Be at Parkside.

2017 - 2019 Catalog
In compiling this catalog, the University of Wisconsin-Parkside has used the most current and accurate information available. However, the University of Wisconsin-Parkside reserves the right to change any of the information in this catalog at any time and without giving prior notice. When the UW System or the University of Wisconsin-Parkside deletes or revises any of the information in this catalog, the changes take effect as soon as they are approved. To keep up to date on these changes, student must check with their advisors throughout their college careers. The provisions of this catalog do not constitute a contract between the student and the university.
CONTENTS
UW-PARKSIDE 2017-19 CATALOG

Introduction
Introduction .......................................................................................................................... 8
The University ..................................................................................................................... 8
Student Success .................................................................................................................. 8
Academic Excellence ......................................................................................................... 8
Community Engagement .................................................................................................... 8
Diversity and Inclusion ....................................................................................................... 9
The University Vision and Mission ..................................................................................... 9
The University Campus ..................................................................................................... 9

Admissions
Degree-Seeking Status .................................................................................................... 13
Admission Requirements ................................................................................................... 13
Advanced Placement ........................................................................................................ 15
Four-Year Graduation Guarantee Plan .............................................................................. 15
Placement Tests ................................................................................................................ 15
Non-Degree-Seeking Students .......................................................................................... 16
High School Special Students .......................................................................................... 16
Course Options Program ................................................................................................... 16
Parkside Access to College Credits (PACC) .................................................................... 16
Youth Options Program ..................................................................................................... 17
Social Security Disability Recipients and Senior Citizens ................................................ 17

Policies
Undergraduate Degrees and Degree Requirements ......................................................... 18
Bachelor’s Degree Requirements ......................................................................................... 18
Application to Graduate/Degree Summary ........................................................................ 18
General University Requirements ....................................................................................... 19
  I. Skills Requirements ........................................................................................................ 19
  II. General Education Requirements ............................................................................... 19
  III. Foreign Language Requirement ................................................................................ 20
  IV. Ethnic Diversity Requirement .................................................................................... 20
Transfer Students and General University Requirements .................................................. 20
Certification of Transfer Students in Skills Requirements .................................................. 22
Undergraduate Policies ...................................................................................................... 22
Failures or Incompletes in the Major .................................................................................. 22
Declaring a Major ............................................................................................................... 22
Double Major ..................................................................................................................... 23
Dual Bachelor’s Degrees ..................................................................................................... 23
Completion After Graduation .............................................................................................. 23
Second Bachelor’s Degree .................................................................................................. 23
Courses That Do Not Count Toward Graduation ................................................................. 23
Credit/No-Credit Courses .................................................................................................. 23
Auditing a Course .............................................................................................................. 24
Substitutions and Waivers of Requirements ....................................................................... 24
Transfer Credit for Continuing Students .......................................................................... 24
Credit for Prior Learning ................................................................................................... 24
  Credit by Examination ...................................................................................................... 24
  Advanced Placement ........................................................................................................ 25
Challenge Exam ................................................................................................................ 25
College Level Examination Program (CLEP) ................................................................. 25
DANTES Subject Standard Tests (DSST) ........................................................................ 25
International Baccalaureate (IB) ....................................................................................... 25
Language Testing ............................................................................................................. 25
### Graduate Programs and Policies

Graduate Programs ................................................................. 380
Admission ................................................................................. 380
Admissions as a Degree-Seeking Student ................................. 380
Admission with Probationary Status ........................................ 380
Admission as a Non-Degree-Seeking Student ......................... 380
Consortial M.B.A. Program ....................................................... 381
Audit Students ........................................................................... 381
International Students ............................................................. 381
Undergraduate Students in Graduate Courses ......................... 381
Transfer of Graduate Credit ..................................................... 381
Graduate Policies ...................................................................... 382
Degree Requirements .............................................................. 382
Application to Graduate .......................................................... 382
Degree with Distinction ............................................................ 382
Adding a Course ....................................................................... 382
Dropping a Course ................................................................... 382
Fees for Dropping a Course ...................................................... 383
Retaken Courses ...................................................................... 383
Repeatable Courses ................................................................. 383
Cross-Listed Courses ............................................................... 383
Course Prerequisites ............................................................... 384
Withdrawal from the University ................................................. 384
Leave Status ............................................................................. 384
Attendance Policy ..................................................................... 384
Accommodation of Religious Observances ............................... 385
Students Called to Active Duty Military Service ..................... 385
Course Policies ......................................................................... 385
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 degree program is approved by the American Chemical Society.

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 science or bachelor of arts degree. Graduate students choose from the master of business administration, master of science in applied molecular biology, master of science in computer and information systems, master of science in health and wellness management and a master of science in sustainable management.

Students also complete course work at UW-Parkside in degree programs offered through consortial programs with other UW System institutions.

UW-Milwaukee: bachelor of science in nursing.

UW-Extension, UW-River Falls, UW-Stout and UW-Superior: online bachelor of science in sustainable management and master of science in sustainable management.

UW-Extension, UW-Green Bay, UW-Platteville and UW-Stevens Point: online bachelor of science in health information management and technology and a master of science in health and wellness management.

UW-Eau Claire, UW-La Crosse and UW-Oshkosh: online M.B.A.

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 Engagement
Continuing Education and Community Engagement (CECE) 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, CECE focuses on mobilizing the talent of students, faculty, staff and volunteers in several key areas: community-based learning and research, nonprofit development, continuing professional education, and personal enrichment. UW-Parkside plays a vital role in enriching the quality of life of the communities served in southeastern Wisconsin. Likewise, students benefit from attaining civic engagement and entrepreneurial skills.
through participation in diverse opportunities with major employers, and the public and nonprofit sectors. UW-Parkside is renowned for its partnerships with educational, social service, business, and cultural organizations. UW-Parkside is recognized by the Carnegie Foundation as a Community Engaged Institution and has been on the President’s Higher Education Community Service Honor Roll each year since its inception in 2006.

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-increasing 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 is a dynamic learning community grounded in academic excellence and focused on student success, diversity, inclusion and community engagement. The campus will be a premier comprehensive public institution and a destination of choice, serving as a focal point of local, regional and global progress.

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. 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 provides offices for the College of Business, Economics, and Computing; the Institute of Professional Educator Development; the Ralph Jaeschke Solutions for Economic Growth Center; the Small Business Development Center; the App Factory; and a number of liberal arts faculty, as well as classrooms and labs. 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
- Expanded and upgraded general classrooms
- Modern languages laboratory

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 newly 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 Involvement Center, Campus Activities and Engagement Office, WIPZ radio, the Ranger News student newspaper, 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: 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.

**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, Continuing Education and Community Engagement, 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, overlook the atrium.

In addition, Wyllie Hall houses the Advising and Career Center, the Office of Disability Services, the Office of the Registrar, Cashier’s, and Financial Aid and Scholarships offices; the Office of Multicultural Student Affairs; the LGBTQ Center, Military and Veteran Success Center, Parkside Academic Resource Center and Student Support Services.

**Accommodations for Students with Disabilities**
The Office of Disability Services 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. Disability Services is located in the Advising and Career center in Wyllie Hall, D175.

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.

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. A new “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.

Managed by Campus Technology Services and located on the D1 level of Wyllie Hall are computer labs and classrooms, featuring Windows and Macintosh systems. The Learning Technology Center (LTC), also on the D1 level, is responsible for audio, visual and computer equipment checkout for classroom use, and installing and maintaining equipment located in lecture halls and classrooms. LTC also houses and supports a distance education conference room and a computer-based training room. As part of the Rita Tallent Picken Regional Center for Arts and Humanities expansion project, more than 2,000 square feet of space has been remodeled for use as the Digital Arts and Animation Center.
Creative Services is located on the D2 level. Creative Services provides digital color and black-and-white printing, photocopying, graphic-design for web and print, and large-format digital color printing.

**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, apartment and suite styles. 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. University Apartments is consisting of seven separate 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, living room area, and two bathrooms. The kitchens have a full-sized refrigerator/freezer, stove/oven, double-basin sink, dining table, and four chairs. The living-room is furnished with a couch and two end-tables.

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. Ranger Hall is home to both, first-year students and upper-class students. 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. Pike River Suites houses both, first-year students and upper-class students. Pike River Suites is home to the Global Village Living-Learning Community.
The Office of Admissions and New Student Services provides admission counseling and support for prospective students along with admissions application processing.

**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. 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:

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Freshman</td>
<td>24 or fewer</td>
</tr>
<tr>
<td>Sophomore</td>
<td>25 to 53</td>
</tr>
<tr>
<td>Junior</td>
<td>54 to 83</td>
</tr>
<tr>
<td>Senior</td>
<td>84 or more</td>
</tr>
</tbody>
</table>

**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.

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 20 (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:

<table>
<thead>
<tr>
<th>Academic Subjects</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>English/Speech</td>
<td>4 (3 units must be composition and/or literature)</td>
</tr>
<tr>
<td>Mathematics</td>
<td>3 (must be algebra or higher, or equivalent, not including statistics)</td>
</tr>
<tr>
<td>Natural Science</td>
<td>3 (including one lab science)</td>
</tr>
<tr>
<td>Social Science</td>
<td>3</td>
</tr>
<tr>
<td>Additional Electives</td>
<td>4 (from the above areas, foreign language and/or fine arts and computer science)</td>
</tr>
</tbody>
</table>
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 high schools and all institutions of higher education previously attended. Applicants who already hold a bachelor’s degree need not provide high school transcripts, unless they have completed the foreign language requirement with course work completed in high school (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 30 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. The Test of English as a Foreign Language (TOEFL) is preferred but other acceptable tests include IELTS and the STEP test. The minimum required score on the TOEFL is a computer-based score of 197 or Internet-based score of 71; for IELTS the minimum score is a 6; and for STEP, completion of Pre-1st Grade Level. In addition, upon admission, each student is required to take a placement test to determine English proficiency prior to course placement.

Students seeking transfer credit from an international post-secondary institution will be referred to a foreign credential service. 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 health insurance. International students are automatically enrolled and billed for the International insurance program unless granted a waiver by the International Student Services Coordinator.

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 for the education of reservists, veterans, disabled or deceased veterans’ dependents, and war orphans under programs provided by the U.S. Department of Veterans Affairs and the state of Wisconsin Department of Veterans Affairs. All veterans’ benefits are coordinated by the University’s Veterans Certifying Official.

To be certified for benefits, veterans enrolling for the first time must submit an Application for Educational Benefits form. Students who were receiving benefits at another school must submit a Request for Change of Place of Training form. In order to continue receiving benefits, veterans must submit a Request for Veterans’ Benefits form at the beginning of each semester. Veterans interested in state of Wisconsin benefit programs must contact their county Veterans Service Office.

Federal and state financial aid regulations may require some veterans’ benefits to be considered as part of a financial aid award package. Veterans who plan to receive financial aid in addition to veterans’ benefits must report their monthly benefit amounts to the Office of Scholarships and Financial Aid.

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.

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 adviser 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 adviser and meet with that adviser 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

Wisconsin Placement Tests (Math, English and Foreign Language) are meant to be administered only when a student first arrives on campus in anticipation of their first semester of college work. After a student enrolls in and attends a Mathematics, English or Foreign Language course (even if they only attend for a single day) a placement test cannot be administered again in an attempt to place in a different course level (whether it be a higher or lower level course).
First Year Students attending Parkside are required to take a Math & English Placement Tests for placement into the appropriate level course. Foreign Language is not required.

Transfer students attending Parkside are required to take the Math & English Placement Tests unless (a) the student has transfer credit that satisfies the Math requirement or (b) has taken a math course that places the student into the next, sequential course. Foreign Language is not required.

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 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.

A non-degree-seeking student may not enroll for more than 6 credits in a given semester without permission from the Advising and Career Center. Only the first 15 credits earned at UW-Parkside as a non-degree-seeking student may later be applied toward an undergraduate degree. 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, chemistry, 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.

Course Options Program

Students enrolled in a Wisconsin public school district may be eligible to take college courses. Minimum qualifications for the Course Options Program require that students must:

- Rank in the upper 25% of their high school class or if ranking is not available, have a cumulative 3.00/4.00 GPA.
- Have the approval from their high school.
- Submit all appropriate and official applications and documentation as approved by their high school.

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.
Youth Options Program
Students in Wisconsin public 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. Interested students should consult their high school counselors for information about this program. Minimum qualifications for the Youth Options Program require that students must:

- Be in the junior or senior year.
- Rank in the upper 25% of their high school class or if ranking is not available, have a cumulative 3.00/4.00 GPA.
- Have the approval from their high school.
- Submit all appropriate and official applications and documentation as approved by their high school.

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 Degrees and Degree Requirements
The University of Wisconsin-Parkside offers the undergraduate degrees of bachelor of arts (B.A.) and bachelor of science (B.S.). The major completed determines which bachelor's 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 and those who are seeking a second bachelor’s degree. See second bachelor's degree policy and appropriate academic sections for further information.

Bachelor’s Degree Requirements
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 of their final 60 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.

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; part-time students should request the summary when they are within about 20 credits of graduation.

The degree summary report (DARS) 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 advisers 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, and 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 English 101 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 in addition to ENGL 101.

Deadline for completion of reading and writing skills requirement:
• Students must complete ENGL 101 within the first 60 degree credits.
• Students who fail to complete ENGL 101 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, 103 or 102 with a grade of C-minus or better.

While some students may be exempt from the Computational Skills requirement on the basis of test scores, other students, based on test scores, may be required to complete a course or courses in computational skills (e.g. MATH 10 or MATH 15) in addition to MATH 111, 103 or 102.

Deadlines for completion of computational skills requirement:
• Students who place into MATH 10 or MATH 15 must successfully complete MATH 15 or MATH 16 within the first 30 degree credits.
• Students must complete the sequence of courses ending in MATH 111, 103 or 102 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, and the business management online 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

1. Transfer credit is generally awarded for college level course work 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).

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

3. Transfer students with less than 54 transferable credits will be required to meet UW-Parkside’s skills, general education, foreign language*, and ethnic diversity requirements.

4. 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*, and ethnic diversity requirements.

5. 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.

6. 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* and ethnic diversity requirements.

7. 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* and ethnic diversity requirements.

8. 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.

9. 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.

10. Transfer, degree seeking students must earn a minimum of 30 of their last 60 credits at UW-Parkside toward their degree to fulfill the residency requirement. Individual departments and programs may require that certain courses be taken at UW-Parkside.

11. 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.

12. 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.

* Transfer students in sustainable management, and health information management and technology collaborative, online 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 English 101 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 English 101 fulfills the reading and writing competency for graduation.

Transfer students will be certified in computational skills if they have completed a course equivalent to Mathematics 111, 103 or 102 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 Mathematics 112 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

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 begin with a major status of undeclared and remain so until they submit a plan declaration form to the Advising and Career Center or academic department and are accepted into the major. Thereafter, students may add, drop, or change majors, or return to undeclared status, by filing another declaration form. Departments may deny a student’s declaration of major if the student fails to meet the standards and requirements necessary for admission to the major.

Undeclared students are assigned an academic adviser from the Advising and Career Center. Students who are accepted into their major after filing their plan declaration form are assigned advisers in their major departments.

Students are encouraged to identify a major as early as possible in their academic careers. Formal declaration must be made upon completion of 60 credits.

Students who plan to enter programs with very strict requirements (e.g. art, music, biological sciences, business) are advised to consult with the appropriate department as early as possible.

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 change of requirement year form to the Office of the Registrar. Students are advised to contact the Advising and Career Center 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 Application to Graduate/Degree Summary form. Students wishing to earn dual degrees, please refer to the Dual Degree policy below.

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).

Completion After Graduation
Students may, after graduating with a bachelor’s degree from UW-Parkside, complete a minor, concentration, certificate, or additional major. Students must apply for readmission to UW-Parkside and submit a plan declaration form. When all course work toward the additional major, minor, concentration or certificate has been completed, students should submit an Application to Graduate/Degree Summary form 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. Students should review the document for signatures required. 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.

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

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 Foreign Language
In addition, students may earn up to 16 retroactive credits, four for each of the first four semesters of language study, if: a) they completed the previous course work in a United States high school, b) they enroll in the college course into which they place, and c) they complete the course with a grade of B-minus or better. In order to be granted retroactive credit, the student must submit an application to the Office of the Registrar at the end of the appropriate college semester.

UW-Parkside will accept retroactive credit for foreign language if it was granted by another UW System institution and is documented on the student’s UW System transcript.
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.

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.
• Degree-seeking transfer students who enter with 90 or more transferable credits from an accredited liberal arts, baccalaureate degree-granting college or university are considered to have completed the UW-Parkside general education and skills requirements. The ethnic diversity requirement and the foreign language requirement must still be completed.

72 Credit Rule:
• UW-Parkside will accept a maximum of 72 credits from any UW college or other two-year institution with an accredited college-parallel liberal arts 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.

54 Credit Rule:
• Transfer students entering UW-Parkside with junior standing (54 credits or more) will be required to meet the distribution area requirement of the general education requirements but not the specific distribution by departments/programs.

45 Credit Rules:
• 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:
• Degree-seeking students must earn a minimum of 36 credits in courses numbered 300 or above.

30 Credit Rules:
• Degree-seeking students must earn a minimum of 30 of their final 60 credits at UW-Parkside toward their degree (residency requirement).
• Students must complete any required remedial course work within their first 30 degree credits.
15 Credit Rules:
• Students must complete a minimum of 15 credits in their major in courses numbered 300 or above at UW-Parkside.
• Only the first 15 credits earned at UW-Parkside by non-degree seeking students may later be applied toward undergraduate degree requirements.

9 Credit Rule:
• 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.

8 Credit Rule:
• No more than the first 8 credits of 1-credit physical activity courses (100 level) offered by the Health, Exercise Science, and Sport Management Department or earned in transfer can be counted toward the GPA and/or toward graduation.

Excess Credit Policy – 165 Credit Rule:
• Based on UW System policy, all resident undergraduate students who have accumulated 165 credits (or 30 credits more than required by their degree programs, whichever is greater) will be charged a surcharge, equal to 100 percent of the regular resident tuition, on credits beyond that level. Contact the Office of the Registrar for more details. Submit any requests/appeals for exceptions to this policy in writing to the Office of the Registrar.

Residency requirements:
• Degree-seeking students must earn a minimum of 30 of their final 60 credits 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.
• At least half of the course work required for a minor must be completed at UW-Parkside.
• A minimum of 9 credits in a certificate program must be completed at UW-Parkside.

REGISTRATION POLICIES

Academic Advising
Prior to registration for the spring and fall terms, all degree-seeking students are required to meet with their academic advisers to plan their course schedule for the following semester. UW-Parkside’s web registration system (SOLAR) will not allow unadvised students to register for course work for the fall and spring semesters. 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 6 credits without approval. Students may apply for overload permits 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 during the first half of the semester/subscription period. 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.

Beginning with the 8th week through the 11th week of the semester, a student may request permission to drop a course only for extraordinary, non-academic reasons. Before requesting permission to drop, the student should discuss his/her circumstances with the instructor. Any such request must be submitted to the Office of the Registrar no later than the Friday of the 11th week of instruction. 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. The request must include a written explanation of the circumstances.

Requests denied or received after the deadline may be reviewed by 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 competency sets 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 competency sets, 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 adviser 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.

for 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.
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 state law 36.43, UW-Parkside provides for the reasonable accommodation of a student’s sincerely held religious beliefs with regard to all examinations and other academic requirements and also provides a means by which a student can conveniently and confidentially notify an instructor of potential conflicts.

A student with a conflict between an academic requirement and a religious observance must be given an alternative means of meeting the academic requirement, subject to the following:

a. To be granted an alternative means of meeting an academic requirement, students must notify their instructors, within the first two weeks of class, of specific days or dates of which they will request relief from an academic requirement. (The instructor must treat this information as confidential.)

b. Instructors are not obligated to provide alternate arrangements for an individual before the regularly scheduled event.

c. Instructors may set reasonable limits on the total number of occurrences claimed by any one student.

Absence from classes or examinations 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.

University Course Numbering System

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

- 010-090 Developmental courses, not for degree credit.
- 100-299 Level I, Lower Division (courses intended for freshmen and sophomores).
- 300-499 Level II, Upper Division (courses intended for juniors and seniors).
- 500-699 Course that carry graduate credit but which can be paired with undergraduate courses.
- 700-799 Master’s level graduate courses, 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.

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.
### Table 1. Grades

<table>
<thead>
<tr>
<th>Grade</th>
<th>Total Quality Points</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1 cr</td>
</tr>
<tr>
<td>A</td>
<td>4.00</td>
</tr>
<tr>
<td>A-</td>
<td>3.67</td>
</tr>
<tr>
<td>B+</td>
<td>3.33</td>
</tr>
<tr>
<td>B</td>
<td>3.00</td>
</tr>
<tr>
<td>B-</td>
<td>2.67</td>
</tr>
<tr>
<td>C+</td>
<td>2.33</td>
</tr>
<tr>
<td>C</td>
<td>2.00</td>
</tr>
<tr>
<td>C-</td>
<td>1.67</td>
</tr>
<tr>
<td>D+</td>
<td>1.33</td>
</tr>
<tr>
<td>D</td>
<td>1.00</td>
</tr>
<tr>
<td>D-</td>
<td>0.67</td>
</tr>
<tr>
<td>F</td>
<td>0.00</td>
</tr>
</tbody>
</table>

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

- **AUD** Audit Satisfactory
- **AU-** Audit Unsatisfactory
- **CR** For credit only
- **I** Incomplete (temporary)
- **IX** Incomplete Extended (temporary)
- **IP** In progress
- **NA** Not Attempted (for Flex Option Program Competencies only)
- **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)

### 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 indicate that a student must complete additional work in order to earn a grade for a class. 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 in a course until near the end of the course 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 course work. The grade of Incomplete must be accompanied by the instructor’s description of the course 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 examination. 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 semester. 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 semester following the term in which the Incomplete was assigned.
- 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 may not graduate with an Incomplete on his/her transcript if failure in that course would make the student ineligible to graduate.

