECON 120, ECON 121; or consent of instructor.
Offered: Occasionally.

Educator Development (EDU)

EDU 100 | Introduction to the Teaching Profession | 1 cr
Examines the teaching profession and the multiple roles of teachers through structured observation and discussion of diverse school and classroom environments. Requires 10 hours of field experiences in local PK-12 classrooms.
Prerequisites: Consent of the teacher education program.
Offered: Fall, Spring.

EDU 101 | Introduction to Disability | 3 cr
Focuses on ways in which society defines disabilities and our attempts to adjust and include individuals with disabilities. Addresses history of disability and advocacy, law, accessibility, and the moral obligation of society to accommodate those with differences. Requires 15 hours of service learning at a community organization that serves people with disabilities.
Prerequisites: None.
Offered: Spring.

EDU 200 | Teaching the Whole Child | 1 cr
Examines out-of-school influences on student learning and development and supports analysis of learning environments created by community initiatives and organizations representing the diverse racial cultural, language, and economic groups within southeastern Wisconsin. Emphasizes the exploration of learning as a member of a community. Requires 20 hours of supervised and evaluated field experiences in community placements.
Prerequisites: Consent of the teacher education program.
Offered: Fall, Spring.

EDU 210 | Exploring Equity In Education | 1 cr
Addresses current topics in child and adolescent development emphasizing equity, culturally relevant pedagogy and school environments. Requires 20 hours of supervised and evaluated field experiences in elementary classrooms, focusing on diverse developmental contexts (diversity by race, ethnicity, gender, sexual orientation, SES, and ability).
Prerequisites: Consent of the teacher education program.
Offered: Fall, Spring.

EDU 211 | Child and Adolescent Development | 3 cr
Explores the principles and theories of child growth and development from birth through adolescence, focusing on ages 5-15. Includes physical, social, emotional and cognitive domains of development and application to educational settings.
Prerequisites: Consent of the teacher education program.
Offered: Fall, Spring.

EDU 212 | Mathematics for Elementary and Middle School Teachers I | 3 cr
Focuses on the mathematical knowledge that elementary and middle school teachers need in order to teach successfully in K-9 classrooms.
Prerequisites: Consent of the teacher education program.
Offered: Fall, Spring.

EDU 215 | Mathematics for Elementary and Middle School Teachers II | 5 cr
Introduces mathematical content for grades 4-9 for prospective elementary and middle school teachers. Builds on content from Mathematics for Elementary and Middle School Teachers I. Covers numbers and operations, geometry, measurement, statistics, probability and algebraic reasoning.
Prerequisites: Consent of the teacher education program.
Offered: Fall, Spring.

EDU 225 | Foundations of ESL and Bilingual Education | 3 cr
Provides a general overview of the history, politics, and legal and social contexts of bilingual and English as a second language (ESL) education in the United States and worldwide. Introduces students to second language acquisition (SLA) theory and provides an overview of current research regarding language acquisition and best educational practices for ELLs including assessment techniques.
Prerequisites: Consent of the teacher education program.
Offered: Fall.

EDU 235 | Immigration and Education | 3 cr
Explores historical, social, and linguistic factors as they relate to the cultural characteristics of English language learners (ELLs) in our schools. Emphasizes the relationship between language and culture and how that relationship impacts school achievement.
Prerequisites: None.
Offered: Fall.
Meets: Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity

EDU 300 | Creating Effective Learning Environments | 1 cr
Explores human learning and development and the professional design of effective learning progressions and environments. Introduces models and strategies of instruction derived from specific theoretical perspectives on human learning, development, and difference as they apply in educational practice. Requires 25-30 hours of supervised and evaluated field experiences in local PK-12 classrooms.
Prerequisites: None.
Offered: Fall, Spring.

EDU 304 | Context and Culture In Learning Environments | 3 cr
Explores complex interactions between context, culture, and learning. Examines professional knowledge regarding the role of language, culture, and class on individual and group learning, including learning of specific academic content such as math, science, social studies, and reading.
Prerequisites: Consent of the teacher education program.
Offered: Fall, Spring.

EDU 310 | Family, School, and Community Partnerships | 1 cr
Focuses on the importance of communication and partnership with parents and other community members and organizations to support student success. Requires 25-30 hours of supervised and evaluated field experiences in local PK-12 classrooms.
Prerequisites: Consent of the teacher education program.
Offered: Fall, Spring.

EDU 312 | Designing Learner-Centered Lesson Plans | 3 cr
Develops understanding of current theory, concepts, principles, and models of instructional design and assessment. Applies differentiated learning progressions based on state standards.
Prerequisites: Consent of the teacher education program.
Offered: Fall, Spring.

EDU 314 | Assessment of Learning | 2 cr
Develops understanding of theories of assessment and evaluation of learning, and examine models of classroom assessment design. Explores approaches to classroom assessment, standardized achievement testing, psychometrics, and diagnostic assessments.
Prerequisites: Consent of the teacher education program.
Offered: Spring.

EDU 322 | Teaching Exceptional Learners | 3 cr
Examines differentiated instruction for learners with special needs in general education environments. Introduces the co-teaching model and the collaborative role of general and special educators in general education classrooms.
Prerequisites: Consent of the teacher education program.
Offered: Fall, Spring.

EDU 324 | Individual Learning Design and Technology | 3 cr
Develops familiarity with formal and informal assessments; assistive and adaptive communication devices; assistive technology and services; teaching students with differing ways of learning, behaving, and communicating; managing service providers and paraprofessionals; and lesson planning and adaptation.
Prerequisites: Consent of the teacher education program.
Offered: Fall.

EDU 325 | Introduction to Second Language Acquisition | 3 cr
Introduces sociocultural and linguistic concepts associated with second language acquisition.
Prerequisites: Consent of the teacher education program.
Offered: Spring.

EDU 326 | Behavioral and Psychosocial Models | 3 cr
Develops mastery in psychosocial and behavioral models and strategies.
Prerequisites: Consent of the teacher education program.
Offered: Spring.

EDU 332 | Foundations of Literacy | 2 cr
Provides a basis of instructional literacy strategies, literacy materials, and assessment approaches in K-3 literacy education including phonemic awareness, phonics and spelling, vocabulary development, text structure, fluency, and reading comprehension.
Prerequisites: Consent of the teacher education program.
Offered: Fall.

EDU 333 | Children's and Adolescent Literature and New Literacies | 3 cr
Explores texts associated with children's and adolescent literature and teaches methods of evaluating and selecting appropriate materials for classroom reading instruction.
Prerequisites: Consent of the teacher education program.
Offered: Fall.

EDU 335 | ESL Methods | 3 cr
Examines the knowledge, skills, strategies, and dispositions necessary to support and make accommodations for English language learners in a K-12 classroom.
Prerequisites: Consent of the teacher education program.
Offered: Spring.

EDU 343 | Classroom Management | 3 cr
Introduces group and individual behavior management and instructional procedures that can be used in a variety of educational environments. Emphasizes evidence-based strategies aimed at creating safe, encouraging, and effective learning environments. Requires 25-30 hours of supervised and evaluated field experiences in local PK-12 classrooms
Prerequisites: Consent of the teacher education program.
Offered: Fall, Spring.

EDU 399 | Independent Study | 1-6 cr
Provides opportunity for individual study of topics related to education.
Prerequisites: Consent of the teacher education program.
Offered: Fall, Spring.

EDU 402 | Instructional Models and Strategies | 3 cr
Expands and deepens understanding of theory- and research-based instructional models and strategies, emphasizing the connection between the neurophysiology of learning and development and discipline-specific instructional design, models and strategies.
Prerequisites: Consent of the teacher education program.
Offered: Fall.

EDU 412 | Literacy Development | 3 cr
Expands and deepens understanding of theory- and research-based models of literacy development in reading and writing, emphasizing literacy development in academic content areas.
Prerequisites: Consent of the teacher education program.
Offered: Spring.

EDU 420 | Residency Seminar | 2 cr
Provides opportunity to make sense of the student teaching experience through a professional learning community of teacher candidates. Addresses practical problems and immediate concerns of teacher candidates. This course is graded on a Credit/No Credit basis.
Prerequisites: Consent of the teacher education program.
Offered: Fall, Spring.

EDU 421 | Methods of Teaching and Critical Issues in Secondary Social Studies | 3 cr
Delves into secondary Social Studies teaching methods. Emphasizes the connection between pedagogical knowledge and content knowledge. Examines critical issues and trends in the secondary Social Studies classroom and implications for teaching and learning. Includes assessments aligned towards mastery of WI Academic Social Studies Standards (2018).
Prerequisites: EDU 402.
Offered: Spring.

EDU 422 | Methods of Teaching & Critical Issues in Secondary Content Areas | 3 cr
Emphasizes connection between pedagogy and content knowledge.
Prerequisites: EDU 402 and consent of the institute.
Offered: Spring.

EDU 425 | Residency (Student Teaching) | 10 cr
Provides opportunity for full responsibility in a semester-long clinical evaluation of teaching practice in a PK-12 school. This course is graded on a Credit/No Credit basis.
Prerequisites: Consent of the teacher education program.
Offered: Fall, Spring.

EDU 430 | Using Action Research to Improve Instruction | 2 cr
Provides teacher candidates the opportunity to conduct an action research project to improve student outcomes. Requires 40-60 hours of supervised and evaluated field experiences in local PK-12 classrooms. Community-based learning designation.
Prerequisites: EDU 310.
Offered: Fall, Spring.
Meets: Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning

EDU 431 | Teaching Developmental Mathematics, Grades K-3 | 3 cr
Explores knowledge, skills, and dispositions necessary to teach K-3 developmental mathematics concepts.
Prerequisites: Consent of the teacher education program.
Offered: Fall, Spring.

EDU 432 | Teaching Developmental Literacy, Grades K-3 | 3 cr
Explores knowledge, skills, and dispositions necessary to teach K-3 developmental literacy concepts.
Prerequisites: Consent of the teacher education program.
Offered: Fall, Spring.

EDU 433 | Teaching Developmental Science, Grades K-9 | 3 cr
Explores knowledge, skills, and dispositions necessary to teach K-9 developmental science concepts.
Prerequisites: Consent of the Teacher Education program.
Offered: Spring.

EDU 436 | Literacy Methods In the Second Language Classroom | 3 cr
Covers the practical application of theory and research on language and literacy development in multilingual settings. Emphasizes the importance of developing primary language and culturally appropriate instruction.
Prerequisites: Consent of the teacher education program.
Offered: Spring.

EDU 437 | Academic and Behavioral Assessment | 3 cr
Explores how to gather information, perform non-biased formal and informal assessments, and design and manage daily routines for students. Introduces the Response to Intervention Model.
Prerequisites: Consent of the teacher education program.
Offered: Spring.

EDU 439 | Transition and Self-Determination | 2 cr
Provides instruction on planning post-secondary goals and outcomes for students with disabilities.
Prerequisites: Consent of the teacher education program.
Offered: Fall.

EDU 440 | Teacher Preparation Portfolio Design | 2 cr
Provides support for development of capstone portfolio in the context of classroom experiences and preparation for the edTPA assessment. Requires 40-60 hours of supervised and evaluated field experiences in local PK-12 classrooms.
Prerequisites: EDU 430 and consent of the teacher education program.
Offered: Fall, Spring.

EDU 442 | Teaching Developmental Mathematics, Grades 3-9 | 3 cr
Explores knowledge, skills, and dispositions necessary to teach grades 3-9 developmental mathematics concepts.
Prerequisites: Consent of the teacher education program.
Offered: Fall, Spring.

EDU 443 | Teaching Developmental Literacy, Grades 3-9 | 3 cr
Explores knowledge, skills and dispositions necessary to teach grades 3-9 developmental literacy concepts.
Prerequisites: Consent of the teacher education program.
Offered: Fall, Spring.

EDU 444 | Teaching Developmental Social Studies, Grades K-9 | 2 cr
Explores the knowledge, skills, and dispositions necessary to teach grades K-9 developmental social studies concepts.
Prerequisites: Consent of the teacher education program.
Offered: Fall.

EDU 446 | Assessment In the Second Language Classroom | 3 cr
Covers language assessment in the bilingual/multilingual classroom, along with current assessment trends in Wisconsin including the WIDA "can do" descriptors and the ACCESS test.
Prerequisites: Consent of the teacher education program.
Offered: Fall.

EDU 447 | Case Management and Developing Individualized Plans | 3 cr
Focuses on the process of collaboration and communicating with families, students, school staff, related service providers, and all other stakeholders to develop educational and behavioral plans.
Prerequisites: Consent of the teacher education program.
Offered: Fall.

EDU 490 | Special Topics In Teacher Education | 1-3 cr
Provides an in-depth study of new and/or special-interest subject areas in teacher education. May be repeated with a different topic.
Prerequisites: Consent of the teacher education program.
Offered: Fall, Spring, Summer.

EDU 499 | Independent Study | 1-6 cr
Provides opportunity for individual study of advanced topics related to education.
Prerequisites: Consent of the teacher education program.
Offered: Fall, Spring.

English (ENGL)

ENGL 100 | Fundamentals of English | 3 cr
Introduces students to rhetorical, logical, and analytical concepts, including synthesis of rhetorical modes in the context of short essays. Emphasizes vocabulary development, reading comprehension, and the mastery of grammar and mechanics. Implements peer review and assessment. Introduces students to persuasive writing.
Prerequisites: None.
Offered: Fall.

ENGL 101 | Composition and Reading | 3 cr
Develops college-level competencies in writing and reading in a variety of subject and thematic contexts, emphasizing argumentation. Satisfies skills requirements in reading and writing.
Prerequisites: Placement score or grade of C- or better in ENGL 100.
Offered: Fall, Spring.
Meets: Reading and Writing Skills, Reading and Writing Skills, Reading and Writing Skills, Reading and Writing Skills, Reading and Writing Skills, Reading and Writing Skills, Reading and Writing Skills, Reading and Writing Skills, Reading and Writing Skills

ENGL 106 | Introduction to Creative Writing | 3 cr
Examines the techniques and practice of creative writing.
Prerequisites: ENGL 101.
Offered: Occasionally.
Meets: Humanities and the Arts: ENGL, Humanities and the Arts: ENGL, Humanities and the Arts: ENGL, Humanities and the Arts: ENGL, Humanities and the Arts: ENGL

ENGL 112 | Women In Literature | 3 cr
Examines representations of women from classical to contemporary periods and identifies ways writing illuminates women's experience. Works by and about women from various cultures and backgrounds are considered. Cross-listed with: WGSS 112.
Prerequisites: None.
Offered: Fall, Spring.

ENGL 167 | Introduction to Literature | 3 cr
Examines techniques of literary analysis and critical approaches to literature organized around examples of major genres (poetry, prose, and drama) selected chiefly from English and American writers. Four-credit section requires greater writing, research, revision, and a higher level of literary analysis.
Prerequisites: ENGL 100 or consent of instructor.
Offered: Fall, Spring, Summer, Winterim.
Meets: Humanities and the Arts: ENGL, Humanities and the Arts: ENGL, Humanities and the Arts: ENGL, Humanities and the Arts: ENGL, Humanities and the Arts: ENGL

ENGL 168 | Introduction to Professional Writing | 3 cr
Introduces principles of professional writing including rhetorical principles and theoretical concepts for the writing professional. May repeat for credit with a different topic.
Prerequisites: ENGL 100 with a C- or better.
Offered: Fall, Spring.
Meets: Humanities and the Arts: ENGL, Humanities and the Arts: ENGL, Humanities and the Arts: ENGL, Humanities and the Arts: ENGL, Humanities and the Arts: ENGL

ENGL 201 | Advanced Composition | 3 cr
Advanced study and practice in English composition with emphasis on exposition.
Prerequisites: ENGL 101 with a C - or better.
Offered: Fall, Spring.

ENGL 202 | Technical Writing | 3 cr
Writing instruction with an emphasis on presenting written and oral reports and interpreting technical writing.
Prerequisites: ENGL 101 with a grade of C- or better.
Offered: Yearly.

ENGL 204 | Writing for Business and Industry | 3 cr
Examines the structure, style, and format of composition as related to professional settings. Includes the writing of short forms (memorandum, correspondence) and reports that solve problems and require research and analysis.
Prerequisites: ENGL 101 with a C- or better.
Offered: Fall, Spring, Summer.

ENGL 206 | Creative Writing: Poetry | 3 cr
Examines the techniques and practice of poetry writing.
Prerequisites: ENGL 101 with C- or better.
Offered: Fall.

ENGL 207 | Creative Writing: Fiction | 3 cr
Examines the techniques and practice of fiction writing.
Prerequisites: ENGL 101 with a grade of C- or better.
Offered: Fall.

ENGL 208 | Creative Writing: Screenplay | 3 cr
Examines the techniques and practice of writing a screenplay.
Prerequisites: ENGL 101.
Offered: Yearly.

ENGL 252 | Introduction to Film | 3 cr
Investigates the distinctive elements and techniques of film as art and the relationship of film to society.
Prerequisites: None.
Offered: Yearly.
Meets: Humanities and the Arts: ENGL, Humanities and the Arts: ENGL, Humanities and the Arts: ENGL, Humanities and the Arts: ENGL, Humanities and the Arts: ENGL

ENGL 253 | Literature Into Film | 3 cr
Examines film adaptions of literary texts alongside the literature itself. Emphasizes the formal characteristics of the works, their aesthetic and ethical importance, and the interpretive questions raised by the act of adaptations. May be repeated for credit with different topic.
Prerequisites: None.
Offered: Fall, Spring, Summer.
Meets: Humanities and the Arts: ENGL, Humanities and the Arts: ENGL, Humanities and the Arts: ENGL, Humanities and the Arts: ENGL, Humanities and the Arts: ENGL

ENGL 258 | History of Film to 1950 | 3 cr
Examines the development of film techniques, visual qualities, genre, theory, and cinematic art from the silent era to around 1950.
Prerequisites: None.
Offered: Fall.

ENGL 259 | History of Film from 1950 | 3 cr
Examines the development of film techniques, visual qualities, genre, theory and cinematic art from around 1950 to the present.
Prerequisites: None.
Offered: Spring.

ENGL 266 | Literary Analysis | 3 cr
Introduces literary theory and literary research practices, requiring close interaction with primary literary sources. Emphasizes original critical analysis and advanced writing skills.
Prerequisites: ENGL 101 with a C or better.
Offered: Fall, Spring.

ENGL 267 | Literature of Diversity | 3 cr
Surveys of literature produced by the major historically under-represented ethnic/racial groups in the U.S., that is, Native Americans, Latino/as, African Americans or Asian Americans. May be repeated for credit with different topic.
Prerequisites: ENGL 101 with a grade of C- or better.
Offered: Fall, Spring.
Meets: Humanities and the Arts: ENGL, Ethnic Diversity, Humanities and the Arts: ENGL, Ethnic Diversity, Humanities and the Arts: ENGL, Ethnic Diversity, Humanities and the Arts: ENGL, Ethnic Diversity, Humanities and the Arts: ENGL, Ethnic Diversity

ENGL 268 | Introduction to Holocaust Studies | 3 cr
Examines historical, philosophical and other issues surrounding the Holocaust, using texts by those who experienced the Holocaust. Cross-listed with: HIST 268.
Prerequisites: ENGL 101 with a grade of C- or better or consent of instructor.
Offered: Occasionally.

ENGL 287 | Grammar For Teachers and Writers | 3 cr
Covers English grammar, emphasizing concepts and terms used in teaching and writing.
Prerequisites: ENGL 167 or declared psychology major.
Offered: Yearly.

ENGL 290 | Special Topics In English | 3 cr
Examines special topics in English. May be repeated for credit with different topic.
Prerequisites: ENGL 101 with a C- or better or consent of instructor.
Offered: Occasionally.

ENGL 306 | Advanced Poetry Writing | 3 cr
Advanced workshop in the techniques and practice of poetry writing.
Prerequisites: ENGL 101 with a grade of C- or better.
Offered: Yearly.

ENGL 307 | Advanced Fiction Writing | 3 cr
Advanced workshop in techniques and practice of fiction writing.
Prerequisites: ENGL 101 with a grade of C- or better.
Offered: Yearly.

ENGL 310 | Advanced Expository Writing | 3 cr
Provides advanced study and practice in English composition emphasizing complex projects in expository writing.
Prerequisites: ENGL 101 with a grade of C- or better.
Offered: Fall, Spring.

ENGL 315 | Topics in Literature and Culture: | 3 cr
Focuses on special topics such as "The Graphic Novel," "Literature and Trauma," or "Animals in Literature and Folktale". May repeat with different topic.
Prerequisites: ENGL 167 or consent of instructor.
Offered: Fall, Spring.

ENGL 316 | British Literature to 1500 | 3 cr
Surveys nonfiction prose, poetry, drama, and fiction circulating in England from the sixth to the fifteenth centuries. Includes a diversity of authorial voices, both men and women, as the limitations of the period allow.
Prerequisites: ENGL 266 or consent of instructor.
Offered: Fall (odd years).

ENGL 317 | British Literature, 1500-1700 | 3 cr
Examines a diversity of authorial voices, both men and women, in poetry, prose, and drama written between 1500-1700 in early modern Britain.
Prerequisites: ENGL 266; or consent of instructor.
Offered: Spring (even years).

ENGL 318 | British Literature, 1700-1900 | 3 cr
Examines diversity of authorial voices, both men and women, in literary trends from the 18th and 19th centuries. Includes fiction, drama, poetry, and nonfiction prose.
Prerequisites: ENGL 266; or consent of instructor.
Offered: Fall (even years).

ENGL 319 | Modern and Contemporary British Literature | 3 cr
Examines fiction, poetry, nonfiction prose, and drama, written by a diversity of authorial voices, both men and women, and trends in the 20th and 21st Centuries.
Prerequisites: ENGL 266; or consent of instructor.
Offered: Spring (odd years).

ENGL 320 | Shakespeare | 3 cr
Investigates the formal conventions of Shakespeare's work, stagecraft, the location of these works within their historical contexts, and the critical and reception histories of each play. Cross-listed with: THEA 320.
Prerequisites: ENGL 101; or consent of instructor.
Offered: Fall, Spring.

ENGL 326 | Pre-Columbian Literature | 3 cr
Addresses narratives arising from the pre-Columbian cultures of the Americas. Focuses on First Nation peoples. Includes a diversity of authorial voices, both men and women, and a diversity of genres, such as fiction, drama, poetry, and non-fiction prose, as the limitations of the period allow.
Prerequisites: ENGL 266; or consent of instructor.
Offered: Fall (odd years).

ENGL 327 | Puritan and Colonial American Literature | 3 cr
Studies Puritan and Colonial literatures in North America that includes a diversity of authorial voices, both men and women, and a diversity of genres, such as fiction, drama, poetry, and nonfiction prose.
Prerequisites: ENGL 266; or consent of instructor.
Offered: Spring (even years).

ENGL 328 | 19th Century American Literature | 3 cr
Studies literatures of the nineteenth-century in the United States including a diversity of authorial voices, both men and women, and a diversity of genres, such as fiction, drama, poetry, and nonfiction prose.
Prerequisites: ENGL 266; or consent of instructor.
Offered: Fall (even years).

ENGL 329 | 20th and 21st Century American Literature | 3 cr
Examines fiction, poetry, nonfiction-prose, and drama, written by a diversity of American authorial voices, including both men and women, and trends in the 20th and 21st Centuries.
Prerequisites: ENGL 266; or consent of instructor.
Offered: Spring (odd years).

ENGL 330 | Alternative Narratives | 3 cr
Examines literary, cinematic, and pop-cultural texts such as outsider poetry, hypertest narratives, and visual storytelling that fall outside of conventional literary genres. May be repeated for credit with a different topic.
Prerequisites: ENGL 101.
Offered: Yearly.

ENGL 344 | Children's Literature | 3 cr
Investigates historical and contemporary middle-grade children's literature, both as a cultural phenomenon and an educational resource.
Prerequisites: ENGL 167, ENGL 266.
Offered: Occasionally.

ENGL 346 | Pre-1800 World Literature | 3 cr
Explores selected pre-1800 global literary and cultural texts, which may include ancient, medieval and Renaissance texts. Emphasizes non-Western works, including those with indigenous foundations. Examines the broad historical context and draws from other fields to deepen our understanding of the human experience, particularly along cross-cultural lines.
Prerequisites: ENGL 101; or consent of instructor.
Offered: Fall.

ENGL 347 | Post-1800 World Literature | 3 cr
Explores selected global literary and cultural texts produced after 1800. Emphasizes non-Western works, including those with indigenous foundations. Examines the broad historical context and draws from other fields to deepen our understanding of the human experience, particularly along cross-cultural lines. Cross-listed with: MODL 347.
Prerequisites: ENGL 101 or consent of instructor.
Offered: Spring.

ENGL 354 | Young Adult Literature | 3 cr
Explores representative young adult literature, including genres like fantasy, science fiction, historical fiction, and realistic fiction. May include graphic novels or poetry.
Prerequisites: ENGL 101 or consent of instructor.
Offered: Yearly.

ENGL 358 | Film Genres | 3 cr
Explores film genres such as film noir, the western, the war movie, science fiction, comedy, the detective film, etc. May be repeated for credit with a different topic.
Prerequisites: None.
Offered: Occasionally.

ENGL 359 | Digital Video | 3 cr
Introduces the concepts, principles, tools, and techniques for telling visual stories and producing, assembling, and mixing digital video and audio.
Prerequisites: None.
Offered: Yearly.

ENGL 364 | Epic and Mythology | 3 cr
Studies the major epics, with a primary focus on Greek and Roman mythology and tradition, but may include other major epics from the Western tradition.
Prerequisites: ENGL 101 or consent of instructor.
Offered: Yearly.

ENGL 366 | Theory of Literature and Criticism | 3 cr
Investigates the nature of literature, the basis of literary criticism, and different critical schools at an advanced level. May repeat with different topic.
Prerequisites: ENGL 266.
Offered: Occasionally.

ENGL 368 | The Bible as Literature | 3 cr
Explores the literary and cultural background, qualities, and influence of the Jewish and Christian scriptures.
Prerequisites: ENGL 101 or consent of instructor.
Offered: Occasionally.

ENGL 380 | The English Language | 3 cr
Examines historical shifts in the English language, including phonology, morphology, syntax, lexicon, and semantics.
Prerequisites: ENGL 101 or consent of instructor.
Offered: Yearly.

ENGL 385 | Professional Editing | 3 cr
Explores principles and practical applications of copy-marking, copy-editing, and comprehensive editing.
Prerequisites: ENGL 101 with a grade of C- or better.
Offered: Spring.

ENGL 387 | Linguistics | 3 cr
Explores major areas in the study of language, including phonology, syntax, semantics, historical, comparative linguistics and socio-linguistics.
Prerequisites: ENGL 266.
Offered: Occasionally.

ENGL 390 | Special Topics in English | 1-4 cr
Examines selected topics in English. May be repeated for credit with different topic.
Prerequisites: ENGL 266; or consent of instructor.
Offered: Occasionally.

ENGL 402 | Advanced Technical Writing | 3 cr
Emphasizes writing and editing skills needed to prepare a project such as a procedures manual, report of experimental findings or proposals.
Prerequisites: ENGL 202 or ENGL 204; or consent of instructor.
Offered: Yearly.

ENGL 403 | Advanced Business Writing | 3 cr
Continues the study of business writing and communication.
Prerequisites: ENGL 202 or ENGL 204; or consent of instructor.
Offered: Occasionally.

ENGL 404 | Non-Fiction Writing | 3 cr
Explores writing feature-length articles, historical accounts, reviews, opinion pieces, advanced essays. Employs various professional writing styles.
Prerequisites: ENGL 201, ENGL 204, or consent of instructor.
Offered: Yearly.

ENGL 408 | Creative Writing Capstone Project | 3 cr
A creative writing capstone course culminating in a significant body of poetry or fiction along with a self-reflexive essay wherein students place themselves within a broader literary tradition.
Prerequisites: Two of the following: ENGL 306, ENGL 307, or ENGL 310.
Offered: Yearly.

ENGL 416 | Major British Authors | 3 cr
Delves into one or more major British authors. May be repeated with different topic.
Prerequisites: ENGL 266; or consent of instructor.
Offered: Occasionally.

ENGL 417 | Studies In British Literature | 3 cr
Examines specific topics, issues, or time periods in British Literature. May be repeated with different topic.
Prerequisites: ENGL 266; or consent of instructor.
Offered: Occasionally.

ENGL 420 | Advanced Shakespeare | 3 cr
Examines Shakespearean genres (tragedy, history, comedy, romance), dramaturgy, or themes as well as related subjects such as Shakespeare on film.
Prerequisites: ENGL 266.
Offered: Occasionally.

ENGL 426 | Major American Authors | 3 cr
Explores one or more major American authors at the advanced level.
Prerequisites: ENGL 266; or consent of instructor.
Offered: Occasionally.

ENGL 427 | Studies in American Literature | 3 cr
Examines specific topics, issues, or time periods in American literature. May be repeated with different topic.
Prerequisites: ENGL 266; or consent of instructor.
Offered: Occasionally.

ENGL 436 | Major Modern and Contemporary Authors | 3 cr
Delves into of one or more major contemporary authors at an advanced level. May repeat with different topic.
Prerequisites: ENGL 266; or consent of instructor.
Offered: Occasionally.

ENGL 437 | Studies In Modern and Contemporary Literature | 3 cr
Examines such topics as the hero in modern literature, innovations in 20th century drama, or experiments in literary form, etc. May be repeated with different topic.
Prerequisites: ENGL 266; or consent of instructor.
Offered: Occasionally.

ENGL 447 | Studies In Classical and World Literature | 3 cr
Examines a specific culture, author, or theme in classical or other world literatures.
Prerequisites: ENGL 266.
Offered: Occasionally.

ENGL 451 | Studies in Literature or Culture | 3 cr
Focuses on special topics, such as "The Graphic Novel," "Literature and Trauma," or "Animals in Literature and Folktale." May be repeated for credit with different topic.
Prerequisites: ENGL 266; or consent of instructor.
Offered: Fall, Spring.

ENGL 458 | Studies in Film | 3 cr
Examines the movements, techniques, theories, national cinemas, genres, directors, or periods.
Prerequisites: None.
Offered: Occasionally.

ENGL 460 | Literature and Other Disciplines | 3 cr
Examines the relation of literature to individual disciplines such as medicine, science, sociology, psychology, music, or philosophy.
Prerequisites: ENGL 266; or consent of instructor.
Offered: Occasionally.

ENGL 464 | Studies in Cultural Trends | 3 cr
Examines the intersection of literature and cultural trends. Includes graphic novels, steampunk, and the gothic. May repeat with different topic.
Prerequisites: ENGL 266; or consent of instructor.
Offered: Occasionally.

ENGL 468 | Holocaust Studies | 3 cr
Delves into various aspects of the Holocaust, such as literature of the Holocaust, film and the Holocaust, literature of the Second Generation, etc. Cross-listed with: HIST 468.
Prerequisites: ENGL 101 or consent of instructor.
Offered: Occasionally.

ENGL 469 | Women as Writers and Characters | 3 cr
Examines writing by women and depictions of women in literature. May be repeated for credit with different topic. Cross-listed with: WGSS 469.
Prerequisites: ENGL 266; or consent of instructor.
Offered: Occasionally.

ENGL 477 | Portfolio Workshop: English, Film and Cultural Studies | 1 cr
Provides required capstone portfolio experience, including reflective writing and metacognition, workshopping, revision, and mastery of department outcomes.
Prerequisites: ENGL 266, senior standing.
Offered: Fall, Spring.

ENGL 478 | Portfolio Workshop: English Language Arts | 1 cr
Required capstone portfolio. Includes reflective writing and metacognition, workshopping, revision, and mastery of department outcomes.
Prerequisites: ENGL 266, senior standing.
Offered: Fall, Spring.

ENGL 479 | Portfolio Workshop: Professional Writing | 1 cr
Required capstone portfolio. Includes reflective writing and metacognition, workshopping, revision, and mastery of the professional writing certificate outcomes.
Prerequisites: ENGL 101 with C- or better.
Offered: Fall, Spring.

ENGL 487 | Studies in Language | 3 cr
An examination of such topics as language in American culture, regional dialects, semantics, etc. May repeat with different topic.
Prerequisites: ENGL 101 with a grade of C- or better or consent of instructor.
Offered: Occasionally.

ENGL 488 | Teaching English Language Arts | 3 cr
Explores balanced literacy methods and materials for integrating reading, writing, speaking, listening, viewing, and critical thinking activities into a language arts program for adolescents.
Prerequisites: ENGL 266; or consent of instructor.
Offered: Yearly.

ENGL 489 | Teaching and Assessing Composition | 3 cr
Explores methods and materials for the teaching and assessment of writing.
Prerequisites: ENGL 266, or consent of instructor.
Offered: Yearly.

ENGL 490 | Special Topics in English | 1-4 cr
Examines cultural trends or topics in English literature at the advanced level. May be repeated for credit with different topic.
Prerequisites: ENGL 266; or consent of instructor.
Offered: Occasionally.

ENGL 493 | Internship in Teaching Literature | 1-6 cr
Offers an internship experience with an instructor teaching in a literature course. Students will create a portfolio.
Prerequisites: ENGL 266, consent of instructor and department chair.
Offered: Occasionally.

ENGL 494 | Internship in Writing and Editing | 1-6 cr
Practical application of professional-level writing skills in such areas as journalism, copy editing, technical, scientific, industrial, business, and legal writing, under joint supervision of a faculty member and organization representative. A maximum number of internship credits will be set by the faculty member, in keeping with university policy.
Prerequisites: Consent of instructor and department chair.
Offered: Fall, Spring.

ENGL 495 | Seminar in Literature | 3 cr
Serves as the capstone for the major and includes discussion of career preparation. Requires intensive research and writing. May be repeated for credit with different topic.
Prerequisites: ENGL 266 or consent of instructor.
Offered: Fall, Spring.

ENGL 496 | Internship in Teaching/Tutoring | 3 cr
Students select working in a composition classroom or in the Tutoring Center as a writing tutor to gain experience in major aspects of composition instruction. Students must secure permission from a composition instructor or the Tutoring Center in order to register. Students will create a teaching/tutoring portfolio.
Prerequisites: Engl 489 and consent of instructor, department chair.
Offered: Fall, Spring.

ENGL 497 | Senior Thesis | 3 cr
Conduct independent research and write an essay of substantial length under faculty supervision. Agreement of faculty member to undertake supervision is necessary before registration.
Prerequisites: Consent of instructor and English Department Executive Committee.
Offered: Occasionally.

ENGL 499 | Independent Study | 1-6 cr
Conduct independent research under the supervision of a faculty member.
Prerequisites: Consent of instructor and English Department Executive Committee.
Offered: Occasionally.

ENGL 590 | Special Topics in English | 1-3 cr

Entrepreneurship (ENTR)

ENTR 250 | Entrepreneurial Principles | 3 cr
Covers the principles and key concepts of entrepreneurship, focusing on self-assessment, opportunity recognition, innovation and creativity, and the various functions involved in starting a venture.
Prerequisites: Sophomore standing; BUS 100 or other business course or concurrent registration.
Offered: Fall.

Environmental Studies (ENVS)

ENVS 101 | Introduction to Environmental Studies | 3 cr
Examines interactions between earth system processes and humans including geologic hazards, water quality/quantity, pollution, land use, energy and mineral resources. Addresses impacts on environmental justice, economic development and policy. Uses a multidisciplinary, environmental studies approach to evaluate the conditions and human values conducive to environmental quality.
Prerequisites: None.
Offered: Fall, Spring, Summer.
Meets: Natural Science: ENVS, Natural Science: ENVS, Natural Science: ENVS, Natural Science: ENVS, Natural Science: ENVS

ENVS 102 | Chemistry of the Environment | 3 cr
Covers chemistry of the environment in three major areas: Earth's atmosphere, hydrosphere, and terrestrial environment. Focuses on key environmental issues, their origins, understanding and alleviation.
Prerequisites: None.
Offered: Spring.

ENVS 109 | Fundamentals of Climate Change | 3 cr
Surveys the current state of climate science including Earth's energy budget, the atmosphere, the greenhouse effect, ocean circulation, climate feedbacks, climate modeling and Earth's past climate. Also considers uncertainty in projections of future climate and solutions involving carbon sequestration, carbon-trade markets and energy efficiency. Three hour lecture.
Prerequisites: None.
Offered: Fall.
Meets: Natural Science: ENVS, Natural Science: ENVS, Natural Science: ENVS, Natural Science: ENVS, Natural Science: ENVS

ENVS 201 | Laboratory Experience in Environmental Studies | 3 cr
Provides laboratory experience in assessing, measuring, analyzing and monitoring environmental problems. Experiments may include measurements of environmental pollutants, use of instruments to detect environmental contaminants, and collection and sampling for water, soil and air analysis.
Prerequisites: ENVS 102.
Offered: Fall.

ENVS 290 | Special Topics in Environmental Science | 1-4 cr
Special topics in environmental studies will be examined.
Prerequisites: Consent of instructor.
Offered: Occasionally.

ENVS 335 | Energy | 4 cr
Various forms of energy and related topics are discussed from a vigorous point of view. These include mechanical energy; chemical energy, fossil fuels, and fuel cells; thermal energy and the laws of thermodynamics; electrical energy; and nuclear energy. Environmental impacts of each type of energy as well as alternative energy sources are also discussed. Three hour lecture and one hour discussion.
Prerequisites: MATH 111 and PHYS 101 or consent of instructor.
Offered: Spring.

ENVS 336 | Environmental Justice | 3 cr
Evaluates unsolved questions regarding themes of social inequities and environmental contamination. Includes topics such as industrial zoning, brownfield development, urban agriculture, air quality and toxic waste processing. Three hour lecture.
Prerequisites: ENVS 101 or BIOS 104.
Offered: Fall.

ENVS 390 | Special Topics in Environmental Science | 1-4 cr
Special topics in environmental studies will be examined.
Prerequisites: Consent of instructor.
Offered: Occasionally.

ENVS 490 | Special Topics in Environmental Science | 1-4 cr
Special topics in environmental studies will be examined.
Prerequisites: Consent of instructor.
Offered: Occasionally.

ENVS 494 | Internship/Fieldwork | 1-3 cr
Provides students with learning experiences within professional fields that are related to their career goals; such as business operations, professional competencies and conduct, and overall work environment. Requires placement approval by Environmental Studies Director. May be repeated for credit.
Prerequisites: Sophomore standing or above and Instructor, Director approval.
Offered: Fall, Spring, Summer.

ENVS 495 | Environmental Studies Seminar | 1 cr
Explores major environmental issues from a multidisciplinary perspective.
Prerequisites: Junior or senior standing; environmental studies major.
Offered: Spring.

ENVS 499 | Independent Study | 1-3 cr
An independent project carried out under the supervision of a member of the environmental studies faculty. Up to 3 credits may count as elective credit toward the minor.
Prerequisites: Consent of instructor and director.
Offered: Fall, Spring, Summer.

Ethnic Studies (ETHN)

ETHN 101 | Geography of American Ethnicity and Race | 3 cr
Examines American ethnic and racial patterns from a geographic perspective. Considers historical forces shaping the geographical patterns of race and ethnicity. Explores contemporary issues in ethnic and race relations, including immigration. Cross-listed with: GEOG 101.
Prerequisites: None.
Offered: Fall, Spring, Summer.
Meets: Social & Behavioral Science: GEOG, Ethnic Diversity, Social & Behavioral Science: GEOG, Ethnic Diversity, Social & Behavioral Science: GEOG, Ethnic Diversity, Social & Behavioral Science: GEOG, Ethnic Diversity, Social & Behavioral Science: GEOG, Ethnic Diversity

ETHN 120 | Astronomy of Native America | 3 cr
Examines the astronomical views of Native Americans and looks at how mythos, science and discrimination intersect. Evaluates current cultural conflicts between science and native groups. Draws additional examples of the cultural development of astronomy and science from the Americas, Africa, Oceania, and Asia. Community-based learning designation. Cross-listed with: PHYS 120.
Prerequisites: None.
Offered: Fall, Spring.
Meets: Natural Science: PHYS, Ethnic Diversity, Community Based Learning, Natural Science: PHYS, Ethnic Diversity, Community Based Learning, Natural Science: PHYS, Ethnic Diversity, Community Based Learning, Natural Science: PHYS, Ethnic Diversity, Community Based Learning, Natural Science: PHYS, Ethnic Diversity, Community Based Learning

ETHN 201 | Introduction to Ethnic Studies | 3 cr
Examines key concepts and methodologies of U.S. ethnic studies with particular emphasis on four underrepresented groups: Native American Indians, African Americans, Asian Americans, and Latinas(os).
Prerequisites: Sophomore standing.
Offered: Fall.
Meets: Social & Behavioral Science: ETHN, Ethnic Diversity, Social & Behavioral Science: ETHN, Ethnic Diversity, Social & Behavioral Science: ETHN, Ethnic Diversity, Social & Behavioral Science: ETHN, Ethnic Diversity, Social & Behavioral Science: ETHN, Ethnic Diversity

ETHN 206 | Race and Ethnic Relations in the U.S. | 3 cr
Introduces the formation and dynamics of ethnic and race relations in the United States and their social consequences in terms of marginalizing people and the unfair distribution of their life chances. Cross-listed with: SOCA 206.
Prerequisites: ANTH 100 or SOCA 101.
Offered: Fall, Spring, Summer.
Meets: Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity

ETHN 208 | Multicultural Theatre in America | 3 cr

Examines African American, Asian American, Latino American, and Native American cultures utilizes dramatic texts, live performance events, and anthropological research as a means of exploring and understanding voices of diversity expressed on the American stage in the past 50 years. Field trips to theatrical productions required; additional fees required. Cross-listed with: THEA 208. Fulfills Ethnic Diversity Requirement. Field trips to theatrical productions required; additional fees required.
Prerequisites: ENGL 101.
Offered: Occasionally.
Meets: Humanities and the Arts: THEA, Ethnic Diversity, Humanities and the Arts: THEA, Ethnic Diversity, Humanities and the Arts: THEA, Ethnic Diversity, Humanities and the Arts: THEA, Ethnic Diversity, Humanities and the Arts: THEA, Ethnic Diversity

ETHN 290 | Special Topics in Ethnic Studies | 1-3 cr

Selected topics in ethnic studies will be examined.
Prerequisites: None.
Offered: Occasionally.

ETHN 302 | Race/Ethnicity: United States America 1890 to the Present | 3 cr

Examines the continuing evolution of the United States into "an American kaleidoscope" during the 20th century. Tests the various concepts and models of technocultural interaction against the complexity and diversity of historical development during a century of rapid, massive change. Fulfills Ethnic Diversity Requirement. Cross-listed with: HIST 302.
Prerequisites: Junior standing or consent of instructor.
Offered: Spring.
Meets: Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity

ETHN 315 | Diversity Law: Tribal Nations | 3 cr

Tribal relationship with the United States government, as nations within a nation. Tribal sovereignty, Marshall trilogy, removal, allotment, Reorganization Act, the Indian Civil Rights Act, termination, Public Law 280, religious freedom, and modern tribal governments. The tribal nations of Wisconsin are emphasized. Fulfills Ethnic Diversity Requirement. Cross-listed with: POLS 315.
Prerequisites: Ethnic Studies minor or POLS 100, POLS 216 recommended.
Offered: Occasionally.
Meets: Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity

ETHN 316 | Diversity Law: African Americans | 3 cr

Analyzes the relationship of African Americans to the United States Constitution, and includes such topics as slavery, the Fugitive Slave Acts, the Civil War Amendments, segregation, the civil rights movement, voting rights, affirmative action, and housing laws. Cross-listed with: POLS 316.
Prerequisites: Ethnic Studies minor or POLS 100, POLS 216 recommended.
Offered: Occasionally.
Meets: Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity

ETHN 320 | Privilege and Power | 3 cr

Examines oppressive social systems constituted by inequitable distributions of privilege and power. Focuses on the relationship between dominant groups and historically underrepresented groups in the U.S. Emphasis on issues of social justice and personal responsibility. Cross-listed with: COMM 320.
Prerequisites: Junior standing or consent.
Offered: Yearly.
Meets: Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity

ETHN 333 | Contemporary American Immigration | 3 cr

Examines the global economic, social, and political forces that have shaped immigration to the United States since the passage of the Immigration and Nationality Act of 1965 and the ways in which immigration is changing the nation and the world. Includes models of assimilation, political participation, and psychological and cultural considerations.
Cross-listed with: HIST 333.
Prerequisites: None.
Offered: Yearly.
Meets: Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity

ETHN 336 | African-American Music | 3 cr

Survey and study of development and evolution of African American music 17th century to present with attention given to historical, sociological, political, and humanistic contexts. Cross-listed with: MUSI 336.
Prerequisites: None.
Offered: Summer.
Meets: Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity

ETHN 337 | African-American History | 3 cr

Examines the experiences of African Americans from colonial times to the present, emphasizing their evolution as an ethnic group and their struggle for equality. Cross-listed with: HIST 337.
Prerequisites: HIST 101 or HIST 102.
Offered: Fall (odd years).
Meets: Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity

ETHN 338 | Music of the Great Migration: 1900-1960 | 3 cr

Survey and study of African American music, from 1900-1960, related to the Great Migration and its next generation. Attention given to historical, sociological, political and humanistic contexts. Community-based learning designation. Cross-listed with: MUSI 338.
Prerequisites: None.
Offered: Occasionally.
Meets: Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning

ETHN 339 | Music of the Great Migration: 1960-1990 | 3 cr

Survey and study of African American music, from 1960-1990, related to the Great Migration and its next generation. Attention given to historical, sociological, political and humanistic contexts. Cross-listed with: MUSI 339.
Prerequisites: None.
Offered: Occasionally.

ETHN 343 | Latinas/os in U.S. | 3 cr
Focuses on the social, political, and cultural dynamics of the Latina/o experience in the U.S. including racial/ethnic identity, racism, economy, immigration, colonialism. Cross-listed with: SOCA 343.
Prerequisites: ANTH 100 or ETHN 201 or SOCA 101.
Offered: Fall.
Meets: Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity

ETHN 360 | Critical Ethnic Studies | 3 cr
Examines social conditions under which ethnic groups are labeled as "races" in the United States and in selected other societies, focusing on perceptions of whiteness and hybridity and their social consequences. Cross-listed with: SOCA 360.
Prerequisites: ANTH 100 or SOCA 101.
Offered: Occasionally.
Meets: Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity

ETHN 363 | Communication and Ethnicity | 3 cr
Examines communication practices that construct, maintain, transform, or threaten ethnic identity in a co-cultural context. May be repeated with different content. Emphasis rotates among African Americans, Asian Americans, Latino/as, and Native American Indians. Cross-listed with: COMM 363.
Prerequisites: None.
Offered: Fall, Spring, Winterim.
Meets: Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity

ETHN 365 | Intercultural Communication | 3 cr
Investigates the relationship between culture and human interaction, emphasizing ethical aspects of communication.
Cross-listed with: COMM 365.
Prerequisites: None.
Offered: Yearly.

ETHN 390 | Special Topics in Ethnic Studies | 1-3 cr
Selected topics in ethnic studies will be examined.
Prerequisites: Junior standing, ETHN 201.
Offered: Occasionally.

ETHN 490 | Special Topics in Ethnic Studies | 1-3 cr
Selected topics in ethnic studies will be examined.
Prerequisites: Junior standing, ETHN 201.
Offered: Occasionally.

ETHN 494 | Internship | 1-3 cr
Supervised experience in planned projects that expose students to ethnic subcultures in the United States. Up to 3 credits can be applied to the minor.
Prerequisites: Consent of instructor, program director.
Offered: Fall, Spring.

ETHN 499 | Independent Study | 1-5 cr
Topics individually arranged. Descriptions for other minor courses are located in their respective departments.
Prerequisites: Consent of instructor, program director.
Offered: Fall, Spring, Summer.

Finance (FIN)

FIN 134 | Personal Financial Planning | 3 cr
Prepares students to make their own financial decisions. Includes determining individual financial goals, cash management, investments, home mortgages, credit, taxation, and employee benefits such as health insurance and tax advantaged 401(k) and Roth 401(k) retirement plans. Does not count toward elective requirements for finance or general business concentrations.
Prerequisites: None.
Offered: Occasionally.
Meets: Social & Behavioral Science: BUS, Social & Behavioral Science: BUS, Social & Behavioral Science: BUS, Social & Behavioral Science: BUS, Social & Behavioral Science: BUS

FIN 222 | Discrimination in Banking | 3 cr
Explores mortgage lending discrimination by banks and lenders and how this contributes to ethnic disparities in home ownership.
Prerequisites: None.
Offered: Yearly.
Meets: Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity

FIN 290 | Special Topics in Finance | 1-3 cr
Selected topics in finance. Subject varies; see current course schedule.
Prerequisites: None.
Offered: Occasionally.

FIN 330 | Managerial Finance | 3 cr
Introduces concepts and practices of managerial finance, time value of money, bond and stock valuation, financial statements, capital budgeting and cost of capital.
Prerequisites: ACCT 201, ECON 121; QM 210 or MATH 309; completion of a minimum of 54 credits; business major/minor.
Offered: Fall, Spring.

FIN 335 | Investments | 3 cr
Introduces securities markets and various investment instruments. Includes the organization and operation of global security markets, risk and return analysis, asset allocation, and efficient markets.
Prerequisites: FIN 330, QM 310.
Offered: Fall.

FIN 336 | Management of Financial Institutions | 3 cr
Examines the structure and operation of financial institutions including commercial banks, thrifts, credit unions, insurance companies, security firms and investment banks, finance companies, mutual funds, and pension funds. Covers the techniques used to analyze and manage risks of financial institutions.
Prerequisites: QM 310, FIN 330 or concurrent registration.
Offered: Spring.

FIN 431 | Advanced Managerial Finance | 3 cr
In-depth analysis of topics in managerial finance, lease financing, capital structure and valuation, dividend policy, business expansion and contraction, and international finance.
Prerequisites: FIN 330, QM 310.
Offered: Fall.

FIN 435 | Security Analysis and Portfolio Management | 3 cr
Emphasizes developing skills for appraising the value of equities and fixed-income securities; includes a comprehensive financial markets trading simulation providing experience in the theory and practice of securities trading and portfolio management.
Prerequisites: FIN 335; business major/minor.
Offered: Spring.

FIN 437 | International Financial Management | 3 cr
Investigates the role of financial management in a multinational corporation context. Introduces concepts of foreign exchange rates, foreign exchange risk, hedging, and long term aspects of multinational financial management.
Prerequisites: FIN 330; business major/minor.
Offered: Spring.

FIN 490 | Special Topics in Finance | 1-3 cr
Selected topics in finance. Subject varies; see current course schedule. Junior standing, business major or minor.
Prerequisites: Varies with topic.
Offered: Occasionally.

FIN 494 | Internship | 1-3 cr
Designed to provide actual or quasi on-the-job learning experiences in which a student works with a single sponsoring organization in either the public or private sector under the supervision of a faculty member. Credit/no-credit grading basis.
Prerequisites: As provided in guidelines and policies available in Business Department; consent of instructor; department chair approval.
Offered: Fall, Spring, Summer.