**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 for the specific competency set. 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 to Flexible Option Program Competency Sets when a student completes part but not all of the competencies required. This grade is permanent but does not count toward degree or calculation of grade point average.

**Grade Point Average (GPA)**
To make it possible to compute semester/subscription period, and cumulative averages for grades in classes 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. Grades in courses not counting toward the 120 credits required for graduation 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 Degree Audit Report (DARS).

**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.
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 2.5 cumulative degree grade point average and minimum of 12 credits completed at UW-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 in a particular course/competency set is not consistent with his/her performance in that course/competency set. 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 semester/subscription period following that in which the grade is 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.) If the course/competency set in question is 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/competency set 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 three 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 three 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 Warning, Probation and Suspension Policy

UW-Parkside expects every student to maintain good academic standing (2.00 GPA or higher). Every student is required to maintain a minimum GPA of 2.00 for all course work taken at UW-Parkside. Every student is also expected to maintain a minimum GPA of 2.00 on all UW-Parkside coursework carried in each term, including summer sessions and winterim. Students who fail to maintain this minimum GPA will face academic probation or suspension. Every student can determine his/her academic status at the end of each term using the criteria below. Students who fail to meet the minimum requirements for good academic standing will be notified of their academic standing and status by the Provost or College Dean.

If a student is not on probation and earns a UW-Parkside term GPA lower than 2.00, the student is placed on warning.

If a student is already on warning and earns a UW-Parkside term GPA lower than 2.00, but has a UW-Parkside cumulative GPA of 2.00 or higher, the student remains on warning.

If a student is already on warning and earns a UW-Parkside term GPA lower than 2.00, and has a UW-Parkside cumulative GPA lower than 2.00, the student is placed on probation.

If a student is already on probation and earns a UW-Parkside term GPA higher than 2.25, but has a UW-Parkside cumulative GPA lower than 2.00, the student remains on probation.

If a student is already on probation and earns a UW-Parkside term GPA lower than 2.25, the student is placed on academic suspension. The student is suspended for at least one year.

Any student on probation will be automatically cleared of the probation at the end of any term when his/her:

1. UW-Parkside term GPA is 2.25 or higher; AND
2. UW-Parkside cumulative GPA is 2.00 or higher; AND
3. academic record contains no grades of Incomplete (I).

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

Readmission Following an Academic Suspension

Students who feel that exceptional circumstances justify a waiver of suspension may appeal their suspension to the Academic Actions Committee by the date specified in the suspension notification letter. If the student does not appeal by the date specified, the earliest opportunity that the student would be eligible for readmission would be the following semester/subscription period. However, the student may initiate the appeal process during the time in which they begin serving their suspension. Information regarding the appeal process is available on the UW-Parkside website. Readmission to the university following the serving of a suspension is not automatic. Students must both request readmission from the Academic Actions Committee and apply for readmission through Admissions.
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.

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.

Graduation with Honors
Bachelor’s degree students with outstanding cumulative GPAs, calculated including transfer course work, 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 courses are used in calculating the GPA for honors (courses with grades of D+ or lower that have been academically forgiven do not count toward graduation and are not calculated in the honors GPA).

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 Credentials Solutions, Inc. 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. When a hold is on a student’s record when the order is placed, they have 30 days to clear the hold or the transcript request will be purged, requiring the student to submit a new request once the hold has been removed.

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.
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 and Bachelor’s Degrees

In order to graduate, 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 (B.S.)
- Applied Health Sciences (B.S.)
- Art (B.A.)
- Biological Sciences (B.S.)
- Business Management (B.S.)**
- Chemistry (B.S.)
- Communication (B.A.)
- Computer Science (B.S.)
- Computer Science/Mathematics (B.S.)
- Criminal Justice (B.A.)
- Early Childhood Education (B.S.)
- Economics (B.A.)
- Elementary Education (B.S.)
- English (B.A.)
- Environmental Studies (B.S.)
- Exercise Science (B.S.)
- Geography (B.A.)
- Geosciences (B.S.)
- Graphic Design (B.A.)
- Health Information Management and Technology (B.S.)*
- History (B.A.)
- International Studies (B.A.)
- Liberal Studies (B.A.)
- Management Information Systems (B.S.)
- Marketing (B.S.)
- Mathematics (B.S.)
- Molecular Biology and Bioinformatics (B.S.)
- Music (B.A.)
- Nursing (B.S.)*
- Philosophy (B.A.)
- Physics (B.S.)
- Political Science (B.A.)
- Psychology (B.S.)
- Secondary Education (B.S.)
• Sociology (B.A.)**
• Spanish (B.A.)
• Special Education (B.S.)
• Sport Management (B.S.)
• Sustainable Management (B.S)*
• Theatre Arts (B.A.)

*Consortial program degree is awarded by the participating campus.
**Also available as an online degree completion program.

Minor Programs
UW-Parkside offers approximately 57 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
• Asian Studies
• Biological Sciences
• Biological Sciences for Elementary Teachers
• Biological Sciences for Secondary Teachers
• Business Management
• Chemistry
• Chemistry for Pre-Health Professionals
• Coaching
• Communication
• Computer Science
• Criminal Justice
• Economics
• Elementary Mathematics
• English
• English as a Second Language
• English Language Arts for Elementary Teachers
• English Language Arts for Secondary Teachers
• Environmental Studies
• Ethnic Studies
• Exercise Science
• French
• Geographic Information Systems (GIS)
• Geography
• Geography for Teachers
• Geosciences
• Global Management
• Graphic Design
• Health Communication
• Health Psychology
• History
• International Studies
• Legal Studies
• Management Information Systems
• Mathematics
• Medical Spanish
• Music
• Organizational Communication
• Philosophy
• Philosophy of Natural Science
• Physics
• Political Science (Student-Designed)
• Political Science for Teachers
• Pre-Health Professions
• Psychology
• Public Policy Studies
• Public Relations
• Social Studies for Elementary Teachers
• Sociology
• Sociology for Teachers
• Spanish
• Sport Management
• Studio Art
• Theatre Arts
• Web Development
• Women’s, Gender and Sexuality Studies
• World Politics

Concentrations
A number of 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**
- Pre-Athletic Training
- Pre-Chiropractic
- Pre-Kinesiology
- Pre-Occupational Therapy
- Pre-Physician Assistant
- Pre-Physical Therapy
- Pre-Public Health

**Art**
- Interdisciplinary Art
- Three Dimensional Studio Art
- Two Dimensional Studio Art

**Biological Sciences**
- Pre-Health Professions

**Business Management**
- Finance
- General Business
- Human Resource Management

**Business Management Online Completion Program**
- General Business

**Chemistry**
- Biochemistry
- General Chemistry
- Industrial Chemistry
- Pre-Health Professions
- Professional Chemistry

**Economics**
- Monetary and Financial Economics
- Quantitative Economics

**English**
- Language Arts

**Environmental Studies**
- Environmental Biology
- Environmental Chemistry
- Environmental General
- Environmental Geology
- Environmental Policy and Society

**Exercise Science**
- Fitness Management
- Strength and Conditioning

**Geography/Anthropology**
- Anthropology
- Applied Environmental Geography
- Geographic Planning

**Geosciences**
- Earth Science
- Environmental Geosciences

**Health Information Management and Technology**
- Healthcare Management
- Healthcare Technology

**Liberal Studies**
- Cinema and Film Studies
- Humanities
- Organizational Studies
- Social Science Studies
- Women's, Gender and Sexuality Studies

**Music**
- Contemporary Commercial Music
- Jazz Studies and Performance
- Liberal Arts
- Music Education
- Music Performance
- Piano Pedagogy and Literature

**Political Science**
- Law

**Special Education**
- Early Adolescent-Adolescent
- Middle Childhood-Early Adolescent

**Theatre Arts**
- Acting
- Design and Technology
- Direction and Management

---

**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 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. 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.

**Art**
- Art History
- Design

**Business**
- Business Fundamentals
- Entrepreneurship
- Project Management
- Retail Management
- Sales
Center for Community Partnerships
• Community Engagement

Chemistry
• Green Chemistry

Communication
• Conflict Analysis and Resolution
• Digital and Media Literacy
• Health Communication

Computer Science
• Cyber Security
• Mobile Development
• Unix System Administration
• World Wide Web Publishing

English
• Creative Writing
• Film Studies
• Professional Writing and Communication

Flexible Option Programs
• Project Management

Geography/Anthropology
• Geographic Information Systems (GIS)
• Museum Studies

International Studies
• Asian Studies
• Global Skills

Liberal Studies
• Leadership

Music
• Piano Pedagogy and Literature

Philosophy
• Ethics

Psychology
• Human Measurement and Research
• Mental Health Skills
• Neuroscience

Sociology
• Gerontology
• Program Evaluation
• Urban Studies

Sustainable Management
• Sustainable Enterprise Management
• Sustainable Management Science

UW-Parkside Honors Program
The Honors Program is a university-wide multidisciplinary program that encourages and rewards excellence. It provides opportunities for students to expand beyond the normal boundaries of their courses through research, special projects and community-based work. Students who complete all of the program requirements receive recognition at graduation and on their transcripts. The Honors Program has two tracks: Academic Honors and Civic Honors. To enroll in honors courses or participate in honors projects in either track, students must first be admitted to the program. Admission is granted by the program steering committee.
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 advisers 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 adviser and a pre-professional adviser.

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

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

*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 degree and/or the Advising and Career Center for advice.

** 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 electrical and mechanical 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.

Teacher Education/Educator Development Program
Contact the Educator Development adviser for detailed and current information regarding all licensure programs, or visit our website.

Master’s Degree Programs
The university offers the following graduate degree programs.

- Master of Business Administration (M.B.A.)
- Master of Science in Applied Molecular Biology (M.S.)
- Master of Science in Computer and Information Systems (M.S.)
- Master of Science in Health and Wellness Management (M.S.)
- Master of Science in Sport Management (M.S.)
- Master of Science in Sustainable Management (M.S.)

Additional graduate course work is offered in other fields of study. For further information on graduate programs, consult the Graduate Programs and Policies section of this catalog.
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 (B.S.)
- Sociology (B.A.)
- Sustainable Management (B.S.)*
- Health Information Management and Technology (B.S.)*

Graduate degree programs:
- Business Administration (M.B.A.)*
- Health and Wellness Management (M.S.)*
- Sustainable Management (M.S.)*

Undergraduate certificate programs:
- Business Fundamentals
- Project Management
- Sustainable Enterprise Management*
- Sustainable Management Science*

*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
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 agreement must be signed between the student, the faculty supervisor, and the outside internship supervisor and approved by the department chair or program director at the start of the internship. All internships must conclude with a completed paper, project, report, or other product. Consult each program section of this catalog for details.

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.
APPLIED HEALTH SCIENCES

UW-PARKSIDE 2017-19 CATALOG

Greenquist 302 • 262-595-2327

College:
Natural and Health Sciences

Degree and Program Offered:
Bachelor of Science

Major - Applied Health Sciences

Major Concentrations – Pre-Athletic Training, Pre-Chiropractic, Pre-Kinesiology, Pre-Occupational Therapy, Pre-Physician Assistant, Pre-Physical Therapy, Pre-Public Health

Student Organizations:
The applied health sciences program coordinates with active student organizations that have interest in professional health careers such as the Pre-Health Club and the Biology Club.

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.

Program Overview
The bachelor of science 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. 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 kinesiology, and public health. The B.S. in applied health sciences (AHS) provides UW-Parkside students with a pre-professional major that is appropriate for health careers; and serves as a viable alternative to majors such as biological sciences, exercise science, sport management and nursing. In addition to completing the academic course work, students must earn a cumulative GPA of 2.5 to graduate with the AHS major.

Program-Level 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.

Steering Committee
The steering committee is chaired by the director. The current steering committee members include: Tsun-Mei Chang (CHEM), Bryan Lewis, Director (BIOS/CNHS), Summer Ostrowski (BIOS), Chris Noto (BIOS), Fabian Preuss (BIOS), and Edward Bowden (PSYC).
Internship/Fieldwork

The applied health sciences program requires that students gain experiences within 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 adviser 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 adviser.

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 adviser.

Requirements for the Applied Health Sciences Major
(67-99 credits)

The major in applied health sciences has a core requirement of 66 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. In addition to completing the academic course work, students must earn a cumulative GPA of 2.5 to graduate with the AHS major. Students who complete the AHS major may also qualify for a minor in Biological Sciences and/or a minor in Exercise Science. Please see your advisor for more information on this.

A. Core Courses (66-67 credits)

1. Applied Health Science Courses (9 credits)
   - AHS 101 Introduction to Applied Health Sciences 3 cr
   - AHS 494 Internship/Fieldwork 6 cr
   (additionally, students can gain these credits through either pre-approved BIOS 494 or HESM 498)
2. Biological Sciences Courses (22 credits)
   - BIOS 101  Bioscience*  4 cr
   - BIOS 102  Organismal Biology  4 cr
   - BIOS 105  Human Physiology and Anatomy I**  5 cr
   - BIOS 106  Human Physiology and Anatomy II**  5 cr
   - BIOS 210  Biostatistics  4 cr
   **students may substitute BIOS 300/341 for BIOS 105/106 sequence

3. Business Course (3 credits)
   - BUS 100  Introduction to Business*  3 cr

4. Chemistry Courses (10 credits)
   - CHEM 101  General Chemistry I*  4 cr
   - CHEM 102  General Chemistry II  4 cr
   - CHEM 103  General Chemistry Lab I  1 cr
   - CHEM 104  General Chemistry Lab II  1 cr

5. Mathematics Course(s) (5-6 credits)
   - MATH 114  College Algebra II with Trigonometry  5 cr
   OR
   - MATH 112  College Algebra II  4 cr
   AND
   - MATH 113  Trigonometry  2 cr

6. Health, Exercise Science and Sport Management (17 credits)
   - HESM 270  Lifetime Wellness*  3 cr
   - HESM 280  Sport and Fitness Nutrition*  3 cr
   - HESM 353  Biomechanics  4 cr
   - HESM 354  Physiology of Exercise#  4 cr
   - HESM 358  Sport and Fitness Psychology  3 cr
   # These classes have a requirement of either BIOS 105/106
   or BIOS 300/341 with a grade of "C-" or better.

In addition to satisfying the core requirements within the applied health sciences major, students must choose 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 adviser 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.

B. Concentrations (11-42 credits)
   Choose one:
   1. Pre-Athletic Training (13 credits, 79-80 credits total)
      - HESM 345  Prevention and Care of Athletic Injuries  3 cr
      - HESM 410  Fitness Assessment and Prescription  3 cr
      - PHYS 101  Principles of Physics*  4 cr
      - PSYC 101  Introduction to Psychological Science*  3 cr
   2. Pre-Chiropractic (21 credits, 87-88 credits total)
      - CHEM 321  Organic Chemistry I  4 cr
      - CHEM 322  Organic Chemistry II  4 cr
      - CHEM 323  Organic Chemistry Laboratory  3 cr
      - PHYS 105  College Physics I*  5 cr
      - PHYS 106  College Physics II  5 cr
3. Pre-Kinesiology (11 credits, 77-78 credits total)
   BIOS 300  Human Functional Anatomy  4 cr
   BIOS 341  Mammalian Physiology  3 cr
   (Students who choose to take the kinesiology concentration can substitute BIOS 300/341 for BIOS 105/106)
   PHYS 101  Principles of Physics*  4 cr

4. Pre-Occupational Therapy (13 credits, 79-80 credits total)
   PHYS 101  Principles of Physics*  4 cr
   PSYC 101  Introduction to Psychological Science* 3 cr
   PSYC 210  Introduction to Human Development  3 cr
   PSYC 360  Abnormal Psychology  3 cr

5. Pre-Physician Assistant (42 credits, 108-109 credits total)
   BIOS 260  General Genetics  4 cr
   BIOS 303  Microbiology  4 cr
   BIOS 307  Biochemical Metabolism  3 cr
   BIOS 300  Human Functional Anatomy  4 cr
   BIOS 341  Mammalian Physiology  3 cr
   (Students who choose to take the PA concentration can substitute BIOS 300/341 for BIOS 105/106)
   CHEM 321  Organic Chemistry I  4 cr
   CHEM 322  Organic Chemistry II  4 cr
   CHEM 323  Organic Chemistry Laboratory  3 cr
   PHYS 101  Principles of Physics*  4 cr
   PSYC 101  Introduction to Psychological Science* 3 cr
   PSYC 210  Introduction to Human Development  3 cr
   PSYC 360  Abnormal Psychology  3 cr

6. Pre-Physical Therapy (23 credits, 89-90 credits total)
   BIOS 300  Human Functional Anatomy  4 cr
   BIOS 341  Mammalian Physiology  3 cr
   (Students who choose to take the PT concentration can substitute BIOS 300/341 for BIOS 105 and BIOS 106)
   HESM 345  Prevention and Care of Athletic Injuries  3 cr
   PHYS 105  College Physics I*  5 cr
   PHYS 106  College Physics II  5 cr
   PSYC 101  Introduction to Psychological Science* 3 cr
   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 – Developmental Psychology.

7. Pre-Public Health (25 credits, 91-92 credits total)
   BIOS 260  General Genetics  4 cr
   COMM 107  Communication and the Human Condition*  3 cr
   COMM 340  Health Communication  3 cr
   PSYC 101  Introduction to Psychological Science* 3 cr
   PSYC 220  Social Psychology  3 cr
   PSYC 363  Health Psychology  3 cr
   SOCA 101  Introduction to Sociology*  3 cr
   SOCA 376  Public Health  3 cr
   Recommended but not required courses for those in the pre-public health concentration:
   BIOS 109  Biology of Aging  3 cr
   BIOS 303  Microbiology  4 cr
BIOS 311 Parasitology 4 cr
BIOS 351 Virology 3 cr
HESM 365 Personal, School, and Community Health 2 cr
HIMT 310 Healthcare Systems and Organizations 3 cr
PHIL 340 Bioethics 3 cr
PSYC 210 Introduction to Human Development* 3 cr
SOCA 204 Human Evolution 3 cr

*These courses also satisfy general education requirements at UW-Parkside.

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.

Courses in Applied Health Sciences (AHS)

101 Introduction to Applied Health Sciences 3 cr
Prereq: None. Freq: Fall, Spring.
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, and cultural sensitivity within health careers. Additionally, students will gain experience in professional writing, presentation techniques, portfolio development and service learning.

494 Internship/Fieldwork 1-6 cr
Prereq: AHS 101, sophomore or higher standing, and approval by AHS academic adviser or the CHS director. Freq: Fall, Spring, Summer.
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 adviser or the CHS director. May be repeated for credit. No more than six (6) credits can be applied toward the AHS major and no more than twelve (12) can count toward general graduation requirements.
ART

UW-PARKSIDE 2017-19 CATALOG
RITA/CART 265 • 262-595-2331

College:
Arts and Humanities

Degree and Programs Offered:
Bachelor of Arts
Majors - Art, Graphic Design
Minors - Studio Art, Graphic Design
Certificates- Art History, Design

Student Organizations/Clubs:
ACE (Artisan Craftsman Establishment) 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.

Career Possibilities:
Graphic designer, production designer, package designer, web 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 Art Department 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 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 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 entrepreneurship or business fundamentals.

Program Level 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 (48-66 credits)

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. Art majors must maintain at least a 2.5 grade point average in the major to remain in the program. Art majors seeking a concentration must have an entrance and exit grade point average of 2.75 or higher in the concentration.

A. Core Curriculum (47 credits)

1. **Foundation Studio and Graphic Design Courses (12 credits)**
   These courses serve as prerequisites for most of the curriculum.
   
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 102</td>
<td>Introduction to Two Dimensional Design</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 103</td>
<td>Introduction to Three Dimensional Design</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 104</td>
<td>Introduction to Digital Art</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 122</td>
<td>Introduction to Drawing</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

2. **Foundation Art History Courses (6 credits)**
   a. Choose one course (3 credits)
   
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 100</td>
<td>Foundations of Art and Visual Culture</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 125</td>
<td>Survey of World Art</td>
<td>3 cr</td>
</tr>
</tbody>
</table>
   
   b. Required course (3 credits)
   
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 226</td>
<td>Modern Art and Graphic Design</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

3. **Developmental Drawing (3 credits)**
   Each course can only count toward one requirement area.
   
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 331</td>
<td>Life Drawing</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 322</td>
<td>Intermediate Drawing</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 330</td>
<td>Focused Drawing Topics</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

4. **Two Dimensional Experience (6 credits)**
   Each course can only count toward one requirement area. Prerequisites apply.
   
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 251</td>
<td>Beginning Printmaking</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 282</td>
<td>Beginning Painting</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 288</td>
<td>Topics in Two Dimensional Studio Art</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 322</td>
<td>Intermediate Drawing</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 330</td>
<td>Focused Drawing Topics</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 331</td>
<td>Life Drawing</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 351</td>
<td>Intermediate Printmaking</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 382</td>
<td>Intermediate Painting</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 388</td>
<td>Intermediate Topics in Two Dimensional Studio Art</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 422</td>
<td>Advanced Drawing</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 430</td>
<td>Advanced Focused Drawing Topics</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 431</td>
<td>Figure Studio</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 488</td>
<td>Advanced Topics in Two Dimensional Studio Art</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

5. **Three Dimensional Experience (6 credits)**
   Each course can only count toward one requirement area. Prerequisites apply.
   