FIN 499 | Independent Study | 1-3 cr
Designed to provide qualified students with an opportunity to conduct research projects in an appropriate area of finance under the supervision of a faculty member. Maximum of six credits.
Prerequisites: As provided in guidelines and policies available in Business Department; consent of instructor; department chair approval.
Offered: Fall, Spring, Summer.

Financial Technology (FNT)

FNT 700 | FinTech Essentials | 3 cr
Covers the FinTech ecosystem and its technology-assisted processes including core banking systems, ACH processing, payment systems, Interactive Teller Machines, money movement apps, bill pay systems, and credit card networks. Addresses financial statements, cash flow analysis, capital budgeting techniques, liquidity metrics, profitability and valuation analysis.
Prerequisites: Admission to the graduate certificate in Leading FinTech Transformation.
Offered: Fall, Spring, Summer.

FNT 705 | FinTech Analytics | 3 cr
Covers financial data technologies, financial data visualization, and developing financial analytics applications using current analytics software tools.
Prerequisites: Admission to the graduate certificate in Leading FinTech Transformation.
Offered: Fall, Spring, Summer.

FNT 710 | Managing FinTech Innovation | 3 cr
Examines how to cultivate an innovative organizational culture in the financial services industry. Explores FinTech project management topics, life cycle models, development processes, business analysis, risk analysis, vendor selection, and cybersecurity.
Prerequisites: Admission to the graduate certificate in Leading FinTech Transformation.
Offered: Fall, Spring, Summer.

FNT 730 | Technologies in FinTech | 3 cr
Explores how financial services use cloud computing, artificial intelligence, machine learning, and other technologies. Includes additional topics such as API design, robotic process automation, risk analysis, and cybersecurity.
Prerequisites: Admission to the graduate certificate in Emerging Technologies in FinTech.
Offered: Fall, Spring, Summer.

FNT 735 | Blockchain Technologies | 3 cr
Covers blockchain technologies such as those used in Bitcoin and Ethereum, cryptocurrencies vs blockchain, smart contracts, Decentralized Applications (dApps), Decentralized Finance (DeFi) applications, cryptocurrency wallets, blockchain test networks and transactions, regulatory landscape, cryptocurrency trading, and implications for accounting.
Prerequisites: Admission to the graduate certificate in Emerging Technologies in FinTech.
Offered: Fall, Spring, Summer.

FNT 740 | Artificial Intelligence and Machine Learning in FinTech | 3 cr
Explores artificial intelligence and machine learning strategies and how they can contribute to building more efficient financial services. Covers AI/ML techniques including decision trees, kNN, Random Forests, and SVM for applications such as credit evaluation, fraud detection, loan underwriting, algorithmic trading, and chatbots.
Prerequisites: Admission to the graduate certificate in Emerging Technologies in FinTech.
Offered: Fall, Spring, Summer.

French Studies (FREN)

FREN D391 | Represent Love and French Culture | 3 cr

FREN D422 | Literature Middle Ages-18th Century/UWM | 3 cr

FREN 103 | Introductory French I | 4 cr
Develops basic listening, speaking, reading and writing skills in French.
Prerequisites: Placement or no prior knowledge of French.
Offered: Fall.

FREN 104 | Introductory French II | 4 cr
Continues to develop basic listening, speaking, reading, and writing skills in French. Lab fee required.
Prerequisites: FREN 103 or equivalent or placement.
Offered: Spring.

FREN 111 | French for Singers | 1 cr
To help university vocal and choral students gain theoretical understanding and practical mastery of diction in French as it pertains to specific, select songs and choral pieces being learned with texts in those languages. Does not count for credit toward French major or minor.
Prerequisites: Enrollment in vocal music.

FREN 203 | Intermediate French I | 3 cr
Reviews and further develops listening, speaking, reading and writing skills in French at the intermediate level.
Prerequisites: FREN 104 or equivalent or placement.
Offered: Fall.

FREN 204 | Intermediate French II | 3 cr
Reviews and further develops listening, speaking, reading and writing skills in French at the intermediate level.
Prerequisites: FREN 203 or equivalent or placement.
Offered: Spring.

FREN 290 | Special Topics in French | 1-3 cr
Special topics in French Studies will be examined. May not be counted toward French Studies major when taught in English.
Prerequisites: None.
Offered: Occasionally.

FREN 301 | French Conversation and Composition | 3 cr
Provides advanced training in conversation and composition with emphasis on acquiring communicative skills in colloquial French.
Prerequisites: FREN 204 or equivalent or placement.
Offered: Fall (odd years).

FREN 318 | French Civilization and Culture | 3 cr
Multi-media presentation and discussion of historical, philosophical, and artistic developments in various periods in France. Readings in French. May repeat with different topic.
Prerequisites: FREN 204 or equivalent.

FREN 320 | Introduction to French Literature: | 3 cr
Study of a major literary genre and/or a cultural/literary period of movement. Development of historical perspective and techniques of critical analysis through the study of selected masterpieces of French poetry, drama or prose. May be repeated with different content.
Prerequisites: FREN 204 or equivalent.

FREN 341 | Teaching a Foreign Language | 3 cr
Current theories, practices, methods and materials pertinent to teaching a foreign language. Off-campus clinical experiences are an integral part of this course.
Prerequisites: TEDU 210, TEDU 230; admission to TEDU; FREN 301; or consent of instructor.
Offered: Occasionally.

FREN 350 | French Phonetics | 3 cr
Theory of French sounds in contrast to English, combined with practical laboratory training in pronunciation and orthography. Required of all intending to be teachers.
Prerequisites: FREN 204 or equivalent.
Offered: Fall (even years).

FREN 402 | Advanced Studies in French | 3 cr
Studies in French language, culture or literature. May be repeated for credit with different topic.
Prerequisites: FREN 301 or equivalent or consent of instructor.
Offered: Occasionally.

FREN 475 | Translation Internship | 1-3 cr
Translation interns work with area businesses and service agencies to furnish translations from and into French. May be repeated for credit.
Prerequisites: FREN 301 or equivalent, French studies major, and consent of instructor.
Offered: Fall, Spring.

FREN 490 | Special Topics in French | 1-4 cr
Selected topics in French studies will be examined.
Prerequisites: None.
Offered: Occasionally.

FREN 494 | Fieldwork in French | 1-6 cr
Application of French in areas of community concern and in local business and industry. May be repeated for maximum of 6 credits.
Prerequisites: Consent of instructor.
Offered: Occasionally.

FREN 495 | Senior Project | 3 cr
The senior project in French studies is designed to be a capstone experience which offers graduating students an opportunity to bring together several aspects of their French studies and general undergraduate course work in the form of an independent research project.
Prerequisites: Senior standing in French studies.
Offered: Spring.

FREN 499 | Independent Study | 1-3 cr
Available to qualified students under supervision of individual instructor. Normally, no more than 6 credits of Independent Study may be counted toward the major.
Prerequisites: Junior standing, consent of instructor and department chair.
Offered: Occasionally.

General Education Program (GNED)

GNED 102 | Foundations of Learning: Humanities and the Arts | 3 cr
Introduces core skills essential to success in college and the professional workplace, including time management, study techniques, information literacy, and writing skills. Explores interdisciplinary thinking and problem-solving, through the frame of multiple academic or professional disciplines.Topics may vary by instructor.
Prerequisites: Freshman Standing.
Offered: Fall.
Meets: Humanities and the Arts: GNED, Humanities and the Arts: GNED, Humanities and the Arts: GNED, Humanities and the Arts: GNED, Humanities and the Arts: GNED

GNED 104 | Foundations of Learning: Social and Behavioral Sciences | 3 cr
Introduces core skills essential to success in college and the professional workplace, including time management, study techniques, information literacy, and writing skills. Explores interdisciplinary thinking and problem-solving, through the frame of multiple academic or professional disciplines.Topics may vary by instructor.
Prerequisites: Freshman Standing.
Offered: Fall.
Meets: Social & Behavioral Science: GNED, Social & Behavioral Science: GNED, Social & Behavioral Science: GNED, Social & Behavioral Science: GNED, Social & Behavioral Science: GNED

GNED 106 | Foundations of Learning: Natural Science | 3 cr
Introduces core skills essential to success in college and the professional workplace, including time management, study techniques, information literacy, and writing skills. Explores interdisciplinary thinking and problem-solving, through the frame of multiple academic or professional disciplines.Topics may vary by instructor.
Prerequisites: Freshman Standing.
Offered: Fall.
Meets: Natural Science: GNED, Natural Science: GNED, Natural Science: GNED, Natural Science: GNED, Natural Science: GNED

GNED 190 | Special Topics | 1-5 cr
Topics of special interest to the process, content and assessment of general education. May be repeated for credit with different topic. Note: In some cases, online formats may be explored.
Prerequisites: Varies by topic.
Offered: Occasionally.

GNED 191 | Special Topics: Humanities and the Arts | 1-5 cr
Topics of special interest to the process, content and assessment of general education with specific emphasis in humanities and the arts. May be repeated for credit with different topic.
Prerequisites: Varies with topic.
Offered: Occasionally.
Meets: Humanities and the Arts: GNED, Humanities and the Arts: GNED, Humanities and the Arts: GNED, Humanities and the Arts: GNED, Humanities and the Arts: GNED

GNED 193 | Special Topics: Social and Behavioral Sciences | 1-5 cr
Explores topics of special interest to the process, content and assessment of general education with specific emphasis in the social and behavioral sciences. May be repeated for credit with different topic.Counts towards completion of the university's general education requirement in the social and behavioral sciences.
Prerequisites: Varies with topic.
Offered: Occasionally.
Meets: Social & Behavioral Science: GNED, Social & Behavioral Science: GNED, Social & Behavioral Science: GNED, Social & Behavioral Science: GNED, Social & Behavioral Science: GNED

GNED 195 | Special Topics: Natural Science | 1-5 cr
Topics of special interest to the process, content and assessment of general education with specific emphasis in the natural sciences. May be repeated for credit with different topic.
Prerequisites: Varies with topic.
Offered: Occasionally.
Meets: Natural Science: GNED, Natural Science: GNED, Natural Science: GNED, Natural Science: GNED, Natural Science: GNED

GNED 290 | Special Topics in General Education | 1-3 cr
Topics of special interest to the process, content and assessment of general education. May be repeated for credit with different topic.
Prerequisites: Freshman, sophomore standing.
Offered: Occasionally.

General Science (GSCI)

GSCI 102 | Science and Pseudoscience | 3 cr
This course provides a general introduction to the meaning and method of true science which will be examined in relation to fringe and pseudoscience topics.
Prerequisites: None.
Offered: Fall, Spring.
Meets: Natural Science: GSCI, Natural Science: GSCI, Natural Science: GSCI, Natural Science: GSCI, Natural Science: GSCI

GSCI 108 | Introduction to Bioinformatics and Molecular Medicine | 3 cr
Basic understanding of molecular aspects regarding health combined with related computer programming experience and discussion of ethical issues.
Prerequisites: MATH 111 and ENGL 100; or consent of instructor.
Offered: Yearly.

GSCI 290 | Special Topics in General Science | 1-4 cr
Selected topics in science will be examined.
Prerequisites: None.
Offered: Occasionally.

GSCI 490 | Special Topics in General Science | 1-4 cr
Selected topics in science will be examined.
Prerequisites: None.
Offered: Occasionally.

GSCI 496 | Internship | 1-3 cr
Supervised science education experience arranged outside of the University setting.
Prerequisites: Consent of Instructor and department chair.
Offered: Fall, Spring, Summer.

GSCI 499 | Independent Study | 1-3 cr
Prerequisites: Consent of Instructor and department chair.
Offered: Fall, Spring, Summer.

Geography (GEOG)

GEOG 100 | Physical Geography and the Environment | 3 cr
Investigates the patterns and processes of Earth's physical and biological systems and their influence on human behavior and distribution. Includes human impacts on climate, hydrologic cycle, and ecosystem development.
Prerequisites: None.
Offered: Fall, Spring, Summer.
Meets: Natural Science: GEOG, Natural Science: GEOG, Natural Science: GEOG, Natural Science: GEOG, Natural Science: GEOG

GEOG 101 | Geography of American Ethnicity and Race | 3 cr
Examines American ethnic and racial patterns from a geographic perspective. Considers historical forces shaping the geographical patterns of race and ethnicity. Explores contemporary issues in ethnic and race relations, including immigration. Cross-listed with: ETHN 101.
Prerequisites: None.
Offered: Fall, Spring, Summer.
Meets: Social & Behavioral Science: GEOG, Ethnic Diversity, Social & Behavioral Science: GEOG, Ethnic Diversity, Social & Behavioral Science: GEOG, Ethnic Diversity, Social & Behavioral Science: GEOG, Ethnic Diversity, Social & Behavioral Science: GEOG, Ethnic Diversity

GEOG 105 | Contemporary Human Geography | 3 cr
An overview of significant themes in human geography including population issues, cultural differences, globalization, languages, politics and foreign affairs, settlement patterns, migration, and economic organization.
Prerequisites: None.
Offered: Spring.
Meets: Social & Behavioral Science: GEOG, Social & Behavioral Science: GEOG, Social & Behavioral Science: GEOG, Social & Behavioral Science: GEOG, Social & Behavioral Science: GEOG

GEOG 108 | Culture and Environmental Sustainability | 3 cr
Explores interrelationships of cultural and natural systems, need for sustainability, and how different cultural groups view nature. Varying perspectives on environmentalism and what going green means to different parts of society. Resolving environmental problems and building sustainable futures.
Prerequisites: None.
Offered: Fall, Spring.
Meets: Social & Behavioral Science: GEOG, Social & Behavioral Science: GEOG, Social & Behavioral Science: GEOG, Social & Behavioral Science: GEOG, Social & Behavioral Science: GEOG

GEOG 110 | Introduction to Geography: World Regions | 3 cr
Studies the cultural and physical characteristics of major world regions. Examines how people live in different parts of the world. Emphasizes globalization, environmentalism, and geographic perspectives on current international issues.
Prerequisites: None.
Offered: Fall.
Meets: Social & Behavioral Science: GEOG, Social & Behavioral Science: GEOG, Social & Behavioral Science: GEOG, Social & Behavioral Science: GEOG, Social & Behavioral Science: GEOG

GEOG 250 | Map Use and Analysis | 3 cr
Introduces interpretation, analysis, and function of topographic and thematic maps. Includes hands on experience using maps and GPS in both the classroom and the field. Requires fees.
Prerequisites: None.
Offered: Occasionally.

GEOG 290 | Special Topics in Geography | 1-4 cr
Selected topics in geography will be examined.
Prerequisites: None.
Offered: Occasionally.

GEOG 291 | Special Topics in GIS: | 3 cr
Introduces selected topics and applications in Geographic Information Systems.
Offered: Occasionally.

GEOG 306 | Natural Disasters and Society | 3 cr
Exploration of natural disasters and their impacts on humans. Topics include earthquakes, tsunamis, volcanoes, tornadoes, hurricanes, floods, asteroid and comet impacts. Disaster planning and mitigation, GIS applications in disaster management.
Prerequisites: None.
Offered: Occasionally.

GEOG 308 | Conservation of Cultural and Natural Resources | 3 cr
Examines policies and problems in the use and management of both natural and cultural resources.
Prerequisites: None.
Offered: Spring (odd years).

GEOG 315 | Geography of Wisconsin | 3 cr
Describes Wisconsin's characteristics and compares the state to the rest of the United States. Explores patterns of history, population, climate, topography, economic activity, transportation, culture, and recreation. Examines current and ongoing statewide issues are examined from a geographic perspective.
Prerequisites: None.
Offered: Occasionally.

GEOG 323 | Climate Change | 3 cr
Investigates characteristics, processes, distribution, classification and geographical significance of Earth's climates. Causes and consequences of climate changes, especially its impacts on human populations.
Prerequisites: GEOG 100.
Offered: Occasionally.

GEOG 324 | Landforms and Environmental Processes | 3 cr
Examines the characteristics, processes, and distribution of Earth's landforms. Focuses on historical geology, tectonic events, rock formation, glaciations, river systems, soil development and consequences for humans. Includes field trip, lab applications, and aerial photo interpretation.
Prerequisites: GEOG 100 or GEOS 100 or consent of instructor.
Offered: Fall.

GEOG 326 | Biogeography | 3 cr
Focuses on the distribution of biodiversity in space and time. Includes plant identification, ecological and evolutionary patterns, conservation, restoration ecology, paleodynamics, and human impacts on species distributions. Includes field trips.
Prerequisites: GEOG 100 or BIOS 100 or BIOS 102 or BIOS 104.
Offered: Occasionally.

GEOG 350 | Cartography and GIS | 3 cr
Examines cartographic theory and methods as well as GIS technology. Covers the history of cartography, role of maps in society, quantitative and qualitative thematic mapping, and maps as both art and science. Explains digital cartographic design and data processing using GIS. Requires fees.
Prerequisites: None.
Offered: Fall.

GEOG 355 | Field Mapping | 3 cr
Focuses on the collection and analysis of field data using sub-meter Global Navigation Satellite Systems (GNSS) and Unmanned Aerial Vehicles (UAV). Community-based learning designation. Requires fees.
Prerequisites: GEOG 350.
Offered: Occasionally.
Meets: Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning

GEOG 360 | Urban Geography | 3 cr
Focuses on characteristics of urban regions. Analysis of the factors that determine urban development as well as patterns within urban areas. Transportation and housing issues. Ethnic neighborhoods and urban government. Urban planning models and practice are introduced to study urban problems like poverty, congestion, crime and infrastructure.
Prerequisites: A course in geography.
Offered: Fall.

GEOG 365 | Geography in Land Use Planning | 3 cr
Examines the forces and factors shaping contemporary land use patterns in the United States. Presents concepts, theories, and tools of land use planning through selected case studies from southeastern Wisconsin and northern Illinois.
Prerequisites: A course in geography.
Offered: Spring.

GEOG 370 | GIS and Planning | 3 cr
Focuses on the application of GIS technology to help planners research, analyze, and to create plans encountered by city planners. Requires fees.
Prerequisites: GEOG 350.
Offered: Occasionally.

GEOG 375 | Geography of Transportation | 3 cr
The significance of transportation within the modern world. Geographic analysis of transportation systems with emphasis on networks, cost, new technologies, commodity flows, traffic patterns, impacts on development, the different modes, and transportation problems. Transportation planning is included.
Prerequisites: A course in geography.
Offered: Occasionally.

GEOG 382 | Soil Ecosystems and Resources | 3 cr
Digs into soils as both natural bodies and as managed resources. Examines physical and chemical properties of soils, plant nutrition from soils, environmental impacts of climate, geomorphology, organisms on soils, and how soils are managed. Includes lab and field experience.
Prerequisites: GEOG 100.
Offered: Occasionally.

GEOG 384 | Landscape Ecology | 3 cr
Examines the effects of spatial structure on ecosystem processes and biodiversity. Covers landscape scale, natural disturbances, animal movements, patch dynamics, design of nature reserves, and the wildland-urban interface. Includes labs and outside field trips. Multi-career cross-listing: MAPS 584.
Prerequisites: GEOG 100 or 326 or consent of instructor.
Offered: Fall.

GEOG 390 | Special Topics in Geography | 3 cr
Selected topics in geography will be examined.
Prerequisites: None.
Offered: Occasionally.

GEOG 391 | Special Topics in Geographic Information Systems | 3 cr
Investigates selected topics and applications in Geographic Information Systems.
Prerequisites: GEOG 350 or consent of instructor.
Offered: Occasionally.

GEOG 396 | Field Methods in Geography | 3 cr
Provides opportunity to apply geographic concepts, scientific inquiry, methods, and tools in a field setting. Field trip required. May be repeated for credit with a different topic for a maximum of 9 credits.
Prerequisites: Consent of instructor.
Offered: Occasionally.

GEOG 410 | GIS and Communities | 3 cr
Examines the ethical ways to plan and execute community engaged research using Geographic Information Systems (GIS). Explores technical methods of computer-based spatial analysis to solve real-world social problems. Community-based learning designation. Requires fees.
Prerequisites: GEOG 350 or GEOG 460.
Offered: Occasionally.
Meets: Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning

GEOG 455 | Remote Sensing | 3 cr
Overview of remote-sensing systems (airborne and satellite). Principles of photographic and electromagnetic remote sensing systems which detect, record and measure distributions of natural and cultural phenomena. Interpretation of aerial and orbital imagery for urban planning and environmental research.
Prerequisites: GEOG 250 or GEOG 350 or consent of instructor.
Offered: Occasionally.

GEOG 460 | Introduction to Geographic Information Systems Analysis | 3 cr
Introduces spatial analysis using GIS technology, including data acquisition, integration and editing. Explores spatial analysis of natural and cultural phenomena using both vector and raster data models. Requires field-based data collection using GPS with a focus on local community issues. Requires fees.
Prerequisites: None.
Offered: Fall.

GEOG 465 | Advanced Geographic Information Systems Applications | 3 cr
Delves into advanced topics in GIS concepts and applications including data collection and integration, spatial analysis, project management and terrain analysis using digital elevation models. Focus on local community issues. Requires fees.
Prerequisites: GEOG 460 or consent of instructor.
Offered: Spring.

GEOG 490 | Special Topics in Geography | 1-3 cr
Selected topics in geography will be examined.
Prerequisites: Consent of instructor.
Offered: Occasionally.

GEOG 491 | Special Topics in Geographic Information Systems | 3 cr
Examines selected topics and applications in Geographic Information Systems.
Prerequisites: GEOG 350 or consent of instructor.
Offered: Occasionally.

GEOG 494 | Internship in Geography | 1-12 cr
Practical applications of geographic concepts, methods, and technologies. By working in planning agencies, GIS departments, environmental organizations, or other private of public units, students gain real world experience. Enrollment dependent on availability of suitable placement.
Prerequisites: Junior standing, geography or related major, 2.75 GPA in geography courses; consent of instructor and department chair.
Offered: Fall, Spring, Summer.

GEOG 495 | Senior Seminar | 3 cr
Provides opportunity to apply knowledge, concepts, and methods of geography and anthropology. Includes completing an original research project and communicating the results, as well as career development activities.
Prerequisites: Senior standing, geography or related major.
Offered: Spring.

GEOG 499 | Independent Study | 1-3 cr
Under instructor supervision, individual investigation of a topic related to geography. Maximum of 6 credits may be applied toward the major.
Prerequisites: Junior standing, 2.25 overall GPA; consent of instructor and department chair.
Offered: Fall, Spring, Summer.

GEOG 596 | Field Methods in Geography | 3 cr
Extensive application of geographic concepts, scientific inquiry, methods and tools in a hands-on field setting. Focus on understanding patterns of biodiversity in natural habitats, assessing native ecosystems as influenced by human activities, and designing sampling methods to quantify vegetation dynamics. Techniques can include taxonomy keys, dendrochronology, soil sampling, and spatial statistics. May be taken for credit each time a different focus or area is studied. Fees for transportation & supplies.
Prerequisites: Consent of instructor.
Offered: Occasionally.

GEOG 690 | Special Topics in Geography | 1-4 cr
Advanced study on selected topics in geography. Freq: Occasionally.
Prerequisites: None.
Offered: Occasionally.

Geosciences (GEOS)

GEOS 100 | Earth in Perspective | 3 cr
Surveys the physical environment, including Earth's place in space, atmospheric processes, the oceans, and the solid earth; humanity's place in the system. Three-hour lecture.
Prerequisites: None.
Offered: Fall, Summer.
Meets: Natural Science: GEOS, Natural Science: GEOS, Natural Science: GEOS, Natural Science: GEOS, Natural Science: GEOS

GEOS 101 | Introductory Geology | 3 cr
Explores the origin, age, and structure of the Earth; mountain building, volcanism, and continental drift; earth materials; rocks, minerals, and mineral and fossil fuel resources. Three-hour lecture.
Prerequisites: None.
Offered: Fall.
Meets: Natural Science: GEOS, Natural Science: GEOS, Natural Science: GEOS, Natural Science: GEOS, Natural Science: GEOS

GEOS 102 | Origin and History of the Earth | 3 cr
Investigates the origin of the solar system and Earth; age of the Earth; origin of the oceans, atmosphere and life; geologic and life history. May require field trips.
Prerequisites: A 3 credit college-level geosciences course.
Offered: Spring.

GEOS 104 | Introductory Geology Laboratory | 4 cr
Explores rock, mineral, and fossil identification; topographic and geologic map interpretation; aerial photographs; and hydrology, soils, and environmental geology. Six-hour lab. Requires fees.
Prerequisites: GEOS 101 or equivalent.
Offered: Spring.

GEOS 105 | Oceanography | 3 cr
Explains the origin of ocean basins; nature of seawater; ocean circulation; waves and tides; life in the sea and marine resources. Intended for non-majors.
Prerequisites: None.
Offered: Summer, Winterim.
Meets: Natural Science: GEOS, Natural Science: GEOS, Natural Science: GEOS, Natural Science: GEOS, Natural Science: GEOS

GEOS 106 | Great Lakes Water Resources | 3 cr
Physical and geologic history and description of Great Lakes region. Emphasis on hydrologic cycle, economic resources of the Great Lakes, pollution and other environmental issues. Three-hour lecture.
Prerequisites: None.
Offered: Spring.
Meets: Natural Science: GEOS, Natural Science: GEOS, Natural Science: GEOS, Natural Science: GEOS, Natural Science: GEOS

GEOS 107 | Geology of National Parklands | 3 cr
Introduces fundamentals of geology as they relate to national parklands, including geological setting, geological features, and significance of designation.
Prerequisites: None.
Offered: Fall, Spring, Summer, Winterim.
Meets: Natural Science: GEOS, Natural Science: GEOS, Natural Science: GEOS, Natural Science: GEOS, Natural Science: GEOS

GEOS 200 | Minerals and Rocks | 5 cr
Explores internal order of crystals; physical, chemical, and optical properties of minerals; mineral identification; mineral associations and the classification of igneous, metamorphic, and sedimentary rocks; and ore deposits. Requires field trips and lab fee. Three-hour lecture, three-hour lab.
Prerequisites: GEOS 104.
Offered: Fall.

GEOS 301 | Geomorphology | 5 cr
Covers analysis and description of landforms. Emphasizes genesis, surficial processes, and relation to geologic structure. Includes regional treatment of landscapes. Requires field trips. Three-hour lecture; three-hour lab. Community-based learning designation.
Prerequisites: GEOS 102, GEOS 200; or consent of instructor.
Offered: Fall (even years).
Meets: Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning

GEOS 309 | Paleontology | 3 cr
Applies principles, practices, and procedures to important fossil invertebrate groups; generalized discussion of plants and vertebrates; elements of biostratigraphy; paleoenvironmental interpretations. Field trips. Two-hour lecture; two-hour lab. Cross-listed with: BIOS 329.
Prerequisites: GEOS 102 or BIOS 102.
Offered: Spring.

GEOS 320 | Soils, Weathering and Surficial Processes | 5 cr
Describes soils as natural entities in a process-based context. Covers methods and terminology of soil description and classification. Digs into environmental capacity of soils on a quantitative basis. Three-hour lecture; three-hour lab.
Prerequisites: GEOS 104; CHEM 101, CHEM 103.
Offered: Occasionally.

GEOS 330 | Environmental Geology | 5 cr
Addresses application of basic geologic concepts to environmental problems. Emphasizes geologic hazards, waste disposal, urban planning, resource policy issues, and environmental trends and programs. Three-hour lecture; three-hour lab.
Prerequisites: GEOS 104 or consent of instructor.
Offered: Spring.

GEOS 331 | Introduction to Geochemistry | 3 cr
Investigates chemical principles and their application to various geologic environments, chemical weathering, geochemical prospecting, phase equilibria, and geochronology. Requires field trip.
Prerequisites: CHEM 102, CHEM 104.
Offered: Spring (odd years).

GEOS 345 | Geophysics | 3 cr
Surface and subsurface geophysics; principles and procedures of magnetics, gravity, seismology, electromagnetics, ground penetrating radar; applications in hydrogeology, petroleum and mineral exploration, environmental and water resource investigations. Field trips. Three-hour lecture.
Prerequisites: GEOS 102, MATH 114 or consent of instructor.
Offered: Spring (odd years).

GEOS 355 | Stratigraphy and Sedimentation | 5 cr
Explores the sedimentary rock record, correlation, nomenclature, paleotectonics, subsurface techniques, sedimentary processes and environments, and recent sediments. Three-hour lecture; three-hour lab.
Prerequisites: GEOS 104, GEOS 200 or consent of instructor.
Offered: Spring.

GEOS 361 | Hydrogeology | 3 cr
Examines surface water hydrogeology; runoff and stream flow; groundwater hydrogeology: distribution of ground water, aquifer properties, local and regional ground water flow, geology of ground water occurrence; aqueous chemistry, and water quality. Three-hour lecture.
Prerequisites: GEOS 200; MATH 114 or MATH 112 and MATH 113; or consent of instructor.
Offered: Spring (even years).

GEOS 420 | Glacial Geology | 5 cr
Explores regimen and flow of glaciers, glacial erosion and deposition; glacial landforms; Pleistocene history in glaciated and non-glaciated regions; and stratigraphy and chronology of Pleistocene deposits in the Midwest and Great Lakes. Requires field trips. Three-hour lecture; three-hour lab.
Prerequisites: GEOS 104, GEOS 200; or consent of instructor.
Offered: Spring (even years).

GEOS 431 | Aqueous and Contaminant Geochemistry | 5 cr
Examines solution chemistry, aqueous chemical speciation, organic chemistry, contaminant-sediment interaction, and contaminant fate and transport. Requires field trips. Three-hour lecture; three-hour lab.
Prerequisites: GEOS 331.
Offered: Spring (odd years).

GEOS 445 | Environmental Sampling, Monitoring, and Assessment | 5 cr
Covers EPA-referenced field and laboratory methods for evaluating contaminant levels in terrestrial and groundwater systems. Provides opportunity to practice sampling and monitoring techniques and gain experience with chromatographic and spectroscopic techniques. Three-hour lecture; three-hour lab. Requires lab fee.
Prerequisites: GEOS 330.
Offered: Fall.

GEOS 465 | Applied Hydrogeology | 4 cr
Mass transport in vadose and saturated zones; origin and behavior of inorganic and organic contaminants; investigative techniques; groundwater models; site remediation; groundwater resource development and management; water law. Three-hour lecture, three-hour lab. Field trips. Lab fee.
Prerequisites: GEOS 361.
Offered: Fall (even years).

GEOS 470 | Remediation Science and Technology | 3 cr
Investigates methods and techniques for reducing, removing or immobilizing metals and radionuclides. Three-hour lecture.
Prerequisites: GEOS 331, 361.
Offered: Spring (even years).

GEOS 490 | Special Topics in Geosciences | 1-4 cr
Intensive treatment of specialized areas in geology.
Prerequisites: Consent of instructor.
Offered: Occasionally.

GEOS 495 | Senior Seminar | 1 cr
Individual student preparations and detailed oral and written presentations, in professional-style format, on knowledge of specialized topics acquired through library, laboratory, and/or field research.
Prerequisites: GEOS 355 and senior standing.
Offered: Spring.

GEOS 496 | Geoscience Applications | 3 cr
Course in which students apply their knowledge in service to the community. Project may involve teamwork on environmental assessment, land-use planning, etc., or individual internships with corporate or governmental agencies. Culminates in report/recommendation based on investigations.
Prerequisites: GEOS 355 and senior standing; or consent of instructor.
Offered: Fall.

GEOS 497 | Senior Thesis | 1-2 cr
Familiarization with the processes of research and scientific writing based upon laboratory, field, and literature study; oral defense of the thesis. May repeat for up to 4 credits.
Prerequisites: Senior standing and consent of instructor.
Offered: Fall, Spring.

GEOS 499 | Independent Study | 1-3 cr
Allows students to pursue independent field, laboratory, or library research interest under supervision of faculty members. May be repeated with different topic for a maximum of 6 credits.
Prerequisites: Consent of instructor and department chair.
Offered: Fall, Spring.

Health and Wellness (HLTH)

HLTH 250 | First Aid and Safety | 3 cr
Provides knowledge and skills to help create a safe environment to prevent the risk of accidents and to deal with breathing, cardiac, and thermoregulatory emergencies; musculoskeletal injuries; and poisonings. Develops competencies in first aid, CPR, and AED use. Requires fees.
Prerequisites: None.
Offered: Yearly.
Meets: Natural Science: HKSM, Natural Science: HKSM, Natural Science: HKSM, Natural Science: HKSM, Natural Science: HKSM

HLTH 270 | Lifetime Wellness | 3 cr
Provides necessary knowledge and skills to develop a personal fitness/wellness program and to achieve greater lifelong health and wellness. Requires workouts outside of the scheduled class period.
Prerequisites: None.
Offered: Fall, Spring.
Meets: Social & Behavioral Science: HKSM, Social & Behavioral Science: HKSM, Social & Behavioral Science: HKSM, Social & Behavioral Science: HKSM, Social & Behavioral Science: HKSM

HLTH 280 | Nutrition for Wellness | 3 cr
Develops an understanding of the interaction of good nutrition and wellness. Focuses on nutritional strategies to maximize health including the needs and considers responses of special populations to diet. Community-based learning designation.
Prerequisites: None.
Offered: Fall, Spring.
Meets: Natural Science: HKSM, Community Based Learning, Natural Science: HKSM, Community Based Learning, Natural Science: HKSM, Community Based Learning, Natural Science: HKSM, Community Based Learning, Natural Science: HKSM, Community Based Learning

HLTH 321 | Women's Health Issues | 3 cr
Provides a comprehensive overview of critical, contemporary women's health topics and a framework for informed personal and social health decision-making. Includes health status and implications, nutrition and fitness; sexuality and reproductive health; violence in women's lives; heath of women across the life span; chronic diseases; and substance use/abuse issues. Community-based learning designation.
Prerequisites: At least sophomore standing.
Offered: Occasionally.
Meets: Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning

HLTH 490 | Special Topics in Health and Wellness | 1-3 cr
Examines selected topics in health and wellness.
Prerequisites: Varies by topic.
Offered: Occasionally.

HLTH 499 | Independent Study | 1-4 cr
Provides opportunity for independent work in health and wellness under faculty supervision.
Prerequisites: Consent of instructor and department chair.
Offered: Fall, Spring, Summer.

Health and Wellness Management (HWM)

HWM 700 | Contemporary Health and Wellness Perspectives | 3 cr
Explores the determinants of health, health equity, and best practices in fostering holistic well-being. Includes evidence-informed approaches to effectively promote individual and organizational well-being culture through multiple communication modalities. Covers the expectations and development of wellness professionals as agents of change.
Prerequisites: None.
Offered: Yearly.

HWM 705 | Strategic Management For Wellness Managers | 3 cr
Examines the development of an organization's strategic direction by evaluating the external environment and stakeholder needs and taking inventory of what internal resources and capabilities are necessary. Includes using this information to establish specific actions, create organizational structure and systems, and consider ethical implications and the inclusive culture needed to achieve organizational goals.
Prerequisites: None.
Offered: Yearly.

HWM 710 | Research and Data Analysis for Wellness Managers | 3 cr
Covers research methods and designs relevant to wellness program managers. Introduces various research designs including experimental and non-experimental, as well as qualitative and quantitative methods. Focuses on providing a practical understanding of several statistical tools used in wellness-related research.
Prerequisites: Elementary statistics or equivalent.
Offered: Yearly.

HWM 715 | Professional Communications for Wellness Managers | 3 cr
Addresses the role of effective communication in health and wellness management. Includes application of multiple communication skills and tools tailored to a target audience to bring about change in an organizational or community context.
Prerequisites: None.
Offered: Yearly.

HWM 725 | Evidence-based Practices in Health and Wellness | 3 cr
Explores evidence-based practice and its significance for health and wellness professionals. Covers procedures and tools to explore reliable information about health determinants and intervention approaches (physical, mental, and social well-being). Includes practical application of the stages of evidence-based practice.
Prerequisites: None.
Offered: Yearly.

HWM 730 | Holistic Aspects of Health | 3 cr
Examines current population health issues by analyzing their biological, psychological, and social-environmental determinants. Focuses on applying holistic, evidence-based approaches in health psychology. Provides opportunity to create and deliver effective evidence-informed messaging to address these issues and positively impact health outcomes.
Prerequisites: None.
Offered: Yearly.

HWM 750 | Planning and Evaluation for Wellness Managers | 3 cr
Examines planning, implementation, and evaluation of wellness programs as inter-related, cyclical activities. Provides opportunity to implement the major strategic activities and processes involved in planning and evaluating wellness programs, aiming to foster a culture of well-being within diverse environments.
Prerequisites: None.
Offered: Yearly.

HWM 755 | Health Policy and Action | 3 cr
Examines the role of government agencies in shaping health policy and health equity. Investigates current federal, state, and local regulations and impacts on health outcomes. Covers healthcare systems and insurance, including potential providers and contracts. Emphasizes ethical principles; social responsibility; and diversity, equity, and inclusion (DEI).
Prerequisites: None.
Offered: Yearly.

HWM 770 | Human and Group Behavior | 3 cr
Explores evidence from research studies to investigate the integration of health and wellness initiatives. Includes consideration of ethical practices. Examines organizational design (micro-, mid-, and macro-level) and human behavior to more effectively engage stakeholders and promote a culture of well-being.
Prerequisites: None.
Offered: Yearly.

HWM 787 | Health and Wellness Management Capstone Preparation | 1 cr
Provides the opportunity for students to prepare for their semester-long capstone project, identify a partner organization, develop a project proposal, and obtain approval from their home campus Institutional Review Board.
Prerequisites: MSHWM students must complete at least 18 credits or Academic Director Consent.
Offered: Yearly.

HWM 790 | Health and Wellness Management Capstone | 3 cr
Provides opportunity to complete an individual capstone experience (internship/special project) that demonstrates through understanding of the knowledge, skills and disposition necessary to be a successful health and wellness manager.
Prerequisites: HWM 787.
Offered: Yearly.

Health Information Management Technology (HIMT)

HIMT 301 | Digital Literacy in Healthcare | 3 cr
This course provides an overview of medical clinical workflow, with emphasis on inter-professional electronic documentation and functionalities of the electronic health record (EHR). Through hands-on experience, this course advances the students' understanding of the electronic health record, Health IT Policies, Data and Database Management Systems in support of the EHR. (Students admitted to the HIMT program, having completed at least 60 credits, are eligible to enroll in HIMT 301.)
Prerequisites: Admitted to Health Information Management and Technology; completion of 60 credits.
Offered: Fall, Spring, Summer.

HIMT 310 | Healthcare Systems and Organizations | 3 cr
Examines how healthcare and public health are organized and how their services are delivered in the United States (US). Topics to be covered include: public policy (including US health reform initiatives); organization of healthcare systems; components and operation of healthcare organizations including e-health delivery; professional roles and accreditation; legal and regulatory issues including licensure requirements.
Prerequisites: None.
Offered: Fall, Spring, Summer.

HIMT 320 | Survey of Information Technology in Healthcare | 3 cr
Essential healthcare information technologies (HIT) that are used for healthcare information systems (HISs) are examined. Popular HISs include electronic medical record systems (EMRS), the computerized provider order entry systems, telemedicine, telehealth and e-prescribing.
Prerequisites: None.
Offered: Fall, Spring, Summer.

HIMT 330 | Healthcare I: Terminology and Body Systems | 3 cr
Examines specific terminology and vocabulary used by workers in healthcare and public health. Topics include medical terminology that broadly relates to human anatomy and physiology, body systems and diagnosis, including prefixes, suffixes, roots and combined forms. Topics will also include healthcare taxonomies and nomenclatures (e.g. ICD-9-CM, ICD-10, etc.)
Prerequisites: UW Colleges BIO 101 or equivalent.
Offered: Fall, Spring, Summer.

HIMT 340 | Ethical Issues, Security Management and Compliance | 3 cr
Examines three broad subjects: 1) evidence-based medical ethics pertaining to healthcare information management; 2) framework of healthcare information security management including security principles, policies and procedures, security management models, risk assessment, and protection mechanisms; 3) healthcare regulations and compliance with focuses on the legislative systems, policies, and legal environment of healthcare in the U.S.
Prerequisites: None.
Offered: Fall, Spring, Summer.

HIMT 345 | Programming and Software Development | 3 cr
Introduction to: object-oriented (OO) programming paradigm, object-oriented systems analysis and design, fundamental data structures, and n-tier software design. Examination of the role of each in the software development process.
Prerequisites: HIMT 300.
Offered: Fall, Spring, Summer.

HIMT 350 | Statistics For Healthcare | 3 cr
Examines basic statistical methods for the health sciences with emphasis on the principles of statistical reasoning, underlying assumptions, hypothesis testing, and careful interpretation of results. Some topics covered: major study designs, descriptive statistics, graphical displays of data, probability, confidence intervals and tests for means, differences of means, sample size and power, differences of proportions, chi-square tests for categorical variables, regression, multiple regression, and non-parametric statistics.
Prerequisites: UW Colleges MAT 105 or equivalent.
Offered: Fall, Spring, Summer.

HIMT 355 | Principles of Management For HIMT Professionals | 3 cr
Provides an overview of basic principles involved in management and communication. Topics include basic management principles, communication skills, interpersonal communication competence, negotiation technique, team/consensus building, professional development, and problem solving/decision-making processes.
Prerequisites: None.
Offered: Fall, Spring, Summer.

HIMT 360 | Healthcare II: Survey of Disease & Treatments | 3 cr
Further investigates the topics covered in HIMT 330. Topics include human disease, human health issues and classification of disease/health issues. Diagnostics, treatments and clinical procedures that are currently in practice will be discussed. Other topics will include how the drugs and biologicals work, their limitations, and the current diversity of available drugs and biologicals.
Prerequisites: HIMT 330.
Offered: Fall, Spring, Summer.

HIMT 365 | Healthcare Economics | 3 cr
Applications of microeconomic theory to analyze the behavior of health and health care markets. Topics will include: supply and demand of health care services, private health insurance markets, government provision of health care services and health insurance, and health care policy.
Prerequisites: None.
Offered: Fall, Spring, Summer.

HIMT 370 | Healthcare Systems: Analysis and Design | 3 cr
The first course in a two-course sequence that addresses methods and techniques of healthcare information system (IS) analysis and design as performed within the system development life cycle. Included will be techniques for problem definition, requirements gathering, analysis, logical design, selection and evaluation of alternative healthcare information systems solutions from the point of view of the health provider and user. An emphasis is placed on analysis, selection, and evaluation of information systems as they relate to healthcare.
Prerequisites: HIMT 300.
Offered: Fall, Spring, Summer.

HIMT 375 | Database Structures and Management Systems | 3 cr
Analyze and design databases to support computer-based information systems. Develop and implement relational database management systems using SQL. Topics include: data modeling techniques such as entity-relationship modeling, extended entity-relationship modeling, database constraints, database normalization techniques, and basic and advanced features of database query language SQL, etc.
Prerequisites: None.
Offered: Fall, Spring, Summer.

HIMT 380 | Healthcare Billing, Coding, and Reimbursement | 3 cr
This course examines the coding and reimbursement connection; topics include managed care plans, prospective payment systems, Medicare-Medicaid reimbursement, resource-based Relative Value Scale, case mix management, and revenue cycle management.
Prerequisites: None.
Offered: Fall, Spring, Summer.

HIMT 399 | Special Topics in Health Information Management and Technology | 3 cr
Examines a specific topic within Health Information Technology for seminar or independent study.
Prerequisites: None.
Offered: Fall, Spring, Summer.

HIMT 400 | Healthcare Information and Technology - Data | 3 cr
Explores the sources and data contents of healthcare information as well as the proper presentation of it for different usage levels. Topic addressed include: 1) data structure and use of health information (individual, comparative and aggregate), 2) type and content of health record, 3) data quality assessment, 4) secondary data sources, 5) healthcare data sets, 6) Health information archival systems, and 7) National Health care Information Infrastructure (NHII). This course will also cover topics in bioinformatics.
Prerequisites: HIMT 360.
Offered: Fall, Spring, Summer.

HIMT 410 | Healthcare Systems: Implementation and Integration | 3 cr
Examines the back-end stages of healthcare systems development lifecycle through the development of technical design specifications, procurement procedures (RFP, RFQ, vendor evaluation and selection, and contracting), systems configuration and integration, installation, conversion, operation, and maintenance. Pre-installation testing and post-conversion auditing and monitoring will be emphasized to address the upcoming requirements of federal certification of EHR systems.
Prerequisites: HIMT 300 and HIMT 370.
Offered: Fall, Spring, Summer.

HIMT 415 | Human Resource Management in Healthcare | 3 cr
Examines the role of Health Information Management staff in managing human resources to facilitate staff recruitment, training, retention and supervision. Emphasis includes ensuring compliance with employment laws and evaluating staff performances.
Prerequisites: None.
Offered: Fall, Spring, Summer.

HIMT 420 | Healthcare Systems: Project Management | 3 cr
This course addresses the phenomenal impact information system (IS) projects have had on healthcare delivery. Students learn how healthcare IS projects affect organizations, doctors, patients, and chronic-illness treatments, as well as individuals interested in managing their own healthcare. Concepts and tools for effective healthcare IS project management, process re-engineering and work redesign are introduced. The purpose of this course is to expose students to IS project management activities in healthcare settings. Topics covered include recent healthcare IS project trends, budgeting, scheduling, resource management, scope, risk analysis, and deployment controls. The genesis of healthcare project management is covered using specific cases and examples.
Prerequisites: None.
Offered: Fall, Spring, Summer.

HIMT 425 | Data Warehousing and Mining | 3 cr
Examines the concept of data warehouse and its effectiveness in supporting strategic decision making. Address the process of creating data warehouse/data-mart solutions from the identification of the enterprise informational and analytical needs to producing business intelligence by extraction information form the data warehouse by using data mining methods and models.
Prerequisites: HIMT 375.
Offered: Fall, Spring, Summer.

HIMT 430 | Quality Assessment and Improvement | 3 cr
Examines the Quality Assessment and Quality Improvement cycle (Plan, Do, Act, Check) and the role of the Health Information Technology and Health Information Management in the process. Tools used in quality and risk management processes will be examined.
Prerequisites: HIMT 350.
Offered: Fall, Spring, Summer.

HIMT 435 | Data Communications and Computer Networks in Healthcare | 3 cr
Provides fundamentals of data communications and networking techniques, and examines the linkage of information technology strategies and technological solutions enabling effective communication within and between healthcare organizations. Major topics include fundamental concepts of data communications and applications, network communication devices, basic technologies of the Local Area Network, Wireless Local Area Network, Wide Area Network, Internet and the Web, the OSI stack, healthcare information systems standards, and the HIE, RHIN, and the NHIN.
Prerequisites: HIMT 300.
Offered: Fall, Spring, Summer.

HIMT 440 | Group Processes, Team Building and Leadership | 3 cr
Examine the necessary group/team processed that are at the rot of building, developing, and maintaining medical/healthcare work teams and the effective functioning of such teams. The course also provides an overview of leadership development techniques and explores the uses of various communication technologies in the team building and functioning process.
Prerequisites: HIMT 355.
Offered: Fall, Spring, Summer.

HIMT 445 | Application of Leadership and Management in Healthcare Technology | 3 cr
This course assimilates and integrates concepts and applications of management and leadership in the healthcare advancing on the topics covered in HIMT 355, 365 and 415. Topics will include strategic leadership concepts, exploring key factors that impact management and planning, change management, critical organizational behaviors for leadership and management focusing on best practices and organizational accountability and assessment models.
Prerequisites: HIMT 355, HIMT 365, HIMT 415.
Offered: Fall, Spring, Summer.

HIMT 450 | Healthcare Information and Technology-Standards | 3 cr
Introduces healthcare information technology standards including standards and regulations for documentation, and will cover health information standards. Investigates soft-ware applications and enterprise architecture in healthcare and public organizations.
Prerequisites: HIMT 400.
Offered: Fall, Spring, Summer.

HIMT 489 | Pre-Capstone: Health Information Management and Technology | 1 cr

This is a one-credit course that is intended to serve as an orientation for the HIMT 490 Capstone course and includes content related to the national accrediting exams for Health Information Management and Health Information Technology certifications, resume development, and professional development to assist students in their upcoming capstone experience.

Prerequisites: None.

Offered: Fall, Spring, Summer.

HIMT 490 | Capstone Project | 3 cr

Explores the theory and dynamics of interprofessional and team practice in health information management and technology with the context of projects undertaken in healthcare settings. Work may involve all phases of project development. Project set-up will be jointly done by the student, site sponsor, and the course faculty.

Prerequisites: HIMT 400.

Offered: Fall, Spring, Summer.

Healthcare Administration (HCA)

HCA 700 | U.S. Healthcare Systems | 3 cr

Introduces the many public and private elements of the U.S. healthcare system. Explores the historical, social and cultural, financial and economic, and political as well as regulatory factors, and how they interact to influence the delivery of care and services that affect individual and population health outcomes.

Prerequisites: None.

Offered: Fall, Spring, Summer.

HCA 701 | Senior Care and Services Systems | 3 cr

Explores the foundation of academic and professional disciplines in senior services and examines regulations in senior care and service organizations. Provides exposure to knowledge and tools for the development and implementation of programs and practices that advance a high quality and safe living or service environment for frail seniors and other populations in need of care or service.

Prerequisites: Admission into HCA masters or certificate program.

Offered: Fall, Spring.

HCA 702 | Leadership Practices across the Senior Care Continuum | 3 cr

This course provides an up-to-date review and exploration of a variety of topics important to the success of an administrative leader in senior care and services. Selected topics focus the knowledge and application of leadership and management skills necessary in today's health care and aging services environment.

Prerequisites: Admission into HCA masters or certificate program.

Offered: Fall, Spring.

HCA 705 | Population Health and Epidemiology | 3 cr

Identifies and addresses epidemiology, biostatistics, including study design within a healthcare framework. Applies these elements to individuals and populations while addressing critical public health perspectives across a broad spectrum from individuals to larger systems to improve the health of a community.

Prerequisites: None.

Offered: Fall, Spring, Summer.

HCA 710 | Health Communication | 3 cr

Examines the analysis and use of communication strategies to inform and influence individual and community decisions that impact health. Explores topics such as the social construction of health, social support, literacy, survivorship, social and community issues, risk management, marketing and public relations, health messaging and promotional campaigns, theory application, and identity across contexts.

Prerequisites: None.

Offered: Fall, Spring, Summer.

HCA 715 | Healthcare Technology, Data Analytics, and Information Governance | 3 cr

Covers various topics including electronic health records; health IT privacy and security; health information exchanges; IT for revenue cycle management; utilizing technology to analyze healthcare data including MS-DRG data, hospital readmission data, medicare spending, and healthcare quality data; Technologies for diagnosis and treatment; big data applications in healthcare.

Prerequisites: None.

Offered: Fall, Spring, Summer.

HCA 720 | Healthcare Financial Management | 3 cr

Studies the principles of healthcare finance. Includes financial and management accounting, the financial reporting structure of healthcare organizations, healthcare financial statement analysis, costing and budgetary methods, sources of healthcare revenue and expenses, processes for healthcare billing, and capital investment decisions.

Prerequisites: None.

Offered: Fall, Spring, Summer.

HCA 730 | Human Capital Management in Healthcare | 3 cr

Examines complexities in human resource management strategies in healthcare organizations. Provides knowledge and tools to develop high potential workforces using a people-centered approach to human capital management, organizational culture/climate, communication, and talent development to ensure competitive advantage in creating sustainable high-performance healthcare organizations in rural and urban settings.

Prerequisites: HCA 700, HCA 720.

Offered: Fall, Spring, Summer.

HCA 740 | Healthcare in Operations and Project Management | 3 cr

Examines operations management techniques unique to healthcare processes. Addresses solutions for operational issues in healthcare facilities and supply chain. Highlights essential components of healthcare project management. Emphasizes operational and management tools and techniques for healthcare project and process execution.

Prerequisites: HCA 715, HCA 720.

Offered: Fall, Spring, Summer.

HCA 750 | Healthcare Quality and Performance Management | 3 cr

Provides an overview of quality models and risk management in healthcare. Explores theories concepts, skills, tools and environmental factors. Focuses on measurement and analysis techniques, as well as real-world applications of quality approaches to implement and sustain performance improvements.

Prerequisites: HCA 715.

Offered: Fall, Spring, Summer.

HCA 760 | Health Law and Policy | 3 cr
Studies the political, legal, regulatory, and ethical environments within which healthcare administrators operate. Explores the legal frameworks related to the healthcare system, with an ethical focus. Considers the impact of political structure on healthcare policy, with an emphasis on the role played by healthcare administrators in policy advocacy.
Prerequisites: None.
Offered: Fall, Spring, Summer.

HCA 770 | Organization Development and Strategic Leadership in Healthcare | 3 cr
Explores organization development and leadership theories, including self-discovery of leadership potential and change leadership strategies applied within healthcare organizations. As a blend of theory and application, course is designed for individuals to work toward identifying and facilitating broad-scale organizational change while employing strategic leadership practices in healthcare.
Prerequisites: HCA 730, HCA 740 and HCA 750.
Offered: Fall, Spring, Summer.

HCA 780 | Communicating Current and Emerging Topics in Healthcare | 3 cr
Investigates current and emerging trends influencing healthcare such as healthcare policies and politics, ethics, emerging technologies, healthcare population/disease demographics and reimbursement models. Explores differences between rural, urban and global settings.
Prerequisites: HCA 715.
Offered: Fall, Spring, Summer.

HCA 789 | Capstone Preparation | 1 cr
Prepares the student for applied capstone course, including assisting with site identification, coordination and approval of placement and of a substantive work project while working with site mentor/supervisor.
Prerequisites: HCA 700, HCA 710, HCA 720, HCA 730, HCA 740, HCA 750, and HCA 770.
Offered: Fall, Spring, Summer.

HCA 790 | Capstone | 3 cr
Applies aspects of theory and dynamics of interprofessionalism in healthcare setting(s). Capstone work (minimum 150 hours) will be completed in partnership with site mentor/supervisors. A substantive work project-deliverable demonstrating summative application of previous coursework will be expected.
Prerequisites: HCA 700, HCA 710, HCA 720, HCA 730, HCA 740, HCA 750, HCA 770 and HCA 789.
Offered: Fall, Spring, Summer.

History (HIST)

HIST 101 | The United States: Origins to Reconstruction | 3 cr
Analyzes the social, economic, ethnic, cultural and political development of the United States from its Native American origins to the end of post-Civil War Reconstruction.
Prerequisites: None.
Offered: Fall, Spring.
Meets: Social & Behavioral Science: HIST, Social & Behavioral Science: HIST, Social & Behavioral Science: HIST, Social & Behavioral Science: HIST, Social & Behavioral Science: HIST

HIST 102 | The United States: Reconstruction to Recent Times | 3 cr
Analyzes the historical development of the United States from the end of Reconstruction to the recent past, with emphasis on the country's emergence as a modern industrial, society and a world power.
Prerequisites: None.
Offered: Fall, Spring, Summer.
Meets: Social & Behavioral Science: HIST, Social & Behavioral Science: HIST, Social & Behavioral Science: HIST, Social & Behavioral Science: HIST, Social & Behavioral Science: HIST

HIST 103 | History and Cultures of Modern Asia | 3 cr
Examines the social, cultural, historical, religious, economic, and political aspects of life in modern Asia, including China, India, Japan, Southeast Asia, and their neighboring countries.
Cross-listed with: INTS 103.
Prerequisites: None.
Offered: Fall.
Meets: Social & Behavioral Science: HIST, Social & Behavioral Science: HIST, Social & Behavioral Science: HIST, Social & Behavioral Science: HIST, Social & Behavioral Science: HIST

HIST 104 | Introduction to the Middle East | 3 cr
introduces the diverse peoples and cultures of the Middle East by discussing political and economic aspects of the region, as well as religious, societal, and cultural elements. Examines topics in twentieth-century history up to the present, such as political Islam, the causes and consequences of major wars, extremist groups, and US policy in the region. Discusses the family, religious practices, women's status, education, and other issues affecting peoples' lives today.
Prerequisites: None.
Offered: Spring (even years).

HIST 118 | Western Civilization I: From Antiquity to 1300 | 3 cr
Western civilization began with the written records of the Mesopotamians. It was shaped by the religious influences of the Egyptians and Hebrews, the democratic and legal ideas of the Greeks and Romans, the early conflicts between Christianity and Islam, and the birth of early Europe. This course examines the political, social, and cultural beginnings of the Western world, and how these developments continue to impact us today.
Prerequisites: None.
Offered: Fall.

HIST 119 | Western Civilization II: The Middle Ages to 1815 | 3 cr
Surveys the political, religious, social and cultural changes in Europe which gave rise to the modern world order.
Prerequisites: None.
Offered: Fall, Spring.
Meets: Social & Behavioral Science: HIST, Social & Behavioral Science: HIST, Social & Behavioral Science: HIST, Social & Behavioral Science: HIST, Social & Behavioral Science: HIST

HIST 120 | Western Civilization III: From 1815 to the Present | 3 cr
Post-Napoleonic Europe embodies notions of moral and social improvement, ideas that were compatible with industrialization, nationalism, and political change. The struggle for cultural dominance led to a scramble for colonization, tow global conflicts and the Cold War. This course examines the last two centuries of Western history, beginning with the idealism of the Congress of Vienna in 1815 to a more pragmatic modern day.
Prerequisites: None.
Offered: Fall.

HIST 126 | World History I: From Antiquity to 1300 | 3 cr
Explores the rise of ancient civilization in Mesopotamia, Egypt under the Pharaohs, China through the Song Dynasty, Japan, the Indus River Valley, Persia, and sub-Saharan Africa. Introduces the diverse peoples and cultures of the ancient through early medieval world by discussing political, economic, societal, and cultural transformations. Examines the origins of world religions and religious practices, the family, women¿s status, and other issues affecting peoples¿ lives in this period
Prerequisites: None.
Offered: Spring.

HIST 127 | World History II: From 1300 to 1800 | 3 cr
Surveys the rapid expansion of the Mongol Empire before and after Genghis Khan, the growth of the Ottoman Empire, China from the Song to the Qing dynasty, and the steady rise of European colonial power around the globe. Topics include the Black Death, the Spanish conquest of the Aztec world, and the Atlantic Slave Trade.
Prerequisites: None.
Offered: Occasionally.

HIST 128 | World History III: From 1800 to the Present | 3 cr
Considers the roles of empire, technology, and ideology in this era of rapid social change. Includes the Haitian Revolution, imperialism, the aftermath of decolonization in Africa, the World Wars, the Israeli-Palestinian Conflict, the Iranian Revolution, China from the Opium Wars to global power, and the progress made by women.
Prerequisites: None.
Offered: Fall, Spring.
Meets: Social & Behavioral Science: HIST, Social & Behavioral Science: HIST, Social & Behavioral Science: HIST, Social & Behavioral Science: HIST, Social & Behavioral Science: HIST

HIST 137 | Hispanic American History | 3 cr
Examines major themes of Hispanic American history including the political, social, economic, and cultural development of the Hispanic people in the U.S. from colonial times until the present.
Prerequisites: None.
Offered: Occasionally.

HIST 138 | African American History | 3 cr
Explores African American history from the late 19th century to the present when new leaders and organizations emerged as part of the effort to gain greater agency over their lives and futures in the U.S.
Prerequisites: Consent of instructor.
Offered: Summer.

HIST 139 | Native American History | 3 cr
Explores major themes of Native American history, beginning with the period before European contact and ending with tribal self-determination.
Prerequisites: Consent of instructor.
Offered: Summer.

HIST 180 | Popular Culture | 3 cr
History of different forms of popular cultural expression in music, literature, film, magazines, art, etc. Topics may vary for different Western and non-Western societies. May be repeated for credit with different topics.
Prerequisites: None.
Offered: Occasionally.

HIST 250 | Sources and Methods in History | 3 cr
Explores basics of historical methods in research and writing, mechanics of archival and library research in order to produce a final paper involving primary and secondary sources.
Prerequisites: At least two of the following with a C or better: HIST 101, HIST 102, HIST 118, HIST 119, HIST 120, HIST 126, HIST 127, HIST 128.
Offered: Fall.

HIST 260 | International Conflict | 3 cr
Focuses on the conflict generated by modernization, industrialization, the search for colonies and nationalism. Topics vary and course may be repeated for credit with different content. May repeat with different topic.
Prerequisites: ENGL 101 and one 100 level history course.
Offered: Occasionally.

HIST 268 | Introduction to Holocaust Studies | 3 cr
Examines historical, philosophical and other issues surrounding the Holocaust, using texts by those who experienced the Holocaust. Cross-listed with: ENGL 268.
Prerequisites: ENGL 101 with grade of C- or better; or consent of instructor.
Offered: Occasionally.

HIST 290 | Special Topics in History | 1-4 cr
Selected topics in history will be examined.
Prerequisites: ENGL 101 and one 100 level history course.
Offered: Occasionally.

HIST 302 | Race/Ethnicity: United States America 1890 to the Present | 3 cr
Examines the continuing evolution of the United States into "an American kaleidoscope" during the 20th century. Tests the various concepts and models of ethno-cultural interaction against the complexity and diversity of historical development during a century of rapid, massive change. Cross-listed with: ETHN 302.
Prerequisites: HIST 250 or consent of instructor.
Meets: Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity

HIST 307 | History of Wisconsin | 3 cr
Explores the transformation of Wisconsin from an agrarian territory to an urban, industrial, ethnically diverse state. Uses the facilities of the Area Research Center and the Wisconsin Historical Society. Emphasizes the distinctive value and challenges of studying state and local history.
Prerequisites: HIST 250 or consent of instructor.
Offered: Fall (even years).

HIST 315 | History of Modern Middle East | 3 cr
Examines the historical context of and underlying reasons for the challenges facing the Middle East today. Topics include Egypt from Muhammad Ali through the Arab Spring, Qajar Iran through the Islamic Republic, the Israeli-Palestinian Conflict, and Western interventions in the region, including the most recent U.S. wars.
Prerequisites: HIST 250 or consent of instructor.
Offered: Fall (even years).

HIST 318 | History of Islam | 3 cr
Examines the history of Islam from its origins in seventh-century Arabia to becoming the world's second largest religion today. Covers the life of Muhammad, the Sunni-Shi'a split; the major Islamic empires, Islamic modernists, Islamists, extremists and the status of women and gender debates in Islam.
Prerequisites: HIST 250 or consent of instructor.
Offered: Fall (odd years).

HIST 319 | Arab-Israeli Conflict | 3 cr
Explores the complexities of the Arab-Israeli Conflict, as well as the social histories of Palestinians and Israelis as real people with every day lives and concerns.
Prerequisites: HIST 250 or consent of instructor.
Offered: Spring (odd years).

HIST 324 | History of American Politics | 3 cr
Interdisciplinary course in the development of the American political system from colonial times to the present, utilizing concepts of political science and sociology. Emphasis on the causes and nature of political change.
Prerequisites: HIST 250 or consent of instructor.
Offered: Occasionally.

HIST 325 | Mayhem and the Metropolis | 3 cr
This course explores the rise and social development of selected large cities during the 19th and 20th centuries, with an emphasis on the crime, poverty, and social upheaval that resulted from their rapid growth. This is not a course on forensics or crime-solving, but rather a look at selected individuals and their offenses by examining the urban environment that helped create them.
Prerequisites: ENGL 101, any 100-level history course.
Offered: Fall (odd years).

HIST 326 | Age of Napoleon, 1770-1825 | 3 cr
Delves into the life and impact of Napoleon and the world in which he lived. Examines key events in early nineteenth-century Great Britain, Continental Europe, and the United States.
Prerequisites: ENGL 101, HIST 250.
Offered: Occasionally.

HIST 327 | History of Britain I: to 1603 | 3 cr
A survey of British social and political developments, beginning with the arrival of the Romans in 55 BC and continuing through to the death of Elizabeth I in 1603. While the primary emphasis wil be on England, the course will touch on all of the regions that form the United Kingdom.
Prerequisites: ENGL 101.
Offered: Fall.

HIST 328 | History of Britain II: 1603 to Present | 3 cr
This course continues the examination of British social and political developments, beginning with the Stuart Dynasty through to the ascension of Elizabeth II in 1953. Focus includes such topics as the English Civil War, the Industrial Revolution, Britian and Abolitionism, Colonialism, and the rise and fall of the British Empire.
Prerequisites: ENGL 101.
Offered: Fall.

HIST 330 | Evolution of Pre-Modern Russia | 3 cr
Describes Russia in the heyday of serfdom and discusses its responses to industrialization, intensified contact with the West, and demand for modernization through the revolutions of 1917.
Prerequisites: HIST 250 or consent of instructor.

HIST 331 | History of Russia, 1917 to the Present | 3 cr
Explores the modern political, cultural and economic systems created in Russia since 1917.
Prerequisites: HIST 250 or consent of instructor.
Offered: Fall.

HIST 335 | Native American History | 3 cr
An in-depth examination of the major themes of Native American history, beginning with the period before European contact and ending with the current emphasis on tribal self-determination. Topics to be discussed include the devastating effects of colonization on Native Americans, and the contradictory federal policies of removal, reservations, and allotment/assimilation.
Prerequisites: HIST 101, HIST 250; or consent of instructor.
Offered: Occasionally.
Meets: Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity

HIST 336 | Poverty in American History | 3 cr
Explores the problem of poverty in American history, emphasizing the experiences of poor Americans, the evolution of explanations of poverty, and how Americans have confronted the issue. Includes a community-based learning component.
Prerequisites: HIST 101 or HIST 102; and HIST 250.
Offered: Fall (even years).

HIST 337 | African-American History | 3 cr
Examines the experiences of African Americans from colonial times to the present, emphasizing their evolution as an ethnic group and their struggle for equality. Fulfills Ethnic Diversity requirement. Cross-listed with: ETHN 337.
Prerequisites: HIST 101 or HIST 102.
Offered: Fall (odd years).
Meets: Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity

HIST 339 | American Colonial History | 3 cr
An examination of the European exploration and colonization of North America, including interactions with native populations culminating with the American Revolution.
Prerequisites: HIST 101; HIST 250 or consent of instructor.
Offered: Occasionally.

HIST 340 | Early American Republic | 3 cr
Traces the political, cultural and social development of the United States form the American Revolution to the Antebellum period.
Prerequisites: HIST 101; HIST 250 or consent of instructor.

HIST 342 | The American Civil War | 3 cr
Examines the origins and outcomes of the United States bloodiest conflict, including slavery, westward expansion, and Reconstruction.
Prerequisites: HIST 250 or consent of instructor.

HIST 344 | Gilded Age and Progressive Era, 1877-1917 | 3 cr
Explores the emergence of the United States as a modern, urban, industrial, multiethnic world power between the end of Reconstruction and American entry into World War I. Stresses the many efforts to reform various aspects of life during the Populist and Progressive Eras.
Prerequisites: HIST 250.
Offered: Occasionally.

HIST 345 | America in Power and Peril 1917-1953 | 3 cr
Explores the nation's experience as an emergent global power along with the effects of waxing and waning domestic prosperity during the first half of the twentieth century; examines the challenges of urban.rural, racial/ethic, and gender divisions in the nation, along with the growth of American culture.
Prerequisites: HIST 250.
Offered: Fall (odd years).

HIST 346 | Recent America: 1953-Present | 3 cr
Examines the United States as superpower, the benefits and limits of postwar prosperity, the rights revolution, the era of cynicism and limits on government, the challenges and opportunities of multiculturalism, and the redefinition of the nation's role in the world.
Prerequisites: HIST 250.
Offered: Spring (even years).

HIST 347 | Topics in Latin American History | 3 cr
Focuses on specific countries or on particular aspects of Latin American development; for example, revolution and land reform. May be repeated for credit with different topics.
Prerequisites: HIST 250 or consent of instructor.
Offered: Occasionally.

HIST 362 | Topics in Nineteenth Century Europe | 3 cr
Topics include political and social revolutions; modernization and industrialization; nationalism, new cultural movements; the rise of modern ideologies; feminism and women's rights.
Prerequisites: HIST 120; and HIST 250 or consent of instructor.
Offered: Occasionally.

HIST 368 | Immigration and Race in Modern Europe | 3 cr
Covers migration both within and from outside Europe from the 19th Century to the present; government policies encouraging and discouraging immigration; ideas of race and racism; experiences of immigrants; and hybrid cultures resulting from immigration.
Prerequisites: HIST 120 or HIST 128 and HIST 250 or consent of instructor.
Offered: Occasionally.

HIST 390 | Special Topics in History | 1-4 cr
Selected topics in history will be examined.
Prerequisites: None.
Offered: Occasionally.

HIST 460 | International Conflict | 3 cr
Focuses on the conflict generated by modernization, industrialization, the search for colonies, and nationalism. Topics vary and course may be repeated for credit with different content. A research paper is required.
Prerequisites: HIST 250 or consent of instructor.
Offered: Occasionally.

HIST 468 | Holocaust Studies | 3 cr
Delves into various aspects of the Holocaust, such as literature of the Holocaust, film and the Holocaust, and literature of the Second Generation, etc. Cross-listed with: ENGL 468.
Prerequisites: ENGL 101 or consent of instructor.
Offered: Occasionally.

HIST 490 | Special Topics in History | 1-4 cr
Selected topics in history will be examined. Research paper required.
Prerequisites: HIST 250 or consent of instructor.
Offered: Occasionally.

HIST 494 | Internship in History | 1-6 cr
Provides opportunities for research and project-related work at university and non-university agencies and offices, such as the state and county historical societies and community organizations. A limited number of internships are available; thus the awarding of internships will be on a competitive basis. A maximum of three credits of internship work may be counted towards the major.
Prerequisites: HIST 250; 3.0 GPA in History, consent of instructor, department chair.
Offered: Fall, Spring, Summer.

HIST 495 | Senior Seminar | 3 cr

HIST 497 | History Capstone | 3 cr
Introduces historiography and important philosophical and ethical questions regarding the responsibilities of the historian. Provides students an opportunity to explore how students' skills are applicable to a range of professions.
Prerequisites: HIST 250.
Offered: Spring.

HIST 499 | Independent Study | 1-6 cr
Independent study is designed to enable students to pursue an interest or area in history not served be existing departmental offerings. Maximum of three credits may count towards the major.
Prerequisites: Completion of a minimum of 21 credits in History, including HIST 250; 3.3 GPA in History; consent of instructor, department chair.
Offered: Fall, Spring.

Human Resource Management (HRM)

HRM 343 | Human Resource Management | 3 cr
Covers the major functions of a human resource management system: acquiring, developing, rewarding, and maintaining employees; emphasizes effective, ethical, and legal HR practices. Community-based learning designation.
Prerequisites: Completion of a minimum of 54 credits.
Offered: Fall, Spring.
Meets: Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning

HRM 441 | Strategic Staffing | 3 cr
Delves into recruiting, selecting and retaining an organization's labor force in the context of the staffing environment (e.g., laws and regulations) and using necessary statistical measurements. Community-based learning designation.
Prerequisites: HRM 343.
Offered: Spring.
Meets: Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning

HRM 442 | Training and Performance Management | 3 cr
Examines managing employees to maximize job performance, including employee training and development as well as performance management. Applies a systems approach to design, implementation, and evaluation of the processes. SEG or CBL project component expected. Community-based learning designation.
Prerequisites: HRM 343, MGT 349.
Offered: Fall.
Meets: Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning

HRM 444 | Compensation and Benefits | 3 cr
Examines administration of direct and indirect compensation systems including policies, procedures, and legislation relating to individual, group, and organizational base pay and incentives. Addresses design, financing, and administration of benefit plans. Community-based learning designation.
Prerequisites: HRM 343.
Offered: Fall.
Meets: Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning

HRM 445 | Diversity and Inclusion in Organizations | 3 cr
Explores the application and implication of diversity to management activities. Includes issues related to discrimination, affirmative action, career development, socialization, and social change policies. Highlights historical, psychological, sociological, legal, and managerial viewpoints.
Prerequisites: HRM 343.
Offered: Spring.

HRM 490 | Special Topics in Human Resource Management | 1-3 cr
Selected topics in human resource management. Subject varies; see current course schedule.
Prerequisites: Dependent on subject matter; junior standing, business major or minor.
Offered: Occasionally.

HRM 494 | Internship | 1-3 cr
Designed to provide actual or quasi on-the-job learning experiences in which a student works with a single sponsoring organization in either the public or private sector under the supervision of a faculty member. Credit/no-credit grading basis.
Prerequisites: As provided in guidelines and policies available in Business Department; consent of instructor; department chair approval.
Offered: Fall, Spring, Summer.

HRM 499 | Independent Study | 1-3 cr
Designed to provide qualified students with an opportunity to conduct research projects in an appropriate area of human resource management under the supervision of a faculty member. Six hours credit maximum.
Prerequisites: Consent of instructor and department chair.
Offered: Fall, Spring, Summer.

Information Technology Management (ITM)

ITM 700 | Communication for IT Professionals | 3 cr
Focuses on developing organizational communication skills for IT professionals. Includes crucial conversations, evidence-based decision making, and change management strategies for organizational transformation. Emphasizes the development of organizational and interpersonal communication skills relating to cultural sensitivity, diversity, and ethical issues in the IT field.
Prerequisites: Admitted MS-ITM degree seeking students only or program advisor consent on space available basis.
Offered: Yearly.

ITM 705 | Leading the IT Function | 3 cr
Focuses on the application of management and leadership theories, students will explore their own personal assets and liabilities to become an effective leader and change agent in a complex adaptive system. Introduces strategic planning processes, as well as IT governance and ethical considerations.
Prerequisites: Admitted MS-ITM degree seeking students only or program advisor consent on space available basis.
Offered: Yearly.

ITM 710 | Finance for IT Managers | 3 cr
Frames financial decisions within general and project accounting principles. Includes pro forma financial statements, time value of money, cash flows and equivalence, depreciation, net present value, rate of return, and ratio analysis. Covers preparing budgets that prioritize projects within constraints, address uncertainty and intangibles, and integrate with project scheduling.
Prerequisites: Admitted MS-ITM degree seeking students only or program advisor consent on space available basis.
Offered: Yearly.

ITM 715 | Data Science | 3 cr
Addresses issues for developing, managing and supporting data-driven decision-making in the organization. Includes data analytics, data warehousing, machine learning, and artificial intelligence, as well as the ethical collection, use, and application of data.
Prerequisites: Admitted MS-ITM degree seeking students only or program advisor consent on space available basis.
Offered: Yearly.

ITM 720 | Cloud Computing and Enterprise Applications | 3 cr
Examines leveraging cloud services to streamline computing resources, deploy enterprise applications, improve user access and system reliability, and utilize advanced computing capabilities. Discusses implementation of innovative technologies. Examines services available, along with deployment strategies, evaluation criteria, economic justification, and manageability.
Prerequisites: Admitted MS-ITM degree seeking students only or program advisor consent on space available basis.
Offered: Yearly.

ITM 725 | Enterprise Security | 3 cr
Explores technical, administrative, and physical aspects of IT security. Investigates various threats within IT and fraud. Applies information classification to the design of information, network and physical security. Evaluates the business processes of risk, business continuity, audit, and the risk within software development.
Prerequisites: Admitted MS-ITM degree seeking students only or program advisor consent on space available basis.
Offered: Yearly.

ITM 730 | Agile and Traditional IT Project Management | 3 cr
Examines project management concepts as applied to IT projects; covers traditional PMBOK techniques such as project identification, selection, procurement, and cost/schedule preparation and monitoring. Introduces agile IT project management concepts including Scrum and Extreme Programming. Requires students to apply these concepts to group projects.
Prerequisites: Admitted MS-ITM degree seeking students only or program advisor consent on space available basis.
Offered: Yearly.

ITM 735 | Business Analysis and System Development | 3 cr
Focuses on the importance, role, and techniques of the business analysis function in the modern IT organization. Organized around the six knowledge areas and associated techniques of the Business Analysis Body of Knowledge (BABOK) specified by the International Institute of Business Analysis.
Prerequisites: Admitted MS-ITM degree seeking students only or program advisor consent on space available basis.
Offered: Yearly.

ITM 740 | IT Operations | 3 cr
Explores best practices and techniques for managing IT infrastructure and operational environments in support of the organization's strategic goals in the development and deployment of applications and services. Includes network infrastructure, servers and devices, computer operations, service management, facilities, help desk services, DevOps, process automation, and governance frameworks.
Prerequisites: Admitted MS-ITM degree seeking students only or program advisor consent on space available basis.
Offered: Yearly.

ITM 745 | IT Governance, Ethics, and Regulatory Compliance | 3 cr
This course examines best practices in IT governance to achieve regulatory compliance, optimize use of available resources, ensure trustworthiness of enterprise information, and support business strategies and objectives. Topics include: strategic alignment, IT service and control frameworks, portfolio management, IT risk management, and ethical issues in IT governance.
Prerequisites: Admitted MS-ITM degree seeking students only or program advisor consent on space available basis.
Offered: Yearly.

ITM 750 | Evaluation of Emerging Technologies | 3 cr
This seminar course researches, identifies and evaluates significant new trends, technologies and events influencing the global environment of information technology and systems. The course will evaluate future and disruptive technologies, strategies for successful implementation of innovative technologies, critical thinking, and ethics pertaining to its use.
Prerequisites: Admitted MS-ITM degree seeking students only or program advisor consent on space available basis.
Offered: Yearly.

ITM 754 | ITM Capstone Preparation | 1 cr
Students select their capstone project, create a plan, define deliverables, secure approval and complete setup of their development environment. Students review concepts necessary for completion of the capstone including Agile project management, systems analysis and communicating with technical and non-technical audiences. Additional topics may be included.
Prerequisites: Admitted MS-ITM degree seeking students only or program advisor consent on space available basis.
Offered: Yearly.

ITM 755 | ITM Capstone | 3 cr
Students complete the projects approved in the Capstone Preparation course. This course includes the management, development and delivery of an information technology project to a client or employer, including regular communication of status to both technical and non-technical audiences.
Prerequisites: Admitted MS-ITM degree seeking students only or program advisor consent on space available basis.
Offered: Yearly.

International Studies (INTS)

INTS 100 | Introduction to International Studies | 3 cr
Examines the international impact on the state, community and individual levels of human experience. Includes developing practical orientations toward the international experience, such as language and cultural appreciation, social and political tolerance, and environmental adaptation.
Prerequisites: None.
Meets: Social & Behavioral Science: INTS, Social & Behavioral Science: INTS, Social & Behavioral Science: INTS, Social & Behavioral Science: INTS, Social & Behavioral Science: INTS

INTS 103 | History and Cultures of Modern Asia | 3 cr
Examines the social, cultural, historical, religious, economic, and political aspects of life in modern Asia, including China, India, Japan, Southeast Asia, and their neighboring countries. Cross-listed with: HIST 103.
Prerequisites: None.
Offered: Fall.

INTS 110 | Introduction to American Culture | 3 cr
Explores cultural and communication patterns in American society, for international students who speak English as a second language.
Prerequisites: None.
Offered: Occasionally.

INTS 210 | Cultural Anthropology | 3 cr
Introduces cross-cultural analysis of social structures and cultural systems, as well as changes due to economic, political and cultural globalization. Cross-listed with: ANTH 200.
Prerequisites: None.
Offered: Fall.
Meets: Social & Behavioral Science: INTS, Social & Behavioral Science: INTS, Social & Behavioral Science: INTS, Social & Behavioral Science: INTS, Social & Behavioral Science: INTS

INTS 228 | Peoples of Southeast Asia | 3 cr
Introduces the peoples and culture of Southeast Asia, including the mainland and islands; focuses on cultures, history, socioeconomic conditions, and the everyday life of people. Cross-listed with: ANTH 228.
Prerequisites: ANTH 100 or GEOG 105 or INTS 100.
Offered: Spring.
Meets: Social & Behavioral Science: INTS, Social & Behavioral Science: INTS, Social & Behavioral Science: INTS, Social & Behavioral Science: INTS, Social & Behavioral Science: INTS

INTS 290 | Special Topics in International Studies | 1-3 cr
Subject matter is topical. Subject varies; see current course schedule.
Prerequisites: Consent of instructor.
Offered: Occasionally.

INTS 307 | Practicum: Global Skills in Culture and Language | 2 cr
Introduces students to a diversity of cultures and knowledge systems, focusing on cultural sensitivity needed to communicate, travel, and work across the world. Incorporates critical reflections on cross-cultural practices and practical solutions to global challenges.
Prerequisites: None.
Offered: Yearly.

INTS 308 | Practicum: Global Skills in Political and Economic Systems | 2 cr
Examines the practical impact of political and economic systems and institutions on the wealth and poverty of nations, as well as power and structural shifts. Includes economic development, international business, foreign investment and trade, debt and democracy.
Prerequisites: None.
Offered: Yearly.

INTS 390 | Special Topics in International Studies | 1-3 cr
Selected topics in international studies are examined. Subject varies; see current course schedule.
Prerequisites: Consent of Instructor.
Offered: Occasionally.

INTS 400 | Non UW-P Study Abroad | 0 cr
This course allows students to retain their good standing at UW-Parkside while they participate in non-UW-P academic study abroad programs. Graded Credit/No Credit.
Prerequisites: Enrollment in approved Study Abroad program; consent of International Studies Director.
Offered: Fall, Spring.

INTS 401 | Exchange Agreement Study Abroad | 0 cr
Provides a placeholder allowing students to retain their good standing at UW-Parkside while participation in an exchange agreement study abroad program. Graded Credit/No Credit.
Prerequisites: Enrollment in approved semester exchange agreement program; consent of Director.
Offered: Fall, Spring, Summer.

INTS 405 | Internship in International Education Services | 1-3 cr
The internship will provide an opportunity for students to apply their international education knowledge in an experiential learning environment to gain experience in the professional world in two areas of international education: International student Services and Study Abroad. Intended for students seeking an international experience in Higher Education or in other international education organizations. Consent of instructor and program director.
Prerequisites: Junior, major/minor in International Studies.
Offered: Spring.

INTS 490 | Special Topics in International Studies | 1-4 cr
Selected topics in international studies are examined. Subject varies; see current course schedule.
Prerequisites: Instructor consent.
Offered: Occasionally.

INTS 494 | Internship in International Studies | 1-3 cr
Enables a student's paid or unpaid employment in an international context to count towards their academic program, and gives the an opportunity to reflect on the connection between their academic learning and the workplace. Does not provide credit specifically toward the international studies major, but does count for credit toward overall degree requirements.
Prerequisites: Junior or senior standing; consent of program director.
Offered: Fall, Spring, Summer.

INTS 495 | Senior Seminar in International Studies | 3 cr
The senior seminar is the capstone course in the major and is required of all majors and minors. Students are expected to integrate the material studied in the major, and especially in their selected option. Students carry out an independent research project leading to a formal research paper and presentation.
Prerequisites: Completion of major or minor requirements or consent of instructor and program director.
Offered: Yearly.

INTS 499 | Independent Study | 1-4 cr
Available to qualified students under supervision of instructor. Topic must be mutually agreed upon between professor and student.
Prerequisites: Consent of instructor and program director.
Offered: Fall, Spring, Summer.

INTS 600 | Study Abroad Placeholder | 0 cr
Provides a placeholder allowing students to retain their course standing at UW-Parkside while participating in an approved study abroad program. Graded Credit/No Credit.
Prerequisites: Enrollment in approved Study Abroad program; consent of International Studies Director.
Offered: Fall, Spring, Summer.

INTS 601 | Exchange Agreement Study Abroad | 0 cr
Provides a placeholder allowing students to retain their course standing at UW-Parkside while participating in an exchange study abroad program. Graded Credit/No Credit. Consent of Director. Graded CR/NC.
Prerequisites: Enrollment in approved semester exchange agreement program.
Offered: Fall, Spring, Summer.

Italian (ITAL)

ITAL 103 | Introductory Italian I | 4 cr
Development of basic listening, speaking, reading, and writing skills in Italian.
Prerequisites: None.
Offered: Fall.

ITAL 104 | Introductory Italian II | 4 cr
Continued development of basic listening, speaking, reading, and writing skills in Italian.
Prerequisites: ITAL 103 or equivalent.
Offered: Spring.

ITAL 203 | Intermediate Italian I | 4 cr
Develops of intermediate level proficiency in listening, speaking, reading, and writing Italian. Frequency: Fall. Method: Traditional
Prerequisites: ITAL 104.
Offered: Fall.

ITAL 204 | Intermediate Italian II | 4 cr
Continued development of intermediate level proficiency in listening, speaking, reading, and writing Italian.
Prerequisites: ITAL 203.
Offered: Spring.

Kinesiology & Sport Performance (KSP)

KSP 100 | Introduction to Kinesiology and Sport Performance | 1 cr

Provides an overview of potential careers and professional aspects in the field of kinesiology and sport performance. Introduces key concepts concerning the anatomical, mechanical, physiological, neural, and psychological bases of human movement. Explores skills and abilities needed to successfully obtain and retain a position within kinesiology.
Prerequisites: None.
Offered: Yearly.

KSP 110 | Essentials of Human Anatomy and Physiology | 5 cr

Covers essential structures and functioning of the cells, organs, and systems of the human body. Requires lab.
Prerequisites: None.
Offered: Yearly.

KSP 190 | Special Topics in Kinesiology and Sport Performance | 3 cr

Examines selected topics in kinesiology and sport performance.
Prerequisites: Varies by topic.
Offered: Occasionally.

KSP 205 | Social and Philosophical Issues in Kinesiology | 3 cr

Introduces the student to the study of physical activity, physical education, sport, and athletics in historical and contemporary society. Emphasizes the justification for school-based physical education; consequent mission of physical education; and problems and challenges associated with physical education teaching programs. Explores philosophic questions regarding the nature of the human being, ethics, and meaning derived from physical activity, physical education, and sport participation.
Prerequisites: None.
Offered: Yearly.

KSP 290 | Special Topics in Kinesiology and Sport Performance | 1-3 cr

Examines topics in kinesiology and sport performance. May be repeated for credit with different topic.
Prerequisites: Varies by topic.
Offered: Occasionally.

KSP 295 | Practicum in Kinesiology and Sport Performance | 2 cr

Provides opportunity for students to apply current knowledge, theories, skills and research to the kinesiology and sport performance industry. Community-based learning designation.
Prerequisites: KSP 100, KSP 110; at least sophomore standing.
Offered: Yearly.
Meets: Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning

KSP 300 | Advanced Sport and Exercise Nutrition | 3 cr

Reviews macronutrients, micronutrients, water, the digestive process, and balanced nutrition for basic human physiological needs. Applies evidence-based nutrition strategies and recommendations to athletes of varying sports to maximize sport performance.
Prerequisites: HLTH 280.
Offered: Yearly.

KSP 306 | Motor Learning and Development | 3 cr

Explores issues pertinent to the analysis, teaching, and learning of motor skills. Emphasizes identifying qualities of the individual learner/performer in relation to environmental factors and teacher behaviors that influence the skill acquisition process. Examines the development of motor skills through our lifespan.
Prerequisites: At least sophomore standing.
Offered: Yearly.

KSP 310 | Measurement and Evaluation in Sport and Exercise | 3 cr

Examines the concepts of measurement and evaluation. Covers setting up and administration of assessments, data collection, data analysis and reporting, and applications relevant to assessment in the psychomotor, cognitive, and affective domains in sport and exercise. Two hours lecture, required lab.
Prerequisites: Completion of computational skills requirement.
Offered: Yearly.

KSP 320 | Sport and Exercise Psychology | 3 cr

Presents a theoretical overview of principles of sports, exercise, and rehabilitation psychology. Includes practical intervention skills,applicable in a wide variety of occupational situations.
Prerequisites: Junior or senior.
Offered: Fall, Spring.

KSP 325 | Exercise Leadership and Management | 3 cr

Explores theory and practice for leading and managing kinesiology programs. Covers planning and developing exercise leadership skills, facility oversight, programming, personnel issues, marketing, and evaluation aspects. Community-based learning designation.
Prerequisites: Junior/senior standing; declared KSP or AHS major.
Offered: Yearly.
Meets: Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning

KSP 330 | Sport and Exercise Biomechanics | 4 cr

Examines human movement from anatomical and mechanical perspectives. Includes fundamental biomechanical concepts, terminology, principles, and their application as they relate to sport and exercise. Three-hour lecture; required lab session.
Prerequisites: KSP 110 or BIOS 105 or BIOS 300; completion of computational skills requirement.
Offered: Fall, Spring.

KSP 340 | Sport and Exercise Physiology | 4 cr

Explores the physiological changes of the human body during and after exercise, and their implications for human performance. Three-hour lecture; required lab session.
Prerequisites: KSP 110 or BIOS 105 and BIOS 106 or BIOS 300 and BIOS 341; and completion of computational skills requirement.
Offered: Fall, Spring.

KSP 345 | Prevention and Care of Athletic Injuries | 3 cr

Addresses athlete health, injury prevention techniques, and injury management by introducing knowledge and skills to help provide a safe environment for athletes while practicing, competing, and recovering from injury. Incorporates CPR/AED certification component.
Prerequisites: HLTH 250.
Offered: Occasionally.

KSP 350 | Research Methods in Kinesiology and Sport Performance | 3 cr
Addresses the major aspects of performing research in the broad area of exercise science. Includes the scientific method, statistical analysis, research design, types of research and the publication process.
Prerequisites: KSP 310 or PSYC 250 or MATH 104.
Offered: Spring.

KSP 390 | Special Topics in Kinesiology and Sport Performance | 1-3 cr
Examines topics in kinesiology and sport performance.
Prerequisites: Varies by topic.
Offered: Occasionally.

KSP 410 | Fitness Assessment and Exercise Prescription | 3 cr
Provides the knowledge and skills to assess, analyze, and prescribe appropriate fitness and health behavior programs for a diverse population. Focuses on standards set forth by the American College of Sport Medicine. Community-based learning designation.
Prerequisites: KSP 330, KSP 340.
Offered: Yearly.
Meets: Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning

KSP 415 | Scientific Principles of Human Performance | 4 cr
Examines theoretical and applied aspects of human performance including physiology, biomechanics, nutrition, psychology, and training adaptions. Covers exercise technique, flexibility development, testing, resistance training program design, skill acquisition, periodization, plyometrics, aerobic and anaerobic conditioning, and facilities and risk management. Lab required.
Prerequisites: KSP 330, KSP 340.
Offered: Yearly.

KSP 420 | Advanced Sport Conditioning Techniques | 3 cr
Examines principles underlying effective exercise and sport conditioning techniques.
Prerequisites: KSP 415.
Offered: Yearly.

KSP 425 | Program Design for Athletic Development and Training | 3 cr
Provides opportunity to design and monitor training programs. Examines the principles underlying effective program design.
Prerequisites: KSP 415.
Offered: Yearly.

KSP 426 | Functional Anatomy for Human Performance | 3 cr
Explores the integration of the nervous, skeletal, and muscular systems with regard to applications in sport, exercise, and kinesiology.
Prerequisites: Junior/senior standing; accepted KSP major.
Offered: Yearly.

KSP 435 | Kinesiology and Sport for Special Populations | 3 cr
Presents guidelines for prescribing exercise for special populations including people with disabilities and chronic diseases.
Prerequisites: KSP 110 or BIOS 105, BIOS 106.
Offered: Yearly.

KSP 480 | Senior Seminar in Kinesiology and Sport Performance | 1 cr
Provides opportunity to examine and apply the concepts, skills, and issues of the profession and discipline of kinesiology and sport performance.
Prerequisites: Senior standing; accepted KSP major with a minimum GPA of 2.67 in major.
Offered: Yearly.

KSP 490 | Special Topics in Kinesiology and Sport Performance | 1-3 cr
Examines selected topics in kinesiology and sport performance.
Prerequisites: Varies by topic.
Offered: Occasionally.

KSP 494 | Internship | 1-3 cr
Provides opportunity for practical application of the methods and techniques in various kinesology fields under guidance of an appropriate faculty member. May be repeated for a maximum of six credits.
Prerequisites: Consent instructor and department chair.
Offered: Fall, Spring, Summer.

KSP 498 | Fieldwork in Kinesiology and Sport Performance | 1-3 cr
Provides opportunity for a supervised field-based experience. Requires placement approval by KSP faculty member. Must be completed in student's last year of course work.
Prerequisites: Accepted KSP major with a minimum major GPA of 2.67.
Offered: Fall, Spring, Summer.

KSP 499 | Independent Study | 1-5 cr
Provides opportunity to conduct independent work under KSP faculty supervision.
Prerequisites: Consent of instructor and department chair.
Offered: Fall, Spring, Summer.

Liberal Studies (LBST)

LBST 100 | The Life Expressive: Introduction to the Arts and Humanities | 3 cr
Explores the nature, history, overarching questions, and notable figures in academic disciplines within the humanities and the arts, such as communication; English and modern languages; ethnic studies; music; theatre arts; and women's, gender, and sexuality studies. Includes a focus on critical thinking and college success.
Prerequisites: None.
Offered: Fall.
Meets: Humanities and the Arts: LBST, Humanities and the Arts: LBST, Humanities and the Arts: LBST, Humanities and the Arts: LBST, Humanities and the Arts: LBST

LBST 101 | Beauty, Bewilderment, and Love: The Humanities through 1500 | 3 cr
Discusses the human condition through the expressions of world cultures, from prehistory to 1500. Explores the West, and also a variety of non-Western cultures.
Prerequisites: None.
Offered: Fall, Spring.
Meets: Humanities and the Arts: LBST, Humanities and the Arts: LBST, Humanities and the Arts: LBST, Humanities and the Arts: LBST, Humanities and the Arts: LBST

LBST 102 | Independence and Mystery: The Humanities from 1500 to the Present | 3 cr

Offers thematic and comparative approaches to the history of world cultures, from 1500 to the present. Explores the West and a variety of non-Western cultures.
Prerequisites: None.
Offered: Spring.
Meets: Humanities and the Arts: LBST, Humanities and the Arts: LBST, Humanities and the Arts: LBST, Humanities and the Arts: LBST, Humanities and the Arts: LBST

LBST 103 | Understanding Social Justice | 3 cr

Examines social inequalities and injustices that influence politics, economy, education, and self image through the eyes and voices of multiple marginalized persons/groups.
Prerequisites: None.
Offered: Fall, Spring.
Meets: Humanities and the Arts: LBST, Ethnic Diversity, Humanities and the Arts: LBST, Ethnic Diversity, Humanities and the Arts: LBST, Ethnic Diversity, Humanities and the Arts: LBST, Ethnic Diversity, Humanities and the Arts: LBST, Ethnic Diversity

LBST 168 | Student Leadership | 3 cr

Provides practical opportunities to learn and grow in preparation of your employment with the office of admissions and new student services. Consent of instructor.
Prerequisites: Acceptance to office of admissions and new student services orientation program.
Offered: Spring.

LBST 210 | Introduction to Leadership | 3 cr

Introduces principles of leadership from an interdisciplinary theoretical and practical perspective. Introduces skills such as self-assessment, communication strategies, understanding group dynamics and working in coalitions, setting goals while remaining flexible, and managing conflict.
Prerequisites: None.
Offered: Fall, Spring.
Meets: Social & Behavioral Science: ISTD, Social & Behavioral Science: ISTD, Social & Behavioral Science: ISTD, Social & Behavioral Science: ISTD, Social & Behavioral Science: ISTD

LBST 290 | Special Topics in Leadership and Personalized Studies | 1-3 cr

Introduces special topics in in leadership and personalized studies. May be repeated for credit with different topic.
Prerequisites: None.
Offered: Occasionally.

LBST 300 | Identity and Influence: The American Experience | 3 cr

Investigates philosophies, methods, and issues within the humanities. Provides foundational understandings of the marginalizations that have occurred in this country since its (European) establishment.
Prerequisites: LBST 103 or consent of instructor.
Offered: Fall, Spring.
Meets: Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity

LBST 367 | Latinos(as) and the Law | 3 cr

Introduces and examines experiences Latinos(as) encounter with and within the U.S. criminal justice system, as well as related international and transnational issues. Uses a range of theoretical frameworks, including socio-ecological, political and psychological. Cross-listed with: CRMJ 367/POLS 367.
Prerequisites: CRMJ 101 or POLS 100; or consent of instructor.
Offered: Occasionally.
Meets: Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity

LBST 390 | Special Topics in Leadership and Personalized Studies | 1-3 cr

Examines intermediate-level special topics in leadership and personalized studies. May be repeated for credit with different topic.
Prerequisites: Consent of instructor.
Offered: Occasionally.

LBST 490 | Special Topics in Leadership and Personalized Studies | 1-3 cr

Examines advanced-level special topics in leadership and personalized studies. May repeat with different topic.
Prerequisites: Junior standing or consent of instructor.
Offered: Occasionally.

LBST 492 | Practicum in Leadership | 3 cr

Supports students as they complete the capstone project for the leadership certificate.
Prerequisites: LBST 210 and two other leadership courses or consent of instructor.
Offered: Fall, Spring.

LBST 494 | Internship in Leadership and Personalized Studies | 1-4 cr

Provides opportunity for directed field experience, focusing on applying scholarly concepts to the workplace. Specific arrangements to be made in consultation with advisor. Maximum of 6 credits may be applied to the major.
Prerequisites: Leadership and Personalized Studies major, junior standing; consent of instructor and department chair.
Offered: Fall, Spring, Summer.

LBST 498 | Senior Seminar Project | 3 cr

Enables students to apply the knowledge and competencies of Liberal Studies to a senior project.
Prerequisites: Liberal studies major, senior standing and consent of instructor.
Offered: Fall, Spring.

LBST 499 | Independent Study | 1-3 cr

Individual study of selected topics in Liberal Studies.
Prerequisites: Liberal studies major, junior standing, consent of instructor and department chair.
Offered: Fall, Spring, Summer.

MA Applied Professional Studies (MAPS)

MAPS 507 | Survey Methods | 3 cr

Explores survey research including data collection and data analysis. Multi-career cross-listing: SOCA 307. Not available for students with credit in: SOCA 307.
Prerequisites: None.
Offered: Occasionally.

MAPS 512 | Global Warming Policy and Governance | 3 cr
Examines and evaluates greenhouse gas mitigation and adaptation policies that a variety of national and sub-national governments are implementing. Not available for students with credit in: POLS 312. Multi-career cross-listing: POLS 312.
Prerequisites: None.
Offered: Spring (odd years).

MAPS 517 | Strategic Decision Making | 3 cr
Examines decision making from both a rational and cognitive-bureaucratic perspective. Investigates the universal applications of theoretical strategic thinking, integrates tactical and strategic decision making, and applies creative and critical thinking in strategic formulation and implementation. Explores case studies of military, political and corporate strategies. Not open to those with credit in POLS 217. Multi-career cross-listing: POLS 217.
Prerequisites: None.
Offered: Spring (even years).

MAPS 523 | Institutional Racism in America | 3 cr
Examines racism within various institutions such as public government bodies, private business, and universities. Outlines political, social, ecological, and economic effects of racism. Not open to those with credit in SOCA 323. Multi-career cross-listing: SOCA 323.
Prerequisites: None.
Offered: Fall, Spring.

MAPS 584 | Modeling Landscape Ecology | 3 cr
Examines landscape ecology from the perspective of its close alignment with the understanding of scale, the causes of landscape pattern, and the interactions of spatial pattern with ecological processes. Includes metric tools and spatial model techniques to explain real world phenomena. Not open to those with credit in GEOG 384. Multi-career cross-listing: GEOG 384.
Prerequisites: None.
Offered: Occasionally.

MAPS 606 | Advanced Program Evaluation | 3 cr
Examines the procedures used to plan and evaluate programs and their operations.
Prerequisites: None.
Offered: Summer.

MAPS 634 | Ethics and Data Technology | 3 cr
Distinguishes the emerging moral conflicts with data collection and presentation, identifies the relevant ethical features, and develops strategies and policies for avoiding these conflicts.
Prerequisites: None.
Offered: Occasionally.

MAPS 640 | Smart Cities & Communities | 3 cr
Explores how advances in information communication technologies affect the built environment at various scales to understand the role of multiple actors working at the intersection of technology and urbanism and to determine the impact on community growth and resilience.
Prerequisites: None.
Offered: Occasionally.

MAPS 660 | Introduction to GIS Analysis | 3 cr
Explores spatial analysis using Geographic Information Systems (GIS) technology including data acquisition, integration, and editing. Applies GIS technologies to environmental management and urban planning. Not open to those with credit in GEOG 460. Multi-career cross-listing: GEOG 460.
Prerequisites: None.
Offered: Occasionally.

MAPS 700 | Formal Organization | 3 cr
Examines fundamental issues concerning formal organization and its impact on individuals and society.
Prerequisites: None.
Offered: Fall.

MAPS 701 | Applied Research For Professionals | 3 cr
Articulates the validity and complexity of data as illustrated in research.
Prerequisites: None.
Offered: Fall.

MAPS 702 | Professional Ethics | 3 cr
Identifies ethical and moral problems and formulates strategies to avoid making ethically questionable choices.
Prerequisites: None.
Offered: Spring.

MAPS 703 | Professional Communication | 3 cr
Examines communication or communication in a global workplace emphasizing intercultural and multi-generational differences. Cross-listed with: COMM 703.
Prerequisites: Consent of instructor.
Offered: Yearly.

MAPS 705 | Practicum | 3 cr
Provides an opportunity to use coursework knowledge in an applied setting based on specialization area. Requires 100 hours of a supervised project.
Prerequisites: Completed 18 credits of MAPS coursework.
Offered: Fall, Spring, Summer.

MAPS 710 | The Global City | 3 cr
Examines urbanism and the global city under present-day conditions, including modernity, late-capitalism and globalization.
Prerequisites: None.
Offered: Fall.

MAPS 720 | Foundations of Public Service | 3 cr
Investigates management, policy, urban studies and leadership in the public sector.
Prerequisites: None.
Offered: Spring (odd years).

MAPS 721 | Public Policy | 3 cr
Examines how political coalitions shape policy outcomes, the influence of institutions on policy design, and the evaluation of public policy.
Prerequisites: None.
Offered: Spring (even years).

MAPS 722 | Social Justice and Public Service | 3 cr
Examines environmental injustice, poverty, homelessness, and gender, housing, and educational inequalities.
Prerequisites: None.
Offered: Spring.