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 203</td>
<td>Beginning Ceramics</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 236</td>
<td>Beginning Sculpture</td>
<td>3 cr</td>
</tr>
</tbody>
</table>
ART 238  Beginning Woodworking and Furniture Design  3 cr
ART 289  Topics in Three Dimensional Studio Art  3 cr
ART 303  Intermediate Ceramics  3 cr
ART 336  Intermediate Sculpture  3 cr
ART 338  Intermediate Woodworking and Furniture Design  3 cr
ART 389  Intermediate Topics in Three Dimensional Studio Art  3 cr
ART 489  Advanced Topics in Three Dimensional Studio Art  3 cr

6.  Graphic Design Experience (3 credits)
Choose one course:
ART 274  Typography I (Required for Graphic Design students)  3 cr
ART 287  Topics in Graphic Design  3 cr
ART 371  Digital Photography  3 cr
ART 387  Topics in Graphic Design  3 cr

7.  Additional Art History or related coursework * (6 credits)
Each course can only count toward one requirement area.
a.  Required course (3 credits)
   ART 391  Selected Topics in Art History  3 cr
b.  Choose one (3 credits)
   ANTH 200/INTS 210  Cultural Anthropology  3 cr
   ANTH 315/ART 315  Anthropology of Non-Western Art  3 cr
   ART 391  Selected Topics in Art History  3 cr
   ENGL 252  Introduction to Film  3 cr
   ENGL 266  Literary Analysis  3 cr
   PHIL 213  Aesthetics  3 cr

* 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.

8.  Professional Practice (2 credits)
Prerequisite: Junior level standing
ART 392  Professional Practice  2 cr

9.  Upper Division Elective (3 credits)
Each course can only count toward one requirement area. Prerequisites apply.
Choose one course:
Two Dimensional Studio
ART 322  Intermediate Drawing  3 cr
ART 330  Focused Drawing Topics  3 cr
ART 331  Life Drawing  3 cr
ART 351  Intermediate Printmaking  3 cr
ART 382  Intermediate Painting  3 cr
ART 388  Intermediate Topics in Two Dimensional Studio Art  3 cr
ART 422  Advanced Drawing  3 cr
ART 430  Advanced Focused Drawing Topics  3 cr
ART 431  Figure Studio  3 cr
ART 451  Advanced Printmaking  3 cr
ART 482  Advanced Painting  3 cr
ART 489  Advanced Topics in Three Dimensional Studio Art  3 cr

Three Dimensional Studio
ART 303  Intermediate Ceramics   3 cr
ART 336  Intermediate Sculpture   3 cr
ART 338  Intermediate Woodworking and Furniture Design  3 cr
ART 389  Intermediate Topics in Three Dimensional Studio Art  3 cr
ART 403  Advanced Ceramics   3 cr
ART 436  Advanced Sculpture   3 cr
ART 438  Advanced Woodworking and Furniture Design   3 cr
ART 489  Advanced Topics in Three Dimensional Studio Art  3 cr

Graphic Design
ART 371  Digital Photography   3 cr
ART 372  Graphic Design I  3 cr
ART 374  Typography II  3 cr
ART 387  Topics in Graphic Design  3 cr
ART 471  Advanced Digital Photography  3 cr

B. Art Major Completion Options (1-19 credits)
Students take either the Senior Critique Seminar capstone course to complete the standard 48 credit art major or they may choose one of three concentrations to complete their major. Students must have at least a 2.75 grade point average in the major to pursue a concentration. To earn the concentration, the minimum 2.75 grade point average in the major must also be met.

Choose one option:
1. **Capstone (1 credit)**
   Prerequisite: Senior level standing
   ART 497  Senior Critique Seminar  1 cr

2. **Studio Art Concentration (19 credits)**
   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.
   a. Two Dimensional Studio Art Concentration (19 credits)
      i. **Required Additional Upper Division Art History**  (3 credits)
         Each course can only count toward one requirement area.
         ART 391  Selected Topics in Art History  3 cr
         *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 adviser.
      ii. **Two Dimensional Studio Art Courses**  (12 credits)
         Each course can only count toward one requirement area
         Choose four courses (three courses must be upper division):
         ART 251  Beginning Printmaking  3 cr
         ART 282  Beginning Painting  3 cr
         ART 288  Topics in Two Dimensional Studio Art  3 cr
         ART 322  Intermediate Drawing  3 cr
         ART 330  Focused Drawing Topics  3 cr
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 331</td>
<td>Life Drawing</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 351</td>
<td>Intermediate Printmaking</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 371</td>
<td>Digital Photography</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 382</td>
<td>Intermediate Painting</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 388</td>
<td>Intermediate Topics in Two Dimensional Studio Art</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 399</td>
<td>Independent Study</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 422</td>
<td>Advanced Drawing</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 430</td>
<td>Advanced Focused Drawing Topics</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 431</td>
<td>Figure Studio</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 451</td>
<td>Advanced Printmaking</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 471</td>
<td>Advanced Digital Photography</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 482</td>
<td>Advanced Painting</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 488</td>
<td>Advanced Topics in Two Dimensional Studio Art</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 499</td>
<td>Independent Study</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

### iii. Exhibition Capstone (4 credits)

- ART 493 Senior Studio 4 cr

**b. Three Dimensional Studio Art Concentration (19 credits)**

1. **Required Additional Upper Division Art History* (3 credits)**
   - Each course can only count toward one requirement area.
   
   - ART 391 Selected Topics in Art History 3 cr

   *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 adviser.

2. **Three Dimensional Studio Art Courses (12 credits)**
   - Each course can only count toward one requirement area.
   - Choose four courses (three courses must be upper division):

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 203</td>
<td>Beginning Ceramics</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 236</td>
<td>Beginning Sculpture</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 238</td>
<td>Beginning Woodworking and Furniture Design</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 289</td>
<td>Topics in Three Dimensional Studio Art</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 303</td>
<td>Intermediate Ceramics</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 336</td>
<td>Intermediate Sculpture</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 338</td>
<td>Intermediate Woodworking and Furniture Design</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 389</td>
<td>Intermediate Topics in Three Dimensional Studio Art</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 399</td>
<td>Independent Study</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 403</td>
<td>Advanced Ceramics</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 436</td>
<td>Advanced Sculpture</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 438</td>
<td>Advanced Woodworking and Furniture Design</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 489</td>
<td>Advanced Topics in Three Dimensional Studio Art</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 499</td>
<td>Independent Study</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

### iii. Exhibition Capstone (4 credits)

- Required course:
  - ART 493 Senior Studio 4 cr
c. Interdisciplinary Concentration (19 credits)

i. Required Additional Upper Division Art History* (3 credits)
Each course can only count toward one requirement area.

- ART 391 Selected Topics in Art History 3 cr

*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 adviser.

ii. Interdisciplinary Courses (12 credits)
Each course can only count toward one requirement area.
Choose four courses (three courses must be upper division):

<table>
<thead>
<tr>
<th>Two Dimensional Courses</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 251 Beginning Printmaking</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 282 Beginning Painting</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 288 Topics in Two Dimensional Studio Art</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 322 Intermediate Drawing</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 330 Focused Drawing Topics</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 331 Life Drawing</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 351 Intermediate Printmaking</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 371 Digital Photography</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 382 Intermediate Painting</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 388 Intermediate Topics in Two Dimensional Studio Art</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 399 Independent Study</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 422 Advanced Drawing</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 430 Advanced Focused Drawing Topics</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 431 Figure Studio</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 451 Advanced Printmaking</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 482 Advanced Painting</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 488 Advanced Topics in Two Dimensional Studio Art</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 499 Independent Study</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Three Dimensional Courses</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 203 Beginning Ceramics</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 236 Beginning Sculpture</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 238 Beginning Woodworking and Furniture Design</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 289 Topics in Three Dimensional Studio Art</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 303 Intermediate Ceramics</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 336 Intermediate Sculpture</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 338 Intermediate Woodworking and Furniture Design</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 389 Intermediate Topics in Three Dimensional Studio Art</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 399 Independent Study</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 403 Advanced Ceramics</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 436 Advanced Sculpture</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 438 Advanced Woodworking and Furniture Design</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 489 Advance Topics in Three Dimensional Studio Art</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 499 Independent Study</td>
<td>3 cr</td>
</tr>
</tbody>
</table>
iii. Exhibition Capstone (4 credits)
   Required course:
   ART 493 Senior Studio 4 cr

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.

Requirements for the Graphic Design Major (68-69 credits)
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.

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.

A. Core Curriculum (47 credits)
  1. Foundation Studio and Graphic Design Courses (12 credits)
     These courses serve as prerequisites for most of the curriculum.
     Required courses:
     ART 102 Introduction to Two Dimensional Design 3 cr
     ART 103 Introduction to Three Dimensional Design 3 cr
     ART 104 Introduction to Digital Art 3 cr
     ART 122 Introduction to Drawing 3 cr
  2. Foundation Art History Courses (6 credits)
     a. Choose one course (3 credits)
        ART 100 Foundations of Art and Visual Culture 3 cr
        ART 125 Survey of World Art 3 cr
     b. Required course (3 credits)
        ART 226 Modern Art and Graphic Design 3 cr
  3. Developmental Drawing (3 credits)
     Each course can only count toward one requirement area.
     Choose one course:
     ART 322 Intermediate Drawing 3 cr
     ART 330 Focused Drawing Topics 3 cr
     ART 331 Life Drawing 3 cr
  4. Two Dimensional Experience (6 credits)
     Each course can only count toward one requirement area. Prerequisites apply.
     Choose two courses:
     ART 251 Beginning Printmaking 3 cr
     ART 282 Beginning Painting 3 cr
     ART 288 Topics in Two Dimensional Studio Art 3 cr
     ART 322 Intermediate Drawing 3 cr
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 330</td>
<td>Focused Drawing Topics</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 331</td>
<td>Life Drawing</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 351</td>
<td>Intermediate Printmaking</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 382</td>
<td>Intermediate Painting</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 388</td>
<td>Intermediate Topics in Two Dimensional Studio Art</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 422</td>
<td>Advanced Drawing</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 430</td>
<td>Advanced Focused Drawing Topics</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 431</td>
<td>Figure Studio</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 488</td>
<td>Advanced Topics in Two Dimensional Studio Art</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

5. **Three Dimensional Experience (6 credits)**
   Each course can only count toward one requirement area. Prerequisites apply. Choose two courses:
   - ART 203 Beginning Ceramics   3 cr
   - ART 236 Beginning Sculpture   3 cr
   - ART 238 Beginning Woodworking and Furniture Design 3 cr
   - ART 289 Topics in Three Dimensional Studio Art  3 cr
   - ART 303 Intermediate Ceramics  3 cr
   - ART 336 Intermediate Sculpture   3 cr
   - ART 338 Intermediate Woodworking and Furniture Design 3 cr
   - ART 389 Intermediate Topics in Three Dimensional Studio Art 3 cr
   - ART 489 Advanced Topics in Three Dimensional Studio Art 3 cr

6. **Graphic Design Experience (3 credits)**
   Required course:
   - ART 274 Typography I   3 cr

7. **Additional Art History or related coursework * (6 credits)**
   Each course can only count toward one requirement area. Prerequisites apply.
   **a. Required course (3 credits)**
      - ART 391 Selected Topics in Art History 3 cr
   **b. Choose one (3 credits)**
      - ANTH 200/INTS 210 Cultural Anthropology 3 cr
      - ANTH 315/ART 315 Anthropology of Non-Western Art 3 cr
      - ART 391 Selected Topics in Art History 3 cr
      - ENGL 252 Introduction to Film 3 cr
      - ENGL 266 Literary Analysis 3 cr
      - PHIL 213 Aesthetics 3 cr
   *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 adviser.

8. **Professional Practice (2 credits)**
   Prerequisite: Junior-level standing.
   - ART 392 Professional Practice 2 cr
9. **Upper Division Elective (3 credits)**  
Each course can only count toward one requirement area. Prerequisites apply.  
Choose one course:

**Two Dimensional Studio**
- ART 322 Intermediate Drawing 3 cr
- ART 330 Focused Drawing Topics 3 cr
- ART 331 Life Drawing 3 cr
- ART 351 Intermediate Printmaking 3 cr
- ART 382 Intermediate Painting 3 cr
- ART 388 Intermediate Topics in Two Dimensional Studio Art 3 cr
- ART 422 Advanced Drawing 3 cr
- ART 430 Advanced Focused Drawing Topics 3 cr
- ART 431 Figure Studio 3 cr
- ART 451 Advanced Printmaking 3 cr
- ART 482 Advanced Painting 3 cr
- ART 489 Advanced Topics in Three Dimensional Studio Art 3 cr

**Three Dimensional Studio**
- ART 303 Intermediate Ceramics 3 cr
- ART 336 Intermediate Sculpture 3 cr
- ART 338 Intermediate Woodworking and Furniture Design 3 cr
- ART 389 Intermediate Topics in Three Dimensional Studio Art 3 cr
- ART 403 Advanced Ceramics 3 cr
- ART 436 Advanced Sculpture 3 cr
- ART 438 Advanced Woodworking and Furniture Design 3 cr
- ART 489 Advanced Topics in Three Dimensional Studio Art 3 cr

**Graphic Design**
- ART 371 Digital Photography 3 cr
- ART 387 Topics in Graphic Design 3 cr

B. **Graphic Design Course Work (21-22 credits)**
1. **Required Graphic Design Foundations (6 Credits)**
   - ART 372 Graphic Design I 3 cr
   - ART 374 Typography II 3 cr

2. **Advanced Graphic and Web Design Course Work (9 Credits)**
   Each course can only count toward one requirement area. Prerequisites apply.  
Choose three courses:
   - ART 377 Web Design I 3 cr
   - ART 387 Topics in Graphic Design 3 cr
   - ART 472 Graphic Design II 3 cr
   - ART 477 Web Design II 3 cr

3. **Additional Course in Design or Digital Media (3 Credits)**
   Each course can only count toward one requirement area. Prerequisites apply.  
Choose one course:
   - ART 287 Topics in Graphic Design 3 cr
   - ART 371 Digital Photography 3 cr
   - ART 377 Web Design I 3 cr
   - ART 387 Topics in Graphic Design 3 cr
   - ART 399/
ART 499  Independent Study  3 cr
ART 471  Advanced Digital Photography  3 cr
ART 472  Graphic Design II  3 cr
ART 477  Web Design II  3 cr
ART 494  Art Internship  3-4 cr

4. Professional Seminar Capstone (3 Credits)
   Each course can only count toward one requirement area. Prerequisites apply.
   Required course:
   ART 487  Design Portfolio  3 cr

Requirements for the Studio Art Minor (21 credits)
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.

A. Required Foundation Courses (9 credits)
   ART 102  Introduction to Two Dimensional Design  3 cr
   ART 103  Introduction to Three Dimensional Design  3 cr
   ART 122  Introduction to Drawing  3 cr

B. Two Dimensional Experience (3 credits)
   Each course can only count toward one requirement area. Prerequisites apply.
   Choose one course:
   ART 251  Beginning Printmaking  3 cr
   ART 282  Beginning Painting  3 cr
   ART 288  Topics in Two Dimensional Studio Art  3 cr
   ART 322  Intermediate Drawing  3 cr
   ART 330  Focused Drawing Topics  3 cr
   ART 331  Life Drawing  3 cr

C. Three Dimensional Experience (6 credits)
   Each course can only count toward one requirement area. Prerequisites apply.
   Choose two courses:
   ART 203  Beginning Ceramics  3 cr
   ART 236  Beginning Sculpture  3 cr
   ART 238  Beginning Woodworking and Furniture Design  3 cr
   ART 289  Topics in Three Dimensional Studio Art  3 cr

D. Art History (3 credits)
   Choose one course:
   ART 100  Foundations of Art and Visual Culture  3 cr
   ART 125  Survey of World Art  3 cr
Requirements for the Graphic Design Minor (27 credits)

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.

A. Required Foundation Courses (12 credits)
   ART 102 Introduction to Two Dimensional Design     3 cr
   ART 103 Introduction to Three Dimensional Design     3 cr
   ART 104 Introduction to Digital Art     3 cr
   ART 122 Introduction to Drawing     3 cr

B. Design Courses (12 credits)
   Each course can only count toward one requirement area. Prerequisites apply.
   Choose four courses:
   ART 274 Typography I    3 cr
   ART 287 Topics in Graphic Design   3 cr
   ART 372 Graphic Design I    3 cr
   ART 374 Typography II    3 cr
   ART 377 Web Design I    3 cr
   ART 387 Topics in Graphic Design   3 cr
   ART 472 Graphic Design II    3 cr
   ART 477 Web Design II    3 cr

C. Art History (3 credits)
   Choose one course:
   ART 100 Foundations of Art and Visual Culture     3 cr
   ART 125 Survey of World Art     3 cr

Requirements for the Art History Certificate (18 credits)

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

A. Required Core Art History Courses (9 credits)
   ART 100 Foundations of Art and Visual Culture     3 cr
   ART 125 Survey of World Art     3 cr
   ART 226 Modern Art and Graphic Design     3 cr

B. Required Upper Division Art History Coursework (6 credits)
   Each course can only count toward one requirement. Prerequisites apply.
   Take course two times with a different topic for a total of 6 credits:
   ART 391 Selected Topics in Art History     3 cr

C. Additional Art History and Related Course Work (3 credits)
   Each course can only count toward one requirement area. Prerequisites apply.
   Choose one:
   ANTH 200/ INTS 210 Cultural Anthropology     3 cr
   ANTH 315/ ART 315 Anthropology of Non-Western Art     3 cr
   ART 391 Selected Topics in Art History     3 cr
   ENGL 252 Introduction to Film     3 cr
   ENGL 266 Literary Analysis     3 cr
   PHIL 213 Aesthetics     3 cr
   * 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 adviser.
Requirements for the Design Certificate (15 credits)
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 tools that may enhance their career goals and employability.

A. Required Core Courses (6 credits)
   ART 102 Introduction to Two Dimensional Design 3 cr
   ART 104 Introduction to Digital Art 3 cr

B. Required Graphic Design Courses (9 credits)
   ART 274 Typography I 3 cr
   ART 372 Graphic Design I 3 cr
   ART 377 Web Design I 3 cr

Entrepreneurship Certificate and Business Fundamentals Certificate
These certificates are available through the department of business. Art and graphic design majors who plan to work as freelance designers or independent studio artists will find this coursework beneficial to their career goals. Please see the business section of the catalog for more information.

Museum Studies Certificate
A certificate in museum studies is also available. Please see the museum studies section of the catalog for more information.

World Wide Web Publishing Certificate
A certificate in World Wide Web publishing is available through the Computer Science Department. Please see the computer science section of the catalog for more information.

Pre-Architecture
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.

   ART 103 Introduction to Three Dimensional Design 3 cr
   ART 122 Introduction to Drawing 3 cr
   ART 125 Survey of World Art 3 cr
   ART 226 Modern Art and Graphic Design 3 cr
   SPCH 105 Public Speaking 3 cr
   ENGL 101 Composition and Reading 3 cr
   ENGL 201 Advanced Composition 3 cr
   GEOG 110 Introduction to Geography – World Regions 3 cr
   MATH 113 Trigonometry 2 cr
   PHYS 105 College Physics I 5 cr

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.
Special Policies
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 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.

Graphic Design majors must have at least a 2.75 GPA in the major in order to graduate with the major in graphic design. All students earning a graphic design major must complete a minimum of 21 credits within the major at UW-Parkside.

Transfer students must have at least a 2.5 in their art and art history courses to be admitted into any art department 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 Art Department 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 Art Department 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 Art Department 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 Art Department may be audited only with approval of the instructor.

Courses in Art (ART)

100 Foundations of Art and Visual Culture 3 cr
Prereq: None. Freq: Fall, Spring.
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.

102 Introduction to Two Dimensional Design 3 cr
Prereq: None. Freq: Fall, Spring.
Exploration of the visual language used in two-dimensional design, emphasizing the fundamental elements and principles of composition and color through lecture and studio problems. Lab fee.

103 Introduction to Three Dimensional Design 3 cr
Prereq: None. Freq: Fall, Spring.
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. Lab fee.