MAPS 729 | Special Topics in Public Service | 3 cr
Provides an in-depth study of new and/or special-interest subject areas within the discipline. Course may be repeated with a different topic for a maximum of 6 credits.
Prerequisites: None.
Offered: Occasionally.

MAPS 730 | Data Visualization Concepts | 3 cr
Explores data visualization including opportunities for critiquing representations of data, techniques used in analysis packages and best practices for data visualization to different audiences.
Prerequisites: Consent of instructor.
Offered: Spring (odd years).

MAPS 731 | Data Visualization and Communication: Tableau | 1 cr
Create and distributes interactive and shareable visual analytics using Tableau.
Prerequisites: Consent of instructor.
Offered: Summer.

MAPS 732 | The Essentials of R For Professionals | 1 cr
Analyzes and describes generic programming language concepts as they are implemented in R. Creates plots, tables and charts to visualize analysis results.
Prerequisites: Consent of instructor.
Offered: Summer.

MAPS 733 | The Essentials of SPSS for Professionals | 1 cr
Uses SPSS to summarize and display large amounts information using visual analytics.
Prerequisites: Consent of instructor.
Offered: Summer.

MAPS 739 | Special Topics in Data Visualization & Interpretation: | 3 cr
Provides opportunity for an in-depth study of new and/or special-interest subject areas within the discipline. Course may repeated with a different topic for a maximum of 6 credits.
Prerequisites: Consent of instructor.
Offered: Occasionally.

MAPS 741 | Smart Policy-Making | 3 cr
Delves into identifying and building new smart skills that are most effective in policy-making and policy implementation to create urban environments more livable, equitable, and efficient.
Prerequisites: None.
Offered: Fall.

MAPS 742 | Public Private Partnerships | 3 cr
Examines how governments partner with for-profit and non-profit organizations to shape public policy, redefine traditional methods of public administration, and solve some of the world's most intractable problems.
Prerequisites: None.
Offered: Summer.

MAPS 743 | Civic Technology | 3 cr
Explores technology that enables greater participation in government or otherwise assists government in delivering citizen services and strengthening ties with the public.
Prerequisites: None.
Offered: Summer.

MAPS 744 | Human Machine Interface | 3 cr
Explores how humans and machines engage in effective decision-making processes by aligning values, ethics, and shared cognition and how interface design affects social and cultural factors.
Prerequisites: None.
Offered: Spring.

MAPS 769 | Special Topics in Content Expertise for Professional Educators: | 3 cr
Provides opportunity for an in-depth study of new and/or special-interest subject areas within the discipline. Course may be repeated for a maximum of nine credits with a different topic.
Prerequisites: Consent of instructor.
Offered: Summer.

MAPS 770 | Exploring Place-Based Education | 3 cr
Explores place-based education through the use of local, regional, and/or national communities and the environment as the basis for teaching and learning. Course may be repeated with a different topic for a maximum of 9 credits. Field Trips.
Prerequisites: Consent of instructor.
Offered: Occasionally.

MAPS 799 | Independent Study | 1-3 cr
Provides an opportunity to work on an independent research study or project under the supervision of a faculty member.
Prerequisites: Consent of instructor and department chair.
Offered: Fall, Spring, Summer.

Management (MGT)

MGT 349 | Organizational Behavior | 3 cr
Introduces individual and group behavior in organizations and to organizational theory. Includes motivation, communication, stress, leadership decision-making, organizational processes and structures, and interactions between organizations and external environments.
Prerequisites: Completion of a minimum of 54 credits.
Offered: Fall, Spring.

MGT 446 | Global Management | 3 cr
Explores global challenges and potential solutions for businesses and other organizations with international operations such as cross-cultural approaches and strategies to effectively manage workers in different countries and regions of the world. Includes in-depth study of global management skills, the impact of advancing technology, complex workplace changes, economic transformations, different cultural contexts, the world economy, and global marketplace.
Prerequisites: Completion of a minimum of 54 credits.
Offered: Fall.

MGT 490 | Special Topics in Management | 1-3 cr
Selected topics in management. Subject varies; see current course schedule.
Prerequisites: Dependent on subject.
Offered: Occasionally.

MGT 494 | Internship | 1-3 cr
Designed to provide actual or quasi on-the-job learning experiences in which a student works with a single sponsoring organization in either the public or private sector under the supervision of a faculty member. Credit/no-credit grading basis.
Prerequisites: As provided in guidelines and policies available in Business Department; consent of instructor; department chair approval.
Offered: Fall, Spring, Summer.

MGT 499 | Independent Study | 1-3 cr
Designed to provide qualified students with an opportunity to conduct research projects in an appropriate area of management under the supervision of a faculty member. Six hours credit maximum.
Prerequisites: As provided in guidelines and policies available in Business Department; consent of instructor; department chair approval.
Offered: Fall, Spring, Summer.

Management Information Systems (MIS)

MIS 215 | Data Visualization and Analytics | 3 cr
Explores data visualization and analytics using data sets from applications ranging from social sciences and business to natural sciences and healthcare. Introduces multiple tools for data visualization and analytics.
Prerequisites: Sophomore standing.
Offered: Spring.

MIS 220 | Information Technology Foundations | 3 cr
Covers foundations in computer software, hardware, business applications, projects, and careers. Introduces project management and web page development including markup languages and style sheets.
Prerequisites: MATH 104 or MATH 111.
Offered: Occasionally.

MIS 221 | Business Programming I | 3 cr
Provides conceptual and practice-oriented approaches to defining a business problem, designing and testing solution logic, implementing and coding the logic through sound structured programming techniques. Uses the Python programming language to develop programs that are robust and easy to maintain.
Prerequisites: MATH 104 or MATH 111.
Offered: Spring.
Meets: Natural Science:MIS, Natural Science:MIS, Natural Science:MIS, Natural Science:MIS, Natural Science:MIS

MIS 290 | Special Topics in Management Information Systems | 3 cr
Selected topics in management information systems. Subject matter varies.
Prerequisites: Dependent on subject matter.
Offered: Occasionally.

MIS 320 | Management Information Systems | 3 cr
Examines the computer as a problem-solving tool, as part of data processing systems, MIS and decision support systems; information systems planning and development; explores database management, networking and web technologies; project management.
Prerequisites: ACCT 201; completion of a minimum of 54 credits; business major/minor.
Offered: Fall, Spring.

MIS 322 | Business Programming II | 3 cr
Introduces object-oriented programming; covers the basics of creating classes, encapsulation, constructors, error handling, polymorphism, and inheritance; writing programs using classes and relational databases. This course may be offered online.
Prerequisites: MIS 221.
Offered: Fall.

MIS 327 | Cloud Computing in Business | 3 cr
Introduces fundamental principles of computer networks, hardware, facilities, and related equipment/processes used to support IT services. Covers multiple cloud computing technology platforms for business applications.
Prerequisites: MATH 104 or MATH 111; completion of a minimum of 60 credits; business major/minor.
Offered: Fall.

MIS 328 | Database Management Systems | 3 cr
Investigates data modeling techniques including object-oriented modeling, database systems concepts, and use of structured query language for information processing, client/server architecture, distributed databases. Includes hands-on exercises with different database platforms.
Prerequisites: MIS 221; completion of a minimum of 60 credits, business major/minor.
Offered: Fall.

MIS 422 | Internet Programming | 3 cr
Explores web-based application development using Active Server Pages and web services, database connectivity, graphical user interfaces, event-driven software, and the development of server-side programs. Not open to students with credit in CIS 626. Multi-career cross-listing: CIS 626.
Prerequisites: MIS 320, 322.
Offered: Occasionally.

MIS 424 | Advanced Business Data Communications | 3 cr
Explores fundamentals of transmission protocols and network services; setting up and configuring network protocols, routing, security, and networking services such as name resolution and dynamic addressing. Multi-career cross-listing: CIS 624.
Prerequisites: MIS 327; business major/minor.
Offered: Occasionally.

MIS 425 | Systems Analysis and Design | 3 cr
Examines agile methodologies, system development using the life cycle, rapid application development, prototyping, software acquisition, structured and object-oriented techniques and project management. Requires use of current software packages for analysis and design. Multi-career cross-listing: CIS 625.
Prerequisites: MIS 328; PMGT 341 or concurrent registration; business major/minor.
Offered: Spring.
Meets: Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning

MIS 428 | IS Planning and Project Management | 3 cr
Examines information systems (IS), IS projects and information technology (IT) from the perspective of IT management and upper management. Exposes students to common IS used in organizations.
Prerequisites: MIS 425 or concurrent registration; completion of minimum 54 credits; business major/minor.
Offered: Occasionally.

MIS 431 | Advanced Data Analytics | 3 cr
Covers advanced data analytics programming techniques such as knn, neural networks, decision trees, and random forests using programming techniques in R and Python.
Prerequisites: MIS 215, MIS 221, QM 310.
Offered: Spring.

MIS 490 | Special Topics in Management Information Systems | 1-3 cr
Selected topics in management information systems. Subject varies; see current course schedule.
Prerequisites: Dependent on subject matter.
Offered: Occasionally.

MIS 494 | Internship | 1-3 cr
Designed to provide actual or quasi on-the-job learning experiences in which a student works with a single sponsoring organization in either the public or private sector under the supervision of a faculty member. Credit/no-credit grading basis.
Prerequisites: As provided in guidelines and policies available in Business Department; consent of instructor; department chair approval.
Offered: Fall, Spring, Summer.

MIS 499 | Independent Study | 1-3 cr
Designed to provide qualified students with an opportunity to conduct research projects in an appropriate area of management information systems under the supervision of a faculty member. Six hours credit maximum.
Prerequisites: As provided in guidelines and policies available in Business Department; consent of instructor; department chair approval.
Offered: Fall, Spring, Summer.

Marketing (MKT)

MKT 350 | Marketing Principles | 3 cr
Introduces the general marketing process, which is involved in the distribution and exchange of goods and services. Surveys product, pricing, promotion, distribution, and buyer behavior variables within the context of market planning.
Prerequisites: ECON 120; completion of a minimum of 54 credits, business major/minor.
Offered: Fall, Spring.

MKT 353 | Internet Marketing | 3 cr
Emphasizes an understanding of digital marketing, social media, internet marketing, consumer behavior, web analytics, search engine optimization, and advertising and creativity strategy.
Prerequisites: MKT 350.
Offered: Occasionally.

MKT 354 | Marketing Research | 3 cr
Examines scientific procedures applicable to marketing research, including methodological considerations of defining information needs, determining research design, collecting/analyzing data, and preparing reports. Community-based learning designation.
Prerequisites: MKT 350, QM 310; business major/minor.
Offered: Fall.
Meets: Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning

MKT 355 | Buyer Behavior | 3 cr
Examines theoretical and applied research and concepts in the buying decision processes in households, businesses, nonprofit and government organizations as these relate to development, implementation, and assessments of marketing strategies. Covers contributions from social and behavioral sciences as well as marketing.
Prerequisites: MKT 350; business major/minor.
Offered: Spring.

MKT 356 | Global Marketing | 3 cr
Examines managing the marketing function in the global context, including increasingly competitive international market dynamics and environmental factors.
Prerequisites: MKT 350.
Offered: Occasionally.

MKT 357 | Multicultural Marketing | 3 cr
Examines recent research and best practices in marketing to various ethnic and sexual orientation groups, examining both the largest "traditional" ethnic segments (Asian-American, African-American, and Hispanic-American) as well as the LGBTQ market and "multi-cultural market" in general to prepare students for marketing challenges in an increasingly dynamic market with rapidly changing tastes.
Prerequisites: MKT 350.
Offered: Occasionally.
Meets: Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity

MKT 358 | Promotions Management | 3 cr
Analyzes management of the firm's promotional mix, including techniques and strategies in the use of advertising, personal selling, sales promotion, and public relations. Community-based learning designation.
Prerequisites: MKT 350; completion of a minimum of 54 credits, business major/minor.
Offered: Spring.
Meets: Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning

MKT 450 | Social Media Marketing | 3 cr
Examines the various social media channels available to marketers, learning how to build social marketing strategies, and practicing how to track their effectiveness. Covers relevant digital marketing aspects more broadly, including emerging electronic commerce and mobile marketing topics.
Prerequisites: MKT 350.
Offered: Spring.

MKT 452 | Product Management | 3 cr
Explores a systematic approach to product planning, product development, and product management over time; examines appropriate strategies for product review and monitoring via case analysis.
Prerequisites: MKT 350.
Offered: Occasionally.

MKT 453 | Advanced Digital and Social Media Marketing | 3 cr
Develops advanced skills related to social media optimization, email marketing, content marketing, data and website analytics, paid ad optimization strategies, online reputation management, and digital marketing automation.
Prerequisites: MKT 350.
Offered: Fall.

MKT 455 | Marketing Management | 3 cr
Examines marketing strategies and the strategic planning process in practical business situations.
Prerequisites: MKT 350, 354, and 355.
Offered: Fall.

MKT 458 | Personal Selling | 3 cr
Examines personal selling as a major function within the marketing and promotional mix of a firm.
Prerequisites: MKT 350; completion of a minimum of 54 credits, business major/minor.
Offered: Fall.

MKT 467 | Selling of Financial Services | 3 cr
Focuses on how financial institutions design and market their services and products through the personal selling function.
Prerequisites: MKT 458.
Offered: Spring.

MKT 469 | Advanced Personal Selling | 3 cr
Examines concepts of strategic account management, customer relationship management, consultative selling, and customer problem diagnosis in a variety of situations.
Prerequisites: MKT 458.
Offered: Spring.

MKT 490 | Special Topics in Marketing | 1-3 cr
Selected topics in marketing. Subject varies; see current course schedule. Prerequistie: Dependent on subject matter.
Offered: Occasionally.

MKT 494 | Internship | 1-3 cr
Encourages students to apply theories learned in Marketing courses to on-the-job learning solutions. Student will work with an employer organization under a direct supervisor with faculty oversight. Grade is based on reported satisfaction of direct supervisor with work deliverables. Credit/no-credit grading basis.
Prerequisites: MKT 350, MKT 354 and MKT 355; and consent of instructor and department chair approval.
Offered: Occasionally.

MKT 499 | Independent Study | 1-3 cr
Designed to provide qualified students with an opportunity to conduct a research project in an appropriate area of marketing under the supervision of a faculty member.
Prerequisites: MKT 350, MKT 354 and MKT 355; and consent of instructor and department chair approval.
Offered: Occasionally.

Master in Business Administration (MBA)

MBA 502 | Accounting and Finance Fundamentals For Business | 2 cr
Introduces financial and managerial accounting principles and tools used in managing businesses.
Prerequisites: Admission to MBA plan required; or consent of program director.
Offered: Fall, Spring, Summer.

MBA 512 | Foundations in Statistics and Economics | 2 cr
Introduces descriptive statistics, probability and expectations, theoretical distributions, sampling distributions, estimation, and hypothesis testing. Focuses on three major macroeconomic variables (GDP, inflation and unemployment) and analysis of both fiscal and monetary policies.
Prerequisites: Admission to MBA plan required; or consent of program director.
Offered: Fall, Spring, Summer.

MBA 700 | Creative and Innovative Management | 2 cr
Focuses on challenges and opportunities associated with being an effective, creative, and innovative manager in the increasingly complex, disruptive, and competitive workplace.
Prerequisites: Admission to MBA program required; or consent of program director.
Offered: Fall, Spring, Summer.

MBA 702 | Managerial Accounting | 2 cr
Delves into the role of accounting in the successful management of business enterprises; identification of relevant cost and revenue information for managerial decisions; application of analytical reasoning and formal models to various business problems.
Prerequisites: Admission to MBA plan required; or consent of program director.
Offered: Fall, Spring, Summer.

MBA 715 | Advanced Operations Management | 2 cr
Reinforces and explores in detail the concepts and techniques of modern operations management. Uses case studies, simulation, and real life business issues to examine new and emerging trends.
Prerequisites: Admission to MBA plan required; or consent of program director.
Offered: Fall, Spring, Summer.

MBA 716 | Project Management | 2 cr
Explores the basics of project planning and control, PERT/CRM, work breakdown structure, cost control, matrix organization, resource scheduling and leveling, and outsourcing; introduces project management software.
Prerequisites: Admission to MBA plan required; or consent of program director.
Offered: Fall, Spring, Summer.

MBA 718 | Global Supply Chain Management | 2 cr
Covers basic terminologies, concepts, and state-of-the-art models that are involved in the design, control, and management of supply chain systems. Includes topics such as network planning, inventory management and risk pooling, strategic alliances, ethics, logistics, and sustainability.
Prerequisites: Admission to MBA plan required; or consent of program director.
Offered: Fall, Summer.

MBA 720 | Information Technology for Business Decision Making | 2 cr
Introduces various technologies for business decision making. Includes decision support systems, technologies for achieving operational excellence, enterprise systems, customer relationship management systems, business intelligence systems, data mining, strategic decision making based on data, forecasting.
Prerequisites: Admission to MBA plan required; or consent of program director.
Offered: Fall, Spring, Summer.

MBA 724 | Website Development | 2 cr
Examines how organizations use IT resources to implement web strategies; analyzes and assesses the IT infrastructure used in industries with regard to the organization's IT design and development of basic web pages.
Prerequisites: Admission to MBA Plan required; or consent of program director.
Offered: Occasionally.

MBA 725 | E-Commerce | 2 cr
Examines E-commerce in general. Covers e-commerce technology, developing an e-commerce architecture, business-to-consumer e-commerce, planning for e-commerce, and social implications.
Prerequisites: Admission to MBA Plan required; or consent of program director.
Offered: Occasionally.

MBA 726 | Globalization and Technology | 2 cr
Explores the issues related to international information systems and reviews the possible solutions that lead to successful international applications.
Prerequisites: Admission to MBA Plan required; or consent of program director.
Offered: Occasionally.

MBA 728 | Database Systems Development | 2 cr
Covers database querying, design, creation, developing applications and reports.
Prerequisites: Admission to MBA program required; or consent of program director.
Offered: Occasionally.

MBA 729 | Technologies For Data Analytics | 2 cr
Introduces technologies for data analytics. Includes database technologies and programming for data analytics. Admission to MBA plan required; or consent of program director.
Prerequisites: MBA 720.
Offered: Fall, Spring, Summer.

MBA 730 | Financial Technology and Innovation | 2 cr
Explores various changes in financial technology: financial service to Robo-advising, the banking industry to peer-to-peer lending, digital payments, the capital market to crowdfunding, Initial Coin Offerings (ICO), investments to cryptocurrency, NFT, and risk management to InsurTech.
Prerequisites: Admission to MBA or MBAO plan required; or consent of program director.
Offered: Yearly.

MBA 732 | Corporate Financial Management | 2 cr
Examines the theory and practice of corporate finance; fundamental ideas such as the time value of money and its role in valuation. Applies techniques to major decision areas that face financial managers.
Prerequisites: Admission to MBA plan required; or consent of program director.
Offered: Fall, Spring, Summer.

MBA 733 | Investments | 2 cr
Explores financial investments, theoretical and applied valuation techniques, and modern investment portfolio theory.
Prerequisites: Admission to MBA plan required; or consent of program director.
Offered: Fall, Spring.

MBA 735 | International Financial Management | 2 cr
Discusses the principles of international finance and foreign exchange risk management for multinational corporations.
Prerequisites: Admission to MBA plan required; or consent of program director.
Offered: Fall, Spring.

MBA 738 | Investment Portfolio Management | 2 cr
Deals with the theory and practice of evaluating investments with an emphasis on developing skills for appraising the value of equities and fixed-income securities. A comprehensive internet financial markets trading simulation provides experience in the theory and practice of securities trading and portfolio management.
Prerequisites: MBA 733.
Offered: Occasionally.

MBA 739 | Financial Institution Management | 2 cr
Examines the structure and operation of financial institutions including commercial banks, thrifts, credit unions, insurance companies, security firms and investment banks, finance companies, mutual funds, and pension funds. Covers the techniques used to analyze and manage risks of financial institutions.
Prerequisites: Admission to MBA or MBAO plan required; or consent of program director.
Offered: Fall, Summer.

MBA 741 | Contemporary Challenges in Managing Organizations | 2 cr
Examines traditional theories and contemporary managerial perspectives to optimize organizational effectiveness. Includes leadership, motivation and performance, decision making and empowerment, organization climate, culture and change, individual human processes, and overall global management.
Prerequisites: Admission to MBA plan required; or consent of program director.
Offered: Fall, Spring, Summer.

MBA 742 | Leadership: Theory, Application, and Skill Development | 2 cr
Focuses on the demands of organizational leadership. Examines theories, strategies, and approaches to leadership including the effect of globalization and the role of ethics on leadership.
Prerequisites: Admission to MBA plan required; or consent of program director.
Offered: Fall, Spring, Summer.

MBA 743 | Emotional Intelligence | 2 cr
Explores theory and science behind emotional intelligence, the ability to recognize one's own feelings, and those of others to manage emotions and relationships. Examines application of the component emotional intelligence competencies vital to managing self and others in order to create effective performance and success in the workplace.
Prerequisites: Admission to MBA Plan required; or consent of program director.
Offered: Fall, Spring.

MBA 744 | Management Techniques | 2 cr
Delves into improving management skills, including stress management, oral and written communication, team building, leadership, motivating and empowering others, and conflict management.
Prerequisites: Admission to MBA Plan required; or consent of program director.
Offered: Occasionally.

MBA 745 | Resilience in Organizations | 2 cr
The ability to remain positive under challenging conditions and emerge strengthened is a function of an organization's culture, as well as an employee's individual character. Strategies for reducing risk, increasing protective factors and enhancing coping, with an emphasis of identifying and supporting strengths.
Prerequisites: MBA 541.
Offered: Occasionally.

MBA 746 | Advanced Global Management | 2 cr
Focuses on managing and coordinating diverse workers across national boundaries using case studies and current managerial dilemmas in different cultures.
Prerequisites: Admission to MBA plan required; or consent of program director.
Offered: Fall, Spring, Summer.

MBA 748 | New Venture Formation | 2 cr
Explores the process by which entrepreneurs recognize opportunities, plan, and launch new businesses. Includes extensive casework and the development of a startup business plan as an illustration of principles learned.
Prerequisites: Admission to MBA Plan required; or consent of program director.
Offered: Occasionally.

MBA 749 | Seminar On Executive Management | 2 cr
Explores current challenges of executive management and leadership in complex organizations. Topics vary depending on executive level manager teaching the class. May be repeated for credit with approval of MBA Director.
Prerequisites: Admission to MBA Plan required; or consent of program director.
Offered: Occasionally.

MBA 750 | Global Marketing Management | 2 cr
Examines management techniques in the global context, including increasingly competitive international market dynamics and environmental factors.
Prerequisites: Admission to MBA plan required; or consent of program director.
Offered: Fall, Summer.

MBA 752 | Marketing Management | 2 cr
Utilizes case studies to hone analytical and decision making skills for marketing. Focuses on the various kinds of problems in marketing that the modern decision maker must resolve.
Prerequisites: Admission to MBA plan required; or consent of program director.
Offered: Fall, Spring, Summer.

MBA 753 | Integrated Marketing Communications | 2 cr
Reviews aspects of advertising, promotions, and personal selling from the perspective of market management.
Prerequisites: Admission to MBA plan required; or consent of program director.
Offered: Fall, Spring.

MBA 754 | Online Market Research | 2 cr
Provides opportunity to apply multidisciplinary approach to research a product and market segment of interest. Develops skills in finding, assessing, and using online marketing information.
Prerequisites: Admission to MBA Plan required; or consent of program director.
Offered: Occasionally.

MBA 756 | Buyer Behavior | 2 cr
Covers theoretical and applied research and concepts in buying decision processes pertinent to individuals, households, businesses, and other institutions. Includes discussions relating to development, implementation, and evaluation of marketing strategies and implications for e-commerce.
Prerequisites: Admission to MBA Plan required; or consent of program director.

MBA 757 | Sales and Key Account Management | 2 cr
Reviews theory and best practices related to sales and key account management, includes discussion of motivation and incentives, selection, recruitment, and major account strategy.
Prerequisites: Admission to MBA plan required; or consent of program director.
Offered: Fall, Summer.

MBA 758 | Social Media Marketing | 2 cr
Explores the use of social media by marketers to increase brand awareness, identify key audiences, generate leads and build meaningful relationships with customers.
Prerequisites: Admission to MBA plan required; or consent of program director.
Offered: Yearly.

MBA 759 | Product Management | 2 cr
Examines the process of developing new products and services and managing existing offerings in a competitive market environment. Includes case studies to illustrate principles.
Prerequisites: Admission to MBA Plan required; or consent of program director.
Offered: Occasionally.

MBA 760 | Digital Marketing | 2 cr
Explores best practices for using data to create and optimize a digital marketing strategy. Introduces digital analytics platforms from a practical marketing perspective. Covers web analytics, simulations, and industry certifications. Not available for students with credit in: MBA 758.
Prerequisites: Admission to MBA plan required; or consent of program director.
Offered: Yearly.

MBA 761 | Optimization Techniques | 2 cr
Covers quantitative techniques managers use to enhance decision-making, including topics such as linear programming and its application, integer linear programming, non-linear programming, decision and risk analysis, and multi-criteria decision.
Prerequisites: Admission to MBA plan required; or consent of program director; MBA 720.
Offered: Fall, Spring, Summer.

MBA 762 | Supply Chain Analytics | 2 cr
Covers quantitative techniques managers use to enhance decision-making, including topics such as supply contract methods, inventory management techniques, network planning, distribution strategies, and supply chain decision making under uncertainty.
Prerequisites: Admission to MBA plan required; or consent of program director; MBA 720.
Offered: Fall, Spring, Summer.

MBA 764 | Strategic Sourcing in Digital Supply Chains | 2 cr
Focuses on skills and management tools to effectively source and procure resources using up-to-date technology.
Prerequisites: Admission to MBA program.
Offered: Yearly.

MBA 765 | Sustainable Logistics and Disaster Management | 2 cr
Examines how to improve logistics and supply chain operations to increase efficiency and create value. Focuses on preventing and overcoming disasters.
Prerequisites: Admission to MBA program.
Offered: Yearly.

MBA 771 | Agile and Waterfall Project Management | 2 cr
Explores application of agile and waterfall project management methodologies.
Prerequisites: Admission to MBA program.
Offered: Yearly.

MBA 773 | Resource Management and Budgeting | 2 cr
Covers efficient ways to allocate and track resources. Examines assigning costs, creating budgets and managing the cash flow.
Prerequisites: Admission to MBA program.
Offered: Yearly.

MBA 774 | Project Leadership and Change Management | 2 cr
Focuses on leadership skills for managing projects through organizational change.
Prerequisites: Admission to MBA program.
Offered: Yearly.

MBA 775 | Team Building and Communications in Projects | 2 cr
Explores team empowerment, diversity and inclusion, communication, and conflict resolution to ensure a project's intended outcome and overall organizational success.
Prerequisites: Admission to MBA program.
Offered: Yearly.

MBA 777 | Business Simulation and Modeling | 2 cr
Focuses on modeling the situations that are commonly observed in manufacturing or service industries. Includes analysis of simulation results and how to make appropriate business decisions.
Prerequisites: Admission to MBA Plan required; or consent of program director.
Offered: Spring.

MBA 781 | Strategic Compensation | 2 cr
Explores strategic use of compensation and benefits to attract, retain and motivate qualified employees. Covers theories underlying effective compensation and benefits systems design including internal alignment, external competitiveness and pay-for-performance.
Prerequisites: Admission to MBA plan required; or consent of program director.
Offered: Fall.

MBA 786 | Strategic Human Resource Management | 2 cr
Examines human resources management systems to create and sustain competitive advantage; emphasizes an integrate framework that requires linkage between, as well as consistency among, functional HR activities and their alignment with and reinforcement of the organization's competitive strategy.
Prerequisites: Admission to MBA Plan required; or consent of program director.
Offered: Yearly.

MBA 787 | Workforce Planning and Staffing | 2 cr
Explores planning for, recruiting, selecting and retaining an organization's labor force in context of the staffing environment (e.g. EEO laws and regulations, the economy and labor markets) using necessary tools (e.g. statistical measurement).
Prerequisites: Admission to MBA Plan required; or consent of program director.
Offered: Occasionally.

MBA 788 | Performance Management | 2 cr
Examines performance management methods and applicable motivation theories that managers can apply to encourage employees to support the strategic objectives of the organization in different business environments.
Prerequisites: Admission to MBA program required; or consent of program director.
Offered: Occasionally.

MBA 789 | Employee Training and Development | 2 cr
Strategic development of the skillset of employees for an organization's competitive advantage, including training needs assessment, program design, implementation of training programs and training evaluations.
Prerequisites: Admission to MBA program required; or consent of program director.
Offered: Fall, Spring.

MBA 790 | Special Topics | 1-3 cr
Explores special topics in the functional areas of business including topics such as market research, labor/management relations, social responsibilities/ethics, applied multi-variant statistics, management techniques, issues in financial accounting, financial analysis, and information systems evaluating and management. May be repeated with change in topic.
Prerequisites: Admission to MBA or MBAO Plan required; or consent of program director.
Offered: Occasionally.

MBA 793 | Competitive Decision Making | 2 cr
Provides advanced learning experience in competitive decision making through the use of an online business simulations.
Prerequisites: Admission to MBA plan required; or consent of program director.
Offered: Fall, Spring, Summer.

MBA 794 | Internship | 1-3 cr
Provides actual or quasi on-the-job learning experiences in which a student works with a single sponsoring organization under the supervision of a faculty member. Students may not use their current employment for internship credit. May be repeated for credit with different topic. A maximum of four credits of internship, and a total of six credits of internship plus independent study, can be applied toward MBA degree completion. Credit/no-credit grading basis.
Prerequisites: Admission to MBA program required; consent of instructor and program director.
Offered: Fall, Spring, Summer.

MBA 796 | Advanced Strategic Management | 2 cr
Focuses on strategic management as an essential function for all types of organizations and firms. Emphasizes advanced strategic management concepts, particularly business-level and corporate-level strategy formulation, implementation, and control.
Prerequisites: Admission to MBA program required; consent of program director; and any 4 of these 5 courses: MBA 700, MBA 702, MBA 720, MBA 732, and MBA 752.
Offered: Fall, Spring, Summer.

MBA 799 | Independent Study and Research | 2 cr
Provides an opportunity to work on an independent research study or project under the guidance of a faculty member. A maximum of four credits of independent study, and a total of six credits of internship plus independent study, can be applied toward MBA degree completion.
Prerequisites: Admission to MBA or MBAO Plan required; consent of instructor and program director.
Offered: Fall, Spring, Summer.

MBA 801 | Financial Statement Analysis and Business Valuation | 2 cr
Explores financial reporting topics in terms of its effect on assessments of a firm¿s profitability and risk; illustrates how to use financial statements for decision making.
Prerequisites: Admission to MBA program.
Offered: Yearly.

MBA 802 | Auditing and Forensic Accounting Methods | 2 cr
Focuses on auditing theory and forensic methods. Includes fulfilling internal and external auditing requirements by applying auditing theory and practice, emphasizing audit standards and evidence, and implementing, and adhering to internal controls.
Prerequisites: Admission to MBA program.
Offered: Yearly.

MBA 803 | Corporate Taxation for Managers | 2 cr
Focuses on corporate tax compliance including compliance with federal filing requirements. Concentrates on the managerial tax function, including both administrative input and the use of tax accounting information.
Prerequisites: Admission to MBA program.
Offered: Yearly.

MBA 804 | Accounting Data Analytics | 2 cr
Covers data analytics in accounting while addressing skills to help management identify risks, gain actionable insights, and react quickly to opportunities and/or competitions.
Prerequisites: Admission to MBA program.
Offered: Yearly.

Mathematics (MATH)

MATH 100 | Foundations of College Mathematics | 2 cr
Covers arithmetic, linear expressions and equations, linear graphs, exponents, and polynomial multiplication and factoring in preparation for MATH 102, MATH 104, and MATH 111.
Prerequisites: None.
Offered: Fall, Spring.

MATH 102 | Quantitative Reasoning | 4 cr
Covers topics selected from review of algebra fundamentals, sets, logic, number theory, geometry, consumer math, linear and exponential modeling, math and the arts, voting methods, probability, and statistics. Intended for students who need no further mathematics courses beyond competency.
Prerequisites: MATH 100 with a grade of C- or better; or appropriate placement.
Offered: Fall, Spring.
Meets: Computational Skills, Computational Skills, Computational Skills, Computational Skills, Computational Skills, Computational Skills, Computational Skills, Computational Skills, Computational Skills, Computational Skills

MATH 103 | Elementary Statistics | 4 cr
Introduces modern statistics including statistics and data, displaying descriptive statistics, measures of central tendency and dispersion, probability and counting, the binomial and normal probability distributions, sampling and sampling distributions, confidence intervals, hypothesis testing; and correlation and regression. Not open to students with credits in any of these courses: BIOS 210, GEOS 295, MATH 203, POLS 200, PSYC 250, QM 210, 310, SOCA 250, 295 or 300. Four-hour lecture.
Prerequisites: MATH 100 with a grade of C- or better; or appropriate placement.
Offered: Fall, Spring.
Meets: Natural Science: MATH, Computational Skills, Computational Skills, Natural Science: MATH, Computational Skills, Computational Skills, Natural Science: MATH, Computational Skills, Computational Skills, Natural Science: MATH, Computational Skills, Computational Skills, Natural Science: MATH, Computational Skills, Computational Skills

MATH 104 | College Mathematics with Applications | 4 cr
Covers topics from college algebra (such as functions, linear, exponential and logarithmic models), statistics, and graphing. Emphasizes proportional reasoning, modeling, problem-solving and applications. Intended for students whose program does not require further coursework in pre-calculus or calculus. Four-hour lecture.
Prerequisites: MATH 100 with a grade of C- or better; or appropriate placement.
Offered: Fall, Spring.
Meets: Computational Skills, Computational Skills, Computational Skills, Computational Skills, Computational Skills, Computational Skills, Computational Skills, Computational Skills, Computational Skills, Computational Skills

MATH 105AX | Business Algebra Fundamentals | 2 cr
Models business scenarios using algebraic techniques and analysis to help solve business problems and make predictions. Successfully completing MATH 105AX, MATH 105BX, and MATH 105CX satisfies the UW-P computational skills requirement for flexible option students.
Prerequisites: Admission to the Flexible Option Program and consent of program representative.

MATH 105BX | Money in the Bank: Application of Exponential and Logarithmic Functions | 1 cr
Covers evaluation of investment options, including factors such as interest rate, compounding period, and length of contract. Applies exponential and logarithmic functions to determine the best investment options. Successfully completing MATH 105AX, MATH 105BX, and MATH 105CX satisfies the UW-P computational skills requirement for flexible option students.
Prerequisites: MATH 105AX; admission to the Flexible Option Program and consent of program representative.

MATH 105CX | Application of Algebraic Methods to Model and Solve Business Problems | 1 cr
Models business scenarios using algebraic methods. Identifies and applies the best method to solve the business problems. Successfully completing MATH 105AX, MATH 105BX, and MATH 105CX satisfies the UW-P computational skills requirement for flexible option students.
Prerequisites: MATH 105BX; admission to the Flexible Option Program and consent of program representative.

MATH 110 | Cultural Perspectives of Mathematics | 3 cr
Surveys the development of mathematics through a variety of cultural perspectives. Includes the historical evolution of counting systems, mathematical tools, geometry, and other mathematical techniques. Examines how mathematics is used and portrayed in modern society and what biases exist in our understanding of mathematics and mathematicians.
Prerequisites: None.
Offered: Spring.
Meets: Natural Science: MATH, Natural Science: MATH, Natural Science: MATH, Natural Science: MATH, Natural Science: MATH

MATH 111 | College Algebra I | 5 cr

Explores linear equations, single and compound inequalities, and absolute value equations and inequalities; equations of lines and linear systems; exponential and polynomial operations with function evaluation; polynomial factoring by combinations of GCF, grouping, trinomial including quadratic-in-form, difference of squares, and sum and difference of cubes; quadratic and higher-degree equations by factoring; rational operations and equations; variation; radical operations and equations with up to two radical terms; complex numbers; completing the square and quadratic formula for quadratic equations; general polynomial equations; quadratic functions with graphing; introduction to exponential and logarithmic functions and equations.
Prerequisites: MATH 100 with a grade of C- or better; or appropriate placement.
Offered: Fall, Spring.
Meets: Computational Skills, Computational Skills, Computational Skills, Computational Skills, Computational Skills, Computational Skills, Computational Skills, Computational Skills, Computational Skills, Computational Skills

MATH 112 | College Algebra II | 4 cr

Explores functions and graphs, polynomial functions, exponential and logarithmic functions, sequences, series, induction and combinatorics. Four hour lecture.
Prerequisites: MATH 111 with C or better; or equivalent; or appropriate placement.
Offered: Fall, Spring.

MATH 113 | Trigonometry | 2 cr

Introduces trigonometry with applications including angular and circular definitions of trigonometric functions, graphing, use of fundamental identities.
Prerequisites: MATH 112 or equivalent or concurrent registration.
Offered: Fall, Spring.

MATH 114 | College Algebra II/Trigonometry | 5 cr

Covers functions and graphs, polynomials and rational functions, exponential and logarithmic functions, trigonometric functions, trigonometric identities and equations, applications, sequences, series. Not open to those with credit in MATH 112 or 113.
Prerequisites: MATH 111 with C or better; or equivalent, or appropriate placement; not open to those with credit in MATH 112 or MATH 113.
Offered: Fall, Spring.

MATH 203 | Intermediate Statistics | 3 cr

Introduces inferential statistics including elementary combinatorics and probability, binomial and normal distributions, Central Limit Theorem, estimation, confidence intervals, hypothesis testing, correlation, regression, chi-square distribution, and analysis of variance.
Prerequisites: Successful completion of Computational Skills requirement.
Offered: Spring.

MATH 215 | Math for Middle Childhood Through Early Adolescence Teachers I | 3 cr

Topics include the development of the algorithms of arithmetic, numeration systems, problem solving, number theory and set theory.
Prerequisites: MATH 111 with grade of C or better or consent of instructor.
Offered: Occasionally.

MATH 216 | Math for Middle Childhood Thru Early Adolescence Teachers II | 3 cr

Topics include introductory geometry, constructions, congruence, similarity, motion geometry, concepts of measurements, probability and statistics.
Prerequisites: MATH 215.
Offered: Occasionally.

MATH 221 | Calculus and Analytic Geometry I | 5 cr

Explains rate of change and limits, differentiation, applications of the derivative, integration, applications of the integral and transcendental functions.
Prerequisites: MATH 112 and MATH 113 or equivalent; or appropriate placement.
Offered: Fall, Spring.
Meets: Natural Science: MATH, Natural Science: MATH, Natural Science: MATH, Natural Science: MATH, Natural Science: MATH

MATH 222 | Calculus and Analytic Geometry II | 5 cr

Examines methods of integration, analytic geometry, polar coordinates, hyperbolic functions, infinite series, power series, and introduces ordinary differential equations.
Prerequisites: MATH 221.
Offered: Fall, Spring.
Meets: Natural Science: MATH, Natural Science: MATH, Natural Science: MATH, Natural Science: MATH, Natural Science: MATH

MATH 223 | Calculus and Analytic Geometry III | 5 cr

Explains vectors and parametric equations, vector functions and their derivatives, partial and directional derivatives, multiple integrals, vector analysis, Green's Theorem and Stokes' Theorem.
Prerequisites: MATH 222.
Offered: Fall.

MATH 231 | Discrete Mathematics | 3 cr

Covers sets; the number system; Boolean algebra; formal logic and proofs; relations and functions; combinatorics and recurrence relations; graphs and trees. Cross-listed with: CSCI 231.
Prerequisites: MATH 112 with a C or better.
Offered: Fall, Spring.

MATH 290 | Special Topics in Mathematics | 1-4 cr

Selected topics in mathematics will be examined.
Prerequisites: None.
Offered: Occasionally.

MATH 301 | Linear Algebra | 4 cr

Introduction to linear algebra including systems of equations, matrices, determinants, vector spaces and linear transformations, and diagonalization.
Prerequisites: MATH 223; or MATH 222 and consent of instructor.
Offered: Fall.

MATH 303 | Set Theory, Logic and Proof | 4 cr

Examines elementary propositional and predicate logic; language and axioms of set theory; operations on sets; well-orderings, ordinals, transfinite induction and recursion; cardinals; the axiom of choice; combinatorics; reading and writing of proofs in mathematics. Cross-listed with: PHIL 303.
Prerequisites: MATH 222; or PHIL 201 and consent of instructor.
Offered: Fall.

MATH 309 | Probability and Statistics | 3 cr
Covers elementary probability, random variables, properties of distributions, sampling, queuing theory, central limit theorem and law of large numbers. Cross-listed with: CSCI 309.
Prerequisites: MATH 221 with a C or better.
Offered: Spring.

MATH 310 | Advanced Probability Theory and Statistics | 4 cr
The main mathematical methods and techniques of probability theory; random variables, expected values, variance, central limit theorem, parameter estimation and hypothesis testing.
Prerequisites: MATH 223.
Offered: Fall.

MATH 317 | Differential Equations and their Applications | 4 cr
Examines first- and second-order differential equations and applications; higher-order linear differential equations; series solutions of second-order differential equations; Laplace transforms; matrix algebra, systems of equations, eigen values and eigenvectors; systems of differential equations; and partial differential equations.
Prerequisites: MATH 222.
Offered: Fall.

MATH 331 | Logic and Combinatorics | 3 cr
Permutations and combinations, graphs, trees, mathematical induction, propositional calculus, Mathematica and its applications in combinatorics, number theory and linear programming. Intended for students working for teaching certification in Mathematics.
Prerequisites: MATH 222.

MATH 350 | Advanced Calculus | 4 cr
Covers the fundamental notions of limits, continuity, uniform continuity, derivative, and integral. Examines infinite series with a study of convergence and uniform convergence.
Prerequisites: MATH 223, MATH 303.
Offered: Spring.

MATH 361 | Foundations of Geometry | 3 cr
Introduction to axiomatic geometry including Euclidean, non-Euclidean, and projective geometries.
Prerequisites: MATH 222.

MATH 367 | Elementary Number Theory | 4 cr
Prime numbers, fundamental theorem of arithmetic, congruence, quadratic residues and quadratic reciprocity, number theoretic functions and diophantine equations.
Prerequisites: MATH 222.

MATH 368 | Mathematical Modeling | 3 cr
Surveys mathematical models, models involving differential equations, probabilistic models, Markovian-models, simulation, and Monte Carlo methods. Cross-listed with: CSCI 368.
Prerequisites: MATH 222; PHYS 241 or CSCI 130; or consent of instructor.
Offered: Yearly.

MATH 370 | Numerical Analysis | 4 cr
Introduces theory and practical use of certain basic numerical methods that often arise in applications. Covers numerical methods for solving linear and nonlinear equations, approximating functions, computing integrals, and derivatives.
Prerequisites: MATH 317 or consent of instructor.
Offered: Spring.

MATH 373 | History of Mathematics | 3 cr
Main lines of mathematical development from the Babylonians, Egyptians and Greeks to the present day; the lives of great mathematicians: Euclid, Archimedes, Descartes, Newton, Gauss, Cantor.
Prerequisites: MATH 221 or consent of instructor.
Offered: Occasionally.

MATH 401 | Applied Mathematics | 3 cr
Explores traditional analytical and numerical methods enriched by modern mathematical developments and applications to various fields such as ocean and atmospheric sciences. Combines approximate forms of the basic mathematical equations of motion with analysis.
Prerequisites: MATH 223 and MATH 317.
Offered: Fall (odd years).

MATH 423 | Complex Analysis | 4 cr
Examines elementary functions of a complex variable; analytic -functions; complex integrals and residue theory; conformal mapping; applications to electrostatics and hydrodynamics.
Prerequisites: MATH 223, MATH 303.
Offered: Spring.

MATH 441 | Abstract Algebra | 4 cr
A study of group theory which includes subgroups, normal subgroups, isomorphisms, quotient groups, Cayley's Theorem, and Lagrange's Theorem. Provides an introduction to ring theory which includes subrings, ideals and factor rings, and polynomial rings.
Prerequisites: MATH 301, MATH 303 or consent of instructor.
Offered: Fall.

MATH 451 | Topology | 4 cr
Explores theory of topological spaces, metric spaces, continuous functions, connectedness, compactness, and manifolds.
Prerequisites: MATH 301 and MATH 350; or consent of instructor.
Offered: Occasionally.

MATH 461 | Differential Geometry | 3 cr
Local theory of curves and surfaces, curvature tensors, and global theory of surfaces.
Prerequisites: MATH 301 and MATH 350.
Offered: Occasionally.

MATH 490 | Special Topics in Mathematics | 1 cr
Intensive treatment of various specialized areas of mathematics.
Prerequisites: Instructor consent.
Offered: Occasionally.

MATH 495 | Senior Seminar | 1-2 cr
Research and presentation of selected topics from the mathematical literature.
Prerequisites: Senior standing and consent of instructor.
Offered: Fall.

MATH 499 | Independent Study | 1-4 cr
Prerequisites: Consent of instructor and department chair.
Offered: Occasionally.

Military Studies (MILS)

MILS 100 | Air Force Leadership Lab | 0 cr
Provides prospective Air Force officers opportunities and feedback needed to develop followership, leadership, teamwork and managerial skills. May be repeated.
Prerequisites: None.
Offered: Fall, Spring.

MILS 101 | Military Physical Training I | 1 cr
Provides goal-oriented, small unit approach to physical conditioning and military drill. Focuses on strength, mobility and endurance development, measured by the Army Physical Fitness Test. This course is a part of the Army ROTC program offered by Marquette University through a cross-town partnership agreement.
Prerequisites: None.
Offered: Fall.

MILS 102 | Military Physical Training II | 1 cr
Provides goal-oriented, small unit approach to physical conditioning and military drill. Focuses on strength, mobility and endurance development, measured by the Army Physical Fitness Test. This course is a part of the Army ROTC program offered by Marquette University through a cross-town partnership agreement.
Prerequisites: None.
Offered: Spring.

MILS 103 | Foundations of United States Air Force I | 1 cr
Introduces communication skills and the US Air Force, and provides basic characteristics, missions, and organization. Students pursuing an Air Force commission must concurrently enroll in MILS 100.
Prerequisites: None.
Offered: Fall.

MILS 104 | Foundations of United States Air Force II | 1 cr
Advances communication skills and the US Air Force, and provides characteristics, missions, and organization. Students pursuing an Air Force commission must concurrently enroll in MILS 100.
Prerequisites: None.
Offered: Spring.

MILS 110 | Military Leadership I | 1 cr
Introduces military professional and military leadership including the core competencies critical to effective leadership such as time management, problem solving, and decision making. Establishes a framework for understanding officership, leadership, and ROTC values. This course is a part of the Army ROTC program offered by Marquette University through a cross-town partnership agreement.
Prerequisites: None.
Offered: Fall.

MILS 120 | Military Leadership II | 1 cr
Extends the depth of military leadership and competency introducing communication principles, military briefings, effective writing, problem solving, goals setting, listening and speaking skills, and counseling. This course is a part of the Army ROTC program offered by Marquette University through a cross-town partnership agreement.
Prerequisites: None.
Offered: Spring.

MILS 201 | Military Physical Training III | 1 cr
Provides goal-oriented, small unit approach to physical conditioning and military drill. Focuses on strength, mobility and endurance development, measured by the Army Physical Fitness Test. This course is a part of the Army ROTC program offered by Marquette University through a cross-town partnership agreement.
Prerequisites: MILS 102.
Offered: Fall.

MILS 202 | Military Physical Training IV | 1 cr
Provides goal-oriented, small unit approach to physical conditioning and military drill. Facuses on strength, mobility and endurance development, measured by the Army Physical Fitness Test. This course is a part of the Army ROTC program offered by Marquette University through a cross-town partnership agreement.
Prerequisites: MILS 201.
Offered: Spring.

MILS 203 | Evolution of the USAF Air and Space Power I | 1 cr
Introduces Air Force heritage and leaders, air and space power, and continues application of communication skills. Students pursuing an Air Force commission must concurrently enroll in MILS 100.
Prerequisites: None.
Offered: Fall.

MILS 204 | Evolution of the USAF Air and Space Power II | 1 cr
Advances study of Air Force heritage and leaders, air and space power, and continues application of communication skills. Students pursuing an Air Force commission must concurrently enroll in MILS 100. Students pursuing an Air Force commission must concurrently enroll in MILS 100. Frequency: Spring. Method: Traditional. Effective: Fall 2019.
Prerequisites: None.
Offered: Spring.

MILS 210 | Tactical Leadership | 2 cr
Explores dimensions of creative and innovative tactical leadership strategies and styles by examining team dynamics and historical leadership theories that form the basis of Army leadership framework. This course is a part of the Army ROTC program offered by Marquette University through a cross-town partnership agreement.
Prerequisites: MILS 120.
Offered: Fall.

MILS 220 | Military Leadership in the Contemporary Environment | 2 cr
Examines the challenges of leading tactical teams in the complex operational environment. Develops leadership style and communication and team-building skills in the contemporary environment. This course is a part of the Army ROTC program offered by Marquette University through a cross-town partnership agreement.
Prerequisites: MILS 210.
Offered: Spring.

MILS 301 | Military Physical Training V | 1 cr
Provides goal-oriented, small unit approach to physical conditioning and military drill. Focuses on strength, mobility and endurance development, measured by the Army Physical Fitness Test. This course is a part of the Army ROTC program offered by Marquette University through a cross-town partnership agreement. Frequency: Fall. Method: Traditional. Effective: Fall 2017.
Prerequisites: MILS 202.
Offered: Fall.

MILS 302 | Military Physical Training VI | 1 cr
Provides goal-oriented, small unit approach to physical conditioning and military drill. Focuses on strength, mobility and endurance development, measured by the Army Physical Fitness Test. This course is a part of the Army ROTC program offered by Marquette University through a cross-town partnership agreement.
Prerequisites: MILS 301.
Offered: Spring.

MILS 303 | Air Force Leadership Studies I | 3 cr
Examines the leadership and quality management fundamentals, professional knowledge, leadership ethics, and communication skills required of an Air Force Officer.
Prerequisites: Concurrent enrollment in MILS 100.
Offered: Fall.

MILS 304 | Air Force Leadership Studies II | 3 cr
Advances the examination of leadership and quality management fundamentals, professional knowledge, leadership ethics, and communication skills required of an Air Force Officer.
Prerequisites: Concurrent enrollment in MILS 100.
Offered: Spring.

MILS 310 | Adaptive Team Leadership | 3 cr
Covers the study, practice and application Army leadership in team or squad situations. Introduces to the Leader Development Program and how to plan and conduct individual and small unit training. This course is a part of the Army ROTC program offered by Marquette University through a cross-town partnership agreement.
Prerequisites: MILS 220.
Offered: Fall.

MILS 320 | Leadership and Ethical Decision-Making | 3 cr
Provides development as a leader through applied training in interpersonal communication; values, and ethical decision-making. This course is a part of the Army ROTC program offered by Marquette University through a cross-town partnership agreement.
Prerequisites: MILS 310.
Offered: Spring.

MILS 401 | Military Physical Training VII | 1 cr
Provides goal-oriented, small unit approach to physical conditioning and military drill. Focuses on strength, mobility and endurance development, measured by the Army Physical Fitness Test. This course is a part of the Army ROTC program offered by Marquette University through a cross-town partnership agreement.
Prerequisites: MILS 302.
Offered: Spring.

MILS 402 | Military Physical Training VIII | 1 cr
Provides goal-oriented, small unit approach to physical conditioning and military drill. Focuses on strength, mobility and endurance development, measured by the Army Physical Fitness Test. This course is a part of the Army ROTC program offered by Marquette University through a cross-town partnership agreement.
Prerequisites: MILS 401.
Offered: Spring.

MILS 403 | National Security Affairs, Preparation for Active Duty I | 3 cr
Examines the national security process, regional studies, and formulation of American defense policy, strategy and joint doctrine.
Prerequisites: Concurrent enrollment in MILS 100.
Offered: Fall.

MILS 404 | National Security Affairs, Preparation for Active Duty II | 3 cr
Advances the examination of the national security process, regional studies, and formulation of American defense policy, strategy and joint doctrine.
Prerequisites: Concurrent enrollment in MILS 100.
Offered: Spring.

MILS 410 | Applied Leadership I | 2 cr
Focuses on the Military Decision Making Process, the Army's Training Management System, and ethical leadership and decision-making. Includes training, counseling and evaluating within "army context" and ethics. This course is a part of the Army ROTC program offered by Marquette University through a cross-town partnership agreement.
Prerequisites: MILS 320.
Offered: Fall.

MILS 420 | Applied Leadership II | 2 cr
Examines legal aspects of decision-making and leadership, operations from the tactical to strategic level, administrative and logistical management as students/cadets transition to Army lieutenant. This course is a part of the Army ROTC program offered by Marquette University through a cross-town partnership agreement.
Prerequisites: MILS 410.
Offered: Spring.

MILS 499 | Independent Study | 1-3 cr
Provides individual instruction on topics in Military Studies under faculty supervision.
Prerequisites: Consent of Director of the Center for Professional Studies.
Offered: Fall, Spring.

Modern Languages (MODL)

MODL D101 | Modern Language I: | 4 cr

MODL D103 | Modern Language I: | 4 cr

MODL D104 | Modern Language II: | 4 cr

MODL D211 | Modern Language III: | 4 cr

MODL 103 | Modern Language I: | 4 cr
Semester I of a modern language other than those regularly offered in the Modern Languages Department. May be repeated with different language content.
Prerequisites: None.
Offered: Occasionally.

MODL 104 | Modern Language II: | 4 cr
Semester II of a modern language other than those regularly offered in the Modern Languages Department. May be repeated with different language content.
Prerequisites: MODL 103 or equivalent.
Offered: Occasionally.

MODL 191 | Culture of Food: The French Case From Croissants to Champagne | 3 cr
Examines French culture, history, the geography, through the lens of French cuisine. Provides Cuisine samples when appropriate. Instruction is in English. Class Fee.
Prerequisites: None.
Offered: Fall, Spring.
Meets: Humanities and the Arts: MODL, Humanities and the Arts: MODL, Humanities and the Arts: MODL, Humanities and the Arts: MODL, Humanities and the Arts: MODL

MODL 203 | Intermediate Modern Language I | 4 cr
Continued training in listening, speaking, reading and writing skills through conversation, composition and grammar review.
Prerequisites: MODL 104 in same language or equiv.
Offered: Occasionally.

MODL 204 | Intermediate Modern Language II | 4 cr
Continued training in listening, speaking, reading and writing skills through conversation, composition and grammar review.
Prerequisites: MODL 203 in same language or equiv.
Offered: Occasionally.

MODL 218 | French Life and Culture | 3 cr
Explores contemporary French culture and civilization.
Prerequisites: None.
Offered: Yearly.
Meets: Humanities and the Arts: MODL, Humanities and the Arts: MODL, Humanities and the Arts: MODL, Humanities and the Arts: MODL, Humanities and the Arts: MODL

MODL 319 | Paris: The City and the People (in English) | 3 cr
Examines the city of Paris including the daily life of the people, its monuments, history, culture, and international significance. Taught in English and requires no familiarity with the French language. Requires travel and fees.
Prerequisites: ENGL 101, sophomore standing; or consent of instructor.
Offered: Spring.

MODL 347 | Post-1800 World Literature | 3 cr
Explores selected global literary and cultural texts produced after 1800. Emphasizes non-Western works, including those with indigenous foundations. Examines the broad historical context and draws from other fields to deepen our understanding of the human experience, particularly along cross-cultural lines. Cross-listed with: ENGL 347.
Prerequisites: ENGL 101 or consent of instructor.
Offered: Spring.

MODL 499 | Independent Study | 4 cr
Prerequisites: Consent of instructor and department chair.
Offered: Occasionally.

MS Sport Management (MSSM)

MSSM 515 | The Business of E-Sports | 3 cr
Provides overview of the e-sports industry including industry governance/administration, revenue generation, leadership and facility operations & development. Multi-career cross-listing: SPMT 315. Not available for students with credit in: SPMT 315.
Prerequisites: None.
Offered: Occasionally.

MSSM 539 | Sustainable Sport Management | 3 cr
Surveys sustainable business techniques employed by sports organizations in the areas of facility financing, facility development, marketing and event operations. Examines how sports organizations employ marketing techniques focused on and including sustainable/green concepts. Not open to those with credit in SPMT 339. Multi-career cross-listing: SPMT 339.
Prerequisites: None.
Offered: Spring (even years).

MSSM 560 | Sports Communication | 3 cr
Examines how sports organizations interact with the media and fans/customers through various forms of electronic and social media. Multi-career cross-listing: SPMT 360. Not available for students with credit in: SPMT 360.
Prerequisites: None.
Offered: Yearly.

MSSM 565 | Sports Broadcasting | 3 cr
Provides an overview of the basics of sports broadcasting including radio, television and streaming platforms. Includes examination of how individuals enter and operate in the industry and practical application of skills. Multi-career cross-listing: SPMT 365. Not available for students with credit in: SPMT 365.
Prerequisites: None.
Offered: Occasionally.

MSSM 600 | Sports Analytics | 3 cr
Examines the design, collection, analysis, and use of data to measure performance and make decisions in competitive sports. Reviews basic concepts and skills needed to develop and apply analytical skills to sport from different perspectives: coaching, management, business, media, etc. Not open to those with credit in SPMT 400. Multi-career cross-listing: SPMT 400.
Prerequisites: None.
Offered: Yearly.

MSSM 635 | Athletic Fundraising | 3 cr
Examines the development of successful fundraising programs in interscholastic and intercollegiate athletic programs. Not open to those with credit in SPMT 435. Multi-career cross-listing: SPMT 435.
Prerequisites: None.
Offered: Yearly.

MSSM 640 | Advanced Studies in Health and Sport Leadership | 3 cr
Addresses significant real-world issues faced by industry leaders in health and sport industries from perspective of industry executives and discusses resolution strategies. Multi-career cross-listing: SPMT 440. Not available for students with credit in: SPMT 440.
Prerequisites: None.
Offered: Occasionally.

MSSM 700 | Sports Research and Analysis Methodology | 3 cr
Analyzes research in the sport management field to help solve issues within the sport industry. Introduces different methods for conducting and analyzing research. Examines how research articles are organized to assist in both reading and conducting research.
Prerequisites: None.
Offered: Yearly.

MSSM 701 | Sports Governance and Administration | 3 cr
Explores the managerial activities essential to governance and policy development in the sport industry and reviews the structure and function of these organizations.
Prerequisites: None.
Offered: Yearly.

MSSM 710 | Sports Law | 3 cr
Examines sport law as it applies to sport managers by identifying liability of situations in the supervision, management and conduct of sport. Introduces how to design and develop strategies for limiting liability including constitutional law, negligence, contract and employment law.
Prerequisites: None.
Offered: Yearly.

MSSM 711 | Ethical Issues and Leadership in Sports | 3 cr
Introduces various leadership theories and ethical considerations in sport. Examines leadership and ethical issues when leading a sport organization including topics in human resources and effective management.
Prerequisites: None.
Offered: Yearly.

MSSM 712 | Social and International Issues in 21st Century Sports | 3 cr
Introduces sociological concepts within sport. Examines how global society impacts sport.
Prerequisites: None.
Offered: Yearly.

MSSM 720 | Revenue Generation and Sales in Sports Organizations | 3 cr
Examines revenue generation and sales processes for sports organizations including the various revenue streams available at all levels of sport through developing buyer proposals and learning contract negotiation processes for agreements.
Prerequisites: None.
Offered: Yearly.

MSSM 721 | Financial Management for Sports Organizations | 3 cr
Covers budgeting and financial reporting for sports organizations. Explores methods of financing for both sports organizations and sports facilities.
Prerequisites: None.
Offered: Yearly.

MSSM 722 | Sports Facility and Event Management | 3 cr
Covers planning, development and management of sport facilities and events. Includes topics in needs assessment, risk management, site selection, financial planning, operations, crowd control, event staffing, marketing, media, and sponsorships and participant prizes.
Prerequisites: None.
Offered: Yearly.

MSSM 790 | Special Topics in Sport Management | 3 cr
Examines topics in sport management. May be repeated for credit with different topic.
Prerequisites: None.
Offered: Occasionally.

MSSM 791 | Current Issues in Sport Management Seminar | 3 cr
Explores current and ongoing issues in the sport management industry. Discusses and analyzes current topics preparing student to face these issues in the real world as a sport manager.
Prerequisites: None.
Offered: Fall, Spring.

MSSM 794 | Sport Management Internship | 3 cr
Provides opportunity for professional skills development through supervised work in the field of sport management. Applies learned knowledge and enhances experience and skills in a practical and relevant setting. May be repeated one time for additional three credits.
Prerequisites: Consent of instructor and department chair.
Offered: Yearly.

MSSM 798 | Thesis in Sport Management | 1-6 cr
Provides opportunity to complete a master's thesis in sport management by reviewing existing research and conducting original, independent research. May be repeated for credit.
Prerequisites: Permission of instructor and program director.
Offered: Occasionally.

MSSM 799 | Independent Study | 3 cr
Provides opportunity for independent work in specific areas under the supervision of a department faculty member. May be repeated for credit.
Prerequisites: Consent of instructor and department chair.
Offered: Fall, Spring, Summer.

Museum Studies (MSST)

MSST 300 | Museum Studies | 2 cr
Introduction to the museum field focusing on methods and skills needed to work in a variety of museum professions. Features presentations by museum professionals working in local museums.
Prerequisites: Sophomore standing or consent of instructor.
Offered: Occasionally.

MSST 305 | Introduction to Museum Management | 2 cr
Introduces essential aspects of museum management and administration.
Prerequisites: MSST 300 or consent of instructor.
Offered: Occasionally.

Music (MUSI)

MUSI 100 | Appreciation of World Music | 3 cr
Introduces the many styles and types of music heard in America today; explores contributions made by cultures from around the world.
Prerequisites: None.
Offered: Fall, Spring.
Meets: Humanities and the Arts: MUS, Humanities and the Arts: MUS, Humanities and the Arts: MUS, Humanities and the Arts: MUS, Humanities and the Arts: MUS

MUSI 101 | Fundamentals of Music | 3 cr
Introduces music vocabulary including notation, scales, melody and basic harmony.
Prerequisites: None.
Offered: Fall, Spring, Summer.
Meets: Humanities and the Arts: MUS, Humanities and the Arts: MUS, Humanities and the Arts: MUS, Humanities and the Arts: MUS, Humanities and the Arts: MUS

MUSI 104 | Music Appreciation | 3 cr
Explores musical enjoyment and understanding. Includes listening experiences in the various styles and forms of music, assigned readings and attendance at performances.
Prerequisites: None.
Offered: Fall, Spring.
Meets: Humanities and the Arts: MUS, Humanities and the Arts: MUS, Humanities and the Arts: MUS, Humanities and the Arts: MUS, Humanities and the Arts: MUS

MUSI 106 | Jazz Appreciation | 3 cr
Explores stylistic periods of jazz from its beginning through the present. Emphasizes key performers and their styles. Includes recordings and live performances. Open to all students.
Prerequisites: None.
Offered: Fall, Spring.
Meets: Humanities and the Arts: MUS, Ethnic Diversity, Humanities and the Arts: MUS, Ethnic Diversity, Humanities and the Arts: MUS, Ethnic Diversity, Humanities and the Arts: MUS, Ethnic Diversity, Humanities and the Arts: MUS, Ethnic Diversity

MUSI 118 | Music Theory Lab I | 1 cr
Introduces basic music vocabulary, including study of notation, scales, melody and basic harmony. Explores basic solfege and basic piano skills.
Prerequisites: Music major or minor; or consent of instructor.
Offered: Occasionally.

MUSI 119 | Music Theory Lab II | 1 cr
Continues exploration of basic music vocabulary, including notation, scales, melody, basic harmony, solfege, and basic piano skills.
Prerequisites: MUSI 118; or consent of instructor.
Offered: Occasionally.

MUSI 120 | Music Theory I | 2 cr
Develops the fundamentals of music, in depth. Studies include notation, acoustics, scales, rhythm, diatonic harmony, melody, intervals, keys and chord functions. Other topics include figured bass, melodic composition, Roman numeral analysis, and the principles of four-part writing. Lab fee.
Prerequisites: Music major, minor, concurrent registration in MUSP 135.
Offered: Fall.

MUSI 121 | Music Theory II | 2 cr
Expands on topics presented in Music Theory I and introduces harmonic progression, non-chord tones, cadences, phrase and period structure, dominant seventh chords, and harmonization of melodies. Includes projects in analysis and composition. Course fee.
Prerequisites: MUSI 120 with a grade of C or better, concurrent registration MUSP 136.
Offered: Occasionally.

MUSI 221 | Music Theory III | 2 cr
Studies in diatonic seventh chords, chromaticism, secondary functions, modulatory techniques, and binary and ternary forms. Includes projects in analysis and composition. Lab fee.
Prerequisites: MUSI 121 with C or better, concurrent registration in MUSP 236.
Offered: Fall.

MUSI 226 | Popular Music Theory | 2 cr
Examines pop and jazz harmonies and theory for popular music. Includes modal scales and popular music scales, diversity of rhythm, popular patterns, melody construction, commercial harmony, and analysis of popular music.
Prerequisites: MUSI 221.
Offered: Fall.

MUSI 290 | Special Topics in Music | 1-4 cr
Selected topics in music will be examined.
Prerequisites: None.
Offered: Occasionally.

MUSI 321 | Music Theory IV | 2 cr
Studies in 19th-20th century music, including mode mixture, Neapolitan chords, augmented sixth chords, enharmonic reinterpretation, and advanced modulatory techniques. Includes projects in analysis and composition. Course fee.
Prerequisites: MUSI 221 with a grade of C or better, concurrent registration in MUSP 336.
Offered: Spring.

MUSI 330 | Music History I: 450-1750 | 3 cr
Surveys Western music from medieval music to the early 18th century. Explores the stylistic evolution within music and in relation to civilization.
Prerequisites: ENGL 101.
Offered: Fall.

MUSI 331 | Music History II: 1750-Present | 3 cr
Explores the stylistic evolution of music from the 18th century through the present.
Prerequisites: ENGL 101.
Offered: Spring.

MUSI 332 | World Music | 3 cr
Surveys music and its place in human cultures around the world. Considers traditional, popular, and classical musics from a number of regions using an ethno-musicological perspective, highlighting similarities and differences in relation to other domains of cross-cultural social life.
Prerequisites: Music major or minor.
Offered: Fall, Spring.

MUSI 336 | African-American Music | 3 cr
Survey and study of development and evolution of African American music 17th century to present with attention given to historical, sociological, political and humanistic contexts. Cross-listed with: ETHN 336.
Prerequisites: None.
Offered: Summer.
Meets: Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity

MUSI 338 | Music of the Great Migration: 1900-1960 | 3 cr
Survey and study of African American music, from 1900-1960, related to the Great Migration and its next generation. Attention given to historical, sociological, political and humanistic contexts. Community-based learning designation. Cross-listed with: ETHN 338.
Prerequisites: None.
Offered: Occasionally.
Meets: Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning

MUSI 339 | Music of the Great Migration: 1960-1990 | 3 cr
Survey and study of African American music, from 1960-1990, related to the Great Migration and its next generation. Attention given to historical, sociological, political and humanistic contexts. Cross-listed with: ETHN 339.
Prerequisites: None.
Offered: Occasionally.

MUSI 340 | American Popular Music | 3 cr
Explores American popular music idioms including blues, folk, ragtime, jazz, big band, spirituals, blue grass, Tejano, Cajun, musical comedy, western, gospel, country, skiffle, rock and roll, R&B, soul, funk, Motown, hard rock, disco, heavy metal, reggae, corporate rock, punk, worldbeat, new wave, grunge, new age, easy listening, techno, rap and hip hop.
Prerequisites: Music major or consent of instructor.
Offered: Occasionally.

MUSI 346 | Jazz History | 3 cr
Examines stylistic periods of jazz from origins to present with emphasis on major performers and styles. Includes recordings and live performances.
Prerequisites: Music major.
Offered: Fall, Spring.

MUSI 350 | Music Business | 2 cr
Investigates employment in music through education, performing and various aspects of music as a business: publishing, instrument sales, recording and management. Open to all students.
Prerequisites: None.
Offered: Occasionally.

MUSI 377 | Vocal Pedagogy | 1 cr
Introduces voice science through readings and lectures including some independent reading and research. Explores vocal pedagogy with concepts used in a controlled setting where the student becomes the teacher.
Prerequisites: MUSA 181 or consent of instructor.
Offered: Occasionally.

MUSI 380 | Diction | 3 cr
Introduces application of the International Phonetic Alphabet to English, Italian, French and German vocal repertoire, along with study of representative vocal literature and related performance techniques.
Prerequisites: MUSA 181, or consent of instructor.
Offered: Yearly.

MUSI 420 | Analytic Technics | 2 cr
Investigates the structural and harmonic analysis of small and large musical forms.
Prerequisites: MUSI 321 with C or better.
Offered: Occasionally.

MUSI 421 | Post-Tonal Materials and Techniques | 2 cr
Examines historical and analytical studies in 20th and 21st century music including impressionism, neo-classicism, atonality, serialism, set theory, aleatoric music, minimalism, as well as technological developments, sound mass, and new approaches to rhythm.
Prerequisites: MUSI 321 with C or better, or consent of instructor.
Offered: Occasionally.

MUSI 423 | Orchestration and Arranging | 2 cr
Explores individual instruments and scoring practices for orchestral instruments.
Prerequisites: MUSI 321 or consent of instructor.
Offered: Occasionally.

MUSI 425 | Jazz Arranging | 2 cr
Explores idiomatic writing for jazz instruments, including written arrangements in a variety of jazz styles for small and large jazz ensembles.
Prerequisites: MUSI 321, MUSP 336; or consent of instructor.
Offered: Occasionally.

MUSI 447 | Jazz Styles | 2 cr
Explores jazz history through solo analysis, listening, ear training, and the performance of specific transcriptions from major jazz artists.
Prerequisites: MUSI 346, music major with jazz studies and performance concentration; or consent of instructor.
Offered: Occasionally.

MUSI 480 | Seminar in Piano Literature and Performance Practice | 2 cr
Advanced study of a specific era of the piano repertoire including all aspects of performance practice: tempo, rhythm, articulation, rubato, dynamics, ornamentation, pedaling and historical context. Each time offered, this course will examine a different era or composer. May repeat with different topic.
Prerequisites: Consent of instructor.
Offered: Yearly.

MUSI 485 | Music Composition Seminar | 2 cr
Explores analysis and composition of music. Seminar participation and individual composition lessons. May be repeated for credit.
Prerequisites: MUSI 321 or consent of instructor.
Offered: Occasionally.

MUSI 489 | Music Senior Seminar | 3 cr
Provides opportunity for the development and presentation of a portfolio (paper and electronic) and auditions/interview materials to prepare for professional careers and/or graduate study.
Prerequisites: Senior standing, consent of instructor and department chair.
Offered: Yearly.

MUSI 490 | Special Topics in Music | 1-4 cr
Selected topics in music will be studied.
Prerequisites: none.
Offered: Occasionally.

MUSI 495 | Music Internship | 1-3 cr
Individualized program of study for juniors and seniors that includes apprenticeships at professional local music organizations and at UW-Parkside Fine Arts offices under the supervision of faculty and staff. May be repeated for a maximum of 12 credits.
Prerequisites: Junior or senior standing, consent of department chair.
Offered: Fall, Spring.

MUSI 499 | Independent Study | 1-5 cr
Allows students the opportunity to explore a variety of musical subjects and/or projects that are not regularly offered in other music courses.
Prerequisites: Consent of instructor and department chair.
Offered: Fall, Spring.

MUSI 690 | Special Topics in Music | 1-4 cr
Selected topics in music will be studied.
Prerequisites: Consent of Instructor.
Offered: Occasionally.

MUSI 699 | Independent Study | 1-5 cr
Provides the opportunity for students to study and individualized topic with a faculty member.
Prerequisites: Consent of instructor and department chair.
Offered: Fall, Spring.

Music Education (MUSE)

MUSE 300 | Music Teaching and Learning | 3 cr
Examines the foundations of music pedagogy, including historical and philosophical foundations and curricular approaches used in music teaching and learning. Includes field-based observational experiences in diverse classroom and community music settings. Requires supervised and evaluated field experience. Community-based learning designation.
Prerequisites: Music major or minor; or consent of instructor.
Offered: Yearly.
Meets: Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning

MUSE 302 | General Music Methods I: Elementary | 3 cr
Prepares students to teach general music to young children. Equips students with the competencies to plan, create, implement, and evaluate a general music curriculum. Reviews current trends, materials, methods, and approaches. Prerequisites; MUSI 121, MUSP 150; or consent of the instructor.
Offered: Fall.

MUSE 303 | Interdisciplinary Teaching and Learning | 2 cr
Explores the integration of music, visual art, drama, and movement with elementary and middle school curricula. Includes methods of instruction such as modeling and demonstration, group discussions, small group projects, critiques, and development of lesson plans that integrate the arts into the curricula.
Prerequisites: MUSE 300 or any EDU course; or consent of instructor.
Offered: Yearly.

MUSE 304 | General Music Methods II: Secondary | 3 cr
Prepares students to teach general music to middle/high school students. Equips students with the competencies to plan, create, implement, and evaluate a general music curriculum. Reviews current trends, materials, methods, and approaches.
Prerequisites: MUSI 121, MUSP 150; or consent of instructor.
Offered: Fall.

MUSE 411 | Methods of Elementary and Middle School Choral Music | 3 cr
Focuses on developing the knowledge, performances, and dispositions required in choral music educators in elementary and middle school settings. Includes administration, curriculum development, literature selection, instructional planning, and teaching strategies. Requires supervised and evaluated field experience.
Prerequisites: MUSI 321 or consent of instructor.
Offered: Fall.

MUSE 413 | Methods of Teaching Secondary Choral Music | 3 cr
Prepares students to plan, organize, administer, and teach choral music in secondary music programs. Includes examination of materials, literature, and resources for secondary vocal music instruction. Requires supervised and evaluated field experience.
Prerequisites: MUSI 321 or consent of instructor.
Offered: Spring.

MUSE 414 | Methods of Elementary and Middle School Instrumental Music | 3 cr
Prepares students to plan, organize, administer, and teach instrumental music in primary music programs. Students participate in a variety of field observations of music programs, rehearsals, and performances. Requires supervised and evaluated field experience.
Prerequisites: MUSI 321 or consent of instructor.
Offered: Fall.

MUSE 416 | Methods of Teaching Secondary Instrumental Music | 3 cr
Prepares students to plan, organize, administer, and teach instrumental music in the secondary school music program. Requires participation in a variety of field observations of school music programs, rehearsals, and performances. Includes planning for and implementing ensemble warm-ups, leading sectional rehearsals, and working with selected students on solo or ensemble repertoire. Requires supervised and evaluated field experience.
Prerequisites: MUSI 321 or consent of the instructor.
Offered: Spring.

Music Performance (MUSP)

MUSP 1 | Concert Attendance | 0 cr
Attendance of music programs selected from an approved concert calendar for the purpose of broadening the student's musical experience.
Prerequisites: Music major or minor.
Offered: Fall, Spring.

MUSP 102 | Large Music Ensemble | 1 cr
Study and performance of music in the genres and historical styles appropriate to a variety of choral and instrumental ensembles. University Chorale, Master Singers, Jazz Ensemble, Wind Ensemble, Community Band, Parkside Symphony and Community Orchestra are offered every semester. Occasional extra rehearsals. May be repeated for credit.
Prerequisites: None.
Offered: Fall, Spring.
Meets: Humanities and the Arts: MUS, Humanities and the Arts: MUS, Humanities and the Arts: MUS, Humanities and the Arts: MUS, Humanities and the Arts: MUS

MUSP 135 | Aural Music Theory I | 1 cr
Sight singing and aural recognition of the elements of tonal music including intervals, harmony, melody, rhythm and tonality. Lab fee.
Prerequisites: Music major, minor, concurrent registration in MUSI 120; or consent of instructor.
Offered: Fall.

MUSP 136 | Aural Music Theory II | 1 cr
Continuation of Aural Music Theory I with an emphasis on aural recognition of the elements of 18th-century music. Lab fee.
Prerequisites: MUSI 120 and MUSP 135 with a grade of C or better; concurrent enrollment MUSI 121.
Offered: Spring.

MUSP 150 | Class Piano I | 2 cr
Basic piano literature, development of keyboard sight reading, harmonization, transposition and improvisation. Lab fee.
Prerequisites: Music major, minor; or consent of instructor.
Offered: Fall.

MUSP 151 | Class Piano II | 2 cr
Prerequisites: Music major or minor and MUSP 150 with a grade of C or better; or consent of instructor.
Offered: Spring.

MUSP 223 | Fundamentals of Improvisation | 1 cr
Explores scales, modes and associated chords used in jazz improvisation. Includes methods of applied, aural and written study.
Prerequisites: MUSI 120 or consent of instructor.
Offered: Occasionally.

MUSP 224 | Jazz Improvisation I | 1 cr
Provides opportunity for improvisation in a small-group setting playing major and minor blues and basic jazz tunes including introductions and endings.
Prerequisites: MUSI 120, or consent of instructor.
Offered: Fall.

MUSP 236 | Aural Music Theory III | 1 cr
Continuation of Aural Music Theory II with an emphasis on aural recognition of the elements of early 19th-century music, and coordination of gestural conducting elements. Lab fee.
Prerequisites: MUSI 121 and MUSP 136 with a grade of C or better; concurrent registration MUSI 221.
Offered: Fall.

MUSP 240 | Sound Production I | 2 cr
Explores basics of sound production including recording, engineering, and production.
Prerequisites: Declared major in one of the following areas: music, art, theatre arts, communication or English.
Offered: Yearly.

MUSP 250 | Class Piano III For Music Educators | 2 cr
Playing of three-part scores, vocal and instrumental accompaniments, chorales, more difficult transposition and harmonization; use of pedals. Lab fee
Prerequisites: MUSP 151 with a grade of C or better; or consent of instructor.
Offered: Fall.

MUSP 251 | Class Piano IV For Choral Education | 1 cr
Playing of four-part vocal scores, orchestral scores, harmonization with secondary dominants, more complex progression, modulation, transportation, more difficult piano technique, accompaniments and literature. Lab fee,
Prerequisites: MUSP 250 with a grade of C or better; or consent of instructor.
Offered: Spring.

MUSP 253 | Jazz Piano | 1 cr
Students develop specific chord techniques on the piano that enhance the playing of their primary instruments, enable students to more fully understand the harmonies found in jazz repertoire, reinforce their knowledge of music theory, and provide teaching tools for future jazz educators. Lab fee.
Prerequisites: Music major or minor, MUSP 151 with C or better, consent of instructor.
Offered: Occasionally.

MUSP 271 | Instrumental Techniques and Pedagogy-Brass | 1 cr
Covers theory and practice of playing individual instruments. Includes examination of method books, solo literature, and ensemble repertoire.
Prerequisites: Concurrent enrollment in MUSA secondary applied 100 level, or consent of instructor.
Offered: Occasionally.

MUSP 273 | Instrumental Techniques and Pedagogy-Percussion | 1 cr
Covers theory and practice of playing individual instruments. Includes examination of method books, solo literature, and ensemble repertoire.
Prerequisites: Concurrent enrollment in MUSA secondary applied 100 level, or consent of instructor.
Offered: Occasionally.

MUSP 274 | Instrumental Techniques and Pedagogy-Strings | 1 cr
Covers theory and practice of playing individual instruments. Includes examination of method books, solo literature, and ensemble repertoire.
Prerequisites: Concurrent enrollment in MUSA secondary applied 100 level, or consent of instructor.
Offered: Occasionally.

MUSP 275 | Instrumental Techniques and Pedagogy-Woodwinds | 1 cr
Covers theory and practice of playing individual instruments. Includes examination of method books, solo literature, and ensemble repertoire. Lab fee.
Prerequisites: Concurrent enrollment in MUSA secondary applied 100 level, or consent of instructor.
Offered: Occasionally.

MUSP 276 | Instrumental Techniques and Pedagogy-Guitar | 1 cr
Covers theory and practice of playing individual instruments. Includes examination of method books, solo literature, and ensemble repertoire. . Lab fee.
Prerequisites: Concurrent enrollment in MUSA secondary applied 100 level, or consent of instructor.
Offered: Occasionally.

MUSP 277 | Vocal Techniques | 1 cr
Covers theory and practice of the elements of singing. Includes examination of method books, solo literature, and ensemble repertoire.
Prerequisites: Music major or minor; or consent of instructor.
Offered: Occasionally.

MUSP 323 | Jazz Improvisation II | 1 cr
Improvisation in a small group setting utilizing tunes based on II-V chord progressions with appropriate scale choices.
Prerequisites: MUSP 224.
Offered: Spring.

MUSP 324 | Jazz Improvisation III | 2 cr
Provides opportunity for improvisation in a small group setting using tunes with advanced II-V and chromatic progressions with faster tempos.
Prerequisites: MUSP 323.
Offered: Occasionally.

MUSP 336 | Aural Music Theory IV | 1 cr
Advanced sight singing and aural recognition of the elements of 19th- and 20th-century music, and coordination of gestural conducting elements. Lab fee.
Prerequisites: MUSI 221 and MUSP 236 with a grade of C or better; concurrent registration MUSI 321.
Offered: Spring.

MUSP 340 | Sound Production II | 3 cr
Explores advanced techniques of sound production including recording, engineering and production.
Prerequisites: MUSP 240; declared major in one of the following areas: music, art, theatre arts, communication or English.
Offered: Spring.

MUSP 342 | Conducting | 2 cr
The development of basic manual technique for conducting: beat patterns, expressive gestures, cueing, rehearsal techniques.
Prerequisites: MUSI 221.
Offered: Fall.

MUSP 345 | Instrumental Conducting and Arranging | 3 cr
Covers techniques of instrumental conducting and arranging, including baton technique, score reading and preparation, notational standards, and rehearsal techniques.
Prerequisites: MUSP 342.
Offered: Spring.

MUSP 346 | Choral Conducting and Arranging | 3 cr
Covers choral conducting techniques, including score study and preparation, refinement of oral technique, rehearsal techniques, and basics of choral arranging. Requires supervised and evaluated field experience.
Prerequisites: MUSP 342.
Offered: Spring.

MUSP 350 | Sound Design | 3 cr
Explores the practices and art of sound design across multiple industries and media, including music, theatre, film, podcasting, and others. Covers the design and implementation of sonic art as a way to reinforce narrative and storytelling.
Prerequisites: MUSP 240.
Offered: Fall.

MUSP 353 | Advanced Keyboard Accompanying and Chamber Music Performance | 1 cr
Provides opportunity for vocal and instrumental music for performance including the study of accompanying technique, balance, instrumental color, vocal texts, articulation, style and pedaling. May be repeated for credit.
Prerequisites: MUSP 153.
Offered: Occasionally.

MUSP 360 | Voices of Parkside | 1 cr
Provides opportunity for in-depth study, intensive preparation, and refined performance of a wide range of challenging art, folk and popular literature appropriate for chamber choral ensemble. Requires additional rehearsals, frequent performances, and tours. May be repeated for credit.
Prerequisites: Audition.
Offered: Fall, Spring.

MUSP 361 | Chamber Music: Brass Ensemble | 1 cr
Study and performance of literature for small ensembles. Open to all students. May repeat for credit.
Prerequisites: Audition.
Offered: Fall, Spring.

MUSP 362 | Chamber Music: Classical Guitar Ensemble | 1 cr
Study and performance of literature for small ensembles. Open to all students. May repeat for credit.
Prerequisites: Audition.
Offered: Fall, Spring.

MUSP 363 | Chamber Music: Woodwind Ensemble | 1 cr
Study and performance of literature for small ensembles. Open to all students. May repeat for credit.
Prerequisites: Audition.
Offered: Fall, Spring.

MUSP 364 | Chamber Music: Percussion Ensemble | 1 cr
Study and performance of literature for small ensembles. Open to all students. May repeat for credit.
Prerequisites: Audition.
Offered: Fall, Spring.

MUSP 365 | Chamber Music: String Ensemble | 1 cr
Study and performance of literature for small ensembles. Open to all students. May repeat for credit.
Prerequisites: Audition.
Offered: Fall, Spring.

MUSP 366 | Jazz Combo | 1 cr
Study and performance of appropriate literature for small jazz ensembles. Open to all students. May repeat for credit.
Prerequisites: Audition.
Offered: Fall, Spring.

MUSP 367 | Vocal Jazz Ensemble | 1 cr
Provides opportunity for study and performance of vocal jazz literature in a small ensemble. May be repeated for credit.
Prerequisites: Audition and concurrent enrollment in MUSP 102 (Chorale, Master Singers) or MUSP 360 (Voices of Parkside).
Offered: Occasionally.

MUSP 368 | Contemporary A Cappella Ensemble | 1 cr
Provides opportunity to perform contemporary commercial music. Requires students to arrange popular songs and demonstrate above average skills in singing various genres, sight-reading, harmonizing, as well as an understanding of diatonic harmonic analysis. Requires travel to off campus performances. May be repeated for credit. Course fee.
Prerequisites: Consent of instructor.
Offered: Fall, Spring.

MUSP 369 | Contemporary Commercial Music Ensmble | 1 cr
Provides opportunity to perform popular styles of music from the 20th and 21st Century. Requires travel for performances. May be repeated for credit.
Prerequisites: Consent of Instructor.
Offered: Occasionally.

MUSP 390 | Choral Special Project and Study | 1-5 cr
Engagement in special, one-time choral music projects, such as recordings, major literature preparations, choral education workshops, and domestic and/or international travel. Involves in-depth study, preparation, and participation. Additional fees may apply.
Prerequisites: Audition.
Offered: Occasionally.

MUSP 487 | Musical Theatre Workshop | 1-3 cr
Study, research, preparation and performance of scenes, songs, and dances from musical theatre. May be repeated for credit.
Prerequisites: Audition.
Offered: Occasionally.

MUSP 488 | Opera Theatre Workshop | 1-3 cr
Provides opportunity to perform opera/operetta roles/ensemble in scenes or a complete work, includes behind the scenes opportunities in stage management, stage direction, production crew, or costumes/make-up. May be repeated for credit. Requires field trips and fees.
Prerequisites: Audition.
Offered: Occasionally.

Philosophy (PHIL)

PHIL 101 | Introduction to Philosophy | 3 cr
Introduces philosophical method and typical philosophical issues, such as the existence of God, life after death, freewill, the nature and sources of knowledge and the nature of justice.
Prerequisites: None.
Offered: Fall, Spring, Summer.
Meets: Humanities and the Arts: PHIL, Humanities and the Arts: PHIL, Humanities and the Arts: PHIL, Humanities and the Arts: PHIL, Humanities and the Arts: PHIL

PHIL 102 | Great Thinkers | 3 cr
A survey of the history of philosophical thought in the West from its beginnings to the 20th century, emphasizing its social and political context and its relations to the sciences.
Prerequisites: None.
Offered: Fall.
Meets: Humanities and the Arts: PHIL, Humanities and the Arts: PHIL, Humanities and the Arts: PHIL, Humanities and the Arts: PHIL, Humanities and the Arts: PHIL

PHIL 200 | Topics in the History of Philosophy: | 3 cr
Examination in depth of a selected figure, movement, or issue in the history of philosophy. Original sources in translation are studied. May repeat for credit.
Prerequisites: None.
Offered: Occasionally.

PHIL 201 | Logic | 3 cr
Emphasis on basic skills of critical thinking, in particular the construction and analysis of arguments in everyday life. Formal and informal arguments are investigated.
Prerequisites: None.
Offered: Yearly.

PHIL 203 | Truth, Knowledge and Belief | 3 cr
Covers epistemological topics such as experience and perception, innate knowledge, skepticism and rational belief, and the nature of truth. May repeat once for credit with different topic.
Prerequisites: None.
Offered: Fall (even years).

PHIL 204 | Reason and Reality | 3 cr
Explores metaphysical issues such as free will, cosmology, the nature of reality, space and time, causality, particulars and universals, and humanity's place and meaning in the universe. May be repeated once for credit with different topic.
Prerequisites: None.
Offered: Spring (odd years).

PHIL 205 | Philosophy of Religion | 3 cr
Introduces major philosophical issues in religion, including the existence of God, the supernatural, the problem of evil, life's meaning, faith, reason, religious belief, science and morality and the nature of religious commitment.
Prerequisites: None.
Offered: Fall, Spring, Summer.
Meets: Humanities and the Arts: PHIL, Humanities and the Arts: PHIL, Humanities and the Arts: PHIL, Humanities and the Arts: PHIL, Humanities and the Arts: PHIL

PHIL 206 | Introduction to Ethics | 3 cr
Examines the nature of ethics and its relationship to law and religion. Discusses and appraises typical meta-ethical challenges to the possibility of ethics, such as relativism, subjectivism, positivism, naturalism, and egoism. Examines the most important normative ethical systems: virtue ethics, deontology, and utilitarianism, with particular emphasis on the work of Aristotle, Mill and Kant.
Prerequisites: None.
Offered: Fall, Spring.
Meets: Humanities and the Arts: PHIL, Humanities and the Arts: PHIL, Humanities and the Arts: PHIL, Humanities and the Arts: PHIL, Humanities and the Arts: PHIL

PHIL 207 | Classical Political Philosophy | 3 cr
The works of the classical Greek political philosophers, Thucydides, Plato and Aristotle. Cross-listed with: POLS 207.
Prerequisites: One of the following: POLS 105, PHIL 101, HIST 118.
Offered: Occasionally.

PHIL 212 | Philosophy of Science | 3 cr
Explores topics as the nature of scientific methods and theories; explanation, prediction, confirmation, and reduction; the relations among the sciences, culture, and values; and science versus pseudoscience. May be repeated once for credit with different topic.
Prerequisites: None.
Offered: Occasionally.

PHIL 213 | Aesthetics | 3 cr
Objectivity and criteria of art criticism, the nature of aesthetic experience, and nature of art. May be repeated once under different topics by consent of department chair.
Prerequisites: None.
Offered: Occasionally.

PHIL 215 | Contemporary Moral Problems | 3 cr
Discussion of contemporary moral problems and related theoretical issues, focusing on such issues as sexual morality, punishment, abortion, racism, sexism, warfare and civil disobedience. Community-based learning designation.
Prerequisites: None.
Offered: Yearly.
Meets: Humanities and the Arts: PHIL, Community Based Learning, Humanities and the Arts: PHIL, Community Based Learning, Humanities and the Arts: PHIL, Community Based Learning, Humanities and the Arts: PHIL, Community Based Learning, Humanities and the Arts: PHIL, Community Based Learning

PHIL 255 | Topics in Continental Thought | 3 cr
Introduces some major thinkers and movements of contemporary Continental philosophy, including the work of Friedrich Nietzsche, Martin Heidegger, Michel Foucault and Jacques Derrida. Examines many current misconceptions about topics including reason, morality, historical relativity, artificial intelligence, the criminal justice system, modern terrorism.
Prerequisites: None.
Offered: Occasionally.

PHIL 260 | History of Philosophy: Ancient | 3 cr
An examination of the philosophy of the Pre-Socratics, Socrates, Plato, Aristotle, the Stoics and Epicureans, Skeptics and Cynics, and the Neoplatonists. Not open to students with credit in PHIL 360.
Prerequisites: None.
Offered: Fall.

PHIL 261 | History of Philosophy: Early Modern | 3 cr
An examination of the philosophy of Descartes, Spinoza, Leibniz, Locke, Berkeley, Hume and Kant, and their contemporaries. Not open to students with credit in PHIL 361.
Prerequisites: None.

PHIL 275 | Techniques of Philosophical Research | 3 cr
Examines scholarly research as well as techniques for the development and assessment of philosophical arguments and positions. PHIL 201 recommended.
Prerequisites: One philosophy course and concurrently enrolled in a second philosophy course; or POLS 116 or POLS 209 or POLS 310 or POLS 320.
Offered: Occasionally.

PHIL 290 | Special Topics in Philosophy | 1-4 cr
Selected topics in philosophy will be examined.
Prerequisites: None.
Offered: Yearly.

PHIL 302 | Topics in the History of Philosophy | 3 cr
Examination in depth of a selected figure, movement, or issue in the history of philosophy. Original sources in translation are studied. Research paper required. May repeat for credit.
Prerequisites: One PHIL course or consent of instructor.

PHIL 303 | Set Theory, Logic and Proof | 4 cr
Examines elementary propositional and predicate logic; language and axioms of set theory; operations on sets; well-orderings, ordinals, transfinite induction and recursion; cardinals; the axiom of choice; combinatorics; reading and writing of proofs in mathematics.
Cross-listed with: MATH 303.
Prerequisites: MATH 222; or PHIL 201 and consent of instructor.
Offered: Fall.

PHIL 305 | Philosophical Analysis | 3 cr
Examines topics in epistemology, philosophical logic, philosophy of language, and/or philosophic method. May repeat once with different topic.
Prerequisites: PHIL 201 or PHIL 203.
Offered: Fall (even years).

PHIL 306 | Modern Political Philosophy | 3 cr
The works of modern political thinkers such as Machiavelli, Hobbes, Locke, Rousseau, Mill, Hegel, Marx and Nietzsche. Cross-listed with: POLS 306.
Prerequisites: One of the following: POLS 105, PHIL 101, HIST 119, HIST 120.

PHIL 307 | Contemporary Political Thought | 3 cr
Examines contemporary philosophical works including themes of the meaning of equality, liberty, autonomy, gender, race and community in contemporary society. Cross-listed with: POLS 307.
Prerequisites: One political science or philosophy course.
Offered: Occasionally.

PHIL 312 | Philosophy of Science | 3 cr
Examines topics such as the nature of scientific methods and theories; explanation, prediction, confirmation, and reduction; the relations among the sciences, culture, and values; and science versus pseudoscience. May be repeated once for credit with different topic.
Prerequisites: None.
Offered: Occasionally.

PHIL 315 | Metaphysics | 3 cr
Examines topics relating to the fundamental nature of reality and of the human condition (e.g., freewill, mind/body, the meaning of life, etc.). May be repeated once for credit with different topic.
Prerequisites: PHIL 204 or PHIL 205 or consent of instructor.
Offered: Spring (odd years).

PHIL 320 | Value Theory | 3 cr
Examines topics in moral theory or political theory or special issues such as relativism, science and morality, liberalism, Marxism, fascism, sexism, and human rights. May be repeated for credit with different content.
Prerequisites: PHIL 206 or consent of instructor.
Offered: Occasionally.

PHIL 321 | Politics, Law, and Society | 3 cr
Examines how law and politics interact with personal and social identity, including race, gender, and class. Cross-listed with: POLS 321.
Prerequisites: None.
Offered: Occasionally.

PHIL 325 | Social Philosophy | 3 cr

PHIL 328 | Ethics in the Criminal Justice System | 3 cr
An examination of ethical issues arising in connection with criminal justice in particular, punishment, legal and police ethics, and the justice of institutions associated with criminal justice.
Prerequisites: One course in PHIL, CRMJ 101, or consent of instructor.

PHIL 330 | Philosophy of Human Science | 3 cr

PHIL 331 | Philosophy of Popular Culture | 3 cr
Examines topics in popular culture such as the philosophy of film, the philosophy of sex and love, and the philosophy of zombies and vampires. May be repeated for credit with different topic.
Prerequisites: Sophomore standing.
Offered: Fall, Spring.

PHIL 340 | Bioethics | 3 cr
Examines moral conflicts that arise in the various fields associated with human biology. Analyze issues that physicians, patients, and policymakers confront in the provision of health care, the pursuit of medical research, and the allocation of finite health resources.
Prerequisites: Sophomore standing or above.
Offered: Occasionally.

PHIL 341 | Business Ethics | 3 cr
Examines business from the perspective of ethics and morals. Covers topics such as: environmentalism, financial incentives, affirmative action, globalization, conflicts of interests, and whistle-blowing.
Prerequisites: Sophomore standing.
Offered: Occasionally.

PHIL 342 | Environmental Ethics | 3 cr
Introduces the central questions of ethics as they relate to the environment and environmental issues.
Prerequisites: None.
Offered: Occasionally.

PHIL 355 | Topics in Continental Thought | 3 cr
Introduces major thinkers and movements of contemporary Continental philosophy. Focuses on the work of Friedrich Nietzsch, Martin Heidegger, Michel Foucault and Jacques Derrida.
Prerequisites: None.
Offered: Occasionally.

PHIL 360 | History of Philosophy: Ancient | 3 cr
An examination of the philosophy of the Pre-Socratics, Socrates, Plato, Aristotle, the Stoics and Epicureans, Skeptics and Cynics, and the Neoplatonists. Research paper required.
Prerequisites: One philosophy course or consent of instructor; Not open to students with credit in PHIL 260.

PHIL 361 | History of Philosophy: Early Modern | 3 cr
An examination of the philosophy of Descartes, Spinoza, Leibniz, Locke, Berkeley, Hume and Kant, and their contemporaries. A research paper will be required. Not open to students with credit in PHIL 261.
Prerequisites: One philosophy course or consent of instructor.
Offered: Spring.

PHIL 490 | Special Topics in Philosophy | 1-4 cr
Selected topics in philosophy will be examined.
Prerequisites: 6 credits in philosophy or consent of instructor.
Offered: Occasionally.

PHIL 494 | Internship in Philosophy | 1-12 cr
Provides opportunities to serve as intern in a relevant organization to incorporate critical thinking and analysis. Increases awareness of the role of philosophy in public life.
Prerequisites: One philosophy course; junior standing; consent of instructor and department chair.
Offered: Fall, Spring, Summer.

PHIL 499 | Independent Study | 1-5 cr
Topics individually arranged.
Prerequisites: Consent of instructor and department chair.
Offered: Occasionally.

Physical Education Activity (PE)

PE 100 | Badminton | 1 cr
Introduces basic skills, rules, proper court position and conditioning.
Prerequisites: None.
Offered: Occasionally.

PE 101 | Baseball | 1 cr
Introduces fundamental skills and the elements of position play.
Prerequisites: None.
Offered: Occasionally.

PE 102 | Basketball | 1 cr
Provides practical experience in fundamentals and team play.
Prerequisites: None.
Offered: Occasionally.

PE 103 | Disc Golf | 1 cr
Introduces the knowledge and skills needed to play disc golf including the rules for playing at a competitive level.
Prerequisites: None.
Offered: Occasionally.

PE 104 | Football | 1 cr
Provides experience in fundamentals of football and team play.
Prerequisites: None.
Offered: Occasionally.

PE 105 | Futsal | 1 cr
Introduces the knowledge and skills needed to play Futsal including the rules and skills necessary to play the game.
Prerequisites: None.
Offered: Occasionally.

PE 106 | Golf | 1 cr
Introduces fundamentals of golf: grip, stance, swing, rules and etiquette. Provides practice with all clubs emphasizing fundamental mechanics and the opportunity to develop skills on local golf courses.
Prerequisites: None.
Offered: Occasionally.

PE 107 | Pickleball | 1 cr
Introduces the knowledge and skills needed to play pickleball including the rules necessary to play singles and doubles.
Prerequisites: None.
Offered: Occasionally.

PE 108 | Recreation Games | 1 cr
Provides knowledge on how to play and organize a number of recreational games/activities. Covers rules and setting up the equipment for three-six different playground or backyard style games, including different ways to pick teams and set up multiple types of tournaments.
Prerequisites: None.
Offered: Occasionally.

PE 109 | Soccer | 1 cr
Provides practice with basic principles of soccer skills, team play and game situations.
Prerequisites: None.
Offered: Occasionally.

PE 110 | Softball | 1 cr
Covers fundamentals of softball including position play and offensive and defensive team play.
Prerequisites: None.
Offered: Occasionally.

PE 111 | Track and Field | 1 cr
Covers fundamentals of track and field events.
Prerequisites: None.
Offered: Occasionally.

PE 112 | Volleyball | 1 cr
Covers fundamentals of volleyball technique, elements of attack and defense, rules interpretation, game strategy, officiating and skill testing.
Prerequisites: None.
Offered: Occasionally.

PE 120 | Relaxation | 1 cr
Covers relaxation techniques including deep breathing, meditation, imagery and progressive relaxation. Provides tools to recognize stressors and their effects.
Prerequisites: None.
Offered: Occasionally.

PE 121 | Pilates and Fitness Yoga | 1 cr
Covers pilates using a series of floor exercises to increase strength, flexibility, balance, stamina, and concentration while focusing on your center or core. Explores fitness yoga as a program for a more powerful defined physique using traditional yoga asanas geared towards the athlete and fitness enthusiast.
Prerequisites: None.
Offered: Occasionally.

PE 122 | Yoga I | 1 cr
Covers various yoga disciplines emphasizing total health.
Prerequisites: None.
Offered: Occasionally.

PE 123 | Yoga II | 1 cr
Examines fundamental yoga philosophy through lecture physical exercises (asanas) involving both psychological and physiological processes. Provides opportunity to gain a deeper understanding of the principles of relaxation.
Prerequisites: PE 122 or consent of instructor.
Offered: Occasionally.

PE 124 | Aerobics | 1 cr
Focuses on aerobic dance, exercise theory and techniques.
Prerequisites: None.
Offered: Occasionally.

PE 125 | Step Aerobics | 1 cr
Introduces basic step aerobics fundamentals and medium impact levels of cardiovascular development.
Prerequisites: None.
Offered: Occasionally.

PE 126 | Total Body Conditioning | 1 cr
Provides an upbeat muscular endurance session using dumbbells, resistance bands, steps and exercise balls, focusing on the major muscle groups. Emphasizes physiological strength, balance, and flexibility.
Prerequisites: None.
Offered: Occasionally.

PE 130 | Karate I | 1 cr
Introduces fundamentals of basic karate techniques. Emphasizes proper overall organization of hand and foot techniques, stances, posture, and physical principles of power.
Prerequisites: None.
Offered: Occasionally.