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

122 Introduction to Drawing 3 cr
Prereq: None. Freq: Fall, Spring.
Exploration of the media and process of drawing to develop a visual language for representing visual imagery and cultivating perceptual and conceptual awareness. Lab fee.
<table>
<thead>
<tr>
<th>Course ID</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>125</td>
<td>Survey of World Art</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td>Prereq: None. Freq: Fall, Spring...</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Examines art history from the prehistoric era to</td>
<td></td>
</tr>
<tr>
<td></td>
<td>the present with a global perspective. Students</td>
<td></td>
</tr>
<tr>
<td></td>
<td>will learn to apply visual analysis and to</td>
<td></td>
</tr>
<tr>
<td></td>
<td>understand art in its social, political and</td>
<td></td>
</tr>
<tr>
<td></td>
<td>historical context.</td>
<td></td>
</tr>
<tr>
<td>203</td>
<td>Beginning Ceramics</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td>Prereq: ART 103 or consent of instructor. Freq:</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Fall, Spring.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>An introduction to the fundamental aesthetic</td>
<td></td>
</tr>
<tr>
<td></td>
<td>concepts and technical methods of creating works</td>
<td></td>
</tr>
<tr>
<td></td>
<td>in clay emphasizing historical and contemporary</td>
<td></td>
</tr>
<tr>
<td></td>
<td>developments of ceramics. Students will be</td>
<td></td>
</tr>
<tr>
<td></td>
<td>exposed to the basics of ceramics in wheel</td>
<td></td>
</tr>
<tr>
<td></td>
<td>throwing, hand building, glazing and firing.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Lab fee</td>
<td></td>
</tr>
<tr>
<td>226</td>
<td>Modern Art and Graphic Design</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td>Prereq (one of the following): ANTH 200, ART 100,</td>
<td></td>
</tr>
<tr>
<td></td>
<td>ART 125, ENGL 266, HUMA 200, PHIL 213 or THEA</td>
<td></td>
</tr>
<tr>
<td></td>
<td>150. Freq: Fall, Spring.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Examines major movements and styles in art and</td>
<td></td>
</tr>
<tr>
<td></td>
<td>graphic design since 1900 and introduces key</td>
<td></td>
</tr>
<tr>
<td></td>
<td>critical concepts and theories used to</td>
<td></td>
</tr>
<tr>
<td></td>
<td>understand and analyze this work.</td>
<td></td>
</tr>
<tr>
<td>236</td>
<td>Beginning Sculpture</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td>Prereq: ART 103. Freq: Fall.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Explores both historical and contemporary</td>
<td></td>
</tr>
<tr>
<td></td>
<td>developments in sculpture emphasizing</td>
<td></td>
</tr>
<tr>
<td></td>
<td>fundamental aesthetic concepts and technical</td>
<td></td>
</tr>
<tr>
<td></td>
<td>methods. Directs students through three basic</td>
<td></td>
</tr>
<tr>
<td></td>
<td>techniques: reduction, addition, and casting. Lab</td>
<td></td>
</tr>
<tr>
<td></td>
<td>fee.</td>
<td></td>
</tr>
<tr>
<td>238</td>
<td>Beginning Woodworking and Furniture Design</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td>Prereq: ART 103 or consent of instructor. Freq:</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Spring.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Introduction into the craft of woodworking as it</td>
<td></td>
</tr>
<tr>
<td></td>
<td>specifically relates to the art of furniture</td>
<td></td>
</tr>
<tr>
<td></td>
<td>making. Both functional and aesthetic</td>
<td></td>
</tr>
<tr>
<td></td>
<td>considerations will be explored as well as the</td>
<td></td>
</tr>
<tr>
<td></td>
<td>history of furniture over the centuries. Lab fee.</td>
<td></td>
</tr>
<tr>
<td>251</td>
<td>Beginning Printmaking</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td>Prereq: ART 102, 122. Freq: Fall, Spring.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Investigates the following print processes:</td>
<td></td>
</tr>
<tr>
<td></td>
<td>relief, intaglio, monotype, serigraphy and</td>
<td></td>
</tr>
<tr>
<td></td>
<td>lithography. Emphasizes historical</td>
<td></td>
</tr>
<tr>
<td></td>
<td>developments and the contemporary role of print</td>
<td></td>
</tr>
<tr>
<td></td>
<td>media, both formally and functionally. Lab fee.</td>
<td></td>
</tr>
<tr>
<td>274</td>
<td>Typography I</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td>Prereq: ART 102, 104. Freq: Fall, Spring.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Introduces the theories and history of</td>
<td></td>
</tr>
<tr>
<td></td>
<td>typography within the context of graphic design.</td>
<td></td>
</tr>
<tr>
<td>282</td>
<td>Beginning Painting</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td>Prereq: ART 102, 122. Freq: Fall, Spring.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Introduces the aesthetic, technical and</td>
<td></td>
</tr>
<tr>
<td></td>
<td>thematic dimensions of oil painting as a</td>
<td></td>
</tr>
<tr>
<td></td>
<td>fundamental visual language of expression from</td>
<td></td>
</tr>
<tr>
<td></td>
<td>both traditional and contemporary perspectives.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Lab fee.</td>
<td></td>
</tr>
<tr>
<td>287</td>
<td>Topics in Graphic Design</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td>Prereq: Varies by topic. Freq: Occasionally</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Explores selected topics in the field of</td>
<td></td>
</tr>
<tr>
<td></td>
<td>graphic design. Focuses on diverse mediums,</td>
<td></td>
</tr>
<tr>
<td></td>
<td>content, and projects. May be repeated for</td>
<td></td>
</tr>
<tr>
<td></td>
<td>credit with different topic. Lab Fee.</td>
<td></td>
</tr>
<tr>
<td>288</td>
<td>Topics in Two Dimensional Studio Art</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td>Prereq: ART 102, 122. Freq: Occasionally</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Special topics in two dimensional mediums</td>
<td></td>
</tr>
<tr>
<td></td>
<td>including printmaking, painting, collage,</td>
<td></td>
</tr>
<tr>
<td></td>
<td>photography, and book arts. Traditional and</td>
<td></td>
</tr>
<tr>
<td></td>
<td>experimental materials and approaches will be</td>
<td></td>
</tr>
<tr>
<td></td>
<td>explored. May be repeated for credit with</td>
<td></td>
</tr>
<tr>
<td></td>
<td>different topic. Lab fee.</td>
<td></td>
</tr>
<tr>
<td>289</td>
<td>Topics in Three Dimensional Studio Art</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td>Prereq: Varies by topic. Freq: Occasionally</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Special topics in three dimensional mediums</td>
<td></td>
</tr>
<tr>
<td></td>
<td>including metals, fibers, ceramics, sculpture,</td>
<td></td>
</tr>
<tr>
<td></td>
<td>woodworking, and book arts. Traditional and</td>
<td></td>
</tr>
<tr>
<td></td>
<td>experimental materials and approaches will be</td>
<td></td>
</tr>
<tr>
<td></td>
<td>explored. May be repeated for credit with</td>
<td></td>
</tr>
<tr>
<td></td>
<td>different topic. Lab fee.</td>
<td></td>
</tr>
<tr>
<td>290</td>
<td>Special Topics in Art</td>
<td>1-4 cr</td>
</tr>
<tr>
<td></td>
<td>Prereq: Varies by topic. Freq: Occasionally</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Selected topics in the visual arts and their</td>
<td></td>
</tr>
<tr>
<td></td>
<td>interrelationship will be studied. Lab fee varies</td>
<td></td>
</tr>
<tr>
<td></td>
<td>with topic.</td>
<td></td>
</tr>
<tr>
<td>299</td>
<td>Independent Study</td>
<td>1-4 cr</td>
</tr>
<tr>
<td></td>
<td>Prereq: Varies by topic. Consent of instructor</td>
<td></td>
</tr>
<tr>
<td></td>
<td>and department chair. Freq: Fall, Spring,</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Summer.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Special projects selected by student and</td>
<td></td>
</tr>
<tr>
<td></td>
<td>approved by instructor. Includes a detailed</td>
<td></td>
</tr>
<tr>
<td></td>
<td>project proposal. Lab fee varies with topic.</td>
<td></td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
<td>Credits</td>
</tr>
<tr>
<td>------------</td>
<td>--------------------------------------------------</td>
<td>---------</td>
</tr>
<tr>
<td>303</td>
<td>Intermediate Ceramics</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td>Further development of the fundamental aesthetic and technical methods used in creating works in clay emphasizing historical and contemporary trends and artistic intent. Various firing methods will be addressed. Lab fee.</td>
<td></td>
</tr>
<tr>
<td>315</td>
<td>Anthropology of Non-Western Art</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td>An anthropological examination of indigenous arts and material culture. 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.</td>
<td></td>
</tr>
<tr>
<td>322</td>
<td>Intermediate Drawing</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td>Explores the formal and conceptual possibilities of the drawn mark as a visual language incorporating historical references both traditional and contemporary. Lab fee.</td>
<td></td>
</tr>
<tr>
<td>330</td>
<td>Focused Drawing Topics</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td>Explores traditional or experimental drawing techniques and topics not introduced in regularly offered drawing courses. May be repeated for credit with different topic. Lab fee.</td>
<td></td>
</tr>
<tr>
<td>331</td>
<td>Life Drawing</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td>Investigates the human form using diverse media with an emphasis on structural, anatomical, and personal expressive analysis. Lab fee.</td>
<td></td>
</tr>
<tr>
<td>336</td>
<td>Intermediate Sculpture</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td>Further exploration of aesthetic concepts and technical methods used in sculpture while selecting from an expanded range of processes embracing fabrication, carving and casting. Lab fee.</td>
<td></td>
</tr>
<tr>
<td>338</td>
<td>Intermediate Woodworking and Furniture Design</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td>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. Lab fee.</td>
<td></td>
</tr>
<tr>
<td>351</td>
<td>Intermediate Printmaking</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td>Investigates one of the following: relief, intaglio, monotype, serigraphy and lithography. Emphasizes students' individual vision and conceptual development as it relates to the printed multiple. Encourages contemporary discourse on printmaking. Lab fee.</td>
<td></td>
</tr>
<tr>
<td>364</td>
<td>Digital Video</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td>Emphasis on storytelling through video, sound design, and manipulating footage using industry-standard digital editing software. Output for broadcasting, CD, DVD, and web markets. Lab fee.</td>
<td></td>
</tr>
<tr>
<td>371</td>
<td>Digital Photography</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td>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. Lab fee.</td>
<td></td>
</tr>
<tr>
<td>372</td>
<td>Graphic Design I</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td>Explores design history, theory, technique and the formal language of graphic communications. Lab fee.</td>
<td></td>
</tr>
<tr>
<td>374</td>
<td>Typography II</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td>Utilization of the fundamentals of typography to solve complex design problems. Lab fee.</td>
<td></td>
</tr>
<tr>
<td>377</td>
<td>Web Design I</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td>Explores the modern field of web design from a graphic designer's viewpoint. Includes the conceptual and aesthetic approach to web design. Lab fee.</td>
<td></td>
</tr>
<tr>
<td>382</td>
<td>Intermediate Painting</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td>Continues aesthetic and technical exploration of the painted image involving a variety of media. Lab fee.</td>
<td></td>
</tr>
</tbody>
</table>
387 Topics in Graphic Design  3 cr  
*Prereq: Varies by topic. Freq: Occasionally.*  
Explores topics in the field of graphic design. Focuses on diverse mediums, content, and projects.

388 Intermediate Topics in Two Dimensional Studio Art  3 cr  
*Prereq: Varies by topic. Freq: Occasionally.*  
Intermediate use of two dimensional mediums including printmaking, painting, collage, photography, and book arts. Traditional and/or experimental materials and techniques will be explored. May be repeated for credit with different topic. Lab fee.

389 Intermediate Topics in Three Dimensional Studio Art  3 cr  
*Prereq: Varies by topic. Freq: Occasionally.*  
Intermediate 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. Lab fee.

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

391 Selected Topics in Art History  3 cr  
*Prereq: Varies by topic. Freq: Fall, Spring.*  
Examines selected topics in art history. May be repeated for credit with a different topic.

392 Professional Practice  2 cr  
*Prereq: Art or graphic design major, junior standing; or consent of instructor. Freq: Fall, Spring.*  
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.

399 Independent Study  1-4 cr  
*Prereq: Varies by topic; consent of instructor and department chair. Freq: Fall, Spring, Summer.*  
Special projects at an intermediate level chosen by a student and approved by instructor. Includes a detailed project proposal. Lab fee varies with topic.

403 Advanced Ceramics  3 cr  
*Prereq: ART 303. Freq: Fall.*  
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. Lab fee.

422 Advanced Drawing  3 cr  
*Prereq: ART 322 or 330 or 331. Freq: Occasionally.*  
Explores the aesthetic technical and thematic possibilities of the drawn mark, with emphasis on the development of the student’s personal vision. May be repeated for credit. Lab fee.

430 Advanced Focused Drawing Topics  3 cr  
*Prereq: ART 322, 330 and 331. Freq: Occasionally.*  
Explores traditional or experimental drawing techniques and topics not introduced in regularly offered drawing courses. May be repeated for credit. Lab fee.

431 Figure Studio  3 cr  
*Prereq: ART 331. Freq: Occasionally.*  
Explores 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. Lab fee.

436 Advanced Sculpture  3 cr  
*Prereq: ART 336. Freq: Spring.*  
Emphasizes the in-depth exploration of one or more recommended sculptural processes in relation to an individualized aesthetic point of view. May be repeated for credit. Lab fee.

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

451 Advanced Printmaking  3 cr  
*Prereq: ART 351. Freq: Fall.*  
Studies print media and related forms. Portfolio creation and concept emphasis will coincide with the development of alternative print processes. Includes the broadening definition of printmaking. May be repeated for credit. Lab fee.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>471</td>
<td>Advanced Digital Photography</td>
<td>3 cr</td>
<td><strong>Prereq:</strong> ART 371. <strong>Freq:</strong> Fall, Spring.</td>
<td>Continues practice in digital photography. Emphasizes conceptual development as it relates to the medium and students' own creative visions. May be repeated for credit. Lab fee.</td>
</tr>
<tr>
<td>472</td>
<td>Graphic Design II</td>
<td>3 cr</td>
<td><strong>Prereq:</strong> ART 372, 374. <strong>Freq:</strong> Fall.</td>
<td>Analysis of issues related to branding, identity, and design. Emphasis is on the development of strong concepts which communicate effectively. Lab fee.</td>
</tr>
<tr>
<td>477</td>
<td>Web Design II</td>
<td>3 cr</td>
<td><strong>Prereq:</strong> ART 377. <strong>Freq:</strong> Spring.</td>
<td>Advanced problems in web design from a designer's viewpoint comprising the conceptual and aesthetic approach to web design including both static and dynamic forms. Lab fee.</td>
</tr>
<tr>
<td>482</td>
<td>Advanced Painting</td>
<td>3 cr</td>
<td><strong>Prereq:</strong> ART 382. <strong>Freq:</strong> Spring.</td>
<td>Explores individual problems in painting using a variety of media. May be repeated for credit. Lab Fee.</td>
</tr>
<tr>
<td>487</td>
<td>Design Portfolio</td>
<td>3 cr</td>
<td><strong>Prereq:</strong> ART 472 or consent of instructor. <strong>Freq:</strong> Fall, Spring.</td>
<td>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. May be repeated for credit. Lab fee</td>
</tr>
<tr>
<td>488</td>
<td>Advanced Topics in Two Dimensional Studio Art</td>
<td>3 cr</td>
<td><strong>Prereq:</strong> Varies by topic. <strong>Freq:</strong> Occasionally.</td>
<td>Delves into the advanced use of two dimensional mediums including printmaking, painting, collage, photography, and book arts. Explores traditional and experimental materials and techniques. May be repeated for credit. Lab fee.</td>
</tr>
<tr>
<td>489</td>
<td>Advanced Topics in Three Dimensional Studio Art</td>
<td>3 cr</td>
<td><strong>Prereq:</strong> Varies by topic. <strong>Freq:</strong> Occasionally.</td>
<td>Delves into advanced topics in three dimensional mediums 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. Lab fee.</td>
</tr>
<tr>
<td>490</td>
<td>Special Topics in Art</td>
<td>1-4 cr</td>
<td><strong>Prereq:</strong> Varies by topic. <strong>Freq:</strong> Occasionally.</td>
<td>Selected topics in art will be studied. Lab fee.</td>
</tr>
<tr>
<td>493</td>
<td>Senior Studio</td>
<td>4 cr</td>
<td><strong>Prereq:</strong> Senior standing, department approval. <strong>Freq:</strong> Fall, Spring.</td>
<td>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.</td>
</tr>
<tr>
<td>494</td>
<td>Art Internship</td>
<td>1-4 cr</td>
<td><strong>Prereq:</strong> Art major, junior standing; consent of instructor and department chair. <strong>Freq:</strong> Fall, Spring, Summer.</td>
<td>Practical experience in studio and curatorial situations in business, industry, galleries and museums. Joint supervision by faculty member and organization representative. Maybe repeated for credit with department permission. Lab fee varies by topic.</td>
</tr>
<tr>
<td>497</td>
<td>Senior Critique Seminar</td>
<td>1 cr</td>
<td><strong>Prereq:</strong> Art major, senior standing; or consent of instructor. <strong>Freq:</strong> Fall, Spring.</td>
<td>Serves as a capstone for the art major not seeking a studio art concentration. Students will develop their understanding of art through criticism using oral critiques and written analysis. Field trips to local/ regional galleries and museums.</td>
</tr>
<tr>
<td>499</td>
<td>Independent Study</td>
<td>1-4 cr</td>
<td><strong>Prereq:</strong> Consent of instructor and department chair. <strong>Freq:</strong> Fall, Spring, Summer.</td>
<td>Special projects at an advanced level selected by student and approved by the instructor. Includes a detailed project proposal. Lab fee varies by topic.</td>
</tr>
</tbody>
</table>

UW-PARKSIDE 2017-19 CATALOG – 66
BIOLOGICAL SCIENCES
UW-PARKSIDE 2017-19 CATALOG
Greenquist 344 • 262-595-2744

College:
Natural and Health Sciences

Degrees and Programs Offered:
Bachelor of Science
Majors - Biological Sciences, Molecular Biology and Bioinformatics
Minor - Biological Sciences, Biological Sciences for Elementary Teachers, Biological Sciences for Secondary Teachers

Student Organizations/Clubs:
Biology Club, Molecular Biology Club, Pre-Health Professions Club

Career Possibilities:
Health professional; research scientist; veterinary medicine; secondary school teacher; 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 a reputation for outstanding preparation for careers in life and health sciences. The department currently attracts many of the best students found on the campus and has one of the strongest pre-health programs in the state.

The instructional program emphasizes quality teaching, hands-on experience with state-of-the-art technology, and involvement of undergraduate students in research. The department has high-quality faculty, several of whom are nationally and internationally known. The faculty sees itself as an excellent example of the teacher-scholar model for a predominantly undergraduate institution. The department maintains active research facilities with modern instrumentation. In addition, the UW-Parkside campus, the Chiwaukee Prairie, Harris Tract, Ranger Mac's Fen, Renak Polak Woods, Petrifying Springs, and Sanders Park provide field areas for environmental studies.

The biological sciences include many different aspects of biology such as botany, microbiology, molecular biology, bioinformatics and zoology. The undergraduate majors are based on core courses designed to convey a common body of concepts and skills essential to the training of biologists regardless of their ultimate specialization. This part of the program emphasizes the similarities and unifying ideas applicable to all living systems.

The department offers two majors. The biological sciences major is appropriate for students with a general interest in biology. The molecular biology and bioinformatics major is designed for students who wish to specialize in this rapidly growing field of biology. Both majors are appropriate for students preparing for the health professions; consult with the pre-health advisers for advice relating to your particular career goal.

Biological science majors interested in obtaining a minor in environmental studies should consult with the director of environmental studies.

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 adviser or contact the department office for information about how to become involved.

The biological sciences program offers many courses for other majors and/or programs such as applied health sciences, biochemistry, environmental studies, gerontology, and pre-professional programs. There are also courses available that are designed specifically for non-science students and for general education.
Program Level Objectives for Biological Sciences

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

(76-79 credits)

The major in biological sciences consists of a minimum of 43 credits in biological sciences with additional courses in mathematics, chemistry, and physics. Within the major, a minimum of 15 credits in courses numbered 300 or above must be completed at UW-Parkside.

A. **Required Core Courses (19 Credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOS 101</td>
<td>4 cr</td>
</tr>
<tr>
<td>BIOS 102</td>
<td>4 cr</td>
</tr>
<tr>
<td>BIOS 210</td>
<td>4 cr</td>
</tr>
<tr>
<td>BIOS 260</td>
<td>4 cr</td>
</tr>
<tr>
<td>BIOS 435</td>
<td>2 cr</td>
</tr>
<tr>
<td>BIOS 495</td>
<td>1 cr</td>
</tr>
</tbody>
</table>

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 adviser before registration if such a situation arises.

B. **Mathematics, Chemistry and Physics Courses (33-36 credits)**

1. **Mathematics Courses (5 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 221</td>
<td>5 cr</td>
</tr>
</tbody>
</table>

2. **Chemistry Courses (18-21 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 101</td>
<td>4 cr</td>
</tr>
<tr>
<td>CHEM 102</td>
<td>4 cr</td>
</tr>
<tr>
<td>CHEM 103</td>
<td>1 cr</td>
</tr>
<tr>
<td>CHEM 104</td>
<td>1 cr</td>
</tr>
<tr>
<td>CHEM 321</td>
<td>4 cr</td>
</tr>
<tr>
<td>CHEM 322</td>
<td>4 cr</td>
</tr>
</tbody>
</table>

Recommended:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 323</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

3. **Physics Courses (10 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 105</td>
<td>5 cr</td>
</tr>
<tr>
<td>PHYS 106</td>
<td>5 cr</td>
</tr>
</tbody>
</table>

OR

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 201</td>
<td>5 cr</td>
</tr>
<tr>
<td>PHYS 202</td>
<td>5 cr</td>
</tr>
</tbody>
</table>

*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.
C. Elective Courses (24 credits)
Each student must complete a minimum of 24 elective credits selected from 200-400 level biological sciences courses. At least 3-credit hours must be obtained from each of the four designated areas listed below. BIOS 494 Internship, and BIOS 499 Independent Study, cannot be used to satisfy the requirement within these areas. Students are required to check with their advisers concerning biological sciences special topics courses (BIOS 290, 390, 490) counting toward the topic areas listed below.

1. Cell and Molecular Biology
   - BIOS 301 Cell Biology 3 cr
   - BIOS 307 Biochemical Metabolism 3 cr
   - BIOS 309 Molecular Biology 3 cr
   - BIOS 355 Biology of Cancer 3 cr

2. Organismal Structure and Function
   - BIOS 300 Human Functional Anatomy (L) 4 cr
   - BIOS 317 Developmental Biology 3 cr
   - BIOS 341 Mammalian Physiology 3 cr
   - BIOS 344 Plant Physiology 3 cr
   - BIOS 420 Neuroscience 3 cr

3. Biological Diversity
   - BIOS 303 Microbiology (L) 4 cr
   - BIOS 311 Parasitology (L) 4 cr
   - BIOS 313 Invertebrate Zoology (L) 4 cr
   - BIOS 318 Vertebrate Zoology (L) 4 cr
   - BIOS 324 Botany (L) 4 cr
   - BIOS 351 Virology 3 cr

4. Population Biology
   - BIOS 305 Principles of Ecology (L) 4 cr
   - BIOS 314 Evolutionary Biology 3 cr
   - BIOS 330 Topics in Field Biology (L) 3 cr
   - BIOS 333 Restoration Ecology (L) 3 cr
   - BIOS 336 Conservation Biology 3 cr
   - BIOS 340 Animal Behavior (L) 4 cr
   - BIOS 414 Molecular Evolution 3 cr

A course in each of the four areas is required. Students can select among any of the remaining 200-400 level biological sciences courses to complete the remaining 12 elective credits, which may include up to three credits each of BIOS 494 and BIOS 499.