PE 131 | Karate II | 1 cr
Provides intermediate study in the art of self-defense. Introduces defense against an assailant and concentrated study of prearranged formal exercises.
Prerequisites: PE 130 or consent of instructor.
Offered: Occasionally.

PE 132 | Karate III | 1 cr
Provides advanced study in the art of self-defense, including defense against attacks with a weapon and multiple assailants.
Prerequisites: PE 131 or consent of instructor.
Offered: Occasionally.

PE 133 | Self-Defense | 1 cr
Emphasizes simple, but effective techniques to survive an aggressive situation.
Prerequisites: None.
Offered: Occasionally.

PE 140 | Jogging for Fun and Fitness | 1 cr
Covers proper running techniques,setting up a personal fitness plan, assessing one's cardiovascular fitness, and safety issues related to running. May be repeated for a maximum of four credits.
Prerequisites: None.
Offered: Occasionally.

PE 141 | Aerobic Walking | 1 cr
Introduces and develops proper aerobic walking techniques and benefits of walking. May be repeated for a maximum of 4 credits.
Prerequisites: None.
Offered: Occasionally.

PE 150 | Weight Training | 1 cr
Introduces elementary weight training and a general program of the basic lifts, the muscle groups affected by these lifts, safety procedures and theory of weight training.
Prerequisites: None.
Offered: Occasionally.

PE 151 | Power Lifting | 1 cr
Explores the theory, knowledge and practical application of powerlifting and other power movements using techniques and progressions to achieve personal fitness goals.
Prerequisites: None.
Offered: Occasionally.

PE 152 | Kettlebell Conditioning | 1 cr
Introduces vigorous physical conditioning primarily utilizing kettlebells. Emphasizes exercises to enhance muscular strength, power, endurance and agility.
Offered: Occasionally.

PE 153 | Olympic-Style Weightlifting | 1 cr
Explores the theory, knowledge and practical experience of olympic weightlifting using advanced techniques and progressions to achieve personal fitness goals.
Prerequisites: None.
Offered: Occasionally.

PE 160 | Cross Training | 1 cr
Develops power and quickness for the athlete who participates in serious recreational leagues and amateur sports competition; combining plyometrics, agility and speed training.
Prerequisites: None.
Offered: Occasionally.

PE 161 | Speed, Power, and Agility Training | 1 cr
Examines the basics of speed, power, strength, plyometric and agility training. Develops techniques necessary for safety and reducing the risk of injury in creating a training program.
Prerequisites: None.
Offered: Occasionally.

PE 170 | Fitness for Life | 1 cr
Provides the opportunity for students to implement a personal fitness program using the Wellness and Strength/Conditioning Centers on campus. May be repeated for a maximum of 4 credits.
Prerequisites: HLTH 270.
Offered: Occasionally.

PE 174 | Ballet I | 1 cr
Introduces basic technique, terminology, and history of ballet. May be repeated for a maximum of three credits. Cross-listed with: THEA 174.
Prerequisites: Consent of instructor.
Offered: Occasionally.

PE 175 | Tap Dance I | 1 cr
Introduces fundamental skills of American tap dance through movement, choreography, and the examination of dance history. Cross-listed with: THEA 175.
Prerequisites: Consent of instructor.
Offered: Occasionally.

PE 176 | Jazz Dance I | 1 cr
Introduces concepts of jazz dance through movement, choreography, and history. May be repeated for a maximum of three credits. Cross-listed with: THEA 176.
Prerequisites: Consent of instructor.
Offered: Occasionally.

PE 177 | Musical Theatre Dance I | 1 cr
Explores the role of dance in musical theatre through both performance and research. May be repeated for a maximum of three credits. Cross-listed with: THEA 177.
Prerequisites: Consent of instructor.
Offered: Occasionally.

PE 178 | Modern Dance I | 1 cr
Introduces the fundamental skills of modern dance through movement, choreography, and the examination of dance history. May be repeated for a maximum of three credits. Cross-listed with: THEA 178.
Prerequisites: Consent of instructor.
Offered: Occasionally.

PE 179 | Hip-Hop Dance I | 1 cr
Introduces elements of hip-hop dance, including technique, movement, musical rhythm, tempo, and phrasing. May be repeated for a maximum of three credits. Cross-listed with: THEA 179.
Prerequisites: Consent of instructor.
Offered: Occasionally.

PE 180 | Zumba | 1 cr
Introduces the Zumba fitness program.
Prerequisites: None.
Offered: Occasionally.

PE 181 | Sports Games | 1 cr
Explores sports-focused e-sports games. Covers different games each semester. May be repeated for credit with a different topic for a maximum of 8 credits.
Prerequisites: None.
Offered: Yearly.

PE 182 | Tactical Games | 1 cr
Explores tactics-focused e-sports games. Covers different games each semester. May be repeated for credit with a different topic for a maximum of 8 credits.
Prerequisites: None.
Offered: Yearly.

PE 183 | Action Games | 1 cr
Explores action-focused e-sports games. Covers different games each semester. May be repeated for credit with a different topic for a maximum of 8 credits.
Prerequisites: None.
Offered: Yearly.

PE 190 | Special Topics in Physical Education Activity | 1 cr
Examines selected activity-related topics.
Prerequisites: None.
Offered: Occasionally.

PE 200 | Fundamentals of Coaching | 3 cr
Introduces general techniques and responsibilities necessary for success in athletic coaching.
Prerequisites: None.
Offered: Yearly.

PE 210 | Fundamentals of Sports Officiating | 3 cr
Introduces general techniques and responsibilities related to athletic officiating in a variety of sports.
Prerequisites: None.
Offered: Occasionally.

PE 274 | Ballet II | 1 cr
Emphasizes intermediate/advanced ballet technique and the application of movement principles essential to the training of the dancer. May be repeated for a maximum of three credits. Cross-listed with: THEA 274.
Prerequisites: Consent of instructor.
Offered: Occasionally.

PE 275 | Tap Dance II | 1 cr
Focuses on intermediate and advanced tap steps through exercises, choreography, and discussions. May be repeated for a maximum of three credits. Cross-listed with: THEA 275.
Prerequisites: Consent of instructor.
Offered: Occasionally.

PE 276 | Jazz Dance II | 1 cr
Focuses on advanced styles and techniques in jazz dance through movement and choreography. May be repeated for a maximum of three credits. Cross-listed with: THEA 276.
Prerequisites: Consent of instructor.
Offered: Occasionally.

PE 277 | Musical Theatre Dance II | 1 cr
Focuses on choreographed dance combinations from the musical theatre canon to prepare for professional auditions. May be repeated for a maximum of three credits. Cross-listed with: THEA 277.
Prerequisites: Consent of instructor.
Offered: Occasionally.

PE 278 | Modern Dance II | 1 cr
Introduces advanced skills of modern dance through movement and choreography, and examines dance history. May be repeated for a maximum of three credits. Cross-listed with: THEA 278.
Prerequisites: Consent of instructor.
Offered: Occasionally.

PE 279 | Hip-Hop Dance II | 1 cr
Focuses on advanced footwork, techniques, and combinations. Emphasizes both technical skills and the geo-political importance of hip-hop. May be repeated for a maximum of three credits. Cross-listed with: THEA 279.
Prerequisites: Consent of instructor.
Offered: Occasionally.

PE 301 | Sport Conditioning Practice Design | 3 cr
Explores aerobic and anaerobic conditioning principles and techniques for developing agility, strength, quickness. Includes practice design for peak performance and labs for basic resistance training, speed and agility techniques.
Prerequisites: None.
Offered: Yearly.

PE 305 | Coaching Individual and Team Sports | 3 cr
Explores techniques necessary to organize, administer, and teach both individual and team sports. Includes individual, small group, team, technical and tactical performance skills at various levels of competition.
Prerequisites: None.
Offered: Occasionally.

PE 315 | Adapted Physical Education | 3 cr
Provides knowledge related to handicapping conditions and their effects on motor development and the performance of motor activities. Includes types of conditions considered orthopedic handicaps, learning disabilities, cardio-respiratory disorders, behavioral disorders, sensory impairments, and other temporary and permanent handicapping conditions.
Prerequisites: None.
Offered: Yearly.

PE 325 | PE Methods and Curriculum Planning for Children | 3 cr
Covers how to develop competencies in teaching motor skills, social skills, and fitness through games, sports, and movement experiences. Includes organization of teaching units, classroom management, and selection of methods and materials for pre-school through middle school grade levels.
Prerequisites: None.
Offered: Yearly.

PE 335 | PE Methods and Curriculum Planning for Adolescents | 3 cr
Covers how to develop competencies in teaching motor skills, social skills, and fitness through games, sports, and movement experiences. Includes organization of teaching units, classroom management, and selection of methods and materials for secondary school.
Prerequisites: None.
Offered: Yearly.

PE 490 | Special Topics in Physical Education Activity | 1-3 cr
Examines advanced sport activity related topics.
Prerequisites: None.
Offered: Occasionally.

PE 491 | Varsity Field Experience | 1 cr
Provides the opportunity for advanced training through participation in the varsity athletic program. May be repeated for a maximum of four credits.
Prerequisites: Open to all students by tryout; consent of instructor.
Offered: Fall, Spring.

PE 493 | Coaching Practicum | 1 cr
Provides the opportunity to apply methods and techniques in the coaching profession. May be repeated for a maximum of four credits.
Prerequisites: PE 200; approval of advisor and department chair.
Offered: Yearly.

Physics (PHYS)

PHYS 101 | Principles of Physics | 4 cr
A one-semester introduction to fundamental principles of physics, their experimental basis, and applications. For students who need an introductory course in physics. Not open to students with credit in PHYS 105 or 201. Three-hour lecture/demo; one-hour discussion.
Prerequisites: Completion of computational skills requirement or equivalent.
Offered: Fall, Spring.
Meets: Natural Science: PHYS, Natural Science: PHYS, Natural Science: PHYS, Natural Science: PHYS, Natural Science: PHYS

PHYS 105 | College Physics I | 5 cr
Mechanics, heat, and sound. Not recommended for students majoring in physical science or engineering. Not open to students with credit in PHYS 201. Three-hour lecture; one-hour discussion; three-hour lab. Enrollment in Lecture, Discussion, and a Lab required.
Prerequisites: MATH 113, MATH 114 or equivalent.
Offered: Fall.
Meets: Natural Science: PHYS, Natural Science: PHYS, Natural Science: PHYS, Natural Science: PHYS, Natural Science: PHYS

PHYS 106 | College Physics II | 5 cr
Electricity and magnetism, light and modern physics. Not open to students with credit in PHYS 202. Three-hour lecture; one-hour discussion; three-hour lab.
Prerequisites: PHYS 105.
Offered: Spring.

PHYS 110 | Introduction to Astronomy | 3 cr
Explores astronomy for non-scientists with limited mathematics. Introduces the celestial sphere, constellations, and planets. Investigates topics such as solar system objects, cosmic distance scale, exoplanets, stellar evolution, galactic structure, and cosmology. Three-hour lecture.
Prerequisites: None.
Offered: Occasionally.
Meets: Natural Science: PHYS, Natural Science: PHYS, Natural Science: PHYS, Natural Science: PHYS, Natural Science: PHYS

PHYS 120 | Astronomy of Native America | 3 cr
Examines the astronomical views of Native Americans and looks at how mythos, science and discrimination intersect. Evaluates current cultural conflicts between science and native groups. Draws additional examples of the cultural development of astronomy and science from the Americas, Africa, Oceania, and Asia. Community-based learning designation. Cross-listed with: ETHN 120.
Prerequisites: None.
Offered: Fall, Spring.
Meets: Natural Science: PHYS, Ethnic Diversity, Community Based Learning, Natural Science: PHYS, Ethnic Diversity, Community Based Learning, Natural Science: PHYS, Ethnic Diversity, Community Based Learning, Natural Science: PHYS, Ethnic Diversity, Community Based Learning, Natural Science: PHYS, Ethnic Diversity, Community Based Learning

PHYS 150 | Physics of Music | 3 cr
An introduction to the basic physical principles underlying music and musical instruments. Not for credit towards Physics major.
Prerequisites: None.
Offered: Fall.
Meets: Natural Science: PHYS, Natural Science: PHYS, Natural Science: PHYS, Natural Science: PHYS, Natural Science: PHYS

PHYS 201 | General Physics I | 5 cr
Investigates mechanics, heat, and sound. For physical science and engineering majors. Enrollment in Three-hour lecture; one-hour discussion; three-hour lab required.
Prerequisites: MATH 221 with C or higher or concurrent registration.
Offered: Fall, Spring.
Meets: Natural Science: PHYS, Natural Science: PHYS, Natural Science: PHYS, Natural Science: PHYS, Natural Science: PHYS

PHYS 202 | General Physics II | 5 cr
Investigates electricity and magnetism, geometrical optics, and physical optics. For physical science and engineering majors. Enrollment in Three hour lecture; one-hour discussion; three-hour lab required.
Prerequisites: PHYS 201; MATH 222 or concurrent registration.
Offered: Fall, Spring.

PHYS 205 | Modern Physics | 3 cr
Special relativity. Elements of quantum mechanics. Introduction to atomic, molecular, solid state, nuclear, and particle physics. Three-hour lecture.
Prerequisites: PHYS 202.
Offered: Fall.

PHYS 213 | Thermodynamics | 3 cr

PHYS 241 | Scientific Programming | 3 cr
Studies programming in MATLAB and another high-level language, such as Python, with applications to science and engineering.
Prerequisites: PHYS 201; MATH 221 or consent of instructor.
Offered: Spring.

PHYS 290 | Special Topics in Physics | 1-4 cr
Special topics in physics will be examined.
Prerequisites: Consent of instructor.
Offered: Occasionally.

PHYS 295 | Physics Research Seminar I | 1 cr
Introduces students to branches and interdisciplinary fields of physics; experimental, theoretical, and computational. Emphasizes the breadth of applicability of physics as well as current areas of interest, through note-taking, discussions, and other resources. Leads to individual student oral presentation on physics topic of choice.
Prerequisites: PHYS 202 or concurrent enrollment; or consent of instructor.
Offered: Fall.

PHYS 297 | Physics Research Seminar II | 1 cr
Second research seminar course. Introduces students to branches and interdisciplinary fields of physics; experimental, theoretical, and computational. Emphasizes the breadth of applicability of physics as well as current areas of interest, through note-taking, discussions, and other resources. Leads to individual student written presentation on physics topic of choice.
Prerequisites: PHYS 202 or concurrent enrollment; or consent of instructor.
Offered: Spring.

PHYS 301 | Classical Mechanics | 4 cr
Vector analysis, conservation laws, planetary motion, rigid body dynamics, free and forced oscillations, normal coordinates, moving coordinate systems, generalized coordinates, Lagrangian and Hamiltonian formulations. Continuum mechanics. Four-hour lecture.
Prerequisites: PHYS 201 and PHYS 202 with a grade of C or better; MATH 317, or concurrent registration or consent of instructor.
Offered: Fall (even years).

PHYS 302 | Electricity and Magnetism | 4 cr
Examines electrostatics, magnetostatics, and electromagnetic fields through Maxwell's equations with basic applications. Includes radiation, Lienard-Wiechert potentials, sources of radiation, antenna theory, scalar diffraction theory and wave optics for transparent or conductive media. Four-hour lecture.
Prerequisites: PHYS 201 and PHYS 202 with grades of C or better; MATH 317 or concurrent registration; or consent of instructor.
Offered: Spring.

PHYS 303 | Computational Physics | 3 cr
Introduces computational physics with applications to classical mechanics, electromagnetism, and quantum mechanics. Monte Carlo methods. Introduction to molecular dynamics. Three-hour lecture.
Prerequisites: PHYS 201 and PHYS 202 with a grade of C or better; PHYS 205; MATH 223, PHYS 241, or consent of instructor.
Offered: Spring.

PHYS 306 | Advanced Experiments in Physics | 3 cr
Covers advanced experiments in optics, atomic, molecular, solid state, and nuclear physics. Analog electronics through transistors and op-amps. Basic digital electronics. Six-hour lab.
Prerequisites: PHYS 201 and 202 with a grade of C or better; PHYS 205.
Offered: Spring (odd years).

PHYS 401 | Mathematical Methods of Physics | 3 cr
Applies mathematical methods to physical sciences with emphasis on physics. Covers a wide range of mathematical methods, including vector and tensor analysis and coordinate transformations, complex variables, Fourier series and integral transforms, Sturm-Liouville systems and orthogonal functions, partial differential equations, calculus of variations, and probability and statistics.
Prerequisites: MATH 223 and 317.
Offered: Fall (even years).

PHYS 403 | Thermodynamics | 3 cr
Examines laws of thermodynamics, and equations of state and state variables to describe thermodynamic systems at or near equilibrium. Covers Legendre transformations and thermodynamic potentials, Maxwell relations, and phase transformations. Investigates applications of thermodynamics such as heat engines, refrigerators, and liquefaction of gases under extreme conditions.
Prerequisites: PHYS 201, PHYS 202 with grades of C or better; MATH 223, MATH 317.
Offered: Spring.

PHYS 413 | Statistical Mechanics | 3 cr
Delves into classical and quantum statistical mechanics: Maxwell-Boltzmann speed distribution, partition functions, statistical ensembles, black body radiation, Debye theory of solids, Fermi and Bose gases, and the Ising model.
Prerequisites: PHYS 403 or consent of instructor.
Offered: Fall.

PHYS 441 | Quantum Physics | 4 cr
Explores quantum mechanics, free particle in wave mechanics, particles in one-dimensional potentials, axiomatic foundations of quantum mechanics, the evolution of states in time, particles in three dimensions, angular momentum, central potentials. Introduces the concept of spin and the exclusion principle, and the Dirac equation with its associated henomenology. Four-hour lecture.
Prerequisites: PHYS 201 and PHYS 202 with grades of C or better; PHYS 205; MATH 301 and MATH 317 or MATH 401; or consent of instructor.
Offered: Spring (odd years).

PHYS 490 | Special Topics in Physics | 1-4 cr
Examines special topics in physics.
Prerequisites: PHYS 201 and PHYS 202 with grades of C or better and consent of instructor.
Offered: Occasionally.

PHYS 494 | Internship in Physics | 1-3 cr
Work in a physics-related position under joint supervision of a physics faculty and a member of the sponsoring public or private organization. Consent of instructor and department chair.
Prerequisites: PHYS 201 and PHYS 202 with C or better in each; GPA of 2.5 or higher.
Offered: Fall, Spring, Summer.

PHYS 495 | Senior Seminar | 2 cr
Provides opportunity for a directed study of a current topic in physics.
Prerequisites: PHYS 201 and PHYS 202 with C or better in both; junior or senior standing.
Offered: Fall, Spring.

PHYS 497 | Senior Thesis | 1-2 cr
Investigates advanced topics in physics.
Prerequisites: PHYS 201 and PHYS 202 with C or better; and consent of instructor.
Offered: Occasionally.

PHYS 499 | Independent Study | 1-3 cr
Investigates advanced topics in physics.
Prerequisites: PHYS 201 and PHYS 202 with C or better; consent of instructor and department chair.
Offered: Occasionally.

Political Science (POLS)

POLS 100 | American Politics | 3 cr
Examines institutions, processes and dynamics of the American governmental system emphasizing problems of policy making in a pluralistic democratic system.
Prerequisites: None.
Offered: Fall, Spring, Summer.
Meets: Social & Behavioral Science: POLS, Social & Behavioral Science: POLS, Social & Behavioral Science: POLS, Social & Behavioral Science: POLS, Social & Behavioral Science: POLS

POLS 103 | Introduction to Comparative Politics | 3 cr
Explores questions such as the role of the state, electoral systems and issues such the separation of Church and State, terrorism, war and security, human rights and nationalism through qualitative and quantitative analysis. Examines why some developed democracies have extensive welfare states.
Prerequisites: None.
Offered: Fall, Spring, Summer.
Meets: Social & Behavioral Science: POLS, Social & Behavioral Science: POLS, Social & Behavioral Science: POLS, Social & Behavioral Science: POLS, Social & Behavioral Science: POLS

POLS 104 | Introduction to International Relations | 3 cr
Conceptual and theoretical tools for interpreting world politics and navigation the international system. Basic foreign policy analysis, key actors in the international system and a special focus on the United Nations. European Union, International Monetary Fund, and World Bank.
Prerequisites: None.
Offered: Fall.
Meets: Social & Behavioral Science: POLS, Social & Behavioral Science: POLS, Social & Behavioral Science: POLS, Social & Behavioral Science: POLS, Social & Behavioral Science: POLS

POLS 105 | Introduction to Politics | 3 cr
Provides a general introductions to politics, including basic concepts such as power, authority, legitimacy, types of political systems, approaches to the study of politics, and challenges common to all political systems.
Prerequisites: None.
Offered: Fall, Spring.
Meets: Social & Behavioral Science: POLS, Social & Behavioral Science: POLS, Social & Behavioral Science: POLS, Social & Behavioral Science: POLS, Social & Behavioral Science: POLS

POLS 116 | Introduction to Law | 3 cr
Utilizing the case approach, students will analyze the structure of the legal system and the process of judicial decision making. Students will also be introduced to substantive areas of common law.
Prerequisites: None.
Offered: Yearly.
Meets: Social & Behavioral Science: POLS, Social & Behavioral Science: POLS, Social & Behavioral Science: POLS, Social & Behavioral Science: POLS, Social & Behavioral Science: POLS

POLS 130 | State and Local Politics | 3 cr
Comparative analysis of state and local governments in the United States, and their relationships with the federal government. Focus on organization, structure, function, and administration of state and local government, addressing issues such as education, criminal justice, economic development and social services. It also examines the various roles of political leaders and interest groups at the state and local levels with a special emphasis on Wisconsin politics and government. Recommended for Teacher Education students.
Prerequisites: None.
Offered: Fall.

POLS 200 | Research Methods and Sources | 4 cr
Covers methods, philosophy and sources of political science research.
Prerequisites: None.
Offered: Yearly.

POLS 202 | Public Policy | 3 cr
Explores the processes, problems, methods and issues involved in the formulation of public policies. Emphasizes policy formation at the national, state and local levels. Employs case studies.
Prerequisites: POLS 100.
Offered: Yearly.

POLS 203 | Women, Power and Politics | 3 cr
Examines the environmental, systematic and political variables that define the existing and potential political position of women in a variety of international cultures. Cross-listed with: WGSS 203.
Prerequisites: None.
Offered: Occasionally.

POLS 206 | Applied Statistics Research | 3 cr

POLS 207 | Classical Political Philosophy | 3 cr
The works of the classical Greek political philosophers, Thucydides, Plato and Aristotle. Cross-listed with: PHIL 207.
Prerequisites: One of the following: POLS 105, PHIL 101, HIST 118.
Offered: Occasionally.

POLS 214 | Executive and Legislative Politics | 3 cr
Examines two of the three branches of government; investigates them in isolation and look at their origins, their structural evolution, and the sources of their power. Explores how their interaction results in policy making at the federal level.
Prerequisites: POLS 100.
Offered: Occasionally.

POLS 217 | Tactical Decision Making | 3 cr
Examines tactical decision making from both a rational and cognitive-bureaucratic perspective. Multi-career cross-listing: MAPS 517.
Prerequisites: None.
Offered: Fall (even years).

POLS 224 | American Foreign Policy | 3 cr
Formulation and implementation of foreign policy in the United States. Relationship of American foreign policy to its domestic foundations and to the larger international system.
Prerequisites: One POLS course or junior standing.
Offered: Occasionally.

POLS 231 | State and Local Government and Politics | 3 cr
Provides an overview of state and local political institutions, including state constitutions, structural organization, relationships between legislative, executive, and judicial branches, and intergovernmental relations at state and local levels. Delves into contentious public policy areas such as safety and environmental regulations, unionization, and economic development planning.
Prerequisites: POLS 100 or consent of instructor.
Offered: Occasionally.

POLS 290 | Special Topics in Political Science | 1-3 cr
Selected topics in political science. May be repeated for credit with a different topic.
Prerequisites: Varies by topic.
Offered: Occasionally.

POLS 302 | Environmental Policy | 3 cr
Surveys the political and social aspects of environmental policy making and how different political decision-making structures respond to various environmental issues. Community-based learning designation.
Prerequisites: POLS 202.
Offered: Occasionally.
Meets: Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning

POLS 303 | Science Fiction and Politics | 3 cr
Exploration of current political and social issues using works of science fiction. Topics include individualism, collectivism, democracy, gender issues and biopolitics. Various dystopic political futures will be discussed.
Prerequisites: POLS 104 or POLS 105.
Offered: Summer.

POLS 304 | Theories of International Relations | 3 cr
Contemporary theories of international relations with selected applications to current issues or relationships in international politics. Emphasis on critical theories in the evaluation and comparison of various theoretical approaches. Cross-listed with: PHIL 304.
Prerequisites: POLS 104 and POLS 200.
Offered: Spring.

POLS 306 | Modern Political Philosophy | 3 cr
Exploration of the origins of liberalism, conservatism, and socialism. Readings may include Machiavelli, Hobbes, Locke, Rousseau, Mill, Hegel, Marx, and Nietzsche. Cross-listed with: PHIL 306.
Prerequisites: One of the following: POLS 105, PHIL 101, HIST 119, HIST 120.

POLS 307 | Contemporary Political Thought | 3 cr
Examines contemporary philosophical works including themes of the meaning of equality, liberty, autonomy, gender, race and community in contemporary society. Cross-listed with: PHIL 307.
Prerequisites: One political science or philosophy course.
Offered: Occasionally.

POLS 310 | Constitutional Law: Civil Liberties | 3 cr
Examines U.S. Supreme Court cases concerned with the protection of civil liberties. Topics may include race and equality; sex, marriage, and reproduction; free speech; freedom of religion.
Prerequisites: POLS 100 or POLS 116, or junior standing or consent of instructor.
Offered: Yearly.

POLS 312 | Introduction to Global Warming Policy and Governance | 3 cr
Examines and evaluates greenhouse gas mitigation and adaption policies which are being implemented by a variety of national and sub-national governments. Multi-career cross-listing: MAPS 512.
Prerequisites: POLS 100 or equivalent.
Offered: Occasionally.

POLS 313 | Politics of Professional Sports | 3 cr
An examination of the interrelationships between local and state politics and the professional sports teams located in those communities. Topics to be covered include: team location and relocation, public subsidy of stadium construction, economic development impacts, and what it means to be a "big league" city.
Prerequisites: SPMT 100; POLS 100 recommended.

POLS 316 | Diversity Law: African Americans | 3 cr
Analyzes the relationship of African Americans to the United States Constitution, and includes such topics as slavery, the Fugitive Slave Acts, the Civil War Amendments, segregation, the civil rights movement, voting rights, affirmative action, and housing laws. Cross-listed with: ETHN 316.
Prerequisites: POLS 100 or Ethnic Studies minor, POLS 216 recommended.
Offered: Occasionally.
Meets: Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity

POLS 317 | Strategic Decision Making | 3 cr
Examines decision making from both a rational and cognitive-bureaucratic perspective. Investigates the universal applications of theoretical strategic thinking, integrates tactical and strategic decision making, and applies creative and critical thinking in strategic formulation and implementation. Explores case studies of military, political, and corporate strategies.
Prerequisites: None.
Offered: Spring.

POLS 318 | Legislative Politics | 3 cr
Introduces to the politics of the U.S. Congress. Examines the workings of the U.S. Congress focusing on congressional elections; goals and strategies of congressional members; parties and leaders; rules of the legislative game; committees; floor and voting; inter-branch politics; and scientific research on congressional politics. ONLINE instruction; additional online class fee.
Prerequisites: POLS 100.
Offered: Spring (even years).

POLS 320 | Constitutional Law: The Structure and Power of U.S. Government | 3 cr
Examines the structure of government established by the Constitution. Includes the relations between the states and the federal government, the power of Congress to regulate the economy, and the power of the President to conduct war.
Prerequisites: POLS 100 or POLS 116, or junior standing or consent of instructor.
Offered: Yearly.

POLS 321 | Politics, Law, and Society | 3 cr
Examines how law and politics interact with personal and social identity, including race, gender, and class. Cross-listed with: PHIL 321.
Prerequisites: None.
Offered: Occasionally.

POLS 330 | European Politics | 3 cr
Examines political culture, political institutions, and public choices of European democratic states. Focuses on the history, institutions, and policies of the European Union.
Prerequisites: POLS 103 or POLS 104.
Offered: Occasionally.

POLS 331 | The Politics of Developing Nations | 3 cr
Examines problems of developing political institutions as they cope with and generate processes of social change, economic development and cultural independence.
Prerequisites: POLS 103 or POLS 104.
Offered: Occasionally.

POLS 332 | Socialist Thought and Practice | 3 cr
Explores the thought of Marx and his later interpreters, such as Lenin and Bernstein. Discussion of the ideological foundations of and political dynamics of socialist systems. May include discussion of other socialist thinkers.
Prerequisites: POLS 103, POLS 104, or POLS 105 or consent of instructor.
Offered: Occasionally.

POLS 334 | Resistance | 3 cr
Examines the concept and genealogy of modernity as understood by Foucault and Adorno; extends the Foucauldian understanding of Power and Resistance within modern and post-modern contexts by examining the works of Deleuze, Hardt and Negri, and others.
Prerequisites: Junior or instructor consent.
Offered: Spring.

POLS 335 | Popular Music, Human Rights and Democratization | 3 cr
Explores the politics of sounds and songs and the role of popular music in opening up democratic spaces for a viable and vibrant democracy. Examines the theories and practices of human rights and democratization within the nexus of interactions between popular music and social movements. Topics include the Civil Rights Movement, Tropicalismo in Brazil, Nueva Canción in Latin America and Arab Spring music.
Prerequisites: One course in political science.
Offered: Yearly.

POLS 338 | Fascism, Nazism, and the Contemporary Radical Right | 3 cr
Examines the historical trajectories of the Fascist and Nazi ideologies and compares and contrasts these ideologies with the contemporary radical right movements in Western nations.
Prerequisites: None.
Offered: Fall (even years).

POLS 340 | The Latin American Left | 3 cr
Focuses on the Latin American Left-the environment that spawned it, its historical role in changing Latin American politics, and its role in the present and future political and economic development of the region.
Prerequisites: POLS 104.
Offered: Occasionally.

POLS 341 | International Conflict and Cooperation | 3 cr
Cooperation and competition in the anarchic environmental of international politics. Selected models of world order investigating integration and fragmentation of nation-states, development and maintenance of international regime structures, and the influence of international/reg'l organizations.
Prerequisites: POLS 104 and one 200-level World Politics course.

POLS 344 | African Politics | 3 cr
Investigates African politics and society, stressing the transboundary linkages that exist in the local, national, and global level. Includes common challenges to African countries, such as colonial history, debt, resource development, and violent conflict. Examines political, economic and cultural strengths of African countries.
Prerequisites: Sophomore standing.
Offered: Yearly.

POLS 346 | Indigenous Communities and Politics | 3 cr
Combines knowledge of indigenous politics and philosophy with specific regional discussions of indigenous movements and will typically focus on a specific indigenous movement or group. May include a study tour with additional fees required. May repeat with different topic.
Prerequisites: Sophomore standing or consent of instructor.
Offered: Occasionally.

POLS 349 | Global Ethics | 3 cr
Examines current global issues, conditions, and choices in terms of the ethical questions they present. Topics vary. May repeat with different topic.
Prerequisites: Sophomore standing.
Offered: Occasionally.

POLS 355 | Urban Politics | 3 cr
City and metropolitan politics in the United States; definition and description of the "urban crisis". Material from political science and allied disciplines included.
Prerequisites: POLS 100 or consent of instructor.

POLS 356 | Political Sociology | 3 cr
Examines the relationship between politics and the larger social structure, such as structure of power in the United States and the economy; political consciousness and the debate on the changing nature of industrial societies. Cross-listed with: SOCA 356.
Prerequisites: SOCA 101.
Offered: Occasionally.

POLS 360 | Political Parties and Interest Groups | 3 cr
Examines political party development in the United States; structure, functions, and behavior of parties and pressure groups; responsiveness to the electorate and public opinion; and some theories on the role of parties and interest groups in a democracy. Comparative material included.
Prerequisites: POLS 100.
Offered: Occasionally.

POLS 367 | Latinos(as) and the Law | 3 cr
Introduces and examines experiences Latinos(as) encounter with and within the U.S. criminal justice system, as well as related international and transnational issues. Uses a range of theoretical frameworks, including socio-ecological, political and psychological. Cross-listed with: LBST 367/POLS 367.
Prerequisites: CRMJ 101 or POLS 100; or consent of instructor.
Offered: Occasionally.
Meets: Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity

POLS 375 | Elections and Political Participation | 3 cr
Introduces students to some of the major topics of debate and research in political science with regard to voter behavior and political participation in U.S. politics, with a heavy emphasis on federal elections.
Prerequisites: None.
Offered: Occasionally.

POLS 390 | Special Topics in Political Science | 3 cr
Selected topics in political science will be examined. May repeat for credit with different topic.
Prerequisites: None.
Offered: Occasionally.

POLS 395 | Voting Behavior and Political Participation | 3 cr
Examination and criticism of several competing explanations of voting behavior and political participation in the United States. The dynamics of citizen involvement in the political process will be featured.
Prerequisites: POLS 100 and POLS 200 (or concurrent registration in 200).
Offered: Occasionally.

POLS 403 | Women, Power and Politics | 3 cr
Examines the environmental, systematic, and political variables that define the existing and potential political position of women in the United States. Requires a research paper.
Prerequisites: None.
Offered: Fall.

POLS 415 | International Law | 3 cr
Examines international legal relationships among actors in world politics. Investigates the legal framework of public international law.
Prerequisites: POLS 104 or consent of instructor.
Offered: Fall.

POLS 416 | The International Criminal Court | 3 cr
Provides a historical and political overview of the development of the international criminal court in the context of international law. Genocide, crimes against humanity, war crimes, and aggression will be investigated. Highlights specific cases.
Prerequisites: Junior standing.
Offered: Occasionally.

POLS 445 | Senior Seminar in Political Science | 3 cr
A capstone research experience for majors in their last year. Also serves to assess mastery of the discipline of political science. Required of all political science majors who are not concentrating in legal studies.
Prerequisites: Senior standing.
Offered: Occasionally.

POLS 490 | Special Topics in Political Science | 1-3 cr
Studies selected topics in political science at an advanced level.
Prerequisites: POLS 100 or consent of instructor and section prerequisites.
Offered: Occasionally.

POLS 494 | Internship in Political Science | 1-12 cr
Provides opportunities to serve as intern in state, regional, county or local government offices or in the offices of elected officials.
Prerequisites: POLS 104, POLS 200; senior standing; consent of instructor and department chair.
Offered: Fall, Spring, Summer.

POLS 499 | Independent Study | 1-6 cr
Provides individual instructions on topics related to political science. Maximum of 6 credits may be applied toward the major.
Prerequisites: Consent of instructor and department chair.
Offered: Fall, Spring, Summer.

POLS 690 | Special Topics in Political Science | 1-4 cr

Pre-Engineering (PENG)

PENG 211 | Statics | 3 cr
Discusses vectors, equilibrium of a particle, resultants of force systems, equilibrium of rigid bodies in two and three dimensions, structural analysis, friction, centroids, and moments of inertia. Required for the pre-engineering articulation agreement with UW-Milwaukee.
Prerequisites: MATH 221 with a grade of C or better, concurrent registration in MATH 222.
Offered: Spring.

PENG 212 | Dynamics | 3 cr
Covers motion and the laws of motion in different dimensions of space using various orthogonal curvilinear coordinates; relative motion; work and energy; conservative forces and potential energy; conservation of linear and angular momentum; and rigid body motion. Required for the pre-engineering articulation agreement with UW-Milwaukee.
Prerequisites: MATH 222 with a C or better, PENG 211; concurrent registration in Math 223.
Offered: Fall.

PENG 214 | Electrical Circuits I | 3 cr
Covers circuit laws and analysis, restrictive circuits, energy storage, AC circuits and power, three-phase circuits, and computer-aided analysis. Required for the pre-engineering articulation agreement with UW-Milwaukee.
Prerequisites: PHYS 202 with a grade of C or better.
Offered: Fall.

PENG 215 | Materials Science and Engineering | 4 cr
Introduces materials science and engineering. Covers the structure and basic properties of various engineering materials, including metals and alloys, ceramics, plastics, and composite materials. Includes laboratory work.
Prerequisites: CHEM 101, MATH 222 and PHYS 202.
Offered: Fall.

PENG 216 | Engineering Drawing and Computer Aided Design | 3 cr
Covers fundamentals of computer aided design (CAD), solid modeling, engineering drawings, dimensioning and specifications.
Prerequisites: MATH 112 and 113; or MATH 114.
Offered: Spring.

Professional Development (PDEV)

PDEV 395 | Educators Workshop | 1-6 cr
Review and analysis of current trends in educational models, methods and resources with the goal of practical application in current programs. Workshop participants are expected to be involved actively in group experiences, research, and classroom presentations and discussions. Critical thinking and problem solving are emphasized. Developmentally appropriate practice is stressed. May be repeated with different content. Students may choose graded on credit/no credit or letter grade basis.
Prerequisites: Junior standing or consent of instructor.
Offered: Occasionally.

PDEV 411 | Introduction to Bilingual Education | 2 cr
Explores the historical, political, and legal implications of bilingual education in the United States. Examines the development of educational program models to meet the needs of linguistically diverse students.
Prerequisites: Consent of program.
Offered: Summer.

PDEV 413 | Bilingual/Bicultural Identity | 2 cr
Examines cultural, linguistic and social diversity in education and its history. Focuses on social justice pedagogy to empower teachers to be advocates and allies for a more equitable education for students.
Prerequisites: Consent of program.
Offered: Summer.

PDEV 415 | Introduction to Language Acquisition | 2 cr
Explores theories and models of language acquisition. Examines teaching approaches necessary to address the educational needs of all language learners. Consent of program.
Offered: Fall.

PDEV 417 | Foundations of Language and Literacy | 2 cr
Examines the complexity of language acquisition and literacy development, focusing on typical and atypical language development, connections between language and literacy, and diversity of communication styles in families and cultures.
Prerequisites: Consent of program.
Offered: Fall.

PDEV 419 | Developing Academic Language in a Bilingual Classroom | 3 cr
Introduces the role of academic language in the educational experience, including multilingualism and regional and social dialects. Explores the importance of planning and scaffolding for academic language development and awareness.
Prerequisites: Consent of program.
Offered: Winterim.

PDEV 421 | Advanced Language and Literacy | 2 cr
Provides a broad understanding of the theoretical and methodological frameworks used to study bilingualism and multilingualism in globalized contexts.
Prerequisites: Consent of program.
Offered: Spring.

PDEV 423 | Advanced Biliteracy | 2 cr
Investigates the concept of metalinguistic awareness to explain the transfer of linguistic knowledge across languages. Addresses advanced linguistic concepts such as phonetics, phonology, morphology, and grammar and their application in educational contexts.
Prerequisites: Consent of program.
Offered: Spring.

PDEV 427 | Assessing Multilingual Learners | 3 cr
Explores considerations in biliteracy development, bilingual instruction, assessment, and materials for emergent bilinguals. Considers issues in multi-language assessment, including reliability, validity, test bias, and standardization.
Prerequisites: Consent of program.
Offered: Summer.

PDEV 460 | Introduction to Special Education and Inclusion | 3 cr
Examines differentiated instruction for learners with special needs in general education environments, introduces the co-teaching model and collaborative role of general and special educators in general education classrooms.
Prerequisites: Consent of program.
Offered: Fall.

PDEV 462 | Assessment and the IEP Process | 3 cr
Focuses on formal and informal assessment and the creation of reports and plans based on this information. Familiarizes participants with the ongoing cycle of assessment and instruction and introduces the design of tiered interventions within the Response to Intervention model.
Prerequisites: Consent of program.
Offered: Fall.

PDEV 464 | Collaboration With Families and Colleagues | 3 cr
Introduces caseload management and longitudinal planning for students birth-21, focusing on collaboration with colleagues to develop optimal learning experiences for students with special needs. Addresses culturally responsive ways of collaborating with students, families, and educational stakeholders to create teams that work together to maximize student outcomes.
Prerequisites: Consent of program director.
Offered: Winterim.

PDEV 466 | Specially Designed Instruction For Diverse Students | 3 cr
Continues mastery of educational models and strategies developed in previous coursework. Focuses on design of Instruction around Assistive and Adaptive Communication devices, Assistive Technology devices and services, managing service providers and paraprofessionals, and lesson planning and adaptation.
Prerequisites: Consent of program director; admission to STAR program required.
Offered: Spring.

PDEV 468 | Behavior and Psychosocial Factors in the Classroom | 3 cr
Focuses on selection of appropriate adaptive curricula for students with moderate to severe challenges to help increase independence. Explores crisis prevention and intervention skills to address and diffuse student behaviors. Specific focus on Response to Intervention model for behavior, particularly Tier One: School-wide Positive Behavioral Interventions and Supports.
Prerequisites: Consent of program director; admission to STAR program required.
Offered: Spring.

PDEV 470 | Instructional Methods For Developmental Literacy | 2-3 cr
Explores best practices in teaching literacy for birth through grade 9. Emphasizes balanced literacy, including reading and writing workshops, the teaching of phonics through direct instruction and word study, decoding, comprehension of narrative and expository texts, and selection of diverse children's literature.
Prerequisites: Consent of program director; admission to STAR program required.
Offered: Summer.

PDEV 472 | Instructional Methods For Developmental Mathematics | 2-3 cr
Explores best practices in teaching mathematics for kindergarten through grade 9, including mathematical concepts of numbers and their origins, place value, patterns, the study of sets, arithmetic operations, geometric shapes and their properties, measurement, and symmetry. Examines the use of patterns as problem-solving tools and alignment of problem-solving lessons to academic standards in K-9 classroom settings.
Prerequisites: Consent of program director; admission to STAR program required.
Offered: Summer.

PDEV 474 | Literacy Foundations | 2 cr
Examines different theories and approaches for teaching reading, including developmental, sociocultural, and linguistic models. Emphasizes foundations of literacy processes, language development, and literacy instruction related to phonological and phonemic awareness, English orthography, concepts of print, phonics and word identification, vocabulary, comprehension, and content area literacy.
Prerequisites: Consent of program director; admission to STAR program required.
Offered: Summer.

PDEV 481 | Disability Across the Lifespan | 3 cr
Addresses ways in which society defines disabilities and attempts to adjust and include individuals with disabilities, including history of disability and advocacy, law and accessibility. Explores evidence-based career/vocational transition programs for individuals with mild/moderate cognitive disabilities and autism spectrum disorder to support planning for students with disabilities toward post secondary goals and outcomes.
Prerequisites: Consent of program.
Offered: Fall.

PDEV 482 | Culturally Responsive Teaching | 3 cr
Addresses multiple forms of difference that define unequal positions of power in the United States and the impact on educational systems nationally, across Wisconsin, and regionally. Explores critical content, including but not limited to school segregation, social construction of difference, definitions of equity, systems of privilege and oppression, and formation of identity that affects classroom dynamics.
Prerequisites: Consent of program.
Offered: Fall.

PDEV 484 | Development of Children and Adolescents | 2 cr
Explores historical, psychological, and contemporary principles and theories of child growth and development from birth through adolescence, focusing on physical, social, emotional and cognitive domains of development and their application to classroom settings. Emphasizes developmentally appropriate practices across elementary and middle education settings and different developmental levels.
Prerequisites: Consent of program.
Offered: Winterim.

PDEV 486 | Environmental Education | 1 cr
Explores fundamental knowledge of elementary science teaching and learning, including standards-based curriculum design and evidence-based teaching strategies. Focuses on development of inquiry based lessons for grades K-9 around major ecological concepts and environmental problems that affect our world.
Prerequisites: Consent of program.
Offered: Winterim.

PDEV 488 | Applied Leadership and Collaboration Seminar | 2 cr
Addresses systems and management knowledge necessary to advocate for students with special needs. Explores and manages continuous collaboration with education stakeholders within the context of full-time Residency.
Prerequisites: Consent of program.
Offered: Spring.

PDEV 491 | Residency | 2 cr
Provides candidates with a full-semester, full-day, co-teaching clinical experience to develop and enhance the knowledge, skills, and dispositions necessary to positively impact student learning and development.
Prerequisites: Consent of program.
Offered: Spring.

PDEV 492 | Residency Portfolio | 2 cr
Provides support in the completion and submission of candidates' teaching portfolios, including the edTPA.
Prerequisites: Consent of program.
Offered: Summer.

PDEV 595 | Educators Workshop | 1-6 cr
Review and analysis of current trends in educational models. methods and resources with the goal of practical application in current programs. Workshop participants are expected to be involved actively in group experiences, research, and classroom presentations and discussion. Critical thinking and problem solving are emphasized. Developmentally appropriate practice is stressed. May be repeated with different content. Graded on credit/no credit or letter grade basis.
Prerequisites: Junior Standing, consent of instructor.
Offered: Occasionally.

Project Management (PMGT)

PMGT 314X | PMP Exam Preparation | 1 cr
Discusses tips and best practices for preparing for the PMI certification exam.
Prerequisites: Admission to the Flexible Option Program and consent of program representative.
Offered: Yearly.

PMGT 315X | A System for Value Delivery | 1 cr
Explores a system of value delivery and how projects operate within a system to produce value for organizations and their stakeholders. Covers recognizing value delivery components and how they work together to deliver organizational value that is aligned with the organization's strategy.
Prerequisites: Admission to the Flexible Option Program and consent of program representative.
Offered: Yearly.

PMGT 316X | Principles of Project Management | 1 cr
Explores project management principles as foundational guidelines for strategy, decision making, and problem solving in the context of the organization, project, deliverables, project team, stakeholders, and other factors.
Prerequisites: Admission to the Flexible Option Program and consent of program representative.
Offered: Yearly.

PMGT 317X | Stakeholder and Team Project Performance Domains | 1 cr
Explores the concept of project domains and team performance. Examines team dynamics and essential personal skills necessary to achieve project outcomes.
Prerequisites: Admission to the Flexible Option Program and consent of program representative.
Offered: Yearly.

PMGT 318X | Development Approach and Life Cycle Project Performance Domain | 1 cr
Explores activities and functions associated with the development approach, cadence, and life cycle phases of the project.
Prerequisites: Admission to the Flexible Option Program and consent of program representative.
Offered: Yearly.

PMGT 319X | Planning Performance Domain | 1 cr
Explores activities and functions associated with the initial, ongoing, and evolving organization and coordination necessary to deliver project deliverables and outcomes.
Prerequisites: Admission to the Flexible Option Program and consent of program representative.
Offered: Yearly.

PMGT 320X | Project Performance Domains | 1 cr
Explores activities and functions associated with establishing project processes, managing physical resources, fostering a learning environment, and delivering the scope and quality of the project.
Prerequisites: Admission to the Flexible Option Program and consent of program representative.
Offered: Yearly.

PMGT 321X | Measurement and Uncertainty Project Performance Domains | 1 cr
Explores assessment of a project's performance and how to manage uncertainty and risk.
Prerequisites: Admission to the Flexible Option Program and consent of program representative.
Offered: Yearly.

PMGT 322X | Tailoring | 1 cr
Explores how projects are deliberately adapted throughout the lifecycle in order to make them more suitable for the given environment and work.
Prerequisites: Admission to the Flexible Option Program and consent of program representative.
Offered: Yearly.

PMGT 323X | Models, Methods and Artifacts | 1 cr
Explores how leadership, communication, motivation, change, complexity, and team development affect models, methods, and artifacts used in project management.
Prerequisites: Admission to the Flexible Option Program and consent of program representative.
Offered: Yearly.

PMGT 324X | Agile Framework | 3 cr
Explores tools and situational guidelines for the various agile approaches available to project managers. Examines how new project managers understand and adapt the agile approach.
Prerequisites: Admission to the Flexible Option Program and consent of program representative.
Offered: Yearly.

PMGT 341 | Basics of Project Management | 3 cr
Covers Project Management Body of Knowledge (PMBoK) specified by Project Management Institute (PMI) in detail. Includes life cycle, processes, integration, scope, time, cost, human resources, communication, risk and procurement.
Prerequisites: QM 210; completion of a minimum of 54 credits.
Offered: Fall.

PMGT 342 | Essential Personal Skills For Project Management | 3 cr
Provides a background in personal skills essential for effective project management, including general intelligence; emotional intelligence; groups and teams; project leadership; stress; ethics; and communication.
Prerequisites: None.
Offered: Fall, Summer.

PMGT 441 | Advanced Project Management Tools and Techniques | 3 cr
Covers advanced tools and techniques of project management, including Microsoft Project, and Microsoft Excel, Work Breakdown Structure (WBS), budgeting a project, scheduling a project using PERT/CPM, allocating scarce resources, critical chain and critical path, resource leveling, monitoring the project costs, evaluating and terminating a project. Multi-career cross-listing: CIS 641.
Prerequisites: PMGT 341.
Offered: Spring.

PMGT 442 | Project Management Simulation | 3 cr
Includes project scheduling, risk analysis, earned value, and teamwork. Applies project management skills to a simulated or live project, develop project justification and plan, and execute the plan and track performance. Multi-career cross-listing: CIS 642.
Prerequisites: PMGT 341, PMGT 342.
Offered: Spring.

Psychology (PSYC)

PSYC 101 | Introduction to Psychological Science | 3 cr
Introduces the scientific study of mind and behavior, providing coverage of the major areas of research in psychology, including thinking, social interaction, human development, the nervous systems, abnormal psychology, personality, learning, the history and applications of psychological science, and others.
Prerequisites: ENGL 100 or concurrent registration.
Offered: Fall, Spring.
Meets: Social & Behavioral Science: PSYC, Social & Behavioral Science: PSYC, Social & Behavioral Science: PSYC, Social & Behavioral Science: PSYC, Social & Behavioral Science: PSYC

PSYC 200 | Introduction to Neuroscience | 3 cr
Explores the structure and function of the nervous system from the molecular and cellular levels to the systems level. Includes signaling mechanisms, sensory systems, motor systems, language, emotion, neurodegeneration and psychopathology.
Prerequisites: ENGL 100 or concurrent enrollment.
Offered: Fall, Spring.

PSYC 205 | Cognitive Psychology | 3 cr
Covers theory and research of human cognitive processes including perception, attention, visual cognition, learning, memory, language, decision making, problem solving, intelligence, and social cognition.
Prerequisites: PSYC 101.
Offered: Fall.

PSYC 210 | Introduction to Human Development | 3 cr
Covers theories, concepts, and research pertaining to human development throughout the lifespan including biological, cognitive, emotional and social development..
Prerequisites: PSYC 101.
Offered: Fall, Spring.

PSYC 220 | Social Psychology | 3 cr
Studies the individual in social contexts including person perception, attribution processes, the self, interpersonal attraction, attitude formation, aggression, prosocial behavior and social influence.
Prerequisites: PSYC 101.
Offered: Fall, Spring.

PSYC 241 | Psychology of Aging | 3 cr
Survey of research and theory on the human aging process including physical, cognitive, and social sciences.
Prerequisites: PSYC 101.
Offered: Spring.

PSYC 250 | Psychological Statistics | 3 cr
Application of descriptive and inferential statistics to the research problems of psychology. Projects include computer analysis of data.
Prerequisites: PSYC 101, completion of computational skills requirement.
Offered: Fall, Spring.

PSYC 260 | Psychology of Personality | 3 cr
Theories, models, and conceptions of personality, methods of studying personality, and research findings.
Prerequisites: PSYC 101.
Offered: Fall, Spring.

PSYC 275 | Job Search and Work-Life Transitions | 3 cr
Explores and applies job search, career self-management, and career-life preparedness strategies. Includes developing purposeful goals and plans, identifying job opportunities, professional communication and relationships, and navigating work-life transitions. Requires fees.
Prerequisites: At least Junior standing.
Offered: Fall, Spring.
Meets: Social & Behavioral Science: PSYC, Social & Behavioral Science: PSYC, Social & Behavioral Science: PSYC, Social & Behavioral Science: PSYC, Social & Behavioral Science: PSYC

PSYC 280 | Psychology of Gender | 3 cr
Research on the effects of gender on cognition, personality, emotions, interpersonal relations, labor-force participation and behavior. Theories of gender role development and gender typing are examined. Not open to those with credit in PSYC 380.
Prerequisites: PSYC 101.
Offered: Fall, Spring.

PSYC 290 | Special Topics in Psychology | 1-4 cr
Selected topics in psychology.
Prerequisites: PSYC 101.
Offered: Occasionally.

PSYC 300 | Research Methods in Psychology | 3 cr
Analyzes scientific methods in psychology. Includes research design, data collection and interpretation, computer-based statistical analysis, and writing research reports.
Prerequisites: PSYC 250 or BIOS 210, completion of Reading/Writing skills.
Offered: Fall, Spring.

PSYC 301 | Learning and Memory | 3 cr
Examine theory and research of human learning and memory. Explores learning through classical and operant conditioning, observational learning, and classroom learning. Covers procedural memory, semantic memory, and episodic memory.
Prerequisites: PSYC 205, PSYC 300.
Offered: Spring.

PSYC 304 | Language Development | 3 cr
The child's development of the sounds, grammar, meanings, and social knowledge that underlie the ability to use language; theories of language acquisition; and the relation of oral language to the acquisition of literacy.
Prerequisites: PSYC 300 or ENGL 287.
Offered: Occasionally.

PSYC 306 | Sensation and Perception | 3 cr
Examines the sensory organs and perceptual mechanisms used in vision, hearing, touch, taste, and smell. Emphasizes vision and audition.
Prerequisites: PSYC 205 and PSYC 300.
Offered: Fall.

PSYC 307 | Cross Cultural Psychology | 3 cr
Examines research and theories on culture influences human development, social interactions and perceptions. Discusses the self and psychological functioning.
Prerequisites: PSYC 220 or PSYC 260.
Offered: Fall.
Meets: Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity

PSYC 318 | Psychological Assessment | 3 cr
Assessment of individual characteristics including issues related to measurement, test construction, test usage, reliability and validity, and specialized applications.
Prerequisites: PSYC 101, PSYC 250.
Offered: Fall.

PSYC 324 | Child and Adolescent Psychopathology | 3 cr
Surveys the field of child and adolescent psychopathology. Examines historical factors and contemporary approaches to mental disorders in children and adolescents.
Prerequisites: PSYC 210 or permission of the instructor.
Offered: Fall.

PSYC 325 | Biological Psychology | 3 cr
Covers brain structure, neural communication, the neural control of movement, the biological basis of complex behaviors (such as sleep, learning, memory, sex, language, and addiction), emotion, and psychological disorders.
Prerequisites: PSYC 101 or BIOS 101.
Offered: Fall.

PSYC 326 | Cognitive Neuroscience | 3 cr
Covers how cognitive processes are explained by the structure and function of the brain. Includes neuroanatomy, research methods, and other areas such as perceptual processing, object recognition, language, memory, emotion, and attention. Requires fees.
Prerequisites: PSYC 205 and PSYC 300; or consent of instructor.
Offered: Spring.

PSYC 327 | Neuropsychology | 3 cr
Covers brain structure and function using clinical case studies as the primary source of information. Includes basic neuroanatomy, behavioral disorders, severe neuropsychiatric conditions, neuropsychological testing, emotion, language, thought, and memory.
Prerequisites: PSYC 200 or consent of instructor.
Offered: Fall.

PSYC 328 | Psychopharmacology | 3 cr
Covers the basic principles of psychopharmacology, including how drugs influence psychological phenomena, how and why drugs are used for treatment for psychopathological and neuropsychological conditions, mechanisms of addiction, tolerance and abuse, the social, recreational and religious context, and the history of substance abuse.
Prerequisites: PSYC 200 or consent of instructor.
Offered: Fall.

PSYC 329 | Brain Development and Plasticity | 3 cr
Covers neuroplasticity form a predominantly behavioral perspective. Includes neural development of the human brain, implications for psychological and social behavior, neuroplasticity of the brain with respect to both learning and aging, and brain repair after acquired brain injury. Community-based learning designation.
Prerequisites: PSYC 200 or consent of instructor.
Offered: Spring.
Meets: Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning

PSYC 330 | Interviewing | 3 cr
Introduces interviewing in mental health counseling and the human service professions. Explores basic interviewing skills, uses and forms of interviewing, problems of interview communication, behavioral processes, and emotions in counseling.
Prerequisites: PSYC 205 or PSYC 210 or PSYC 220 or PSYC 260.
Offered: Fall.

PSYC 334 | Infant Development | 3 cr
Covers advanced theories, concepts, and research pertaining to human development during the first three years of life, including physical, motor, perceptual, cognitive, and social development, with focus on early mechanisms of change.
Prerequisites: PSYC 210, PSYC 300.
Offered: Occasionally.

PSYC 337 | Child Development | 3 cr
Introduces questions, approaches, and empirical findings in the field of child developmental psychology through middle childhood. Examines major theories and research in order to comprehensively understand children's physical, language, cognitive, social, and emotional development.
Prerequisites: PSYC 210, PSYC 300.
Offered: Occasionally.

PSYC 339 | Adolescent Development | 3 cr
Examines theory and research relating to biological, cognitive, social, and emotional influences on development in the second decade of life across multiple contexts. Focuses on the developmental tasks of adolescence, such as forming an identity and developing mature relations with peers, family, and possible mates.
Prerequisites: PSYC 210, PSYC 300.
Offered: Occasionally.

PSYC 352 | Crisis Intervention | 3 cr
Introduces theory and practice of crisis intervention in the helping professions. Covers the principles of crisis counseling, including skills and approaches to working with survivors of acute, chronic, and complex trauma.
Prerequisites: PSYC 330 or concurrent enrollment.
Offered: Fall.

PSYC 360 | Psychopathology | 3 cr
Examines mental and behavioral disorders including theoretical models, diagnosis and classification, research findings, and treatment approaches.
Prerequisites: One of: PSYC 205, PSYC 210, PSYC 220 or PSYC 260.
Offered: Spring.

PSYC 362 | Theories of Psychotherapy | 3 cr
Compares major, systematic approaches to psychotherapy. Integrates case study analyses with theory. Includes research findings on the process and outcome of psychotherapy.
Prerequisites: PSYC 205 or PSYC 210 or PSYC 220 or PSYC 260.
Offered: Yearly.

PSYC 363 | Health Psychology | 3 cr
Explores major theoretical approaches, research findings, and principles of health psychology including stress and coping; and the role of lifestyle, personality, and social support in health and illness. Considers links between psychology and specific diseases.
Prerequisites: PSYC 220 or PSYC 260.
Offered: Spring.

PSYC 380 | Psychology of Gender | 3 cr
Explores research on the effects of gender on cognition, personality, emotions, interpersonal relations, labor-force participation and behavior. Examines theories of gender role development and gender typing. Not available to students with credit in PSYC 280.
Prerequisites: PSYC 220 and either PSYC 300 or SOCA 295.
Offered: Fall, Spring.

PSYC 390 | Special Topics in Psychology | 1-4 cr
Examines selected topics in psychology.
Prerequisites: Varies by topic.
Offered: Occasionally.

PSYC 420 | Neuroanatomy | 3 cr
Covers the structure of the nervous system and the major sensory, motor, and integrative neural systems. Explores the anatomical and physiological bases of multiple disorders of the nervous system.
Prerequisites: PSYC 200 or consent of instructor.
Offered: Spring.

PSYC 421 | The Self | 3 cr
Explores the self from a social psychological perspective. Examines theories and research on the self and teaches verbal and written communication skills.
Prerequisites: PSYC 220 and PSYC 300.
Offered: Occasionally.

PSYC 431 | Counseling Psychology | 3 cr
Delves into fundamental techniques of counseling, including assessment of client problems, exploration of behavioral alternatives, applying psychological principles to effect change, and counseling relationship skills.
Prerequisites: PSYC 330 or PSYC 362.
Offered: Spring.

PSYC 441 | Advanced Human Development Seminar | 3 cr
Focuses on a specific developmental topic such as moral development, adult cognitive development, Piagetian theory, etc. Incorporates advanced methodological issues, research reports, and primary theoretical sources.
Prerequisites: PSYC 210, PSYC 300.
Offered: Occasionally.

PSYC 490 | Special Topics in Psychology | 1-4 cr
Examines selected advanced topics in psychology. May be repeated with different topic.
Prerequisites: Varies by topic.
Offered: Occasionally.

PSYC 491 | Senior Capstone in Neuroscience | 3 cr
Covers concepts in the field of neuroscience. Includes neuroanatomy and a critical analysis of the current research in neuroscience. Provides students opportunity for identifying and thinking critically about current topics in neuroscience and applying these skills in writing, presentations, and discussions.
Prerequisites: PSYC 200, PSYC 420; and junior or senior; or consent of instructor.
Offered: Occasionally.

PSYC 492 | Psychology Research Seminar | 3 cr
Provides hands-on experience working collectively with faculty and other students on faculty and student research projects. Includes designing, administering, analyzing and reporting original empirical research in psychology. Community-based learning designation.
Prerequisites: PSYC 300 and consent of instructor.
Offered: Spring.
Meets: Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning

PSYC 494 | Psychology Internship | 1-6 cr
Provides the opportunity for supervised experience in the field of psychology.
Prerequisites: 18 credits in psychology and consent of instructor and department chair.
Offered: Occasionally.

PSYC 495 | Psychology Senior Seminar | 3 cr
Discussion on ethical, methodological, historical, and/or philosophical issues in psychology, based on readings in psychology research, practice, and theory.
Prerequisites: PSYC 300 and 24 psychology credits, 85 degree credits and consent of instructor.
Offered: Fall, Spring.

PSYC 497 | Thesis in Psychology | 1-3 cr
Prerequisites: Consent of instructor.

PSYC 499 | Independent Study | 1-6 cr
Participation in research activities under the direction of a faculty member.
Prerequisites: PSYC 300, consent of instructor and department chair.
Offered: Fall, Spring.

Quantitative Methods (QM)

QM 110 | Applied Quantitative Analysis in Business | 3 cr
Surveys applied business concepts that include statistics, mathematics, operations management, accounting, finance, marketing, and project management. Emphasizes using data and spreadsheets as a means for modeling business concepts.
Prerequisites: MATH 104 or 111.
Offered: Fall, Spring, Summer.

QM 210 | Business Statistics I | 3 cr
Introduces descriptive statistical analysis; probability and expectation; discrete and continuous probability models; sampling distributions; hypothesis testing and estimation. Emphasizes conceptual understanding of statistical analysis and its application to and interpretation for business problems.
Prerequisites: MATH 112 or QM 110.
Offered: Fall, Spring, Summer.

QM 310 | Business Statistics II | 3 cr
Explains advanced inferential techniques including analysis of variance; simple and multiple linear correlation and regression techniques; Bayesian decision analysis; time-series analysis; non-parametric techniques; use of computer analysis for applied business problems.
Prerequisites: QM 210; completion of a minimum of 54 credits, business major/minor.
Offered: Fall, Spring, Summer.

QM 319 | Operations Management | 3 cr
Examines the role of the operations function in an organization; strategy and competitiveness, supply chain management, forecasting and inventory control. total quality management, statistical quality control, lean manufacturing, scheduling, project management, and application of these principles in manufacturing and service organizations.
Prerequisites: QM 210; completion of a minimum of 54 credits, business major/minor.
Offered: Fall, Spring, Summer.

QM 490 | Special Topics in Statistics and Quantitative Methods | 1-3 cr
Selected topics in statistics and quantitative methods. Subject varies; See Current Course Schedule.
Prerequisites: Dependent on subject matter; Junior standing, business major/minor.
Offered: Occasionally.

Sociology (SOCA)

SOCA 101 | Introduction to Sociology | 3 cr
Examines social relations, social organization, and social systems through the study of process, structure, and function.
Prerequisites: None.
Offered: Fall, Spring, Summer.
Meets: Social & Behavioral Science: SOCA, Social & Behavioral Science: SOCA, Social & Behavioral Science: SOCA, Social & Behavioral Science: SOCA, Social & Behavioral Science: SOCA

SOCA 107 | Diversity Circles | 1 cr
Small group dialogues that help students become aware of their own biases as well as understand the impact of racism in schools, communities and society. May be taken more than once for credit with different topic.
Offered: Fall, Spring.

SOCA 190 | Special Topics in Sociology | 1-3 cr
Examines selected topics in sociology and/or anthropology.
Prerequisites: None.
Offered: Fall, Spring, Summer.

SOCA 206 | Race and Ethnic Relations in the U.S. | 3 cr
Introduces the formation and dynamics of ethnic and race relations in the United States and their social consequences in terms of marginalizing people and the unfair distribution of their life chances. Fulfills Ethnic Diversity Requirement. Cross-listed with: ETHN 206.
Prerequisites: ANTH 100 or SOCA 101.
Offered: Fall, Spring, Summer.
Meets: Social & Behavioral Science: SOCA, Ethnic Diversity, Social & Behavioral Science: SOCA, Ethnic Diversity, Social & Behavioral Science: SOCA, Ethnic Diversity, Social & Behavioral Science: SOCA, Ethnic Diversity, Social & Behavioral Science: SOCA, Ethnic Diversity

SOCA 207 | Marriage and Family | 3 cr
Surveys nature and functions of the family; cross cultural and/or life course comparisons of marriage and family arrangements; gender role training; premarital and marital social and sexual activities, power dynamics, and other family processes.
Prerequisites: SOCA 101.
Offered: Fall, Spring, Summer.
Meets: Social & Behavioral Science: SOCA, Social & Behavioral Science: SOCA, Social & Behavioral Science: SOCA, Social & Behavioral Science: SOCA, Social & Behavioral Science: SOCA

SOCA 213 | Gender and Society | 3 cr
Explores theory and research on gender roles and gender stratification, focusing on political, economic, family and other settings. Includes historical, cross cultural and subcultural comparisons. Cross-listed with: WGSS 213.
Prerequisites: None.
Offered: Fall, Spring, Summer.

SOCA 216 | Social Issues in Substance Use and Abuse | 3 cr
Explores theory and research on substance abuse including legal (alcohol, tobacco) and controlled substances. Focuses on differences in patterns of chemical use within historical, cultural and class contexts. Includes a community project and provides CBL credit.
Prerequisites: SOCA 101.
Offered: Fall.
Meets: Social & Behavioral Science: SOCA, Community Based Learning, Social & Behavioral Science: SOCA, Community Based Learning, Social & Behavioral Science: SOCA, Community Based Learning, Social & Behavioral Science: SOCA, Community Based Learning, Social & Behavioral Science: SOCA, Community Based Learning

SOCA 227 | North American Indians | 3 cr
Surveys American Indian peoples of the United States and Canada focusing on various aspects of culture, history and recent culture change. Cross-listed with: ANTH 227.
Prerequisites: ANTH 100 or SOCA 101.
Offered: Fall (even years).
Meets: Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity

SOCA 233 | Criminology | 3 cr
Examines past and current theory and research including crime as a consequence of social, economic, political, and personal factors. Includes critique of approaches to prevention and correction.
Cross-listed with: CRMJ 233.
Prerequisites: CRMJ 101 or SOCA 101 or consent of instructor.
Offered: Fall.

SOCA 234 | Juvenile Delinquency and Juvenile Justice | 3 cr
Covers conceptions of juvenile delinquency; the offender in the juvenile justice system; the philosophy, structure and function of juvenile courts; the philosophy, development, and organization of diversion, detention and treatment of the juvenile offender. Cross-listed with: CRMJ 234.
Prerequisites: CRMJ 101 or SOCA 101, or consent of instructor.
Offered: Fall, Spring.

SOCA 235 | Police and Society | 3 cr
Studies the various levels, roles and functions of law enforcement in America; evaluates the nature and responsibilities of law enforcement including police accountability and civil liability. Examines the racial, ethnic, and gender issues in law enforcement. Cross-listed with: CRMJ 235.
Prerequisites: CRMJ 101 or SOCA 101, or consent of instructor.
Offered: Fall, Spring.

SOCA 248 | Report Writing for the Social Sciences | 3 cr
Covers research report writing with the ability to demonstrate an understanding for the relationship among argument, evidence, conclusion, concepts, methods, and theoretical orientations in sociology. Focuses on understanding the format of research papers and improving writing ability. Community-based learning designation.
Prerequisites: SOCA 101; ENGL 101 with a grade of C+ or better.
Offered: Fall, Spring.
Meets: Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning

SOCA 250 | Statistics for the Social Sciences | 4 cr
Introduces descriptive and inferential statistics as applied to measurements of behavior. Focuses on statistical computation, analysis, and interpretation of data using scientific calculator and SPSS statistical software. Examines quantitative solutions and computer output that can be applied in business and social service settings.
Prerequisites: Computational skills, MATH 102 or 104 or 111.
Offered: Fall.

SOCA 290 | Special Topics in Sociology | 1-3 cr
Examines selected topics in sociology.
Prerequisites: SOCA 101.
Offered: Occasionally.

SOCA 295 | Social Science Research Methods | 3 cr
Introduces philosophies, methods and problems of social research; sampling and data collection techniques; questionnaire construction, interviewing techniques, field methods, and content analysis.
Prerequisites: ANTH 100 or SOCA 101; sophomore standing.
Offered: Fall, Spring.

SOCA 300 | Topics in Data Collection and Analysis | 1-3 cr
Develops skills in specific methods of data collection and analysis in sociology. Topics will vary. May be repeated with a different topic.
Prerequisites: SOCA 295.
Offered: Fall, Spring, Summer.

SOCA 301 | Sociological Theory | 3 cr
Explores major sociological concepts and theories, and their application in the analysis of social structures and processes.
Prerequisites: ANTH 100 or SOCA 101; junior standing.
Offered: Fall, Spring.

SOCA 303 | Program Evaluation | 3 cr
Applies theory and methods of program evaluation including measuring and evaluating program outcomes; analyzing community needs; and assessing program impacts. Community-based learning designation.
Prerequisites: SOCA 101.
Offered: Yearly.
Meets: Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning

SOCA 304 | Skill Development in Leadership | 1 cr
Provides training in an aspect of grass-roots leadership, focusing on sociological perspectives. Includes grant writing, team building, and working with media, emphasizing different areas in different semesters. May be repeated for credit.
Prerequisites: ANTH 100 or SOCA 101; junior standing.
Offered: Occasionally.

SOCA 305 | Family Violence | 3 cr
Examines the criminal justice response to family violence, including child abuse, spousal abuse, elder abuse, and date rape. Explores prevalence and extent of family violence as well as strategies for treatment and prevention. Cross-listed with: CRMJ 305.
Prerequisites: CRMJ 101 or SOCA 101.
Offered: Fall.

SOCA 306 | Research in Community Needs | 3 cr
Explores assessment of the needs of a community or environment using the methods of evaluation research. Community-based learning designation.
Prerequisites: ANTH 100 or SOCA 101; junior standing.
Offered: Occasionally.
Meets: Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning

SOCA 307 | Survey Methods | 3 cr
Explores survey research including data collection and data analysis. Multi-career cross-listing: MAPS 507.
Prerequisites: SOCA 295.
Offered: Fall, Spring.

SOCA 319 | Death and Dying | 3 cr
Investigates patterns of behavior and beliefs about death, dying, and bereavement from a sociological perspective. Examines medical, legal, and ethical issues.
Prerequisites: ANTH 100 or SOCA 101.
Offered: Spring.

SOCA 320 | Sociological Social Psychology | 3 cr
Examines the role of larger society in constructing and defining our day-to-day interactions and the relationship between group structures and processes, particularly issues of social inequality.
Prerequisites: SOCA 101 and three additional credits in sociology.
Offered: Fall (even years).

SOCA 321 | Religion and Society | 3 cr
Provides comparative study of religion and society with an emphasis on the major religious traditions. Examines the relationship between religions, beliefs and social values.
Prerequisites: ANTH 100 or SOCA 101.
Offered: Occasionally.

SOCA 322 | Sociology of Language and Knowledge | 3 cr
Introduces the concepts, theoretical frameworks and concerns of sociological linguistics, emphasizing ethnomethodology, language planning, and cultural politics affecting linguistic minorities.
Prerequisites: SOCA 101.
Offered: Occasionally.

SOCA 323 | Institutional Racism in America | 3 cr
Examines racism within various institutions such as public government bodies, private business, and universities. Outlines political, social, ecological, and economic effects of racism. Fulfills Ethnic Diversity Requirement. Multi-career cross-listing: MAPS 523.
Prerequisites: ANTH 100 or SOCA 101.
Offered: Fall, Spring.
Meets: Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity

SOCA 324 | African-American Studies | 3 cr
Examines the experiences of African Americans, both current and historical, using a variety of theoretical models and perspectives. Includes macro-level contexts of those experiences. Fulfills Ethnic Diversity Requirement.
Prerequisites: ANTH 100 or SOCA 101.
Offered: Occasionally.
Meets: Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity

SOCA 326 | Social Gerontology | 3 cr
Examines the quality of life issues among elderly; focuses on medical, social, educational, recreational and economic institutions.
Prerequisites: SOCA 101; junior standing.
Offered: Fall.

SOCA 328 | Asians in American Society | 3 cr
Examines the culture, social, political, historical, and economic experiences of Asians in America. Covers Asian Americans as perpetual foreigners, racism, immigration, citizenship, language, education and job opportunities. Fulfills Ethnic Diversity Requirement.
Prerequisites: ANTH 100 or INTS 103 or SOCA 101.
Offered: Fall.
Meets: Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity

SOCA 329 | Social Institutions in Contemporary China | 3 cr
Introduces the social institutions and changes in contemporary China. Covers population, family, education, economy and politics.
Prerequisites: ANTH 100 or INTS 103 or SOCA 101.
Offered: Fall (odd years).

SOCA 331 | Deviant Behavior | 3 cr
Elucidates theoretical perspectives on deviant behavior and traces the development of how deviance is defined, explained and controlled.
Prerequisites: SOCA 101; junior standing.
Offered: Fall (odd years).

SOCA 332 | Sociology of Mental Illness | 3 cr
Examines mental illness as a social role/social label is examined in terms of institutional and sociocultural factors.
Prerequisites: SOCA 101; junior standing.
Offered: Occasionally.

SOCA 336 | Childhood and Society | 3 cr
Examines childhood as a socially constructed idea with profound effect on our lives and our communities; changing images, definitions, agreements, and rules about childhood; the social structures incorporating childhood; and the relationship of childhood to power distributions and economic inequalities. Community-based learning designation.
Prerequisites: SOCA 101.
Offered: Spring.
Meets: Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning

SOCA 343 | Latinas/os in U.S. | 3 cr
Focuses on the social, political, and cultural dynamics of the Latina/o experience in the U.S. including racial/ethnic identity, racism, economy, immigration, colonialism. Fulfills Ethnic Diversity Requirement. Cross-listed with: ETHN 343.
Prerequisites: ANTH 100 or ETHN 201 or SOCA 101.
Offered: Fall.
Meets: Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity

SOCA 354 | Class, Status and Power | 3 cr
Examines patterns of inequities and their relationship to social conflict, social organization, belief systems, race/ethnic identities, gender roles, and global systems of wealth and power.
Prerequisites: ANTH 100 or SOCA 101.
Offered: Spring.

SOCA 355 | Urbanism and Urbanization | 3 cr
Examines the effects of major historical. economic, political, and architectural trends on class composition of cities.
Prerequisites: ANTH 100 or SOCA 101.
Offered: Occasionally.

SOCA 356 | Political Sociology | 3 cr
Examines the relationship between politics and the larger social structure, such as structure of power in the United States and the economy; political consciousness and the debate on the changing nature of industrial societies. Cross-listed with: POLS 356.
Prerequisites: SOCA 101.
Offered: Occasionally.

SOCA 358 | Introduction to Population Studies | 3 cr
Elucidates population size, composition and processes of migration, including social and economic determinants of demographic changes and their effects on social organization.
Prerequisites: SOCA 101; junior standing.
Offered: Occasionally.

SOCA 359 | Law and Society | 3 cr
Explores selected legal rules, principles, and institutions from a sociological perspective, including influence of culture and social organization on law; role of law in social change; social aspects of the administration of justice; and social knowledge and law. Cross-listed with: CRMJ 359.
Prerequisites: CRMJ 101 or SOCA 101.
Offered: Occasionally.

SOCA 360 | Critical Ethnic Studies | 3 cr
Examines social conditions under which ethnic groups are labeled as "races" in the United States and in selected other societies, focusing on perceptions of whiteness and hybridity and their social consequences. Cross-listed with: ETHN 360.
Prerequisites: ANTH 100 or SOCA 101.
Offered: Occasionally.
Meets: Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity, Ethnic Diversity

SOCA 362 | Migration and Immigration | 3 cr
Examines migration and immigration as major processes of change in the United States and internationally, focusing on migrant communities, social networks, and work activities. Cross-listed with: ANTH 362.
Prerequisites: ANTH 100 or SOCA 101.
Offered: Spring (even years).

SOCA 363 | Corrections | 3 cr
Analyzes the organization of correctional agencies and the role of corrections in the criminal justice system. Includes review of theories, practices, systems, and treatment methods. Cross-listed with: CRMJ 363.
Prerequisites: CRMJ 101 or SOCA 101.
Offered: Fall, Spring.

SOCA 365 | Race, Crime, Law | 3 cr
Explores the intersections of race, crime and law in terms of the historical context, the present day situation and future directions. Focuses on multiple perspectives from offender to victim to criminal justice practitioner. Community-based learning designation. Cross-listed with: CRMJ 365.
Prerequisites: CRMJ 101 or SOCA 101; junior standing.
Offered: Fall, Spring.
Meets: Ethnic Diversity, Community Based Learning, Ethnic Diversity, Community Based Learning, Ethnic Diversity, Community Based Learning, Ethnic Diversity, Community Based Learning, Ethnic Diversity, Community Based Learning

SOCA 367 | LGBTQ Studies | 3 cr
Examines the everyday lives of people in the LGBTQ community as they participate in identity politics, collective action, resistance, and empowerment in a heteronormative society. Cross-listed with: WGSS 367.
Prerequisites: ANTH 100 or SOCA 101 or WGSS 110.
Offered: Occasionally.

SOCA 368 | Victimology | 3 cr
Examines the causes and consequences of crime victimization including the history and recent re-emergence of the study of the victim and types and circumstances of criminal victimization. Addresses victims' rights and the victims' rights movement. Cross-listed with: CRMJ 368.
Prerequisites: CRMJ 101 or SOCA 101.
Offered: Spring.

SOCA 372 | Technology and Society | 3 cr
Examines technology and technological change from perspective of interactions between technology and social organization. Discusses the causes and effects of technological change through critical, structural, contextual, and inter-actionist approaches.
Prerequisites: ANTH 100 or SOCA 101.
Offered: Occasionally.

SOCA 373 | Formal Organization | 3 cr
Examines fundamental issues concerning social organization, including theories and research methods for analyzing organizations; individuals and groups in organizations; organizational structure; communication, leadership and decision-making; and organizational change, and effectiveness.
Prerequisites: SOCA 101; junior standing.
Offered: Fall.

SOCA 374 | Women and Work | 3 cr
Examines the position of women in the work world including the importance of gender in determining definitions and valuations of work. Considers the context of women globally and historically.
Prerequisites: ANTH 100 or SOCA 101.
Offered: Occasionally.

SOCA 375 | Sociology of Education | 3 cr
Analyzes education as an institution that influences and is influenced by society. Reviews the functions of education, how social conflict shapes schools, and the connections between education and social inequality.
Prerequisites: ANTH 100 or SOCA 101.
Offered: Occasionally.

SOCA 376 | Public Health | 3 cr
Investigates the health status of populations and the social, political, economic, and environmental factors that influence health, disease, and illness in populations. Focuses on historical patterns, current challenges, and alternatives for future change.
Prerequisites: ANTH 100 or SOCA 101.
Offered: Spring.

SOCA 379 | Society and Environment | 3 cr
Examines environmental philosophies, movements, attitudes, and issues from a sociological perspective. Considers a diverse, multicultural array of approaches.
Prerequisites: ANTH 100 or SOCA 101.
Offered: Occasionally.

SOCA 380 | Social Welfare as a Social Institution | 3 cr
Delves into American social work, emphasizing recent changes in organization and methods. Includes issues of subcultures and minorities in social welfare institutions.
Prerequisites: SOCA 101.
Offered: Occasionally.

SOCA 390 | Special Topics in Sociology | 1-3 cr
Examines selected topics in sociology.
Prerequisites: SOCA 101.
Offered: Occasionally.

SOCA 406 | Advanced Program Evaluation | 3 cr
Examines the role of research in program planning and implementation. Includes application in a community-based learning project. Multi-career cross-listing: MAPS 606.
Prerequisites: ANTH 300 or a minimum of 2 credits in SOCA 300.
Offered: Spring.

SOCA 455 | International Development and Change | 3 cr
Analyzes comparative social change and international development, focusing on theories of change, the role of development agencies, and case studies of development projects. Cross-listed with: ANTH 455.
Prerequisites: 6 credits of upper-level anthropology or sociology courses.
Offered: Occasionally.

SOCA 490 | Special Topics in Sociology | 1-3 cr
Examines selected topics in sociology.
Prerequisites: SOCA 101; Junior standing.
Offered: Occasionally.

SOCA 492 | Internship in Sociology | 1-4 cr
Provides opportunity for community work experience with emphasis on job preparation skills, i.e., resume writing, networking, interviewing.
Prerequisites: SOCA 101; junior standing; consent of instructor and department chair.
Offered: Fall, Spring, Summer.

SOCA 494 | Field Experience in Sociology | 3 cr
Empirical investigation of an approved topic under the guidance of a sociology professor.
Prerequisites: SOCA 100 or SOCA 101 and junior standing and consent of instructor.
Offered: Fall, Spring, Summer.

SOCA 495 | Senior Seminar | 3 cr
Provides capstone experience for majors, including reflection on competencies gained from the major, how they relate to experiences after graduation, and work on a research project that allows application of skills and competencies learned.
Prerequisites: SOCA 295; ANTH 302 or SOCA 301; and senior standing.
Offered: Fall, Spring.

SOCA 498 | Portfolio | 1 cr
Instructs students in developing a portfolio to document their achievements. Makes explicit their personal and career abilities and goals through completing a resume and through documentation of their attainment of program competencies in their coursework.
Prerequisites: Senior standing or consent of instructor.
Offered: Fall, Spring.

SOCA 499 | Independent Study | 1-4 cr
Provides opportunity for independent work on specific problems in sociology under faculty supervision.
Prerequisites: Sociology major, junior standing; consent of instructor and department chair.
Offered: Fall, Spring, Winterim.

Spanish (SPAN)

SPAN 103 | Introductory Spanish I | 4 cr
Develops basic listening, speaking, reading and writing skills in Spanish.
Prerequisites: Placement or no prior knowledge of Spanish.
Offered: Fall, Spring, Summer.

SPAN 104 | Introductory Spanish II | 4 cr
Continues development of listening, speaking, and writing skills in Spanish.
Prerequisites: SPAN 103 or equivalent or placement.
Offered: Fall, Spring, Summer.

SPAN 111 | Spanish for Singers | 1 cr
To help university vocal and choral students gain theoretical understanding and practical mastery of diction in Spanish as pertains to specific, select songs and choral pieces being learned with texts in those languages. Does not count for credit toward Spanish major or minor.
Prerequisites: Enrollment in vocal music.

SPAN 203 | Intermediate Spanish I | 3 cr
Reviews and further develops listening, speaking, reading and writing skills in Spanish.
Prerequisites: SPAN 104 or equivalent or placement exam.
Offered: Fall.
Meets: Humanities and the Arts: MODL, Humanities and the Arts: MODL, Humanities and the Arts: MODL, Humanities and the Arts: MODL, Humanities and the Arts: MODL

SPAN 204 | Intermediate Spanish II | 3 cr
Continues to review and further develop listening, speaking, reading and writing skills in Spanish.
Prerequisites: SPAN 203 or equivalent or placement exam.
Offered: Spring.
Meets: Humanities and the Arts: MODL, Humanities and the Arts: MODL, Humanities and the Arts: MODL, Humanities and the Arts: MODL, Humanities and the Arts: MODL

SPAN 225 | Contemporary Hispanic Writers in the U.S.A. | 3 cr
An exploration of the literary works on contemporary Hispanic writers. May not be counted toward Spanish major when taught in English.
Prerequisites: None.
Offered: Occasionally.

SPAN 275 | Spanish for Healthcare | 3 cr
Introduces language to develop cultural competency for providing healthcare services for the Hispanic community.
Prerequisites: None.
Offered: Fall, Spring.

SPAN 290 | Special Topics in Spanish | 1-3 cr
Selected topics in Spanish studies will be examined. May not be counted toward Spanish major when taught in English.
Prerequisites: None.
Offered: Occasionally.

SPAN 303 | Spanish Grammar and Composition I | 3 cr
Covers essential points of grammar, emphasizing syntax and development of writing skills.
Prerequisites: SPAN 204 or equivalent or placement; concurrent enrollment in SPAN 321 recommended for major.
Offered: Fall.

SPAN 304 | Spanish Grammar and Composition II | 3 cr
Continues SPAN 303. Covers essential themes of grammar, emphasizing syntax of verbs and the acquiring terminology and skills to facilitate analysis.
Prerequisites: SPAN 303.
Offered: Spring.

SPAN 307 | Advanced Spanish Conversation | 3 cr
Focus on improving oral proficiency through intensive conversation practice. Topics vary. May be repeated for up to 3 elective credits with different topic. May repeat for maximum 3 credits with different topic.
Prerequisites: SPAN 204 or placement in SPAN 303.
Offered: Fall, Spring.

SPAN 318 | Spanish Civilization and Culture | 3 cr
Presents and discusses historical, philosophical, and artistic elements of Spanish society. May be offered in Spanish or English.
Prerequisites: None in English, SPAN 303 in Spanish.
Offered: Occasionally.

SPAN 319 | Latin American Civilization and Culture | 3 cr
Presents and discusses historical, philosophical and artistic elements of Latin America. May be offered in Spanish or English.
Prerequisites: None in English, SPAN 303 in Spanish.
Offered: Occasionally.

SPAN 321 | Spanish and Spanish-American Literature to 1700 | 3 cr
Explores literature of the Spanish-speaking world. Includes American Pre-Colombian, Mozarabic, and Andalusian Arabic literature in translation in addition to Spanish literature of the Peninsula and its colonies.
Prerequisites: SPAN 303.
Offered: Fall.

SPAN 322 | Spanish Literature Since 1700 | 3 cr
Explores Spanish peninsular literature since 1700.
Prerequisites: SPAN 303.
Offered: Spring.

SPAN 325 | Spanish for the Professions | 3 cr
Develops Spanish-language skills needed in various professional fields. Emphasizes specialized vocabulary building, role play, and an understanding of Hispanic culture. Includes Spanish for law enforcement, social services, education, medicine, business, and communications. Community-based learning designation.
Prerequisites: SPAN 303 or equivalent; or concurrent enrollment in 303; or placement in SPAN 325.
Offered: Fall, Spring.
Meets: Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning

SPAN 335 | Spanish American Literature Since 1700 | 3 cr
Explores Spanish-American literature since 1700.
Prerequisites: SPAN 303.
Offered: Spring.

SPAN 341 | Teaching a Foreign Language | 3 cr
Current theories, practices, methods and materials pertinent to teaching a foreign language. Off-campus clinical experiences are an integral part of this course.
Prerequisites: TEDU 210, TEDU 230; Admission to TEDU; SPAN 304 or SPAN 306 or consent of instructor.
Offered: Occasionally.

SPAN 350 | Spanish Phonetics | 3 cr
Theory of Spanish sounds in contrast to English combined with practical laboratory training in pronunciation and orthography. Required of all intending teachers.
Prerequisites: SPAN 304 or equivalent.
Offered: Occasionally.

SPAN 403 | Advanced Spanish Grammar | 3 cr
Analysis of questions of syntax and style; emphasis on idiomatic Spanish.
Prerequisites: SPAN 304 or equivalent.
Offered: Occasionally.

SPAN 413 | Translation | 3 cr
Acquire techniques for translation from English to Spanish. Discuss general theory about common translation problems and practice translation to increase vocabulary and reinforce the structures of the Spanish language.
Prerequisites: SPAN 204 or consent of instructor.
Offered: Occasionally.

SPAN 415 | Spanish for Journalism | 3 cr
Refines writing in Spanish through the process of creating and editing newsworthy articles.
Prerequisites: SPAN 303.
Offered: Occasionally.

SPAN 416 | Children's Literature | 3 cr
Examines the oral and written literature for children in the Spanish speaking world from the pre-Hispanic period to the present.
Prerequisites: SPAN 303.
Offered: Occasionally.

SPAN 417 | Spanish for Criminal Justice | 3 cr
Focuses on legal terminology and proceedings in order to help police officers and other professionals in criminal justice.
Prerequisites: SPAN 303.
Offered: Occasionally.

SPAN 419 | Spanish for Business | 3 cr
Focuses on business terminology and procedure for Spanish-speaking countries. Emphasizing written Spanish supplemented by conversational work.
Prerequisites: SPAN 303.
Offered: Occasionally.

SPAN 420 | Topics in Spanish Literature and Culture | 3 cr
In-depth analysis of an aspect of the literature or culture of Spain. Content will vary. May repeat with different topic.
Prerequisites: SPAN 322 or equivalent, or consent of instructor.
Offered: Fall, Spring.

SPAN 423 | Medical Spanish I | 3 cr
Develops an understanding of the cultural underpinnings of the communicative issues between Hispanic patients and non-Hispanic practitioners in the United States. Focuses on vocabulary and tools necessary for the proper professional medical use of Spanish in clinical settings. Requires participation in clinical settings.
Prerequisites: SPAN 304; BIOS 101 and BIOS 102 or BIOS 105 and BIOS 106 or BIOS 101 and BIOS 103; HIMT 330; LBST 103 or ETHN 343 or SOCA 343 or COMM 365; COMM 340.
Offered: Fall.

SPAN 424 | Medical Spanish II | 3 cr
Continues the development of the cultural perspectives of Hispanic patients in health care settings. Introduces concepts and information necessary to understand basic principles of diseases and clinical testing. Requires participation in clinical settings.
Prerequisites: SPAN 304; BIOS 101 and BIOS 102 or BIOS 105 and BIOS 106 or BIOS 101 and BIOS 103; HIMT 330; LBST 103 or ETHN 343 or SOCA 343 or COMM 365; COMM 340.
Offered: Spring.

SPAN 435 | Topics in Latin American Literature and Culture: | 3 cr
In-depth analysis of an aspect of the literature or culture of Latin America. Content will vary. Course may be repeated under different subtitle.
Prerequisites: SPAN 304 or equivalent, or consent of instructor.
Offered: Fall, Spring.

SPAN 440 | Advanced Studies in Hispanic Literature in Translation | 3 cr
Study of representative Spanish and Latin American works in translation from the standpoint of analytic methods: approaches to critical analysis or problems in the theory of literature (genre theory, comparative study of themes or styles, discussion of literary movements). May be repeated for credit with different subject matters. May not be counted toward Spanish major.
Prerequisites: Junior standing.
Offered: Occasionally.

SPAN 450 | Spanish Second Language Acquisition & Teaching Methods | 3 cr
Introduces field of Spanish second language acquisition. Examines major second language acquisition (SLA) theories and approaches. Focuses on areas of the Spanish language that present significant challenges to learners.
Prerequisites: SPAN 303 or placement; EDU 325.
Offered: Fall.

SPAN 475 | Internship | 1-3 cr
Translation interns work with area businesses and service agencies to furnish translations from and into Spanish. May repeat for credit.
Prerequisites: SPAN 304, Spanish major and consent of instructor and department chair.
Offered: Fall, Spring.

SPAN 490 | Special Topics in Spanish | 1-4 cr
Selected topics in Spanish studies will be examined.
Prerequisites: None.
Offered: Occasionally.

SPAN 494 | Fieldwork in Spanish | 1-6 cr
Application of Spanish in areas of community concern and in local business and industry. May be repeated for maximum of 6 credits.
Prerequisites: Consent of instructor.
Offered: Occasionally.

SPAN 495 | Senior Seminar | 1 cr
Students will develop portfolios that highlight their language skills and review/synthesize their course work in the major.
Prerequisites: Senior standing in Spanish and consent of instructor required.
Offered: Spring.

SPAN 499 | Independent Study | 1-3 cr
Available to qualified students under supervision of individual instructor. Normally, no more than 6 credits of Independent Study may be counted toward the major. Freq: Occasionally.
Prerequisites: Junior standing; consent of instructor and department chair.
Offered: Occasionally.

Sport Management (SPMT)

SPMT 100 | Introduction to Sport Management | 3 cr
Provides an overview of potential careers in the sports industries. Emphasizes skills and abilities needed to successfully obtain and retain a position within the sport field.
Prerequisites: None.
Offered: Yearly.

SPMT 110 | Current Issues in Sport Management | 3 cr
Addresses current issues, events, and headlines in sport management.
Prerequisites: None.
Offered: Yearly.

SPMT 190 | Special Topics in Sport Management | 1-3 cr
Examines selected topics in sport management.
Prerequisites: Varies by topic.
Offered: Occasionally.

SPMT 200 | Ethics and Issues in Sport Management | 3 cr
Explores ethical and behavioral issues as they relate to current issues and problems in sport management. Includes college, youth and professional sport, academic standards, eligibility criteria, sportsmanship, gamesmanship, gambling, diversity, media, athletes as role models, and solving ethical dilemmas confronting professionals in sport management.
Prerequisites: None.
Offered: Fall, Spring.
Meets: Social & Behavioral Science: HKSM, Social & Behavioral Science: HKSM, Social & Behavioral Science: HKSM, Social & Behavioral Science: HKSM, Social & Behavioral Science: HKSM

SPMT 210 | Sport in Society | 3 cr
Investigates past and present roles sport has played within our society including its impact on our educational system, the media, the family, and economic structures. Addresses heritage, social status, personality and race.
Prerequisites: None.
Offered: Fall, Spring.
Meets: Social & Behavioral Science: HKSM, Ethnic Diversity, Social & Behavioral Science: HKSM, Ethnic Diversity, Social & Behavioral Science: HKSM, Ethnic Diversity, Social & Behavioral Science: HKSM, Ethnic Diversity, Social & Behavioral Science: HKSM, Ethnic Diversity

SPMT 220 | Business of Minor League Baseball | 3 cr
Examines the business and governance structure of minor league baseball. Includes discussion on team ownership, market selection, hiring and human resource approaches, revenue generation and facility operations/expenses.
Prerequisites: None.
Offered: Spring (odd years).

SPMT 230 | History of Sport in the United States | 3 cr
Examines the development and transformation of sport from colonial times through the 21st century. Includes major sporting events and athletes that have helped to shape sport, how sport has intersected with other movements in society such as the civil rights and feminist movements, and, how societal shifts have impacted the trajectory of sport.
Prerequisites: None.
Offered: Occasionally.

SPMT 240 | Sports Marketing | 3 cr
Examines basic marketing concepts with application to sport organizations, including promotions and public relations, sponsorship, endorsements, consumer demographics, consumer behavior and market research.
Prerequisites: At least sophomore standing.
Offered: Yearly.

SPMT 241 | Personal Branding and NIL | 3 cr
Focuses on the understanding of the strategic public relations techniques specifically as they apply to personal brands. Covers the passage of laws and rules governing the ability of student athletes to monetize their name, image and likeness (NIL). Discusses how athletic departments and brands interact with student athletes relative to personal branding and marketing opportunities.
Prerequisites: None.
Offered: Occasionally.

SPMT 250 | Game Operations | 3 cr
Explores game-day operations for sporting events. Includes work at UW-Parkside Athletic events, and shadowing a professional sports team.
Prerequisites: None.
Offered: Occasionally.

SPMT 260 | Intramurals, Recreation and Youth Sports | 3 cr
Explores planning, development, and management of intramural, recreational, and youth sports, including best practices, indoor/outdoor recreation, and tournament scheduling.
Prerequisites: None.
Offered: Occasionally.

SPMT 280 | Sophomore Seminar in Sport Management | 1 cr
Provides opportunity for second-year students in the major to develop skills for both college and career success.
Prerequisites: SPMT 100, at least sophomore status.
Offered: Yearly.

SPMT 290 | Special Topics in Sport Management | 1-3 cr
Examines selected topics in sport management.
Prerequisites: Varies with topic.
Offered: Occasionally.

SPMT 300 | Legal Issues in Sport Management | 3 cr
Explains the basic legal system, terminology and principles as applied to sport management. Emphasizes identifying and analyzing legal issues, the ramification of those issues, and the means of limiting liability of sport organizations. Includes negligence, risk management, and contract law.
Prerequisites: Junior or senior standing.
Offered: Yearly.

SPMT 310 | Sports Industry Regulation | 3 cr
An in-depth study of how professional and amateur sports organizations are governed and regulated. Topics include collective bargaining, league constitutions, commissioner/president powers, agent regulation and facility regulation.
Prerequisites: Junior or senior.
Offered: Occasionally.

SPMT 315 | The Business of E-Sports | 3 cr
Explores the business of e-sports including industry governance/administration, revenue generation and facility operations & development. Multi-career cross-listing: MSSM 515.
Prerequisites: At least sophomore status.
Offered: Occasionally.

SPMT 339 | Sustainable Sport Management | 3 cr
Surveys sustainable business techniques employed by sports organizations in the areas of facility financing, facility development, marketing and event operations. Examines how sports organizations employ marketing techniques focused on and including sustainable/green concepts. Multi-career cross-listing: MSSM 539.
Prerequisites: Sophomore standing or above.
Offered: Spring (even years).

SPMT 360 | Sports Communication | 3 cr
Examines how sports organizations interact with the media and fans/customers through various forms of electronic and social media. Multi-career cross-listing: MSSM 560.
Prerequisites: At least sophomore standing.
Offered: Yearly.

SPMT 365 | Sports Broadcasting | 3 cr
Provides an overview of the basics of sports broadcasting including radio, television and streaming platforms. Includes examination of how individuals enter and operate in the industry and practical application of skills. Multi-career cross-listing: MSSM 565.
Prerequisites: At least sophomore status.
Offered: Occasionally.

SPMT 370 | Event Management | 3 cr
Covers the knowledge and skills necessary for event management through theoretical concepts and practical application. Includes planning, conducting, staffing, financing, and evaluating events. Encompasses development of medical emergency, evacuation, crowd control, registration and risk management plans. Community-based learning designation.
Prerequisites: Junior or senior standing.
Offered: Fall, Spring.
Meets: Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning, Community Based Learning

SPMT 380 | Facility Development and Management | 3 cr
Explores planning, development, and management of sport and fitness facilities including standard-setting, financial planning, architectural design, functional concerns, budget, and personnel management.
Prerequisites: Junior or senior standing.
Offered: Yearly.

SPMT 385 | Junior Seminar in Sport Management | 1 cr
Provides opportunity to develop problem solving and critical thinking skills in relation to a career in sport. Covers issues and potential solutions that may occur in sport careers.
Prerequisites: SPMT 280, minimum of junior standing.
Offered: Yearly.

SPMT 390 | Special Topics in Sport Management | 1-3 cr
Examines selected topics in sport management.
Prerequisites: Varies with topic.
Offered: Occasionally.

SPMT 400 | Sports Analytics | 3 cr
Examines the design, collection, analysis, and use of data to measure performance and make decisions in competitive sports. Reviews basic concepts and skills needed to develop and apply analytic skills to sport from different perspectives: coaching, management, business, media, etc. Multi-career cross-listing: MSSM 600.
Prerequisites: Junior or senior standing.
Offered: Yearly.

SPMT 420 | Sport Business and Finance | 3 cr
Explores theory and applications in the fundamental business practices to sport management. Covers revenue sources, budget development, ownership, taxation, financial analysis and economic impact studies.
Prerequisites: Junior or senior standing.
Offered: Fall.

SPMT 430 | Sport Sales and Customer Service | 3 cr
Explores basic sales and customer service concepts as applied to sports organizations. Includes sales techniques, prospect identification and customer service principles.
Prerequisites: At least sophomore standing.
Offered: Yearly.

SPMT 431 | Advanced Sport Sales Tickets and Premium Seating | 3 cr
Explores techniques employed by sport organizations to sell tickets. Covers how professional and amateur sport organizations retain and expand ticket sales on a consistent basis. Includes ticketing technology and ticket plans, as well as tactics for new sales, corporates sales, and retention.
Prerequisites: SPMT 430.
Offered: Yearly.

SPMT 432 | Advanced Sport Sales: Sponsorships and Corporate Inventory | 3 cr
Dives into the entire sponsorship process as it relates to athletics and commercial sport operations, including the creation, and application of sponsorships to specific scenarios.
Prerequisites: SPMT 430.
Offered: Yearly.

SPMT 435 | Athletic Fundraising | 3 cr
Examines the development of successful fundraising programs in interscholastic and intercollegiate athletic programs. Multi-career cross-listing: MSSM 635.
Prerequisites: Junior or senior standing.
Offered: Yearly.

SPMT 439 | Sport Sales Practicum | 3 cr
Provides opportunity to develop and apply professional skills through supervised work in the field of sport sales.
Prerequisites: SPMT 430, consent of instructor and department chair.
Offered: Occasionally.

SPMT 440 | Advanced Studies in Health and Sport Leadership | 3 cr
Addresses significant issues faced by industry leaders in health and sport industries and explores practical resolution approaches. Multi-career cross-listing: MSSM 640.
Prerequisites: Senior Standing; AHS or SPMT major.
Offered: Occasionally.

SPMT 480 | Senior Seminar in Sport Management | 3 cr
Provides capstone experience for sport management majors in their last year. Discusses current industry materials and topics. Includes an individual research project.
Prerequisites: Accepted into sport management major; senior standing, minimum 2.5 major GPA.
Offered: Fall, Spring.

SPMT 490 | Special Topics in Sport Management: | 1-3 cr
Examines selected topics in sport management.
Prerequisites: Varies with topic.
Offered: Occasionally.

SPMT 494 | Internship | 1-3 cr
Provides opportunity for practical application of the methods and techniques in various sports fields under supervisions of a SPMT faculty member. May be repeated for a maximum of 6 credits.
Prerequisites: Consent of instructor and department chair.
Offered: Fall, Spring, Summer.