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 requirement are marked with an (L) in the list above as well as BIOS 453 and 455. BIOS 435 Experimental Methods/Biochemistry Lab is a core class and does not satisfy this requirement.

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

D. Optional Concentration in Pre-Health Professions (27 credits) [check formatting on web here]
Students who are planning to pursue graduate/professional work in health sciences should consider completing the biological sciences major with a concentration in pre-health professions. Students complete the same biological sciences major core course requirements (A) and mathematics, physics and chemistry course requirements (B), but use the following course plan for the elective course requirements (C):

1. Required Concentration Courses (20 credits)
   - BIOS 300 Human Functional Anatomy (L) 4 cr
   - BIOS 303 Microbiology (L) 4 cr
   - BIOS 307 Biochemical Metabolism 3 cr
BIOS 341  Mammalian Physiology  3 cr  
CHEM 323  Organic Chemistry Laboratory  3 cr  
BIOS 314  Evolutionary Biology   3 cr  
OR  
BIOS 414  Molecular Evolution   3 cr  

2. Elective Concentration Courses (7 credits)  
BIOS 301  Cell Biology    3 cr  
BIOS 309  Molecular Biology    3 cr  
BIOS 311  Parasitology (L)    4 cr  
BIOS 317  Developmental Biology    3 cr  
BIOS 342  Mammalian Physiology Laboratory    1 cr  
BIOS 351  Virology    3 cr  
BIOS 355  Biology of Cancer    3 cr  
BIOS 420  Neuroscience    3 cr  

Program Level Objectives for Molecular Biology and Bioinformatics  

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.  
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 (76-78 credits)  
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. 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.  

A. Required Core Courses (40 credits)  
BIOS 101  Bioscience    4 cr  
BIOS 102  Organismal Biology    4 cr  
BIOS 210  Biostatistics    4 cr  
BIOS 260  General Genetics    4 cr  
BIOS 301  Cell Biology    3 cr  
BIOS 303  Microbiology    4 cr  
BIOS 309  Molecular Biology    3 cr  
BIOS 453  Molecular Biology and Bioinformatics of Nucleic Acids    4 cr  
BIOS 455  Protein Biochemistry and Bioinformatics    4 cr  
BIOS 489  Molecular Biology and Bioinformatics Senior Project    2 cr  
BIOS 499  Independent Study (over two semesters)    4 cr  

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 adviser before registration if such a situation arises.
B. Mathematics, Chemistry, Computer Science and Physics Courses (33 credits)

1. Mathematics Course (5 credits)
   MATH 221 Calculus and Analytic Geometry I 5 cr

2. Chemistry Courses (18 credits)
   CHEM 101 General Chemistry I 4 cr
   CHEM 102 General Chemistry II 4 cr
   CHEM 103 General Chemistry I Lab 1 cr
   CHEM 104 General Chemistry II Lab 1 cr
   CHEM 321 Organic Chemistry I 4 cr
   CHEM 322 Organic Chemistry II 4 cr

3. Physics Courses (10 credits)
   PHYS 105 College Physics I 5 cr
   PHYS 106 College Physics II 5 cr
   OR
   PHYS 201 General Physics I 5 cr
   PHYS 202 General Physics II 5 cr
   Students who plan to do graduate work are advised to also take MATH 222 Calculus and Analytic Geometry II; and CHEM 302 & 303 Physical Chemistry I and II.

C. Elective Courses (3-5 credits)
   Choose from:
   BIOS 300 - 600 level courses (excluding: BIOS 435 Experimental Methods; BIOS 495 Senior Seminar; BIOS 499 Independent Study)
   CHEM 323* Organic Chemistry Laboratory 3 cr
   CHEM 620 Advanced Biochemistry 3 cr
   CSCI 241 Computer Science I 4 cr
   CSCI 242 Computer Science II 4 cr
   MATH 222* Calculus and Analytic Geometry II 5 cr
   MATH 231 Discrete Mathematics 3 cr
   MATH 309 Probability and Statistics 3 cr
   MIS 322 Business Programming II-C# 3 cr
   MIS 328 Database Management Systems 3 cr

*Recommended by 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.

Requirements for the Biological Sciences Minor (20 credits)

A. Required Courses (8 credits)
   BIOS 101 Bioscience 4 cr
   BIOS 102 Organismal Biology 4 cr

B. Elective Courses (12 credits)
   BIOS 200+ Electives 200 level or above
   (excluding BIOS 202 General Microbiology) 12 cr

Requirements for the Biological Sciences for Elementary Teachers Minor (24-38 credits)

A. Required Courses (12 credits)
   BIOS 101 Bioscience 4 cr
   BIOS 102 Organismal Biology 4 cr
   MATH 111 College Algebra I 4 cr
B. Elective Options (12-26 credits)
Choose one option:

1. Elective Option I (26 credits)
   Required:
   
   BIOS 105  Human Physiology and Anatomy I  5 cr
   BIOS 106  Human Physiology and Anatomy II  5 cr
   BIOS 190  Fundamentals of Nutrition  2 cr
   CHEM 101  General Chemistry I  4 cr
   CHEM 102  General Chemistry II  4 cr
   CHEM 103  General Chemistry I Lab  1 cr
   CHEM 104  General Chemistry II Lab  1 cr
   CHEM 215  Organic and Biochemistry  4 cr

2. Elective Option II (12 credits)
   a. Required courses (6 credits)
      
      BIOS 103  Human Biology  3 cr
      BIOS 104  Environmental Science  3 cr
   
   b. Elective courses (6 credits)
      
      Any additional BIOS courses
      200-level or above  6 cr

Requirements for the Biological Sciences for Secondary Teachers Minor (41-45 credits)

A. Biological Sciences Courses (26-27 credits)

1. Required Courses (19 credits)

   BIOS 101  Bioscience  4 cr
   BIOS 102  Organismal Biology  4 cr
   BIOS 210  Biostatistics  4 cr
   BIOS 260  General Genetics  4 cr
   BIOS 314  Evolutionary Biology  3 cr

2. Elective Courses (7-8 credits)

   a. Choose one (3-4 credits)
      
      BIOS 305  Principles of Ecology (L)  4 cr
      BIOS 333  Restoration Ecology (L)  3 cr
      BIOS 336  Conservation Biology  3 cr
   
   b. Choose one (4 credits)
      
      BIOS 303  Microbiology (L)  4 cr
      BIOS 311  Parasitology (L)  4 cr
      BIOS 313  Invertebrate Zoology (L)  4 cr
      BIOS 318  Vertebrate Zoology (L)  4 cr

3. Mathematics Courses (5-8 credits)

   Choose one option:
   
   MATH 111  College Algebra I  4 cr
   AND
   MATH 112  College Algebra II  4 cr
   OR
   MATH 114  College Algebra II with
              Trigonometry  5 cr
4. Chemistry Courses (10 credits)
   CHEM 101 General Chemistry I   4 cr
   CHEM 102 General Chemistry II   4 cr
   CHEM 103 General Chemistry I Lab  1 cr
   CHEM 104 General Chemistry II Lab  1 cr

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 Research,
- Successfully complete an oral or poster presentation detailing independent research accomplishments within BIOS 499,
- Successfully complete a written research thesis detailing independent research accomplishments within BIOS 499,
- 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.

Teacher Education Licensure in Biological Sciences
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 the biological sciences department and the Institute of Professional Educator Development (IPED).

The requirements for teacher licensure are specific, and therefore, students must meet with the IPED Adviser to coordinate the major and teacher education curriculum. It is very important to contact the IPED adviser at 262-595-2180 or Molinaro D111 as soon as possible. Students are required to seek advising each semester from both the IPED Adviser and the biological sciences department liaison to the teacher education program. Complete information about the Teacher Education Program can be found on the IPED website at: https://www.uwp.edu/learn/departments/educatordevelopment/Contacts.cfm

Courses in Biological Sciences (BIOS)

100 Nature of Life       3 cr
   Prereq: None. Freq: Fall, Spring.
   Nature of living things is explored and current developments in biology are discussed. Designed specifically for non-science majors; not for credit toward biological sciences major. Three-hour lecture.

101 Bioscience       4 cr
   Prereq: MATH 111 or concurrent enrollment; placement into ENGL 100 or higher. Freq: Fall, Spring.
   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.

102 Organismal Biology      4 cr
   Prereq: MATH 111 or concurrent enrollment; placement into ENGL 100 or higher. Freq: Fall, Spring.
   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.

103 Human Biology       3 cr
   Prereq: None. Freq: Yearly.
   A general course which covers basic information about the human body. Designed specifically for non-science majors; not for credit toward biological sciences major. Three-hour lecture.
104 Environmental Science: A Biological Approach  3 cr
  Prereq: None. Freq: Spring, Summer.
  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. Three-hour lecture.

105 Human Physiology and Anatomy I  5 cr
  Prereq: None. Freq: Fall, Spring.
  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. Not for credit toward biological sciences major. Three-hour lecture;
two-hour discussion; two-hour lab.

106 Human Physiology and Anatomy II  5 cr
  Prereq: BIOS 105. Freq: Fall, Spring.
  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.

109 Biology of Aging  3 cr
  Prereq: None. Freq: Spring.
  Introduces the process of human aging. Explains fundamental principles of human physiology and how it relates to
  successful aging. Includes student team presentations.

114 Freshman Seminar in Biological/Health Sciences  1 cr
  Prereq: None. Freq: Fall.
  Overview of education, careers, and potential growth opportunities in health-related fields and biological sciences. Not for
  credit toward biological sciences major. Two-hour lecture.

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.

202 General Microbiology  4 cr
  Prereq: BIOS 105, 106 or concurrent registration; CHEM 102 and 104 or 115; or consent of instructor. Freq: Fall.
  Explores structure, growth, reproduction, and activities of microorganisms including medical applications. Covers isolation
  and propagation of bacteria. Three-hour lecture; three-hour lab.

207 Research Process in Biology  2 cr
  Prereq: BIOS 101 or BIOS 102 and consent of instructor. Freq: Spring
  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.

210 Biostatistics  4 cr
  Prereq: BIOS 101, 102 and MATH 112, 113; or equivalent. Freq: Fall, Spring.
  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.

260 General Genetics  4 cr
  Prereq: BIOS 101, 102; 210 or concurrent registration and CHEM 102, 104. Freq: Fall, Spring.
  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.

290 Special Topics in Biological Sciences  1-4 cr
  Prereq: Varies with topic. Freq: Occasionally.
  Selected topics in the biological sciences.

300 Human Functional Anatomy  4 cr
  Prereq: BIOS 101, 102; or consent of instructor. Freq: Fall, Spring.
  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.

301 Cell Biology  3 cr
  Prereq: BIOS 260, CHEM 322 or concurrent registration. Freq: Spring (odd years).
  Studies cells and cellular organelles. Emphasizes the relationship between cellular and macromolecular structure and
  function. Three-hour lecture; one-hour discussion.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites</th>
<th>Frequency</th>
</tr>
</thead>
<tbody>
<tr>
<td>303</td>
<td>Microbiology</td>
<td>4 cr</td>
<td>BIOS 260 or consent of instructor. Freq: Spring.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Advanced treatment of the structure, growth and activities of microorganisms, including medical microbiology, microbial pathogenesis, and environmental microbiology. Three-hour lecture; three-hour lab.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>305</td>
<td>Principles of Ecology</td>
<td>4 cr</td>
<td>BIOS 101, 102, and 210. Freq: Fall (odd years).</td>
<td></td>
</tr>
<tr>
<td></td>
<td>An introduction to the relations of plants and animals to their organic and inorganic environments, with an emphasis on the 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.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>307</td>
<td>Biochemical Metabolism</td>
<td>3 cr</td>
<td>BIOS 101, 102 and CHEM 322; or consent of instructor. Freq: Fall.</td>
<td></td>
</tr>
<tr>
<td>309</td>
<td>Molecular Biology</td>
<td>3 cr</td>
<td>BIOS 260, CHEM 322 or concurrent registration. Freq: Spring.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Study of DNA, RNA, and proteins; the regulation of their synthesis; and the important roles they have in cells and organisms. Three-hour lecture.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>311</td>
<td>Parasitology</td>
<td>4 cr</td>
<td>BIOS 101, 102; or consent of instructor. Freq: Fall (odd years).</td>
<td></td>
</tr>
<tr>
<td></td>
<td>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 lab.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>312</td>
<td>Medical and Forensic Entomology</td>
<td>4 cr</td>
<td>BIOS 101, 102 and 210. Freq: Occasionally.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Investigates the ecology of human and insect interactions, their significance to public health, and application to forensic science. Three-hour lecture; three-hour lab.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>313</td>
<td>Invertebrate Zoology</td>
<td>4 cr</td>
<td>BIOS 101, 102, and 210. Freq: Fall (even years).</td>
<td></td>
</tr>
<tr>
<td></td>
<td>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.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>314</td>
<td>Evolutionary Biology</td>
<td>3 cr</td>
<td>BIOS 101, 102, and 260. Freq: Spring.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>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.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>317</td>
<td>Developmental Biology</td>
<td>3 cr</td>
<td>BIOS 101, 102; or consent of instructor. Freq: Spring.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Studies developmental anatomy and molecular mechanisms of development among representative vertebrate types from cleavage through organogenesis. Three-hour lecture.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>318</td>
<td>Vertebrate Zoology</td>
<td>4 cr</td>
<td>BIOS 101, 102; or consent of instructor. Freq: Fall.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>An introduction to the biology of vertebrates with emphasis on structure, diversity, evolution, and distribution. Field trips. Three-hour lecture; three-hour lab.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>324</td>
<td>Botany</td>
<td>4 cr</td>
<td>BIOS 101, 102. Freq: Fall (even years).</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Studies plants from the viewpoints of systematics, evolution, morphology and ecology. Field trips. Three-hour lecture; three-hour lab.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>329</td>
<td>Paleontology</td>
<td>3 cr</td>
<td>GEOS 102 or BIOS 102. Freq: Spring.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Applies principles, practices, and procedures 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.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>330</td>
<td>Topics in Field Biology</td>
<td>3 cr</td>
<td>BIOS 101, 102; or consent of instructor. Freq: Occasionally.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>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.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
<td>Credits</td>
<td>Prerequisites</td>
<td>Frequency</td>
</tr>
<tr>
<td>------------</td>
<td>--------------------------------------------</td>
<td>---------</td>
<td>-------------------------------------------------------------------------------</td>
<td>-----------------</td>
</tr>
<tr>
<td>333</td>
<td>Restoration Ecology</td>
<td>4 cr</td>
<td>Prereq: BIOS 102 or 104 or ENV 101. Freq: Occasionally.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>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.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>336</td>
<td>Conservation Biology</td>
<td>3 cr</td>
<td>Prereq: BIOS 102 or 104 or ENV 101. Freq: Occasionally.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Introduces biological and social aspects of conservation. Includes a history of the conservation movement emphasizing modern techniques for monitoring and maintaining biological diversity. Focuses on applications to local and regional conservation problems. Three-hour lecture.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>340</td>
<td>Animal Behavior</td>
<td>4 cr</td>
<td>Prereq: BIOS 210. Freq: Fall (even years).</td>
<td></td>
</tr>
<tr>
<td></td>
<td>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.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>341</td>
<td>Mammalian Physiology</td>
<td>3 cr</td>
<td>Prereq: BIOS 210, CHEM 321; or consent of instructor; BIOS 300 recommended. Freq: Fall.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Advanced treatment of major mammalian organ systems and their roles in homeostasis. Three-hour lecture.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>342</td>
<td>Mammalian Physiology Laboratory</td>
<td>1 cr</td>
<td>Prereq: BIOS 341; or concurrent registration in BIOS 341, or consent of instructor. Freq: Fall.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Uses models, computer programs, and experiments to examine major mammalian organ systems and their role in homeostasis. Three-hour lab.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Examines plant growth, development and nutrition from the physiology point of view. Includes aspects of plants and their impacts on food production, the environment and human health. Three-hour lecture.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>351</td>
<td>Virology</td>
<td>3 cr</td>
<td>Prereq: BIOS 260, CHEM 321; or consent of instructor. Freq: Occasionally.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>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.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>355</td>
<td>Biology of Cancer</td>
<td>3 cr</td>
<td>Prereq: BIOS 260, CHEM 322; or concurrent registration. Freq: Spring (even years).</td>
<td></td>
</tr>
<tr>
<td></td>
<td>A study of the genetic and molecular mechanisms underlying the broad disease of cancer. Three-hour lecture/discussion.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>390</td>
<td>Special Topics in Biological Sciences</td>
<td>1-4 cr</td>
<td>Prereq: Varies with topic. Freq: Occasionally.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Selected topics in the biological sciences.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>410</td>
<td>Cellular and Molecular Immunology</td>
<td>3 cr</td>
<td>Prereq: BIOS 260, 307, 309, and consent of instructor. Freq: Occasionally.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>The immune system and its analysis at the cellular and molecular level. Three-hour lecture.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>411</td>
<td>Microbial Physiology and Diversity</td>
<td>3 cr</td>
<td>Prereq: BIOS 303 or consent of instructor. Freq: Alternate years.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>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.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>414</td>
<td>Molecular Evolution</td>
<td>3 cr</td>
<td>Prereq: BIOS 309 or 314; or consent of instructor. Freq: Occasionally.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Examines the evolution of nucleic acids and proteins. Considers 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.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>420</td>
<td>Neuroscience</td>
<td>3 cr</td>
<td>Prereq: BIOS 300, 341; or consent of instructor. Freq: Occasionally.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>This course emphasizes the neuroanatomy and the related neurophysiology of the human nervous system. Communication between the external environment and the central nervous system is presented using electrical and chemical methods of cell signaling systems, integration of sensory and motor function, and some of the pathology associated with the nervous system. Three-hour lecture; one-hour discussion.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
<td>Credits</td>
<td></td>
<td></td>
</tr>
<tr>
<td>------------</td>
<td>--------------------------------------------------------</td>
<td>---------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>435</td>
<td>Experimental Methods/Biochemistry Lab</td>
<td>2 cr</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Prereq: CHEM 322, and consent of instructor. Freq: Fall, Spring.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Familiarization with the use of scientific instruments and techniques; 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. Cross-listed with CHEM 308. Four-hour lab.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>445</td>
<td>Experimental Methods in Ecology and Evolution</td>
<td>2 cr</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Prereq: BIOS 101, 102, 210, 260 and consent of instructor. Freq: Fall.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Provides a capstone experience in applied field and laboratory research. Includes sampling natural and experimental populations and ecological communities coupled with advanced statistical and analytical methods for ecology and evolution.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>453</td>
<td>Molecular Biology and Bioinformatics of Nucleic Acids</td>
<td>4 cr</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Prereq: BIOS 260, 309, and consent of instructor. Freq: Spring.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>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.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>455</td>
<td>Protein Biochemistry and Bioinformatics</td>
<td>4 cr</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Prereq: BIOS 260, 309, and consent of instructor. Freq: Spring.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>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.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>489</td>
<td>Molecular Biology and Bioinformatics Senior Project</td>
<td>1 cr</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Prereq: BIOS 453, 455. Freq: Fall, Spring, Summer.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>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.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>490</td>
<td>Advanced Topics in Biology</td>
<td>1-4 cr</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Prereq: Varies with topic. Freq: Occasionally.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Selected advanced topics in the biological sciences.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>494</td>
<td>Internship in Biological Sciences</td>
<td>1-3 cr</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Prereq: BIOS 210, 2.80 GPA, consent of instructor. Freq: Fall, Spring, Summer.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>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. A maximum of 3 credits of BIOS 494 may be used toward elective credit in the major.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>495</td>
<td>Senior Seminar</td>
<td>1 cr</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Prereq: Senior standing and consent of instructor. Freq: Fall, Spring.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Each participant presents several seminars involving literature search, synthesis of research data, and organization into an effective oral presentation.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>499</td>
<td>Independent Study</td>
<td>1-3 cr</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Prereq: Consent of instructor and department chair. Junior standing and minimum 2.80 GPA in BIOS courses recommended. Freq: Fall, Spring, Summer.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Student research performed under the supervision of a regular faculty member. A maximum of 3 credits may be used toward elective credit in the major.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Business

UW-Parkside 2017-19 Catalog
Molinaro 344 • 262-595-2280

College:
Business, Economics, and Computing

Degrees and Programs Offered:
Bachelor of Science

Majors - Accounting, Business Management, Management Information Systems, Marketing

Minors - Business Management, Global Management, Management Information Systems

Certificates - Business Fundamentals, Entrepreneurship, Project Management, Retail Management, Sales

Major Concentrations for Business Management – Finance, General, Human Resource Management

Professional Accreditations or Memberships:
The bachelor of science with a majors in Accounting, Business Management, Management Information Systems and Marketing are 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, but include accountant, sales and marketing representatives, information systems analyst, human resource specialist, computer programmer, project manager, product manager, market research analyst, cost analyst, financial analyst, logistics, recruiter, training specialist, entrepreneur, and personnel generalist. Examples for career opportunities in accounting include certified public accountant, staff accountant, tax specialist, auditing, 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, market research, political campaign managers, promotions, public relations, 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, marketing, organizational behavior, MIS, production 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, entrepreneurship, project management, retail 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, 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 like 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 a faculty 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.

A. 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. Speech 105, Math 112, English 201, 202 or 204, Economics 120 and 121 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.).

B. Completion of requirements of the business department and individual majors. Students must meet all requirements for the major in effect at the time of admission into the specific program.

C. 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.

D. An overall degree GPA of 2.00 or higher (including any transfer courses).

E. 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.

**Common Fundamental, Preparation, and Core Course Requirements for all Business Majors (49 credits)**
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.

A. **Fundamental Preparation Courses (16 credits)** *

   A minimum grade of C or better is required in each course below (C- is not acceptable).