SPMT 495 | Fieldwork in Sport Management | 1-12 cr
Provides supervised field-based sport management experience in the conditions, practices, and environmental settings appropriate for the field. Requires placement approval by SPMT faculty member. Must be completed in the student's last year of coursework.
Prerequisites: Accepted sport management major with a minimum major GPA of 2.5.
Offered: Fall, Spring, Summer.

SPMT 499 | Independent Study | 1-4 cr
Provides opportunity to conduct independent work under appropriate faculty supervision.
Prerequisites: Consent of instructor and department chair.
Offered: Fall, Spring, Summer.

Sustainable Management (SMGT)

SMGT 115 | Environmental Science and Sustainability | 3 cr
Overview of the interrelationships between humans and the environment. The material presented in the first one-third of the course focuses on important ecological concepts. The remainder of the course deals with human influences on the environment and sustainable practices to avoid or ameliorate the negative impacts. The ecological concepts are used throughout to identify, understand, and provide a basis for proposing possible solutions to contemporary environmental problems. Overall, this course will provide the student with a better understanding of how humans can more positively affect the environment in which they live.
Prerequisites: Admitted sustainable management majors only or program advisor consent on space available basis.
Offered: Occasionally.

SMGT 220 | Systems Thinking | 3 cr
Students will use systems thinking to apply the concepts of sustainability in various business, social, and scientific contexts. Rather than looking at a problem by analyzing their component parts, students will learn to analyze whole systems. Students will then model the relationships and behaviors to identify leverage points for change.
Prerequisites: College Math, admitted sustainable management majors only or program advisor consent on space available basis.
Offered: Occasionally.

SMGT 230 | Triple Bottom Line Accounting for Managers | 3 cr
Students will be introduced to the discipline of financial and managerial accounting and learn how this information is used. Students will gain a basic knowledge of the preparation of financial statements and their analytical use. Further, students will explore how this accounting information is applied by managers in the decision-making process helping organizations meet the triple bottom line (strong profits, healthy environment, and vital communities).
Prerequisites: College Math, admitted sustainable management majors only or program advisor consent on space available basis.
Offered: Occasionally.

SMGT 235 | Economics in Society and Sustainability | 3 cr
General introductory course highlighting economics, social and environmental issues facing society. In addition to covering traditional issues such as markets and prices (microeconomics), government economic management (macroeconomics), and international trade, it also introduces economic content into the analysis of selected topics such as poverty and discrimination, the environment, and the provision of government services. Critiques of conventional economic thought, within the context of systems thinking and ecological economics, are integrated throughout the course.
Prerequisites: College Math, admitted sustainable management majors only or program advisor consent on space available basis.
Offered: Occasionally.

SMGT 240 | Business Communications for Sustainable Management | 3 cr
Interdisciplinary professional and technical communication course that applies knowledge of sustainability principles and develops rhetorical skills for a variety of audiences in social, economic, and environmental contexts.
Prerequisites: Admitted sustainable management majors only or program advisor consent on space available basis.
Offered: Occasionally.

SMGT 250 | Sustainable Agriculture and Food Security | 3 cr
This course offers an in-depth assessment of the economic, social, and environmental considerations of production agricultural systems that provide safe, reliable, and affordable food supplies for a growing human population. In addition to the maintenance of the economic viability of production agricultural systems, course topics will focus on: the maintenance of soil, water, and air resources; addressing issues of biodiversity loss; and, maintenance of rural community character and economics. Economic, regulatory, and public entity tools that promote sustainability in production agriculture will also be addressed.
Prerequisites: SMGT 115; admitted sustainable management majors only or program advisor consent on space available basis.
Offered: Occasionally.

SMGT 305 | Climate Change and Sustainability | 3 cr
This course focuses on climate change science and greenhouse gases, natural and human impacts of climate change, and sustainable and efficient strategies to limit carbon emissions. The course is divided into three major areas: 1) climate science and measured impacts, 2) modeled predictions and mitigation/adaption strategies, 3) sustainable and carbon neutral practices. This course will emphasize not only the economics of carbon budgeting and increasing efficiency but also the human role in creating and solving climate change and the discrepancies in who, where, and what will be impacted by both climate change and the necessary solutions.
Prerequisites: College Math, admitted sustainable management majors only or program advisor consent on space available basis.
Offered: Occasionally.

SMGT 310 | Ecology for Sustainable Management | 3 cr
Interrelationships of organisms with each other and their environments. Investigation into composition and dynamics of populations, communities, ecosystems, landscapes, and the biosphere with emphasis on sustainability.
Prerequisites: Introductory Biology or SMGT 115; admitted sustainable management majors only or program advisor consent on space available basis.
Offered: Occasionally.

SMGT 320 | Renewable Energy for Sustainable Management | 3 cr
Discusses sustainability as it relates to the world's increasing use of energy. Considers the potential harm done via greenhouse gases and prospects for large-scale implementation of more benign sources. Covers basic engineering principles and applications.
Prerequisites: College Math; admitted sustainable management majors only or program advisor consent on space available basis.
Offered: Occasionally.

SMGT 325 | Natural Resource Management | 3 cr
Examines the interdependence between natural resources associated with land, air, and water. Explores significant environmental issues regarding the policies and problems in the use and management of natural resources related to soils, vegetation, landscape within the context of social needs and sustainability..
Prerequisites: Admitted sustainable management majors only or program advisor consent on space available basis.
Offered: Occasionally.

SMGT 330 | Marketing for a Sustainable World | 3 cr
Analyzes an organization's opportunities to develop sustainability practices as they relate to the development of product, pricing, supply and distribution channels (retail, wholesale), promotion (advertising, sales promotion, public relations), target markets and reporting methodologies.
Prerequisites: SMGT 235; admitted sustainable management majors only or program advisor consent on space available basis.
Offered: Occasionally.

SMGT 331 | Sustainable Organizational Finance | 3 cr
An introduction to the theory and methods of sustainable organizational finance. Topics include financial statements; discounting and budgeting; uncertainty and risk/reward trade-offs; and assessing the financial implications of the triple bottom line (e.g. climate change, carbon trading, human resource management, and creating environmentally-conscious shareholder value).
Prerequisites: Sustainable management major or program advisor consent.
Offered: Fall, Spring.

SMGT 332 | Economics of Environmental Sustainability | 3 cr

Provides an examination of the interaction between market activity and the environment as well as the use of economic decision making to manage the environment. This course applies economic analysis to the efficient and sustainable management of environmental goods and resources, and examines how economic institutions and policies can be changed to bring the environmental impacts of economic decision-making more into balance with human desires and the needs of the ecosystem. The last unit of the course serves as an introduction to the theory, methods, and application of sustainable organizational finance. Topics include financial statements, discounting and budgeting, uncertainty and risk/reward trade-offs, and assessing the financial implications of the triple bottom line (e.g., climate change, carbon trading, human resource managements, and the creation of environmentally conscious shareholder value)..

Prerequisites: Admitted sustainable management majors only or program advisor consent on space available basis.

Offered: Occasionally.

SMGT 335 | Management and Environmental Information Systems | 3 cr

This course presents an overview of different technologies and information systems used in modern organizations. It covers various information systems for analyzing organizational data and processes. It presents tools for managing projects, promoting collaboration, and teamwork in the workplace. This course provides students hands-on experience with the information systems and technology tools. It also covers technologies that promote sustainability, and includes topics such as green computing and low-carbon technologies.

Prerequisites: SMGT 230; admitted sustainable management majors only or program advisor consent on space available basis.

Offered: Occasionally.

SMGT 340 | Organizational Behavior and Sustainability | 3 cr

Management principles and theories underlying human behavior in organizations are investigated. Topics include personality, motivation, communication, decision-making, leadership, teamwork, ethics, power, diversity, and work stress. Constraints and opportunities of an "eco" friendly organization are realized.

Prerequisites: Public Speaking; admitted sustainable management majors only or program advisor consent on space available basis.

Offered: Occasionally.

SMGT 360 | Environmental and Sustainability Policy | 3 cr

Topics include the spectrum of historical, theoretical and technical issues applicable to sustainable management of natural resources, environmental quality standards and risk management. Administrative structures that form the basis for selecting appropriate responses to complex management problems faced by industry, government and non-governmental agencies are identified. The historical development and current framework of public policy are investigated and specific foundational legislation is critiqued..

Prerequisites: SMGT 115; admitted sustainable management majors only or program advisor consent on space available basis.

Offered: Occasionally.

SMGT 370 | Logistics, Supply Chain Management and Sustainability | 3 cr

An introduction to the concepts, functions, processes, and objectives of logistics and supply chain management activities. It covers those activities that are involved in physically moving raw materials, inventory, and finished goods from point of origin to point of use or consumption. It covers the planning, organizing, and controlling of such activities, and examines the role of supply chain processes in creating sustainable competitive advantage with respect to quality, flexibility, lead-time, and cost. Topics include customer service, inventory management, transportation, warehousing, supply chain management, reverse logistics, green supply chains and international logistics. Prior knowledge of Excel spreadsheet applications is recommended.

Prerequisites: Statistics course; admitted sustainable management majors only or program advisor consent on space available basis.

Offered: Occasionally.

SMGT 410 | Corporate Social Responsibility and Sustainability | 3 cr

Corporate Social Responsibility (CSR) and the organization. First and foremost, this course will enable students to understand the rationale behind CSR and sustainability. This course takes students through an evaluation of risks and potential impacts in decision making, enabling them to recognize the links between the success of an organization and the well-being of a community/society. Additionally, methods and standards of integrating CSR throughout an organization, creating metrics and communicating CSR policies internally and externally will be discussed an analyzed. Students will develop an understanding of best practices of CSR in its entire breadth within an organization as well as delve into economic structures designed to foster more responsibility and accountability.

Prerequisites: Admitted sustainable management majors only or program advisor consent on space available basis.

Offered: Occasionally.

SMGT 420 | The Built Environment and Sustainability | 3 cr

This course addresses the impacts of the human-built environment on natural systems and opportunities available to mitigate them through thoughtful planning, design, and implementation techniques to provide desirable, affordable, and sustainable living and working spaces. Topics focus on providing critical infrastructure for economic development, housing, transportation, and utilities while protecting and enhancing environmental assets through effective site and building design, public input, and use of regulatory tools. Additional attention is given to the maintenance of community character and the economic and social interdependence of rural, exurban, suburban, and urban areas.

Prerequisites: Admitted sustainable management majors only or program advisor consent on space available basis.

Offered: Occasionally.

SMGT 430 | International Management for a Sustainable World | 3 cr

Analysis of the theory and practice of managing international organizations including socio-cultural aspects and group dynamics of international business and service organizations through the study of sustainable management practices. Implementation of a triple bottom line solution to organizational problems will be emphasized.

Prerequisites: SMGT 235; sustainable management major or program advisor consent.

Offered: Fall, Spring.

SMGT 435 | International Development and Sustainability | 3 cr
This course examines the international sustainability concerns. It explores interrelationships of sustainable management practices with population growth, health, food security, poverty, inequality, urbanization, international trade, technology and environmental change at local, regional, and global levels. Contemporary issues and alternatives will be explored to identify sustainable management practices that can lead to strong profitability, healthy environments, and vibrant communities.
Prerequisites: SMGT 235; admitted sustainable management majors only or program advisor consent on space available basis.
Offered: Occasionally.

SMGT 460 | Environment and Society | 3 cr
Introduces the fundamentals of human-environmental interaction; a grasp of how these interactions create problems; and how the elements of social, technological, and personal choices combine to overcome them.
Prerequisites: SMGT 115; admitted sustainable management majors only or program advisor consent on space available basis.
Offered: Occasionally.

SMGT 495 | Sustainable Management Capstone | 3 cr
An application and study of sustainable management through the solution of an industry-based project. Implementation of a triple bottom line solution to industrial problems will be emphasized.
Prerequisites: Senior standing; instructor consent, admitted sustainable management major only or program advisor consent on space available basis.
Offered: Occasionally.

SMGT 700 | Cultural and Historical Foundations of Sustainability | 3 cr
The changing relationships of humans to the natural environment; changes in dominant scientific perspectives and the process of scientific debate. The quest for understanding, manipulating, and dominating the natural world. Cultural and organizational structures; the role and impact of technology; the systems approach to problem solving and its implications for the future.
Prerequisites: Sustainable management major or program advisor consent.
Offered: Fall, Spring, Summer.

SMGT 710 | The Natural Environment | 3 cr
Natural cycles, climate, water, energy, bio-systems, the role of humans in the biosphere; human impacts on natural systems. Use of case studies; some pre-reading, carbon cycle as a unifying theme. Disturbance pollution and toxicity; carrying capacity; natural capital.
Prerequisites: Sustainable management major or program advisor consent.
Offered: Fall, Spring, Summer.

SMGT 720 | Applied Research and the Triple Bottom Line | 3 cr
Document and project internal and external costs resulting form the inseparability of the natural, social and economic environments. Assesses sustainability issues using basic modeling techniques; cause and effect, root cause analysis, regression analysis and business scenario based cases.
Prerequisites: Sustainable management major or program advisor consent.
Offered: Fall, Spring, Summer.

SMGT 730 | Policy, Law, and the Ethics of Sustainability | 3 cr
The Law and Ethics regarding sustainability of Economic development and emerging environmental challenges at national and international levels; including National Environmental Policy Act (NEPA), United Nations Environmental Program (UNEP), Carbon Footprints, Kyoto protocol, and Brundtland Commission. The policy and role of government and its agencies such as Army Corps of Engineers; Department of Interior, etc., in building a more just, prosperous, and secure environmental common future.
Prerequisites: Sustainable management major or program advisor consent.
Offered: Fall, Spring, Summer.

SMGT 740 | Economics of Sustainability | 3 cr
Understanding the economy as a component of the ecosystem within it resides, with natural capital added to the typical analysis of human, social, built, and financial capital. Explores traditional micro, macro, and international trade theory and policy and the implications of sustainability. Topics include: history of economic systems and thought; globalization and localization; distinguishing between growth and development; the nature and causes of market failure; consumption, consumerism, and human well-being; emerging markets; technological change; business organization and financial market alternatives; demographic change; and the global economy.
Prerequisites: Sustainable management major or program advisor consent.
Offered: Fall, Spring, Summer.

SMGT 750 | The Built Environment | 3 cr
Explore how the built environment came to be and the intersection of human needs: water, air, food, water, waste, transportation, healthcare and education. Evaluate community design; what does a sustainable community look like? Study related technologies and evaluate alternatives, discuss unintended consequences. Course will include case studies.
Prerequisites: Sustainable management major or program advisor consent.
Offered: Fall, Spring, Summer.

SMGT 760 | Geopolitical Systems-Decision Making For Sustainability on the Local, State, and National Level | 3 cr
An examination of decision making and public policy for sustainability at the national, state and local level, with emphasis on the social, economic, political factors affecting decisions within both the public and private sectors. Attention is given to formal American policymaking processes, informal grassroots activities and consensus building, public engagement with sustainability decisions, corporate sustainability actions and reporting, the promise of public-private partnerships and collaborative decision making, and practical examples of how decision making fosters effective transitions to sustainability goals at all levels.
Prerequisites: Sustainable management major or program advisor consent.
Offered: Fall, Spring, Summer.

SMGT 770 | Leading Sustainable Organizations | 3 cr
A macro-level perspective on leading sustainable organizations. Topics addressed include: organizational change and transformation processes, strategic and creative thinking, organizational structures and their impacts, conflict management and negotiation, stakeholders management and situational leadership styles and behaviors. Focuses on how organizational leaders develop and enable sustainable organizations, especially in times of environmental change.
Prerequisites: Sustainable management major or program advisor consent.
Offered: Fall, Spring, Summer.

SMGT 780 | Corporate and Social Responsibility | 3 cr
Corporate social responsibility and an organization. Evaluation of risks and potential impacts in decision making recognizing the links between the success of an organization and the well being of a community. Integrating corporate social responsibility throughout an organization, creating metrics and communicating CSR policies internally and externally. Development of best practices in an organization pertaining to corporate social responsibility.
Prerequisites: Sustainable management major or program advisor consent.
Offered: Fall, Spring, Summer.

SMGT 782 | Supply Chain Management | 3 cr
Planning, organizing and controlling the organization's supply chain is examined in context of the triple bottom line. Total cost analysis of product and process life cycles are considered in the context of strategy and operations. Topics include: sourcing, operations, distribution, reverse logistics and service suply chains. Process measurements and the impact on organizational performance in the context of footprints (e.g. carbon, water, pollution). Discussion of existing and potential software systems.
Prerequisites: Sustainable management major or program advisor consent.
Offered: Fall, Spring, Summer.

SMGT 784 | Sustainable Water Management | 3 cr
This course addresses practical applications of sustainability in aquatic environments. Topics covered include water and health, water quality and quantity, governance, assessing the aquatic environment, water treatment technologies, environmental mitigation, and impacts of climate change. emphasis will be on selected areas of interest from the perspective of public health, engineering, and municipal conservation management.
Prerequisites: Sustainable management major or program advisor consent.
Offered: Fall, Spring, Summer.

SMGT 785 | Waste Management and Resource Recovery | 3 cr
Topics include the generation, processing, management and disposal of municipal, industrial and agricultural waste with an emphasis on the technical, economic and environmental aspects of various recovery processes.
Prerequisites: Sustainable management major or program advisor consent.
Offered: Fall, Spring, Summer.

SMGT 786 | Climate Change | 3 cr
In this course, you will explore climate change through scientific, humanistic, and sustainability frameworks. After building a strong foundation in the causes, impacts, and study of climate change, you will apply this understanding to evaluate scientific communication, environmental justice and vulnerability, and environmental policy to find solutions and strategies to address anthropogenic climate change.
Prerequisites: Sustainable management major/program or program advisor consent.
Offered: Fall.

SMGT 790 | Capstone Preparation Course | 1 cr
Research, data, analysis, scholarly inquiry resulting in project proposal.
Prerequisites: Sustainable management major or program advisor consent.
Offered: Fall, Spring, Summer.

SMGT 792 | Capstone Project | 3 cr
Completion of approved project utilizing concepts from coursework.
Prerequisites: Sustainable management major or program advisor consent.
Offered: Fall, Spring, Summer.

SMGT 795 | Special Topics in Sustainable Management | 3 cr
Various specialized areas in sustainable management will be examined.
Prerequisites: Sustainable management major or program advisor consent.
Offered: Fall, Spring, Summer.

Theatre Arts (THEA)

THEA 10 | Theatre Practicum I | 1 cr
Provides practical experience through participation in theatre arts productions, focusing on scenery, props, costumes, makeup, lighting, projections, or sound. May be repeated for a maximum of four credits.
Prerequisites: Consent of instructor.
Offered: Fall, Spring.

THEA 12 | Theatre Practicum II | 1 cr
Practical experience through participation in the creation of scenery, lighting, costumes, scene painting, or props for productions sponsored by theatre arts. May be repeated in different areas for a maximum of 6 credits. An average of three hours required per week.
Prerequisites: None.
Offered: Fall, Spring.

THEA 14 | Performance Practicum | 1-3 cr
Provides experience as a performer or understudy in a production. Includes opportunities to develop and practice introductory skills in auditioning, script analysis, character development, rehearsal techniques, and performance. May be repeated for a maximum of 6 credits.
Prerequisites: Audition and consent of instructor.
Offered: Fall, Spring.

THEA 50 | Company Participation | 0 cr
Requires participation in theatre arts company activities, including: performance attendance, production auditions, production work days, production strikes, field trips, academic reviews, and talent reviews. Required of all theatre arts majors and minors each semester. Field trips to theatrical productions. Field trip fee required.
Prerequisites: Theatre arts major or minor.
Offered: Fall, Spring.

THEA 100 | Theatre Arts Seminar | 1 cr
Provides opportunity to clarify professional goals, explore areas of interest, and learn how to work effectively as a member of a theatre arts company.
Prerequisites: Consent of instructor.
Offered: Fall.

THEA 105 | Musical Theatre Class Voice | 1 cr
Introduces basic singing technique. Emphasizes vocal aesthetics appropriate for the genre of American Musical Theatre.
Prerequisites: Theatre Arts major and consent of instructor.
Offered: Fall.

THEA 110 | Theatre Appreciation | 3 cr
Explores enjoyment and understanding of the art of theatre. Examines the teamwork involved to create live entertainment and the impact of theatre on society from ancient history to present day. Reviews plays and live theatrical performances. Open to all students. Requires field trip/ticket fee.
Prerequisites: None.
Offered: Fall, Spring.
Meets: Humanities and the Arts: THEA, Humanities and the Arts: THEA, Humanities and the Arts: THEA, Humanities and the Arts: THEA, Humanities and the Arts: THEA

THEA 112 | Behind the Scenes | 3 cr
Explores the fundamentals of sets, lights, costumes, makeup, sound, and props for theatre and film. Includes lecture, demonstration and lab experiences with award-winning UW-Parkside productions. Requires attendance and critique on-campus theatrical productions. Open to all students. Requires field trip/ticket fee.
Prerequisites: None.
Offered: Occasionally.
Meets: Humanities and the Arts: THEA, Humanities and the Arts: THEA, Humanities and the Arts: THEA, Humanities and the Arts: THEA, Humanities and the Arts: THEA

THEA 114 | Musical Theatre Appreciation | 3 cr
Focuses on the building of a musical, different jobs in the industry, and the history of musical theatre. Examines the nature, function, and basic theories of drama through application to various techniques used in contemporary musical theatre.
Prerequisites: None.
Offered: Fall.
Meets: Humanities and the Arts: THEA, Humanities and the Arts: THEA, Humanities and the Arts: THEA, Humanities and the Arts: THEA, Humanities and the Arts: THEA

THEA 115 | Musical Theatre Applied Voice | 1 cr
Provides private instruction in voice based on individual ability level and technical skills as it relates to the specific demands of musical theatre. Requires fees.
Prerequisites: Consent of instructor.
Offered: Fall, Spring.

THEA 121 | Theatrical Makeup | 3 cr
Covers basic principles and techniques of theatrical makeup. Requires fees.
Prerequisites: Theatre Arts major or Theatre Arts minor or consent of instructor.
Offered: Spring.

THEA 125 | Acting I: Fundamentals of Acting | 3 cr
Explores foundations of acting and script analysis based on methods of Konstanin Stanislavski. Focuses on acting exercises, discussion, and how these activities can improve communication, create flexibility, and introduce the actor to important interpretive and interpersonal skills. Emphasizes acting through doing. Includes exercises, monologues and scene work. Not available for audit. Requires attendance at theatrical productions.
Prerequisites: None.
Offered: Fall.
Meets: Humanities and the Arts: THEA, Humanities and the Arts: THEA, Humanities and the Arts: THEA, Humanities and the Arts: THEA, Humanities and the Arts: THEA

THEA 132 | Stagecraft | 4 cr
Explores procedures and theories of theatrical production. Includes scenic construction, scenic painting, stage equipment, stage lighting, sound, technical personnel duties, practical applications. Includes 3 hours of lecture and 2 hours of a separate lab component per week. Requires attendance and critique of theatrical productions; lab fees.
Prerequisites: None.
Offered: Fall.

THEA 133 | Costumecraft | 4 cr
Introduces costume theory and practical construction. Involves the use of shop equipment, and costume production skills, including sewing and textiles. Required lab component with practical applications through work on current productions. Requires fees.
Prerequisites: Consent of Instructor.
Offered: Fall, Spring.

THEA 150 | Text Analysis for the Theatre | 3 cr
Provides performers, designers, directors, and technicians with a variety of viable approaches and critical methodologies useful in reading, researching, analyzing, interpreting, and creatively engaging with a variety of significant scripts from the classical and contemporary theatre.
Prerequisites: None.
Offered: Fall.

THEA 160 | Principles of Theatrical Design | 3 cr
Introduces the fundamental elements and principles of design and how they apply to the development and creation of production elements for live theatre productions. Requires field trips to theatrical productions; requires fees.
Prerequisites: Theatre Arts major or Theatre Arts minor or consent of instructor.
Offered: Fall, Spring.

THEA 174 | Ballet I | 1 cr
Introduces basic technique, terminology, and history of ballet. May be repeated for a maximum of three credits. Cross-listed with: PE 174.
Prerequisites: Consent of instructor.
Offered: Occasionally.

THEA 175 | Tap Dance I | 1 cr
Introduces fundamental skills of American tap dance through movement, choreography, and the examination of dance history. Cross-listed with: PE 175.
Prerequisites: Consent of instructor.
Offered: Occasionally.

THEA 176 | Jazz Dance I | 1 cr
Introduces concepts of jazz dance through movement, choreography, and history. May be repeated for a maximum of three credits. Cross-listed with: PE 176.
Prerequisites: Consent of instructor.
Offered: Occasionally.

THEA 177 | Musical Theatre Dance I | 1 cr
Explores the role of dance in musical theatre through both performance and research. May be repeated for a maximum of three credits. Cross-listed with: PE 177.
Prerequisites: Consent of instructor.
Offered: Occasionally.

THEA 178 | Modern Dance I | 1 cr
Introduces the fundamental skills of modern dance through movement, choreography, and the examination of dance history. May be repeated for a maximum of three credits. Cross-listed with: PE 178.
Prerequisites: Consent of instructor.
Offered: Occasionally.

THEA 179 | Hip-Hop Dance I | 1 cr
Introduces elements of hip-hop dance, including technique, movement, musical rhythm, tempo, and phrasing. May be repeated for a maximum of three credits. Cross-listed with: PE 179.
Prerequisites: Consent of instructor.
Offered: Occasionally.

THEA 208 | Multicultural Theatre in America | 3 cr
Examines African American, Asian American, Latino American, and Native American cultures utilizes dramatic texts, live performance events, and anthropological research as a means of exploring and understanding voices of diversity expressed on the American stage in the past 50 years. Cross-listed with: ETHN 208.
Prerequisites: ENGL 101.
Offered: Occasionally.
Meets: Humanities and the Arts: THEA, Ethnic Diversity, Humanities and the Arts: THEA, Ethnic Diversity, Humanities and the Arts: THEA, Ethnic Diversity, Humanities and the Arts: THEA, Ethnic Diversity, Humanities and the Arts: THEA, Ethnic Diversity

THEA 212 | Intermediate Technical Production | 2-3 cr
Student serves as supervisor, crew head, or assistant designer for a production. Participation may include but is not limited to scenery, props, costume, makeup, sound or lighting. Additional written and visual research required depending on position.
Prerequisites: THEA 010, THEA 132, THEA 133 and consent of instructor.
Offered: Fall, Spring.

THEA 213 | Assistant Stage Manager | 1-3 cr
Provides experience as an assistant stage manager for a production. May be repeated in a different area for a maximum of 6 credits.
Prerequisites: THEA 10, THEA 132 and consent of instructor.
Offered: Fall, Spring.

THEA 214 | Intermediate Performance Practicum | 1-3 cr
Provides experience as a performer or understudy in a production. Includes opportunities to develop and practice intermediate skills in auditioning, script analysis, character development, rehearsal techniques, and performance. May be repeated for a maximum of 6 credits.
Prerequisites: Audition, THEA 014.
Offered: Fall, Spring.

THEA 215 | Queer Representation on Stage and Screen | 3 cr
Examines the portrayal and representation (or lack of representation) of LGBTQIA+ voices and identities in plays and film through theory and criticism. Cross-listed with: WGSS 215.
Prerequisites: None.
Offered: Spring (even years).
Meets: Humanities and the Arts: THEA, Humanities and the Arts: THEA, Humanities and the Arts: THEA, Humanities and the Arts: THEA, Humanities and the Arts: THEA

THEA 218 | Introduction to Arts Administration | 3 cr
Introduces the "business of the arts," providing an overview of the careers in arts administration, the types of work that arts administrators do, and the current issues and trends now affecting arts administrative professionals.
Prerequisites: None.
Offered: Occasionally.

THEA 224 | Acting for the Camera | 3 cr
Prepares students for performance in film, video, and television. Emphasizes developing a specific approach to the special challenges of camera acting, understanding students' unique gifts as performers, and expressing themselves effectively. Focuses on the business side of acting including audition techniques, creating resumes, and dealing with talent agencies.
Prerequisites: THEA 125.
Offered: Spring.

THEA 225 | Acting II: Shakespeare | 3 cr
Introduces tools and techniques for interpreting, embodying, and bringing Shakespeare's language to life. Focuses on physical and vocal development for the demands of acting Shakespearean verse and prose, including Folio Technique.
Prerequisites: THEA 125; Theatre Arts major or Theatre Arts minor or consent of instructor.
Offered: Spring.

THEA 228 | Voice and Movement I | 3 cr
Focuses on individual development and use of the voice and body for performance. Covers integrated BodyVoice connection, International Phonetic Alphabet, and major dialects.
Prerequisites: THEA 125; Theatre Arts major or Theatre Arts minor or consent of instructor.
Offered: Spring.

THEA 243 | Drafting for Entertainment Design | 3 cr
Explores computer-aided design and drafting for products, furniture, interiors and architecture using VectorWorks. Includes engineering and architectural drafting, notation, lettering and designing.
Prerequisites: DFAB 170, DFAB 171, DFAB 172 or consent of instructor.
Offered: Fall.

THEA 250 | Stage Combat I | 3 cr
Introduces basic unarmed and blade stage combat techniques, focusing on physical awareness, balance, coordination, collaboration, and safety. Incorporates acting within choreography.
Prerequisites: THEA 125; Theatre Arts major or Theatre Arts minor or consent of instructor.
Offered: Fall.

THEA 260 | Theatre Crafts | 3 cr
Introduces the theories, methods, and processes of various types of costume crafts and stage props used in theatre. Includes basic furniture upholstery and finishing, fabric dyeing and manipulation, mask making, and millinery. Requires field trips to theatrical productions; additional fees and materials.
Prerequisites: THEA 132, THEA 133; Theatre Arts major or Theatre Arts minor or consent of the instructor.
Offered: Fall (even years).

THEA 263 | Stage Management Workshop | 3 cr
Provides opportunity to contribute to the production process as a stage manager focusing on organization, leadership, and communication.
Prerequisites: None.
Offered: Occasionally.

THEA 274 | Ballet II | 1 cr
Emphasizes intermediate/advanced ballet technique and the application of movement principles essential to the training of the dancer. May be repeated for a maximum of three credits. Cross-listed with: PE 274.
Prerequisites: Consent of instructor.
Offered: Occasionally.

THEA 275 | Tap Dance II | 1 cr
Focuses on intermediate and advanced tap steps through exercises, choreography, and discussions. May be repeated for a maximum of three credits. Cross-listed with: PE 275.
Prerequisites: Consent of instructor.
Offered: Occasionally.

THEA 276 | Jazz Dance II | 1 cr
Focuses on advanced styles and techniques in jazz dance through movement and choreography. May be repeated for a maximum of three credits. Cross-listed with: PE 276.
Prerequisites: Consent of instructor.
Offered: Occasionally.

THEA 277 | Musical Theatre Dance II | 1 cr
Focuses on choreographed dance combinations from the musical theatre canon to prepare for professional auditions. May be repeated for a maximum of three credits. Cross-listed with: PE 277.
Prerequisites: Consent of instructor.
Offered: Occasionally.

THEA 278 | Modern Dance II | 1 cr
Introduces advanced skills of modern dance through movement and choreography, and examines dance history. May be repeated for a maximum of three credits. Cross-listed with: PE 278.
Prerequisites: Consent of instructor.
Offered: Occasionally.

THEA 279 | Hip-Hop Dance II | 1 cr
Focuses on advanced footwork, techniques, and combinations. Emphasizes both technical skills and the geo-political importance of hip-hop. May be repeated for a maximum of three credits. Cross-listed with: PE 279.
Prerequisites: Consent of instructor.
Offered: Occasionally.

THEA 294 | Professional Theatre Internship | 1-6 cr
This individualized program of study for freshmen and sophomores includes apprenticeships and internships at professional theatres, under the direct supervision of campus faculty and professional theatre staff. Consent of instructor and department chair. May repeat for a maximum of 6 credits.
Prerequisites: None.
Offered: Fall, Spring, Summer.

THEA 299 | Independent Study | 1-5 cr
Regularly available under the supervision of Theatre Arts faculty members, this course allows individual students at the freshmen and sophomore level to explore a variety of theatrical subjects and/or projects that are not regularly offered via Theatre Arts courses.
Prerequisites: Consent of Instructor and department chair required.
Offered: Fall, Spring, Summer.

THEA 310 | Directing I | 3 cr
Examines the director's role in theatre production. Delves into the theoretical and practical principles and techniques of directing and play analysis.
Prerequisites: THEA 125, THEA 150; sophomore standing or higher, and consent of instructor.
Offered: Fall.

THEA 312 | Production Design/Technology I | 3-5 cr
Provides experience as designer or lead technician for a studio production. Includes but are not limited to design, scenery, props, costume, makeup, sound or lighting. Requires additional written and visual research depending on position. May be repeated for a maximum of 10 credits with only 6 in one area applied toward the major.
Prerequisites: THEA 212 and consent of instructor.
Offered: Fall, Spring.

THEA 313 | Stage Manager | 3-5 cr
Provides experience as stage manager for a production. May be repeated in a different area for a maximum of 10 credits.
Prerequisites: THEA 213 and consent of instructor required.
Offered: Fall, Spring.

THEA 314 | Advanced Performance Practicum | 1-3 cr
Provides experience as a performer or understudy in a production. Includes opportunities to develop and practice advanced skills in auditioning, script analysis, character development, rehearsal techniques, and performance. May be repeated for a maximum of 6 credits.
Prerequisites: Audition, THEA 214.
Offered: Fall, Spring.

THEA 315 | Styles of Acting | 3 cr
An intensive investigation of a selected style of acting such as comedy, improvisation, physical acting, musical theatre performance, Shakespeare, etc. May repeat with different topic. Field trips to theatrical productions required; additional fees required.
Prerequisites: THEA 225 and consent of instructor.
Offered: Occasionally.

THEA 317 | Dramaturgy | 1-3 cr
Student serves as dramaturg for a production. Additional written and visual research required. May repeat for max 6 credits.
Prerequisites: Consent of instructor required.
Offered: Fall, Spring.

THEA 320 | Shakespeare | 3 cr
Investigates the formal conventions of Shakespeare's work, stagecraft, the location of these works within their historical contexts, and the critical and reception histories of each play. Cross-listed with: ENGL 320.
Prerequisites: ENGL 101; or consent of instructor.
Offered: Fall, Spring.

THEA 323 | Assistant Director | 3 cr
Provides experience as assistant director, studying an individual's directorial approach and learning more about the production process as a whole. Responsibilities vary from production to production and Director to Director. May be repeated for credit with a different production for a maximum of 6 credits.
Prerequisites: THEA 310.
Offered: Fall, Spring.

THEA 325 | Acting III: Scene Study | 3 cr
Delves into intensive study and performance of scenes from modern and contemporary theatre. Emphasizes advanced character development, milieu study, and scene structure.
Prerequisites: THEA 125; Theatre Arts major or Theatre Arts minor or consent of instructor.
Offered: Fall.

THEA 326 | Acting for Musical Theatre | 3 cr
Provides training to approach musical text with the same analytic and practical skills as for monologues and scenes. Equips students with the necessary skills to select appropriate songs, prepare professional materials, and execute auditions for work in the musical theatre field. Requires fees.
Prerequisites: THEA 125 and consent of instructor.
Offered: Spring (odd years).

THEA 328 | Voice and Movement II | 3 cr
Introduces Viewpoints and The Expressive Actor techniques to create vocally, physically and psychologically integrated characters. Focuses on use of breath, voice, and body.
Prerequisites: THEA 125; Theatre Arts major or Theatre Arts minor or consent of instructor.
Offered: Occasionally.

THEA 345 | Playwriting | 3 cr
Introduces the process of creating monologues, scenes, plays and/or scripts for the stage and screen.
Prerequisites: ENGL 101.
Offered: Occasionally.

THEA 350 | Stage Combat II | 3 cr
Introduces specific weapons training. Develops high speed, moment-to-moment acting, building heightened concentration, collaboration, physical agility, and stamina. Requires fees.
Prerequisites: THEA 125, THEA 250; Theatre Arts major or Theatre Arts minor or consent of instructor.
Offered: Occasionally.

THEA 355 | Theatre History and Literature to 1660 | 3 cr
Examines key milestones in theatre history and literature from the origins of theatre to 1660. Includes primary and secondary historical sources that reveal the context for theatrical productions in a variety of cultures and periods.
Prerequisites: ENGL 101, THEA 150 or consent of instructor.
Offered: Spring (even years).

THEA 356 | Theatre History and Literature from 1660-1915 | 3 cr
Provides a comprehensive overview of key milestones in theatre history and literature from 1660 to 1915, including a study of primary and secondary historical sources that reveal the context for theatrical productions in a variety of cultures and periods.
Prerequisites: ENGL 101, THEA 150, or consent of instructor.
Offered: Fall (even years).

THEA 357 | Theatre History and Literature from 1915 to Today | 3 cr
Provides a comprehensive overview of key milestones in theatre history and literature from 1915 to today, including primary and secondary historical sources that reveal the context for theatrical productions in a variety of cultures and periods.
Prerequisites: ENGL 101, THEA 150 or consent of instructor.
Offered: Spring (odd years).

THEA 363 | Lighting and Projection Design I | 3 cr
Explores the fundamentals of the artistry, methods, and function of lighting and sound design for stage production. Focuses on terminology, safe practices, current technology, design processes and production practices. Requires field trips to theatrical productions. Requires fees.
Prerequisites: THEA 132, 160; Theatre Arts major or Theatre Arts minor or consent of instructor.
Offered: Spring (odd years).

THEA 373 | Scenic Design I | 3 cr
Explores scenic design for the theatre from concept to graphic representation, including research, analysis, sketching, CAD drafting, rendering, and model making. Field trips to theatrical productions. Requires fees.
Prerequisites: THEA 132, THEA 160; Theatre Arts major or Theatre arts minor or consent of instructor.
Offered: Fall (odd years).

THEA 380 | Scene Painting I | 3 cr
Enhances knowledge and skills in scenic artistry including the role of the scenic artist. Covers types of paint and applicators, color theory and mixing, drop creation and many scenic painting and faux finishing techniques. Requires additional fees.
Prerequisites: THEA 132 and consent of instructor.
Offered: Spring (even years).

THEA 383 | Costume Design I | 3 cr
Examines the costume design process including theory, historical research and rendering styles. Field trips to theatrical productions required. Requires fees.
Prerequisites: THEA 133, THEA 160; Theatre Arts majors and Theatre Arts minors or consent of instructor.
Offered: Fall (even years).

THEA 385 | Portfolio Development | 3 cr
Focuses on the professional development of visual performance material, resumes, websites, and portfolios. Helps the student develop and produce a professional presentation of their body of artistic work through digital and physical portfolios.
Prerequisites: THEA 100, THEA 160, and consent of instructor.
Offered: Spring.

THEA 386 | Audition Techniques | 3 cr
Focuses on the techniques actors must use when auditioning for casting directors in the professional theatre. Includes cold readings, monologue work, resume formatting, and interview techniques.
Prerequisites: THEA 125 and consent of instructor.
Offered: Fall.

THEA 390 | Special Topics in Theatre Arts | 1-4 cr
Selected topics in theatre will be examined. Field trips to theatrical productions required; additional fees required. May repeat with different topic.
Prerequisites: Consent of instructor.
Offered: Occasionally.

THEA 410 | Directing II | 3 cr
Builds upon the basic principles of stage direction explored in THEA 310 and provides students with the opportunity to select, research, interpret, stage, and present a wide range of scenes from a variety of theatrical genres and styles.
Prerequisites: THEA 310; Theatre Arts majors or Theatre Arts minors or consent of instructor.
Offered: Spring (even years).

THEA 412 | Production Design/Technology II | 1-5 cr
Provides experience as designer or lead technician for a main-stage production. Includes but are not limited to design, scenery, props, costume, makeup, sound or lighting. Requires additional written and visual research required depending on position. May be repeated for a maximum of 10 credits with only 6 in one area applied toward the major. May repeat for a maximum of 10 credits; only 6 in one area apply toward the major.
Prerequisites: THEA 312 and consent of instructor.
Offered: Fall, Spring.

THEA 423 | Studio Director | 3 cr
Provides experience as director for a studio production. May be repeated for credit with a different production for a maximum of 6 credits.
Prerequisites: THEA 310, THEA 323 and consent of instructor.
Offered: Fall, Spring.

THEA 425 | Acting IV: Styles of Action | 3 cr
Focus on elements of style through scene work, involving advanced characterization and research. Emphasizes conditioning factors, physicalization, and internal obstacles.
Prerequisites: THEA 125, THEA 225, THEA 325; Theatre Arts majors or Theatre Arts minors or consent of instructor.
Offered: Spring.

THEA 427 | Musical Theatre Workshop | 2 cr
This performance-based workshop course that allows learner to study, research, prepare, and perform scenes, songs, and dances from selected musical theatre texts. This course may be repeated for credit, with the instructor's permission. Field trips to theatrical productions required. Additional fees required.
Prerequisites: Consent of instructor.
Offered: Occasionally.

THEA 463 | Lighting and Projection Design II | 3 cr
Explores advanced training in lighting and projection design for theatre or live entertainment. Requires fees.
Prerequisites: THEA 363 or consent of instructor.
Offered: Fall (odd years).

THEA 473 | Scenic Design II | 3 cr
Explores advanced topics in scenic design for the theatre from concept to graphic representation, including research, analysis, sketching, CAD drafting, rendering, and model making, resulting in a complete scenic design packet. Requires lab fees.
Prerequisites: THEA 373 or consent of instructor.
Offered: Occasionally.

THEA 483 | Costume Design II | 3 cr
Examines special problems in costume research theory, costume history, and advanced projects in costume design. Field trips to theatrical productions; additional fees required.
Prerequisites: THEA 383.
Offered: Fall (even years).

THEA 490 | Special Topics in Theatre Arts | 1-4 cr
Selected topics in theatre arts will be examined. Field trips to theatrical productions required. Additional fees required.
Prerequisites: Consent of instructor.
Offered: Occasionally.

THEA 494 | Professional Theatre Internship | 1-12 cr
This individualized program of study for juniors and seniors includes apprenticeships and internships at professional theatres, under the supervision of campus faculty and professional theatre staff. May repeat for a maximum of 12 credits.
Prerequisites: Consent of instructor and department chair.
Offered: Fall, Spring, Summer.

THEA 495 | Business of Theatre | 3 cr
Provides opportunity for students in their final year to focus on various business aspects of the Theatre professional. Includes field research in their area of concentration and demonstration of successful self promotion. Covers personal finance, self-branding, and professional networking.
Prerequisites: THEA 100, senior standing.
Offered: Fall.

THEA 499 | Independent Study | 1-6 cr
Provides opportunity to explore a variety of theatrical subjects and/or projects under the supervision of theatre faculty members.
Prerequisites: Consent of instructor and department chair.
Offered: Fall, Spring, Summer.

UWP - General (UWP)

UWP 101 | First Year Seminar: Natural and Health Sciences | 1 cr
Prepares first-year students in their academic and personal transition to UW-Parkside and the College of Natural and Health Sciences, the course will engage and prepare first-year students for academic success by orienting them to the scholarly communities within the College and introducing them to available academic resources within the University and the College. The course is designed to help first year students adjust to the university, develop a better understanding of the learning process, and acquire essential academic survival skills while providing an introduction into specific disciplines within the College of Natural and Health Sciences. The seminar will also focus on student reflection of their own learning and career goals and the value and meaning of their education.
Prerequisites: None.
Offered: Fall.

UWP 111 | Freshman Seminar | 1 cr
Provides undecided/undeclared students an overview of many topics related to successful academic careers at UW-Parkside. Includes instruction on study skills, test taking strategies, an overview of student services provides on campus and how to effectively use them, and specific information on majors, colleges, and career/educational planning.
Prerequisites: None.
Offered: Fall, Spring.

UWP 112 | Adult and Nontraditional Student Seminar | 1 cr

Addresses topics relevant to working professionals and individuals returning to college or beginning their college experience. Includes note-taking, reading, writing, and testing strategies; overview of resources tailored to adult students on- and off-campus; and specific information on majors, colleges, and career development and advancement.
Prerequisites: None.
Offered: Fall, Spring.

UWP 200 | Prior Learning Assessment Portfolio Development | 1 cr

Provides an overview of prior learning portfolio development by guiding students through the process of assessing prior learning experience and creating a written reflection on how that learning supports a claim for credit for a specific course. Credit/No Credit grading basis.
Prerequisites: Consent of instructor.
Offered: Fall, Spring.

UWP 293 | Career Exploration and Professional Development | 2 cr

Provide opportunity to explore, connect, and apply key aspects of career exploration and professional development. Emphasizes assessments, exploring careers, investigating academic options, and setting career goals.
Prerequisites: None.
Offered: Fall, Spring.

UWP 294 | Work-Based Learning | 3 cr

Provides opportunity for analyzing and applying essential learning knowledge and skills to current work experience.
Prerequisites: None.
Offered: Yearly.
Meets: Social & Behavioral Science: UWP, Social & Behavioral Science: UWP, Social & Behavioral Science: UWP, Social & Behavioral Science: UWP, Social & Behavioral Science: UWP

UWP 494 | Cross-Disciplinary Internship | 1-3 cr

Provides opportunity to explore a career field outside their discipline through internship. May be repeated for a maximum of 3 credits.
Prerequisites: Sophomore standing.
Offered: Fall, Spring, Summer.

Women's Gender & Sexuality Std (WGSS)

WGSS 110 | Introduction to Women's, Gender and Sexuality Studies | 3 cr

Introduces the field of women's studies, its theoretical and methodological bases and the challenges it creates for other academic disciplines. Analyzes the construction of gender for both men and women. Examines issues of sexuality, including sexual attraction, intersexuality and trans-sexuality. Examines identity as a complex series of intersections that involve race, ethnicity, and class, often at a global level.
Prerequisites: None.
Offered: Fall, Spring.
Meets: Social & Behavioral Science: WGSS, Social & Behavioral Science: WGSS, Social & Behavioral Science: WGSS, Social & Behavioral Science: WGSS, Social & Behavioral Science: WGSS

WGSS 112 | Women In Literature | 3 cr

Examines representations of women from classical to contemporary periods and identifies ways writing illuminates women's experience. Works by and about women from various cultures and backgrounds are considered. Cross-listed with: ENGL 112.
Prerequisites: None.
Offered: Fall, Spring.
Meets: Humanities and the Arts: WGSS, Humanities and the Arts: WGSS, Humanities and the Arts: WGSS, Humanities and the Arts: WGSS, Humanities and the Arts: WGSS

WGSS 213 | Gender and Society | 3 cr

Explores theory and research on gender roles and gender stratification, focusing on political, economic, family and other settings. Includes historical, cross cultural and subcultural comparisons Cross-listed with: SOCA 213.
Prerequisites: None.
Offered: Fall, Spring, Summer.
Meets: Social & Behavioral Science: WGSS, Social & Behavioral Science: WGSS, Social & Behavioral Science: WGSS, Social & Behavioral Science: WGSS, Social & Behavioral Science: WGSS

WGSS 215 | Queer Representation on Stage and Screen | 3 cr

Examines the portrayal and representation (or lack of representation) of LGBTQIA+ voices and identities in plays and film through theory and criticism. Cross-listed with: THEA 215.
Prerequisites: None.
Offered: Spring (even years).
Meets: Humanities and the Arts: THEA, Humanities and the Arts: THEA, Humanities and the Arts: THEA, Humanities and the Arts: THEA, Humanities and the Arts: THEA

WGSS 290 | Special Topics in Women's, Gender, and Sexuality Studies | 3 cr

Selected topics in women's, gender and sexuality studies.
Prerequisites: None.
Offered: Occasionally.

WGSS 315 | Communication and Gender | 3 cr

Explores the role of communication in the construction of gender, the role of gender in the social organization, and use of language and communication systems. Cross-listed with: COMM 315.
Prerequisites: COMM core courses or consent of instructor.
Offered: Spring.

WGSS 366 | Women, Crime and Criminal Justice | 3 cr

Examines the study of female crime and delinquency. In addition to women as offenders, this course focuses on women as victims and workers in the criminal justice system. Cross-listed with: CRMJ 366.
Prerequisites: CRMJ 101 or consent of instructor.
Offered: Occasionally.

WGSS 367 | LGBTQ Studies | 3 cr

Examines the everyday lives of people in the LGBTQ community as they participate in identity politics, collective action, resistance, and empowerment in a heteronormative society. Cross-listed with: SOCA 367.
Prerequisites: ANTH 100 or SOCA 101 or WGSS 110.
Offered: Occasionally.

WGSS 390 | Special Topics in Women's, Gender, and Sexuality Studies: | 1-4 cr

Selected topics in women's, gender and sexuality studies.
Prerequisites: None.
Offered: Occasionally.

WGSS 463 | Gender, Race, Class and Sexualities in the Media | 3 cr

Explores how representations of gender, race, class and sexualities in the media contribute to views of culture, self, and others. Cross-listed with: COMM 463.
Prerequisites: COMM Core courses or consent of instructor.
Offered: Fall.

WGSS 469 | Women as Writers and Characters | 3 cr

Examines writing by women and depictions of women in literature. May be repeated for credit with different topic. Cross-listed with: ENGL 469.
Prerequisites: ENGL 266; or consent of instructor.
Offered: Occasionally.

WGSS 490 | Special Topics in Women's, Gender, and Sexuality Studies | 3 cr

Selected topics in women's, gender studies and sexuality studies.
Prerequisites: Varies with topic.
Offered: Occasionally.

WGSS 494 | Internship in Women's, Gender Studies and Sexuality Studies | 1-6 cr

Work experience in a program-related environment, or supervised experiences in planned projects, that exposes students to applied settings that serve women. Emphasis applying feminist analysis, qualitative research methods, communication and other skills, while increasing career knowledge and awareness. Maximum of three credits may apply to minor.
Prerequisites: Consent of instructor and program director.
Offered: Fall, Spring, Summer.

WGSS 495 | Women's, Gender and Sexuality Studies Seminar | 3 cr

Focuses on developments in feminist theory and methodology, with the goal of integrating theory and methods acquired in earlier women's, gender and sexuality studies courses and encouraging students to apply the material to the community around them. Allows students to work in their own interests within a broad theme selected by the instructor.
Prerequisites: WGSS 110 and two other WGSS credited courses.

WGSS 497 | Women's, Gender and Sexuality Studies Senior Thesis | 3 cr

Independent research and writing of an essay of substantial length under faculty supervision. Agreement of faculty member to undertake supervision is necessary before registration.
Prerequisites: WGSS 110 and two other WGSS credited courses; and consent of instructor.
Offered: Fall, Spring, Summer.

WGSS 499 | Independent Study | 1-3 cr

Individual research projects in women's, gender and sexuality studies. Maximum of three credits may apply to minor.
Prerequisites: Consent instructor and program director.
Offered: Fall, Spring, Summer.

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2021-23 Catalog (https://catalog.uwp.edu/archive/2021-2023/)

Previous years (https://www.uwp.edu/live/offices/registrarsoffice/catalogarchive.cfm)

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