   **Required Courses (13 credits)**
   
   - ECON 120 Principles of Microeconomics 3 cr
   - ECON 121 Principles of Macroeconomics 3 cr
   - MATH 112 College Algebra II 4 cr
   - SPCH 105 Public Speaking 3 cr

   **Advanced Writing Course (3 credits)**
   
   Choose one:
   - ENGL 201 Advanced Composition 3 cr
   - ENGL 202 Technical Writing 3 cr
   - ENGL 204 Writing for Business and Industry 3 cr

   **Approved transfer classes worth fewer credits than the equivalent class can reduce the 16 credit requirement (example – Math 112 transfers in with 3 credits, reducing credits in this area to 15 credits)
B. Business Preparation Courses (15 credits) **
A minimum grade of C or better is required in each course below (C- is not acceptable).

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 201</td>
<td>Financial Accounting</td>
<td>3 cr</td>
</tr>
<tr>
<td>ACCT 202</td>
<td>Managerial Accounting</td>
<td>3 cr</td>
</tr>
<tr>
<td>BUS 272</td>
<td>Legal Environment of Business</td>
<td>3 cr</td>
</tr>
<tr>
<td>QM 210</td>
<td>Business Statistics I</td>
<td>3 cr</td>
</tr>
<tr>
<td>QM 310</td>
<td>Business Statistics II</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

**Approved transfer classes worth fewer credits than the equivalent class can reduce the 15 credit requirement.

C. Business Foundation Core Courses (18 credits)
Students must acquire an overall average GPA of 2.5 in 300/400 level foundation, major and concentration courses.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>QM 319</td>
<td>Operations Management</td>
<td>3 cr</td>
</tr>
<tr>
<td>MIS 320</td>
<td>Management Information Systems</td>
<td>3 cr</td>
</tr>
<tr>
<td>FIN 330</td>
<td>Managerial Finance</td>
<td>3 cr</td>
</tr>
<tr>
<td>MGT 349</td>
<td>Organizational Behavior</td>
<td>3 cr</td>
</tr>
<tr>
<td>MKT 350</td>
<td>Marketing Principles</td>
<td>3 cr</td>
</tr>
<tr>
<td>BUS 495</td>
<td>Strategic Management</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

**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 (junior standing);
- Minimum overall GPA of 2.00 (calculated with and without transfer grades);
- Be within 12 or fewer credits of completing general education requirements;
- Complete the following courses with a C or better (C-minus is not acceptable): ACCT 201, BUS 272, SPCH 105, ECON 120, ECON 121, MATH 112, QM 210.

Requirements for the Accounting Major (73 credits)
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.

Learning Goals
In addition to the business learning goals, the department has defined the following learning goals for accounting majors.

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.
A. Common Fundamental, Preparation, and Core Courses (49 credits)
Details of this common requirement are listed earlier in this section.

1. Fundamental Preparation Courses (16 credits)
2. Business Preparation Courses (15 credits)
3. Business Foundation Core (18 credits)

B. Accounting Courses (24 credits)
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).

Required Major Courses (24 credits):
- ACCT 301 Intermediate Accounting I 3 cr
- ACCT 302 Intermediate Accounting II 3 cr
- ACCT 305 Individual Taxation 3 cr
- ACCT 306 Business Taxation 3 cr
- ACCT 400 Advanced Accounting 3 cr
- ACCT 403 Advanced Cost Accounting 3 cr
- ACCT 404 Auditing 3 cr
- BUS 372 Business Law 3 cr

Recommended:
- ACCT 405 Volunteer Income Tax Assistance (optional) 1 cr

Students planning to take regional CPA Exams should take one of the two courses below.
State of Wisconsin:
- ACCT 402 Accounting Information Systems 3 cr

State of Illinois:
- PHIL 206 Introduction to Ethics 3 cr

B. Business Management Concentrations (15-18 credits)
Choose one concentration:

1. Requirements for the Finance Concentration (18 credits)
   Career possibilities include financial analyst, financial planner, banking professional, investment analyst, portfolio analyst, stockbroker, corporate buyer, cost estimator, budget analyst.
a. **Required Courses (9 credits)**
   - FIN 335  Investments  3 cr
   - FIN 336  Management of Financial Institutions  3 cr
   - FIN 431  Advanced Managerial Finance  3 cr

b. **Elective Courses (6 credits)**
   Choose two:
   - FIN 435  Security Analysis and Portfolio Management  3 cr
   - FIN 437  International Financial Management  3 cr
   - ACCT 301  Intermediate Accounting I  3 cr

2. **Requirements for the General Business Concentration (18 credits)**
   Career possibilities include business administration, corporate communications, sales, retail management, logistics and materials management, hospitality management.

   a. **Required Course (3 credits)**
      - HRM 343  Human Resource Management  3 cr

   b. **Choose Additional Upper-Level Business Department Courses (15 credits)**
      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 and BUS 499 Independent Study across all business disciplines cannot exceed 6 credits.

3. **Requirements for the Human Resource Management Concentration (15 credits)**
   Career possibilities include benefits specialist, affirmative action office, compensation manager, corporate trainer, employment policy manager, labor relations manager, recruiter and recruiting manager.

   a. **Required Course (3 credits)**
      - HRM 343  Human Resource Management  3 cr

   b. **Elective Courses (6 credits)**
      Choose two:
      - HRM 441  Staffing Organizations  3 cr
      - HRM 442  Improving Employee Performance  3 cr
      - HRM 444  Compensation and Benefit  3 cr

   c. **Major Elective Courses (6 credits)**
      Choose two:
      - HRM 490  Special Topics in Human Resource Management  3 cr
      - HRM 494  Internship in Human Resource Management  3 cr
      - HRM 499  Independent Study in Human Resource Management  3 cr
      - MGT 446  Global Management  3 cr
      - MGT 447  Management Techniques  3 cr
      - PMGT 342  Essential Personal Skills for Project Management  3 cr
      - RMGT 453  Retail Management  3 cr
      - RMGT 454  Service Management  3 cr
      - COMM 303  Organizational Communication  3 cr
      - COMM 385  Conflict Mediation  3 cr
COMM 485 Practicum in Conflict Intervention 3 cr
ECON 380 The Labor Market 3 cr
PSYC 330 Interviewing 3 cr
SOCA 371 Occupations and Professions 3 cr
SOCA 374 Women and Work 3 cr
*Students who choose to take HRM 441, 442, and 444 may count one of them as an elective.
(Non-business electives may not be used toward the general business concentration.)

Admission 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.

Requirements for the Business Management Major Online
Degree Completion Program (67 Credits)
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.

A. Common Fundamental, Preparation, and Core Courses (49 credits)
Details of this common requirement are listed earlier in this section.
1. Fundamental Preparation Courses (16 credits)
2. Business Preparation Courses (15 credits)
3. Business Foundation Core (18 credits)

B. Business Management Concentration-General Business (18 credits)
Career possibilities include business administration, corporate communications, sales, retail management, logistics and materials management, hospitality management.

1. Required Course (3 credits)
   HRM 343 Human Resource Management 3 cr

2. Choose Additional Upper-Level Business Department Courses (15 credits)
   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 and BUS 499 Independent Study across all business disciplines cannot exceed 6 credits.
Requirements for the Management Information Systems (MIS) Major (73 credits)

The MIS major includes fundamental and business preparation courses (31 credits), upper-level foundation core courses (18 credits), and MIS courses (24 credits) as defined below.

A. Common Fundamental, Preparation, and Core Courses (49 credits)

Details of this common requirement are listed earlier in this section.

1. Fundamental Preparation Courses (16 credits)
2. Business Preparation Courses (15 credits)
3. Business Foundation Core Courses (18 credits)

B. MIS Courses (24 credits)

1. Required MIS Foundation Core Courses (18 credits)
   - MIS 221 Business Programming I – Visual Basic 3 cr
   - MIS 322 Business Programming II – C# 3 cr
   - MIS 327 IT Infrastructure 3 cr
   - MIS 328 Database Management Systems 3 cr
   - MIS 425 Systems Analysis and Design 3 cr
   - PMGT 341 Basics of Project Management 3 cr

2. MIS Elective Courses (6 credits)
   Choose one or two courses from:
   - MIS 422 Internet Programming 3 cr
   - MIS 424 Advanced Business Data Communications 3 cr
   - MIS 426 Field Project 3 cr
   - MIS 428 IS Planning and Project Management 3 cr
   - MIS 429 e-Business 3 cr
   - PMGT 441 Advanced Project Management Tools and Techniques 3 cr

   Choose no more than one course from:
   - MIS 494 Internship in Management Information Systems 3 cr
   - CSCI 322 Web Concepts II 3 cr
   - CSCI 340 Data Structures and Algorithm Design 3 cr
   - CSCI 375 UNIX System Administration 3 cr
   - CSCI 478 Network Security 3 cr

Note: Students pursuing the MIS major are strongly encouraged to complete six of the twelve credits of natural sciences general education requirement with two of the following courses:

   CSCI 105 Introduction to Computers 3 cr
   CSCI 130 Introduction to Programming 3 cr
   CSCI 210 Mobile Device Interfaces 3 cr
   CSCI 241 Computer Science I 3 cr

MIS major students are also strongly encouraged to complete a related certificate program: cyber security, unix system administration, or world wide web publishing.
Requirements for the Marketing Major (67 Credits)

Students should declare the marketing major as soon as possible to stay on track toward graduation. The marketing program at UW-Parkside includes fundamental and business preparation courses (31 credits), upper-level foundation courses (18 credits), and marketing courses (18 credits).

A. Common Fundamental, Preparation, and Core Courses (49 credits)

Details of this common requirement are listed earlier in this section.

1. Fundamental Preparation Courses (16 credits)
2. Business Preparation Courses (15 credits)
3. Business Foundation Core Courses (18 credits)

B. Marketing Courses (18 credits)

Career possibilities include account executive, advertising manager, brand manager, communication director, international buyers, market research analyst, product development director.

1. Required Courses (15 credits)
   Required (12 credits)
   MKT 354 Marketing Research 3 cr
   MKT 355 Buyer Behavior 3 cr
   MKT 358 Promotions Management 3 cr
   MKT 455 Marketing Management 3 cr
   Choose one (3 credits):
   MKT 452 Product Management 3 cr
   MKT 458 Personal Selling 3 cr

2. Elective Course (3 credits):
   Choose one:
   MKT 353 Internet Marketing 3 cr
   MKT 356 Global Marketing 3 cr
   MKT 357 Multicultural Marketing 3 cr
   MKT 452 Product Management 3 cr
   MKT 458 Personal Selling 3 cr
   MKT 467 Selling of Financial Services 3 cr
   MKT 469 Advanced Personal Selling 3 cr
   MKT 490 Special Topics in Marketing 3 cr
   MKT 494 Internship in Marketing 3 cr
   RMGT 453 Retail Management 3 cr
   RMGT 454 Service Management 3 cr

Requirements for the Business Management Minor (31 credits)

The business management minor includes fundamental and business preparation courses (16 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. 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).

A. Fundamental Preparation Courses (10 credits) *
   MATH 112 College Algebra II 4 cr
   ECON 120 Principles of Microeconomics 3 cr
   ECON 121 Principles of Macroeconomics 3 cr

UW-PARKSIDE 2017-19 CATALOG – 86
B. Business Preparation Courses (6 credits) *

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 201</td>
<td>Financial Accounting</td>
<td>3 cr</td>
</tr>
<tr>
<td>QM 210</td>
<td>Business Statistics I</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

*Approved transfer classes that transfer with fewer than the specified credits above may reduce the total credit requirement (example – MATH 112 equivalent transfers in with 3 credits, this reduces the credits in this area to 9 credits).

C. Business Foundation Core Courses (15 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>QM 319</td>
<td>Operations Management</td>
<td>3 cr</td>
</tr>
<tr>
<td>FIN 330</td>
<td>Managerial Finance</td>
<td>3 cr</td>
</tr>
<tr>
<td>MKT 350</td>
<td>Marketing Principles</td>
<td>3 cr</td>
</tr>
<tr>
<td>MGT 349</td>
<td>Organizational Behavior</td>
<td>3 cr</td>
</tr>
<tr>
<td>MIS 320</td>
<td>Management Information Systems</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

Requirements for the Global Management Minor (15 credits)
The global management minor requires five courses (15 credits). Non-business students can minor in global management but would also need to take the prerequisite courses defined for each class. To declare a minor in global management, students must submit a plan declaration to the advising and career center or the business department office (Molinaro Hall 344).

A. Business Functional Area Foundation Course (3 credits)

Choose one:*

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIN 330</td>
<td>Managerial Finance</td>
<td>3 cr</td>
</tr>
<tr>
<td>MKT 350</td>
<td>Marketing Principles</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

B. Required Course (3 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGT 446</td>
<td>Global Management</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

C. Elective Courses (6 credits)*

Choose two:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIN 437</td>
<td>International Financial Management</td>
<td>3 cr</td>
</tr>
<tr>
<td>MKT 356</td>
<td>Global Marketing</td>
<td>3 cr</td>
</tr>
<tr>
<td>BUS 490</td>
<td>Special Topics in Business Management</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td>(approved international business study tour)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Pre-approved international business courses</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

D. Additional Elective Course (3 credits)

Choose one additional elective from either the list below or courses not yet taken listed above:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 308</td>
<td>Economic Development</td>
<td>3 cr</td>
</tr>
<tr>
<td>ECON 310</td>
<td>International Trade</td>
<td>3 cr</td>
</tr>
<tr>
<td>POLS 304</td>
<td>Theories of International Relations</td>
<td>3 cr</td>
</tr>
<tr>
<td>BUS 494</td>
<td>Internship in Business</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

The internship must be completed with a company or subsidiary located outside of the United States or in the international division of a company located in the United States or with a small firm engaged in international business. If the internship takes place within the United States, it must entail significant involvement in the international side of the organization’s business.

NOTE: No more than two business courses in section B and C can be double-counted for other business concentrations and majors.
Requirements for the Management Information Systems Minor (15-17 credits)

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 (Molina o Hall 344).

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.

A. Required Business Course (3 credits)
   Choose one:
   - BUS 100 Introduction to Business 3 cr
   - ACCT 201 Financial Accounting 3 cr

B. Required Programming Course (3-5 credits)
   Choose one:
   - MIS 221 Business Programming I – Visual Basic 3 cr
   - CSCI 145 Introduction to Computer Science 5 cr
   - BIOS 480 Bioinformatics Programming 4 cr

C. Required MIS Courses (9 credits)
   Required courses:
   - MIS 327 IT Infrastructure 3 cr
   - MIS 328 Database Management Systems 3 cr
   - MIS 425 Systems Analysis and Design 3 cr

Requirements for the Business Fundamentals Certificate (15 credits)

The business fundamentals certificate program is open to non-business students seeking to augment their area of specialty with basic business qualifications. Upon completion of the certificate students will be able to differentiate among functional areas of the business enterprises; interpret the role of businesses in modern society; analyze of economic factors and personal decisions that affect the individual's financial well-being; prepare, analyze and interpret financial statements; describe basic concepts in gathering, measuring, and communicating financial information; apply the principles and key concepts of entrepreneurship; illustrate entrepreneurial concepts related to opportunity recognition, innovation and creativity; apply principles and models of economic aggregates such as national income, unemployment, inflation, economic growth, and the monetary system; and discuss monetary and fiscal policy. In addition to in-person class options, all required courses are available online.

Business Fundamentals Courses (15 credits)

Required Courses (12 credits)
- ACCT 201 Financial Accounting 3 cr
- BUS 100 Intro to Business 3 cr
- ENTR 250 Entrepreneurial Principles 3 cr
- FIN 234 Personal Financial Planning 3 cr

Choose one course (3 credits)
- ECON 121 Principles of Macroeconomics 3 cr
- ECON 101 The American Economy 3 cr
Requirements for the Entrepreneurship Certificate (9 credits)
The certificate program in entrepreneurship offers students interested in owning or managing a small business or new venture both practical and theoretical training in the process of a business start-up, including self-assessment, opportunity recognition, feasibility assessment, creating a values-based business, writing a business plan, learning to manage and lead the growing new venture, and hands-on experience with existing new ventures.

The certificate is designed for students who have already started a business as well as those who are interested in starting one in the future. The certificate program in entrepreneurship helps students to develop tools and understanding that will help them be successful whether in their own new ventures, working in their family’s business, or working for an entrepreneurial firm. The truly distinctive feature of this program is the focus on socially responsible entrepreneurship and community based learning.

It is available to undergraduate business and non-business majors as well as non-degree seeking students. A minimum of a 2.0 cumulative GPA in required courses is required to earn the certificate

Required Courses (9 credits)
ENTR 250 Entrepreneurial Principles  3 cr
ENTR 350 Entrepreneurial Leadership  3 cr
ENTR 450 Entrepreneurial Projects  3 cr

Requirements for the Project Management Certificate (12 credits)
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. 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 at an entrepreneurial firm

A minimum of a 2.0 cumulative GPA in required courses is required to earn the certificate

Required Courses (12 credits)
PMGT 341 Basics of Project Management  3 cr
PMGT 342 Essential Personal Skills for Project Management  3 cr
PMGT 441 Advanced Project Management Tools and Techniques  3 cr
PMGT 442 Project Management Simulation  3 cr

The project management certificate program is also available in the flexible option format. Please see the Flexible Option section of the catalog for information.

Requirements for the Retail Management Certificate (12 credits)
This certificate program offers students interested in a career in services and retail management a set of specialized courses. The retail management certificate is only available to business majors and minors.

A minimum of a 2.0 cumulative GPA in required courses is required to earn the certificate

A. Required Courses (6 credits)
RMGT 453  Retail Management  3 cr
RMGT 454  Services Management  3 cr
B. Additional Required Course (3 credits) **
Choose one:
- MKT 355  Buyer Behavior  3 cr
- HRM 343  Human Resource Management  3 cr

C. Elective Course (3 credits)
Choose one:
- RMGT 490  Special Topics in Retail Management  3 cr
- RMGT 494  Internship in Retail Management  3 cr
- ENTR 250  Entrepreneurial Principles  3 cr
- MIS 429  e-Business  3 cr
- MKT 357  Multicultural Marketing  3 cr
- MKT 358  Promotions Management  3 cr
- MKT 467  Selling of Financial Services  3 cr
- MKT 355  Buyer Behavior**  3 cr
- HRM 343  Human Resource Management**  3 cr

**Course may be taken as elective only if not already fulfilling section B above.

Requirements for the Sales Certificate (12 credits)
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). 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 at an entrepreneurial firm

A minimum of a 2.0 cumulative GPA in required courses is required to earn the certificate

Required Courses (12 credits)
- MKT 350  Marketing Principles  3 cr
- MKT 467  Selling of Financial Services  3 cr
- MKT 458  Personal Selling  3 cr
- MKT 469  Advanced Personal Selling  3 cr

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 junior or senior standing (completed a minimum of 54 credits), 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 junior status (54 credits) 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 (i) complete the appropriate number of work hours, (ii) provide a written performance evaluation from the internship supervisor, and (iii) complete one or more items of the following documentation (as determined by the faculty supervisor): regular status reports on the work performed, summary paper on internship experience, and/or 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 junior status (completion of 54 credit hours) 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 junior status (54 credits), 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).

Courses in Accounting (ACCT)

201 Financial Accounting 3 cr  
Prereq: MATH 111, Microsoft Excel knowledge. Freq: Fall, Spring, Summer. Introduces financial accounting emphasizing basic concepts and procedures in accumulating, measuring, and communicating financial information. Includes preparation, analysis, and interpretation of financial statements.

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

204 Accounting for Non-Business Majors 3 cr  
Prereq: Completion math computational skills or equivalent. Freq: Occasionally. Emphasizes understanding and use of accounting information in making decisions. Covers financial planning and budgets, analysis of financial statements, analysis and control of costs, profit and productivity analyses. Not available to business majors for credit.

301 Intermediate Accounting I 3 cr  
Prereq: ACCT 201, FIN 330 or concurrent registration. Freq: Fall. Study of income statement and balance sheet with in-depth study of accounting for assets, liabilities, and owners’ equity.

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

305 Individual Taxation 3 cr  
Prereq: ACCT 201. Freq: Fall. Examination of the U.S. federal income tax law pertaining to individuals, including business and investment activities.

306 Business Taxation 3 cr  
Prereq: ACCT 305. Freq: Spring. Examination of the U.S. federal income tax law pertaining to corporations, partnerships, estates, and trusts.

400 Advanced Accounting 3 cr  
Prereq: ACCT 302. Freq: Fall. Application of accounting principles and procedures to -business combinations, foreign operations and transactions, governmental and nonprofit organizations, and partnerships.

401 Accounting Theory 3 cr  
Prereq: ACCT 302. Freq: Occasionally. History and development of accounting theory; in-depth analysis of selected contemporary issues and formulation of accounting theory as related to generally accepted accounting principles.

402 Accounting Information Systems 3 cr  
Prereq: ACCT 301, MIS 320, junior standing, business major/minor. Freq: Fall, Spring. Examines planning and design of both manual and computer-based accounting information systems, emphasizing internal control requirements.

403 Advanced Cost Accounting 3 cr  
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisite</th>
<th>Frequency</th>
</tr>
</thead>
<tbody>
<tr>
<td>404</td>
<td>Auditing</td>
<td>3 cr</td>
<td>ACCT 301; junior standing, business major/minor</td>
<td>Fall, Spring</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>405</td>
<td>Volunteer Income Tax Assistance (VITA)</td>
<td>1 cr</td>
<td>ACCT 305</td>
<td>Spring</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>490</td>
<td>Special Topics in Accounting</td>
<td>1-3 cr</td>
<td>None</td>
<td>Occasionally</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>494</td>
<td>Internship in Accounting</td>
<td>1-3 cr</td>
<td>As provided in guidelines and policies available in Business Department; consent of instructor; department chair approval</td>
<td>Fall, Spring, Summer</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>499</td>
<td>Independent Study in Accounting</td>
<td>1-3 cr</td>
<td>As provided in guidelines and policies available in Business Department; consent of instructor; department chair approval</td>
<td>Fall, Spring, Summer</td>
</tr>
</tbody>
</table>

Courses in Business (BUS)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisite</th>
<th>Frequency</th>
</tr>
</thead>
<tbody>
<tr>
<td>100</td>
<td>Introduction to Business</td>
<td>3 cr</td>
<td>None</td>
<td>Fall, Spring, Summer</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>201</td>
<td>Experiencing Business</td>
<td>3 cr</td>
<td>Sophomore standing; declared business major</td>
<td>Fall, Spring</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>271</td>
<td>Business Communication for International Students</td>
<td>3 cr</td>
<td>None</td>
<td>Occasionally</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>272</td>
<td>Legal Environment of Business</td>
<td>3 cr</td>
<td>None</td>
<td>Fall, Spring</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>290</td>
<td>Special Topics in Business Management</td>
<td>1-3 cr</td>
<td>None</td>
<td>Occasionally</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>372</td>
<td>Business Law</td>
<td>3 cr</td>
<td>BUS 272</td>
<td>Spring</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>488</td>
<td>Simulation</td>
<td>3 cr</td>
<td>QM 210, 319.</td>
<td>Occasionally</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>490</td>
<td>Special Topics in Business Management</td>
<td>1-3 cr</td>
<td>None</td>
<td>Occasionally</td>
</tr>
</tbody>
</table>

UW-PARKSIDE 2017-19 CATALOG – 93
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
<th>Prerequisites</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>493</td>
<td>Competitive Decision Making</td>
<td>3 cr</td>
<td>MKT 350</td>
<td>Provides experiential learning in competitive decision making via on-line business simulation, performance analysis, results presentations, and class participation. Students will make a series of inter-related decisions about R&amp;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.</td>
</tr>
<tr>
<td>494</td>
<td>Internship in Business</td>
<td>1-3 cr</td>
<td>As provided in guidelines and policies available in business department; consent of instructor; department chair approval</td>
<td>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. Graded on a Credit/no-credit basis.</td>
</tr>
<tr>
<td>495</td>
<td>Strategic Management</td>
<td>3 cr</td>
<td>Senior standing; FIN 330, MKT 350, MGT 349</td>
<td>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.</td>
</tr>
<tr>
<td>499</td>
<td>Independent Study in Business Management</td>
<td>1-3 cr</td>
<td>Consent of instructor and department chair</td>
<td>Provides an opportunity to conduct research projects in an appropriate area of business. May be repeated for a maximum of six credits.</td>
</tr>
</tbody>
</table>

### Courses in Entrepreneurship (ENTR)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
<th>Prerequisites</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>250</td>
<td>Entrepreneurial Principles</td>
<td>3 cr</td>
<td>Sophomore standing; BUS 100 or other business course or concurrent registration</td>
<td>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.</td>
</tr>
<tr>
<td>350</td>
<td>Entrepreneurial Leadership</td>
<td>3 cr</td>
<td>Sophomore standing; BUS 100 or other business course; ENTR 250 or concurrent registration</td>
<td>Covers the theory and application of leadership principles to entrepreneurship, integrating a community-based service-learning project, guest speaker presentations, and on-site visits to new ventures and regional resource centers.</td>
</tr>
<tr>
<td>450</td>
<td>Entrepreneurial Projects</td>
<td>3 cr</td>
<td>ENTR 250</td>
<td>Applied project working with owners and managers of small businesses and non-profit organizations under faculty supervision through Solutions for Economic Growth (SEG) Center. All projects will employ the project management protocols developed through SEG.</td>
</tr>
</tbody>
</table>

### Courses in Finance (FIN)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
<th>Prerequisites</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>234</td>
<td>Personal Financial Planning</td>
<td>3 cr</td>
<td>Computational skills requirement or equivalent</td>
<td>Analysis of economic factors and personal decisions that affect the individual’s financial well-being; topics include financial planning, money management, investments, consumer borrowing, insurance, and retirement and estate planning. Cannot be used as a finance or general business concentration elective.</td>
</tr>
<tr>
<td>330</td>
<td>Managerial Finance</td>
<td>3 cr</td>
<td>ACCT 201, ECON 201, MATH 309, or QM 210, Junior standing, business major/minor</td>
<td>Introduces concepts and practices of managerial finance, time value of money, bond and stock valuation, financial statements, capital budgeting, and cost of capital.</td>
</tr>
<tr>
<td>335</td>
<td>Investments</td>
<td>3 cr</td>
<td>QM 310, FIN 330</td>
<td>Introduction to securities markets and various investment instruments; topics include organization and operation of global securities markets, risk and return analysis, asset allocation, and efficient markets.</td>
</tr>
<tr>
<td>336</td>
<td>Management of Financial Institutions</td>
<td>3 cr</td>
<td>QM 310, FIN 330 or concurrent registration</td>
<td>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.</td>
</tr>
</tbody>
</table>
431 Advanced Managerial Finance  3 cr
Prereq: QM 310, FIN 330. Freq: Fall.
In-depth analysis of topics in managerial finance, lease financing, capital structure and valuation, dividend policy, business expansion and contraction, and international finance

435 Security Analysis and Portfolio Management  3 cr
Prereq: FIN 335. Freq: Spring.
An advanced course in investments with an emphasis on developing skills for appraising the value of equities and fixed-income securities; a comprehensive financial markets trading simulation provides experience in the theory and practice of securities trading and portfolio management.

437 International Financial Management  3 cr
Prereq: FIN 330. Freq: Spring.
Acquaints students with 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

490 Special Topics in Finance  1-3 cr
Prereq: Dependent on subject matter. Freq: Occasionally.
Selected topics in finance. Subject varies; see current course schedule.

494 Internship in Finance  1-3 cr
Prereq: As provided in guidelines and policies available in Business Department; consent of instructor; department chair approval. Freq: Fall, Spring, Summer.
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.

499 Independent Study in Finance  1-3 cr
Prereq: As provided in guidelines and policies available in Business Department; consent of instructor; department chair approval. Freq: Fall, Spring, Summer.
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. Six hours credit maximum.

Courses in Human Resource Management (HRM)

343 Human Resource Management  3 cr
Prereq: Junior or senior standing. Freq: Fall, Spring, Summer.
Covers the major functions of a human resource management system; acquiring, developing, rewarding, and maintaining employees; emphasis on effective, ethical, and legal HR practices.

441 Staffing Organizations  3 cr
Prereq: HRM 343. Freq: Spring.
Advanced course on planning for recruiting, selecting and retaining an organization’s labor force, in the context of the staffing environment (e.g., laws and regulations) and using necessary tools (e.g., statistical measurement). SEG or CBL project component expected.

442 Improving Employee Performance  3 cr
Prereq: HRM 343, MGT 349. Freq: Fall.
Advanced course on managing employees to maximize job performance, including employee training and development, and performance management. A systems approach to design, implementation, and evaluation will be applied to the processes. SEG or CBL project component expected.

444 Compensation and Benefits  3 cr
Prereq: HRM 343. Freq: Fall.
Administration of direct and indirect compensation systems. Policies, procedures, and legislation relating to individual, group, and organizational base pay and incentives. Design, financing, and administration of benefit plans

490 Special Topics in Human Resource Management  1-3 cr
Prereq: Dependent on subject matter. Freq: Occasionally.
Selected topics in human resource management. Subject varies; see current course schedule.

494 Internship in Human Resource Management  1-3 cr
Prereq: As provided in guidelines and policies available in Business Department; consent of instructor; department chair approval. Freq: Fall, Spring, Summer.
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.
### Courses in Management (MGT)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>499</td>
<td>Independent Study in Human Resource Management</td>
<td>1-3 cr</td>
<td>Prereq: As provided in guidelines and policies available in Business Department; consent of instructor; department chair approval. Freq: Fall, Spring, Summer. 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.</td>
</tr>
<tr>
<td>349</td>
<td>Organizational Behavior</td>
<td>3 cr</td>
<td>Prereq: Junior or senior standing. Freq: Fall, Spring, Summer. 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.</td>
</tr>
<tr>
<td>446</td>
<td>Global Management</td>
<td>3 cr</td>
<td>Prereq: ECON 121. Freq: Fall. Explores global challenges and potential solutions for businesses and other organizations with international operations. Topics include 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.</td>
</tr>
<tr>
<td>447</td>
<td>Management Techniques</td>
<td>3 cr</td>
<td>Prereq: MGT 349. Freq: Occasionally. Development of the fundamental skills essential to effective management. Role-playing, experiential exercises, case analysis and applied projects provide opportunity for practice and application in areas including time management, problem solving, communication, influence, motivation, rewards, delegation, and conflict resolution.</td>
</tr>
<tr>
<td>490</td>
<td>Special Topics in Management</td>
<td>1-3 cr</td>
<td>Prereq: Dependent on subject matter. Freq: Occasionally. Selected topics in management. Subject varies; see current course schedule.</td>
</tr>
<tr>
<td>494</td>
<td>Internship in Management</td>
<td>1-3 cr</td>
<td>Prereq: As provided in guidelines and policies available in Business Department; consent of instructor; department chair approval. Freq: Fall, Spring, Summer. 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.</td>
</tr>
<tr>
<td>499</td>
<td>Independent Study in Management</td>
<td>1-3 cr</td>
<td>Prereq: As provided in guidelines and policies available in Business Department; consent of instructor; department chair approval. Freq: Fall, Spring, Summer. 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.</td>
</tr>
</tbody>
</table>

### Courses in Management Information Systems (MIS)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>220</td>
<td>Information Technology Foundations</td>
<td>3 cr</td>
<td>Prereq: MATH 111. Freq: Occasionally. Covers foundations in computer software, hardware, business applications, projects, and careers. Introduces project management and web page development including markup languages and style sheets.</td>
</tr>
<tr>
<td>221</td>
<td>Business Programming I – Visual Basic</td>
<td>3 cr</td>
<td>Prereq: MATH 111. Freq: Fall, Spring. Provides a conceptual and practice-oriented approach to define a business problem, design and test solution logic, implement and code the logic through sound structured programming techniques. Uses the Visual Basic programming language to develop programs that are robust and easy to maintain.</td>
</tr>
<tr>
<td>290</td>
<td>Special Topics in Management Information Systems</td>
<td>1-3 cr</td>
<td>Prereq: Dependent on subject matter. Freq: Occasionally. Selected topics in MIS; subject matter varies.</td>
</tr>
<tr>
<td>320</td>
<td>Management Information Systems</td>
<td>3 cr</td>
<td>Prereq: ACCT 201. Freq: Fall, Spring. Use of the computer as a problem-solving tool, as part of data processing systems, MIS and decision support systems; information systems planning and development; overview of database management, networking and web technologies; project management. This course may be offered online.</td>
</tr>
</tbody>
</table>
322 Business Programming II – C# 3 cr
Prereq: MIS 221. Freq: Fall.
Explores object-oriented programming using the C# programming language. Covers the basics of creating classes, encapsulation, constructors, error handling, polymorphism, and inheritance; includes writing programs using classes and relational databases.

327 IT Infrastructure 3 cr
Prereq: MATH 111; junior standing; business major or minor. Freq: Fall.
Introduces fundamental principles of computer networks, hardware, facilities and related equipment/processes used to support IT services. Includes physical, virtual, and cloud based servers and networks ranging from personal to global.

328 Database Management Systems 3 cr
Prereq: MIS 221. Freq: Fall.
Data modeling techniques including object-oriented modeling, database systems concepts, and use of structured query language for information processing, client/server architecture, distributed databases. This course may be offered online.

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.

424 Advanced Business Data Communications 3 cr
Prereq: MIS 327. Freq: Occasionally.
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. This course may be offered online.

425 Systems Analysis and Design 3 cr
Prereq: MIS 322, 328, PMGT 341 or concurrent registration; junior or senior standing; business major/minor. Freq: Spring.
Examines system development using the life cycle, rapid application development, prototyping, software acquisition, structured and object-oriented techniques, and project management. Includes techniques using software packages such as Electronic Health Records.

426 Field Project 3 cr
Prereq: Instructor consent. Freq: Occasionally.
Planning, analysis, development of solution for an organization; hands-on experience with executing all phases, including project management and documentation, of an actual project sponsored by an organization.

428 IS Planning and Project Management 3 cr
Prereq: MIS 425 or concurrent registration; junior or senior standing; business major or minor. Freq: Occasionally.
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.

429 e-Business 3 cr
Prereq: Junior or senior standing. Freq: Occasionally.
Overview of e-business including technologies, business-to-consumer (B2C) models, products and services; advertising; shopping cart systems; business-to-business (B2B) models; technologies and XML; strategy, e-business global issues, software agents, and societal implications of e-business. This course may be offered online.

490 Special Topics in Management Information Systems 1-3 cr
Prereq: Dependent on subject matter. Freq: Occasionally.
Selected topics in MIS. Subject varies; see current course schedule.

494 Internship in Management Information Systems 1-3 cr
Prereq: As provided in guidelines and policies available in Business Department; consent of instructor; department chair approval. Freq: Fall, Spring, Summer.
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.

499 Independent Study in Management Information Systems 1-3 cr
Prereq: As provided in guidelines and policies available in Business Department; consent of instructor; department chair approval. Freq: Fall, Spring, Summer.
Designed to provide qualified students with an opportunity to conduct research projects in an appropriate area of MIS under the supervision of a faculty member. Six hours credit maximum.
### Courses in Marketing (MKT)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>350</td>
<td>Marketing Principles</td>
<td>3 cr</td>
<td>Prereq: ECON 120. Freq: Fall, Spring, Summer. 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.</td>
</tr>
<tr>
<td>353</td>
<td>Internet Marketing</td>
<td>3 cr</td>
<td>Prereq: MKT 350. Freq: Summer. Emphasizes an understanding of digital marketing, social media, Internet marketing, consumer behavior, web analytics, search engine optimization, and advertising and creative strategy.</td>
</tr>
<tr>
<td>354</td>
<td>Marketing Research</td>
<td>3 cr</td>
<td>Prereq: MKT 350, QM 310; junior standing, business major/minor. Freq: Fall, Spring. Examines scientific procedures applicable to marketing research, including methodological considerations of defining information needs, determining research design, collecting/analyzing data, and report preparation.</td>
</tr>
<tr>
<td>355</td>
<td>Buyer Behavior</td>
<td>3 cr</td>
<td>Prereq: MKT 350; junior standing, business major/minor. Freq: Fall, Spring. 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.</td>
</tr>
<tr>
<td>356</td>
<td>Global Marketing</td>
<td>3 cr</td>
<td>Prereq: MKT 350. Freq: Spring. Examines managing the marketing function in the global context, including increasingly competitive international market dynamics and environmental factors.</td>
</tr>
<tr>
<td>357</td>
<td>Multicultural Marketing</td>
<td>3 cr</td>
<td>Prereq: MKT 350. Freq: Fall. (Meets Diversity Requirement.) Examines recent research and best practices in marketing to various ethnic and sexual orientation groups, examining both the largest &quot;traditional&quot; ethnic segments (Asian-American, African-American, and Hispanic-American) as well as the LGBTQ market and &quot;multi-cultural market&quot; in general to prepare students for marketing challenges in an increasingly dynamic market with rapidly changing tastes.</td>
</tr>
<tr>
<td>358</td>
<td>Promotions Management</td>
<td>3 cr</td>
<td>Prereq: MKT 350. Freq: Fall, Spring. Analyzes management of the firm’s promotional mix, including techniques and strategies in the use of advertising, personal selling, sales promotion, and public relations.</td>
</tr>
<tr>
<td>452</td>
<td>Product Management</td>
<td>3 cr</td>
<td>Prereq: MKT 350. Freq: Fall. A systematic approach to product planning, product development, and product management over time; examination of appropriate strategies for product review and monitoring via case analysis.</td>
</tr>
<tr>
<td>455</td>
<td>Marketing Management</td>
<td>3 cr</td>
<td>Prereq: MKT 350, 355, and 354 or consent of instructor. Freq: Spring, Summer. Marketing strategies and the strategic planning process in practical business situations. Case studies, or projects, and/or live problems of area organizations are conducted through the Solutions for Economic Growth (SEG) Center.</td>
</tr>
<tr>
<td>490</td>
<td>Special Topics in Marketing</td>
<td>1-3 cr</td>
<td>Prereq: Dependent on subject matter. Freq: Occasionally. Selected topics in marketing. Subject varies; see current course schedule.</td>
</tr>
<tr>
<td>494</td>
<td>Internship in Marketing</td>
<td>1-3 cr</td>
<td>Prereq: MKT 350, 355, and 354; and consent of instructor and department chair approval. Freq: Occasionally. Encourages students to apply theories learned in marketing courses to on-the-job learning situations. 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.</td>
</tr>
<tr>
<td>499</td>
<td>Independent Study in Marketing</td>
<td>1-3 cr</td>
<td>Prereq: MKT 350, 355, and 354; and consent of instructor and department chair approval. Freq: Occasionally. 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.</td>
</tr>
</tbody>
</table>

### Courses in Project Management (PMGT)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>341</td>
<td>Basics of Project Management</td>
<td>3 cr</td>
<td>Prereq: None. Freq: Fall, Summer. Covers Project Management Body of Knowledge (PMBOK) specified by Project Management Institute (PMI) in detail. Includes lifecycle, processes, integration, scope, time, cost, human resources, communication, risk and procurement.</td>
</tr>
</tbody>
</table>
342 Essential Personal Skills for Project Management 3 cr
Prereq: None. Freq: Fall, Summer.
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.

441 Advanced Project Management Tools and Techniques 3 cr
Prereq: PMGT 341. Freq: Spring.
Covers advanced tools and technologies 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.

442 Project Management Simulation 3 cr
Prereq: PMGT 341, 342. Freq: Spring.
Includes project scheduling, risk analysis, earned value, and teamwork. Applies project management skills to a simulated or live project, develop project justification and project plan, and execute the project plan and track performance.

Courses in Quantitative Methods (QM)

210 Business Statistics I 3 cr
Prereq: MATH 112. Freq: Fall, Spring, Summer.
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.

310 Business Statistics II 3 cr
Prereq: QM 210, MATH 112. Freq: Fall, Spring, Summer.
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.

319 Operations Management 3 cr
Prereq: QM 210, MATH 112. Freq: Fall, Spring, Summer.
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.

490 Special Topics in Statistics and Quantitative Methods 1-3 cr
Prereq: Dependent on subject matter. Freq: Occasionally.
Selected topics in statistics and quantitative methods. Subject varies; see current course schedule.

Courses in Retail Management (RMGT)

453 Retail Management 3 cr
Prereq: MGT 349, MKT 350. Freq: Fall.
Management practices specific to the retail industry relative to environment, strategy, location, customers, merchandise management (supply chain, pricing, IMC), store design, human resources, information systems, and laws and ethics.

454 Service Management 3 cr
Prereq: MGT 349, MKT 350. Freq: Spring.
Examines design and management of service businesses. Includes processes, technology, location, customer service, capacity and demand queues. Includes quantitative tools.

490 Special Topics in Retail Management 1-3 cr
Prereq: Varies by topic. Freq: Occasionally.
Selected topics in retail management. Subject varies; see current course schedule.

494 Internship in Retail Management 1-3 cr
Prereq: A provided in the guidelines and policies available in the Business Department; consent of instructor and department chair. Freq: Fall.
Applies theories learned in retail management courses to on-the-job learning situations. Students 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.

490 Special Topics in Statistics and Quantitative Methods 1-3 cr
Prereq: Dependent on subject matter. Freq: Occasionally.
Selected topics in statistics and quantitative methods. Subject varies; see current course schedule.
Courses in Selling (MKT)

458  Personal Selling  3 cr  
Prereq: MKT 350. Freq: Fall.  
Designed to gain an understanding of personal selling as a major function within the marketing and promotional mix of a firm. The course utilizes videotaped analysis of student-sales role plays to develop selling skills.

467  Selling of Financial Services  3 cr  
Prereq: MKT 458. Freq: Spring.  
Focuses on how financial institutions design and market their services and products through the personal selling function.

469  Advanced Personal Selling  3 cr  
Prereq: MKT 458. Freq: Spring.  
Examines concepts of strategic account management, customer relationship management, consultative selling, and customer problem diagnosis in a variety of situations.
CHEMISTRY
UW-PARKSIDE 2017-19 CATALOG
Molinaro 275 • 262-595-2316

College:
Natural and Health Sciences

Degree and Programs Offered:
Bachelor of Science
Major - Chemistry
Minors – Chemistry, Pre-Health Professions
Certificate - Green Chemistry

Major Concentrations – General Chemistry, Biochemistry, Industrial Chemistry, Pre-Health Professions, Professional Chemistry

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 biochemistry, chemistry, organic chemistry and physical chemistry with plans to have a new biochemist by fall 2017.

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 often to stay with their present employer. Hands-on work in modern, well-equipped laboratories is stressed and students are encouraged to participate in faculty-directed independent research projects. The chemistry major can be complemented by 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.
Program Goals and 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.

Preparation for Graduate School
Some graduate programs require that specific courses be taken for admission. Students considering graduate study should consult their adviser and the admissions office of the graduate program.

Requirements for the Chemistry Major (71-102 credits)
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.

A. Required Introductory Chemistry Courses (10 credits)
   CHEM 101 General Chemistry I   4 cr
   CHEM 102 General Chemistry II   4 cr
   CHEM 103 General Chemistry Lab I   1 cr
   CHEM 104 General Chemistry Lab II   1 cr

B. Required Chemistry Courses (22 credits)
   CHEM 206 Quantitative Analysis   4 cr
   CHEM 302 Physical Chemistry I   4 cr
   CHEM 321 Organic Chemistry I   4 cr
   CHEM 322 Organic Chemistry II   4 cr
   CHEM 323 Organic Chemistry Laboratory   3 cr
   CHEM 324 Chemistry of Biological Systems   3 cr
   Students may substitute CHEM 113, 114 and 208 for 101, 102, 103, 104 and 206.

C. Required Courses in Mathematics (10 credits)
   MATH 221 Calculus and Analytic Geometry I   5 cr
   MATH 222 Calculus and Analytic Geometry II   5 cr

D. Capstone Requirement (1 credit)
   Choose one:
   CHEM 495 Senior Seminar   1 cr
   CHEM 497 Senior Thesis   1 cr

E. Concentration Required (28-59 credits)
   Choose one:
   1. General Chemistry Concentration (28 credits)
      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.
a. Required Chemistry Courses (15 credits)
   CHEM 230 Introduction to Green Chemistry 2 cr
   CHEM 303 Physical Chemistry II 3 cr
   CHEM 304 Physical Chemistry Laboratory I 2 cr
   CHEM 308 Biochemistry Laboratory 2 cr
   CHEM 310 Inorganic Chemistry 3 cr
   CHEM 400 Instrumental Analysis Laboratory 3 cr

b. Elective Chemistry Course (3 credits)
   Choose one:
   CHEM 306 Chemical Instrumentation 3 cr
   CHEM 402 Advanced Organic Chemistry 3 cr
   CHEM 410 Advanced Biochemistry 3 cr

c. Required Physics Courses (10 credits)
   PHYS 201 General Physics I 5 cr
   PHYS 202 General Physics II 5 cr

2. Pre-Health Professions Concentration (59 credits)
   [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.

a. Essential Health Professions Preparatory Courses (15 credits)
   ECON 120 Principles of Microeconomics 3 cr
   ENGL 167 Introduction to Literature 3 cr
   PSYC 101 Introduction to Psychological Science 3 cr
   SOCA 101 Introduction to Sociology 3 cr
   SPCH 105 Public Speaking 3 cr

b. Required Biological Sciences Courses (23 credits)
   BIOS 101 Bioscience 4 cr
   BIOS 102 Organismal Biology 4 cr
   BIOS 210 Biostatistics 4 cr
   BIOS 260 General Genetics 4 cr
   BIOS 303 Microbiology 4 cr
   BIOS 341 Mammalian Physiology 3 cr

c. Required Chemistry Courses (11 credits)
   CHEM 303 Physical Chemistry II 3 cr
   CHEM 304 Physical Chemistry Laboratory I 2 cr
   CHEM 307/
   BIOS 307 Biochemical Metabolism 3 cr
   CHEM 400 Instrumental Analysis Laboratory 3 cr

d. Required Physics Courses (10 credits)
   PHYS 201 General Physics I 5 cr
   PHYS 202 General Physics II 5 cr

3. Biochemistry Concentration (49 credits)
   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.

a. Required Biological Sciences Courses (19 credits)
   BIOS 101 Bioscience 4 cr
   BIOS 102 Organismal Biology 4 cr
4. Industrial Chemistry Concentration (50 credits)

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.

a. Required Business and Economics Courses (27 credits)
   - ACCT 201 Financial Accounting 3 cr
   - ACCT 202 Managerial Accounting 3 cr
   - ECON 120 Principles of Microeconomics 3 cr
   - ECON 121 Principles of Macroeconomics 3 cr
   - FIN 330 Managerial Finance 3 cr
   - MGT 349 Organizational Behavior 3 cr
   - MKT 350 Marketing Principles 3 cr
   - QM 210 Business Statistics I 3 cr
   - Elective in management and/or marketing 3 cr

b. Required Chemistry Courses (10 credits)
   - CHEM 155 Industrial Chemistry Seminar 1 cr
   - CHEM 230 Introduction to Green Chemistry 2 cr
   - CHEM 310 Inorganic Chemistry 3 cr
   - CHEM 355 Survey of Industrial Chemistry 3 cr
   - CHEM 494 Internship in Chemistry 1 cr

c. In-Depth Elective Chemistry Course (3 Credits)
   - Choose one:
     - CHEM 303 Physical Chemistry II 3 cr
     - CHEM 306 Chemical Instrumentation 3 cr
     - CHEM 402 Advanced Organic Chemistry 3 cr

d. Required Physics Courses (10 credits)
   - PHYS 105 College Physics I 5 cr
   - PHYS 106 College Physics II 5 cr
   - Students may use PHYS 201 and PHYS 202 in place of PHYS 105 and PHYS 106
5. **Professional Chemistry Concentration (29 credits)**

   **[ACS Approved]**

   This concentration is geared towards students seeking careers in research and development outside of the field of biochemistry. 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.

   a. **Required Chemistry Courses (16 credits)**
      
      | Course Code | Course Title                  | Credits |
      |-------------|--------------------------------|---------|
      | CHEM 303    | Physical Chemistry II         | 3 cr    |
      | CHEM 304    | Physical Chemistry Laboratory I | 2 cr    |
      | CHEM 308    | Biochemistry Laboratory       | 2 cr    |
      | CHEM 310    | Inorganic Chemistry           | 3 cr    |
      | CHEM 400    | Instrumental Analysis Laboratory | 3 cr    |
      | CHEM 401    | Advanced Organic Laboratory   | 3 cr    |

   b. **Elective Chemistry Course (3 credits)**
      
      Choose one:
      
      | Course Code | Course Title                  | Credits |
      |-------------|--------------------------------|---------|
      | CHEM 306    | Chemical Instrumentation       | 3 cr    |
      | CHEM 402    | Advanced Organic Chemistry     | 3 cr    |
      | CHEM 410    | Advanced Biochemistry          | 3 cr    |

   c. **Required Physics Courses (10 credits)**
      
      | Course Code | Course Title                  | Credits |
      |-------------|--------------------------------|---------|
      | PHYS 201    | General Physics I              | 5 cr    |
      | PHYS 202    | General Physics II             | 5 cr    |

### 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) 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.

### Chemistry Minors

The chemistry program offers two distinct minors. The general minor is designed to complement other majors in the natural and life sciences whose graduates seek entry level scientist positions or those planning to continue in laboratory based graduate programs. The pre-health professions minor is aimed at students, majoring in other disciplines, who desire a career in health related professions. For either minor, students must attain a GPA of at least 2.00 in all the required courses.

### Requirements for the General Chemistry Minor (25 credits)

**Required courses:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 101</td>
<td>General Chemistry I</td>
<td>4 cr</td>
</tr>
<tr>
<td>CHEM 102</td>
<td>General Chemistry II</td>
<td>4 cr</td>
</tr>
<tr>
<td>CHEM 103</td>
<td>General Chemistry Lab I</td>
<td>1 cr</td>
</tr>
<tr>
<td>CHEM 104</td>
<td>General Chemistry Lab II</td>
<td>1 cr</td>
</tr>
<tr>
<td>CHEM 206</td>
<td>Quantitative Chemical Analysis</td>
<td>4 cr</td>
</tr>
<tr>
<td>CHEM 321</td>
<td>Organic Chemistry I</td>
<td>4 cr</td>
</tr>
<tr>
<td>CHEM 322</td>
<td>Organic Chemistry II</td>
<td>4 cr</td>
</tr>
<tr>
<td>CHEM 323</td>
<td>Organic Chemistry Laboratory</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

Students may substitute CHEM 113, 114 and 208 for 101, 102, 103, 104 and 206 (23 credits).
Requirements for the Pre-Health Professions Minor
(24 credits)
[Premed/Pharmacy]

Required courses:
- CHEM 101 General Chemistry I 4 cr
- CHEM 102 General Chemistry II 4 cr
- CHEM 103 General Chemistry Lab I 1 cr
- CHEM 104 General Chemistry Lab II 1 cr
- CHEM 321 Organic Chemistry I 4 cr
- CHEM 322 Organic Chemistry II 4 cr
- CHEM 323 Organic Chemistry Laboratory 3 cr
- CHEM 324 Chemistry of Biological Systems 3 cr

Requirements for the Green Chemistry Certificate
(12-23 credits)
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.

Choose one option:
A. Option One (18-23 credits)
   1. Required Courses (16 credits)
      - CHEM 101 General Chemistry I 4 cr
      - CHEM 102 General Chemistry II 4 cr
      - CHEM 103 General Chemistry Lab I 1 cr
      - CHEM 104 General Chemistry Lab II 1 cr
      - CHEM 230 Introduction to Green Chemistry 2 cr
      - CHEM 321 Organic Chemistry I 4 cr
   2. Elective Course(s) (2 or 7 credits)
      - CHEM 231 Green Chemistry Laboratory 2 cr
      OR
      - CHEM 322 Organic Chemistry II 4 cr
      AND
      - CHEM 323 Organic Chemistry Laboratory 3 cr

B. Option Two (12 credits)
   Required Courses (12 Credits)
   - CHEM 115 Chemical Science 4 cr
   - CHEM 215 Organic and Biochemistry 4 cr
   - CHEM 230 Introduction to Green Chemistry 2 cr
   - CHEM 231 Green Chemistry Laboratory 2 cr

Teacher Education Licensure in Chemistry
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 the
Chemistry Department and the Institute of Professional Educator Development (IPED).

The requirements for teacher licensure are specific and therefore students must meet with the IPED Adviser
to coordinate the major and teacher education curriculum. It is very important to contact the IPED adviser at
262-595-2180 or Molinaro D111 as soon as possible. Students are required to seek advising each semester
from both the IPED Adviser and the Chemistry 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
Courses in Chemistry (CHEM)

090 Preparation for College Chemistry 2 cr
Prereq: None. Freq: Occasionally.
An introduction to the basic principles of chemistry, chemical calculations, units of measurement, nomenclature, and other basic concepts. Credit does not count toward graduation. Graded on credit/no-credit basis. Two-hour lecture.

100 The World of Chemistry 3 cr
Prereq: None. Freq: Fall, Spring, Summer.
An introduction to the basic principles of chemistry including the composition of matter, measurement, nomenclature, calculations and reactions. Discussion of current issues in science and technology and application of basic chemical principles to everyday life. Intended for non-science majors and as a preparatory course for science or nursing majors not placed into CHEM 101, 113 or 115. Three-hour lecture.

101 General Chemistry I 4 cr
Prereq: MATH 111 or concurrent enrollment, or CHEM 100 with a grade of C or better, and CHEM 103 concurrent enrollment. Freq: Fall, Spring.
Introduces fundamental principles of chemistry including atomic theory, periodic properties, energy, stoichiometry, nomenclature, bonding, and aqueous solution chemistry. Four-hour lecture.

102 General Chemistry II 4 cr
Prereq: CHEM 101, 103, CHEM 104 concurrent enrollment. Freq: Fall, Spring, Summer
Covers fundamental principles of chemistry for science majors including topics in intermolecular forces and molecular properties, kinetics, thermodynamics, chemical equilibrium and nuclear chemistry. Four-hour lecture.

103 General Chemistry Lab I 1 cr
Prereq: CHEM 101 concurrent enrollment. Freq: Fall, Spring
First semester lab sequence in general chemistry. Students explore atomic and molecular properties, classification schemes for chemical reactions, aqueous solution chemistry, and calorimetry. Three-hour lab; Lab Fees.

104 General Chemistry Lab II 1 cr
Prereq: CHEM 103, CHEM 102 concurrent enrollment. Freq: Fall, Spring, Summer
Second semester lab sequence in general chemistry. Students explore molecular modeling, kinetics, chemical equilibrium, acid-base chemistry, qualitative analysis through solubility and some quantitative analysis. Three-hour Lab. Lab Fees.

109 Environmental Chemistry 3 cr
Prereq: None. Freq: Occasionally.
Designed for non-science majors. An investigation of contemporary issues including energy and the environment. Intended to introduce fundamental chemical principles and the scientific method of inquiry. May be applied to the environmental studies minor. Three-hour lecture.

113 Chemical Principles I 5 cr
Prereq: Two years of high school chemistry, MATH 111 and consent of instructor. Freq: Occasionally.
Intended primarily for students who plan to major in chemistry. Also for well-prepared students in other programs who are seeking a more in-depth introduction to modern chemistry than that offered in CHEM 101. Lectures cover the fundamental principles of chemistry starting with chemical bonding. Laboratory work includes chemical instrumentation and computer-aided data acquisition and analysis. Three-hour lecture; one-hour discussion; three-hour lab.

114 Chemical Principles II 5 cr
Prereq: CHEM 113 or consent of instructor. Freq: Occasionally.
A continuation of CHEM 113 providing students with a strong foundation for upper-level chemistry courses. The laboratory complements the lecture material and continues the use of modern chemical instrumentation. Three-hour lecture; one-hour discussion; three-hour lab.

115 Chemical Science 4 cr
Prereq: UW-Milwaukee math proficiency or UW-Parkside MATH 111. Freq: Fall.
Examines the fundamental principles of chemistry including the atomic nature of matter, chemical reactions, gases, solutions, acids and bases, and nuclear chemistry. Required for nursing students. Not open to students with credit in CHEM 102 or 114. May not be applied to the chemistry major. Three-hour lecture; three-hour lab. Lab fee.

155 Industrial Chemistry Seminar 1 cr
Prereq: CHEM 100 or concurrent enrollment in CHEM 101; or consent of instructor. Freq: Fall, Spring
Introduces students to the technical disciplines of chemistry, fish applied fields, and various career options. Emphasizes the importance of discovery and creative thinking in advancing science. Guest speakers and tours of area business are anticipated.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites</th>
<th>Frequency</th>
</tr>
</thead>
<tbody>
<tr>
<td>206</td>
<td>Quantitative Chemical Analysis</td>
<td>4 cr</td>
<td>C or better in CHEM 102 and CHEM 104 or consent of instructor</td>
<td>Fall</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Examines extraction techniques, sample preparation and statistical analysis. Applies chemical kinetics and equilibrium to the analysis of complex mixtures using acid-base, complexation, precipitation, oxidation-reduction and electrochemical methods. Covers chemical instrumentation and data processing, theory and use of various chromatographic and spectroscopic methods. Two-hour lecture, one-hour discussion, four-hour lab. Lab fee.</td>
<td></td>
</tr>
<tr>
<td>208</td>
<td>Contemporary Chemical Analysis</td>
<td>2 cr</td>
<td>C or better in CHEM 114.</td>
<td>Occasionally</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>An overview of chemical instrumentation, data processing and manipulation. Detailed presentation of various types of chromatography, the van Deemter equation, resolution and recent developments. Atomic and molecular spectroscopic methods, Beer’s law and qualitative and quantitative applications. Laboratory experiments have both investigative and quantitative components. One-hour lecture; three-hour lab.</td>
<td></td>
</tr>
<tr>
<td>209</td>
<td>Environmental Analysis Laboratory</td>
<td>2 cr</td>
<td>CHEM 109 or concurrent enrollment or consent of instructor</td>
<td>Occasionally</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Provides an introduction to analytical techniques commonly employed with environmental samples. Topics include regulatory limits, proper reporting of analytical results, and validation techniques. Hands-on experience analyzing air, water and soil samples for easy and difficult to analyze components. Four-hour lab.</td>
<td></td>
</tr>
<tr>
<td>215</td>
<td>Organic and Biochemistry</td>
<td>4 cr</td>
<td>CHEM 102 and CHEM 104 or 114 or 115.</td>
<td>Spring</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>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. Three-hour lecture, two-hour lab. Lab fee.</td>
<td></td>
</tr>
<tr>
<td>230</td>
<td>Introduction to Green Chemistry</td>
<td>2 cr</td>
<td>CHEM 215 or CHEM 321 or concurrent registration in CHEM 321 or consent of instructor</td>
<td>Occasionally</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>231</td>
<td>Green Chemistry Laboratory</td>
<td>2 cr</td>
<td>CHEM 215 or CHEM 321 or concurrent registration in CHEM 321 or consent of instructor</td>
<td>Occasionally</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Illustrates the principles of green chemistry and their application to contemporary problems through laboratory experiments. Four-hour lab. Lab Fee.</td>
<td></td>
</tr>
<tr>
<td>290</td>
<td>Special Topics</td>
<td>1-4 cr</td>
<td>Consent of instructor.</td>
<td>Occasionally</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Selected topics in chemistry.</td>
<td></td>
</tr>
<tr>
<td>302</td>
<td>Physical Chemistry I</td>
<td>4 cr</td>
<td>C or better in CHEM 206 or 208 and in MATH 221 and PHYS 202 or consent of instructor</td>
<td>Fall</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>A study of thermodynamics and chemical kinetics. Laboratory utilizes spreadsheets and higher level programming for numerical analysis. Three-hour lecture; three-hour lab.</td>
<td></td>
</tr>
<tr>
<td>303</td>
<td>Physical Chemistry II</td>
<td>3 cr</td>
<td>CHEM 302.</td>
<td>Spring</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Covers statistical mechanics, quantum mechanics and spectroscopy. Three-hour lecture.</td>
<td></td>
</tr>
<tr>
<td>304</td>
<td>Physical Chemistry Laboratory I</td>
<td>2 cr</td>
<td>CHEM 302, PHYS 202: or consent of instructor.</td>
<td>Spring</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Focuses on macroscopic phenomena including physical properties of matter, kinetics, and thermodynamics. Four-hour lab. Lab fee.</td>
<td></td>
</tr>
<tr>
<td>305</td>
<td>Physical Chemistry Laboratory II</td>
<td>2 cr</td>
<td>CHEM 303 concurrent registration or consent of instructor</td>
<td>Occasionally</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Theory and practice of spectroscopy; a wide range of spectroscopic techniques is examined. One-hour lecture; three-hour lab.</td>
<td></td>
</tr>
<tr>
<td>306</td>
<td>Chemical Instrumentation</td>
<td>3 cr</td>
<td>C or better in CHEM 206 or 208 and completion of PHYS 202 and CHEM 323 or consent of instructor.</td>
<td>Fall (even years)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Study of the construction and principles of operation of modern instruments and their use in the chemistry laboratory. Three-hour lecture.</td>
<td></td>
</tr>
<tr>
<td>307</td>
<td>Biochemical Metabolism</td>
<td>3 cr</td>
<td>CHEM 322 or consent of instructor.</td>
<td>Fall</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>A study of the chemistry of biological systems, with emphasis on metabolism and macromolecular biosynthesis. Three-hour lecture. Cross-listed with BIOS 307.</td>
<td></td>
</tr>
</tbody>
</table>
308 Biochemistry Laboratory 2 cr
Prereq: CHEM 322 and consent of instructor. Freq: Fall, Spring. 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. Lab fee.

310 Inorganic Chemistry 3 cr
Prereq: CHEM 303 or concurrent registration. Freq: Spring (odd years). Descriptive and synthetic inorganic chemistry with emphasis on chemical periodicity, coordination compounds, and inorganic reaction mechanisms. Three-hour lecture.

321 Organic Chemistry I 4 cr
Prereq: CHEM 102 and CHEM 104; or 114. Freq: Fall, Spring. Studies aliphatic and aromatic compounds with emphasis on structure, reaction mechanisms, and synthesis. Introduces spectroscopy. Three-hour lecture; one-hour discussion.

322 Organic Chemistry II 4 cr

323 Organic Chemistry Laboratory 3 cr
Prereq: CHEM 322 or concurrent registration or consent of instructor. Freq: Fall, Spring, Summer. An introduction to the methodology, techniques, and procedures of organic chemistry, including an introduction to the principles of green chemistry, the use of chemical literature, and laboratory record keeping. Emphasizes the synthesis and spectroscopic characterization of organic compounds. Six-hour lab. Lab fee.

324 Chemistry of Biological Systems 3 cr

355 Survey of Industrial Chemistry 3 cr
Prereq CHEM 230 and CHEM 322 Freq: Spring 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.

390 Special Topics in Chemistry 1-3 cr
Prereq: None. Freq: Occasionally. Selected topics in chemistry.

398 Independent Study: Literature and/or Computational Research 1-3 cr
Prereq: Consent of instructor and department chair. Freq: Fall, Spring, Summer. 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.

400 Instrumental Analysis Laboratory 3 cr
Prereq: C or better in CHEM 206 or 208 or consent of instructor. Freq: Spring. Experiments in trace analysis utilizing electrochemical and optical methods as well as gas and liquid chromatography. Six-hour lab. Lab fee.

401 Advanced Organic Laboratory 3 cr
Prereq: C or better in CHEM 322 and 323. Freq: Fall. 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.

402 Advanced Organic Chemistry 3 cr
Prereq: C or better in CHEM 322. Freq: Fall (odd years). Selected topics in mechanistic, theoretical, heterocyclic, and physical organic chemistry. Three-hour lecture.

410 Advanced Biochemistry 3 cr
Prereq: CHEM/BIOS 307 or CHEM 324 or consent of instructor. Freq: Spring (even years). Explores advanced topics in biochemistry including thermodynamics, protein structure, and enzyme kinetics and mechanisms. Three-hour lecture.

490 Special Topics in Chemistry 1-3 cr
Prereq: Consent of instructor. Freq: Occasionally. Selected topics in chemistry.
494 Internship in Chemistry 1-3 cr
Prereq: Completion of CHEM 206 or 208 or 323, GPA of 2.5 or higher and consent of instructor. Freq: Fall, Spring, Summer.
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 credit/no-credit basis. May repeat for up to 6 credits.

495 Senior Seminar 1 cr
Prereq: Junior or senior standing. Freq: Spring.
Research and presentation of selected topics from chemical literature. One-hour discussion.

497 Senior Thesis 1 cr
Prereq: Senior standing, chemistry major and consent of instructor. Freq: Fall, Spring.
Thesis based on experimental work.

499 Independent Study 1-3 cr
Prereq: Consent of instructor and department chair. Lab fee: $100. Freq: Fall, Spring, Summer.
Individual projects of an experimental or theoretical nature conducted under the direct supervision and guidance of a staff member. Usually graded on credit/no-credit basis and not applied to GPA. Lab Fee

Graduate Courses

620 Advanced Biochemistry 3 cr
Prereq: CHEM/BIOS 307 or CHEM 324 or consent of instructor. Freq: Spring (even years).
Explores advanced topics in biochemistry including thermodynamics, protein structure, and enzyme kinetics and mechanisms. Three-hour lecture. Not open to students with credit in CHEM 410.
Communication

UW-Parkside 2017-19 Catalog
Rita/Cart 265 • 262-595-2331

College:
Arts and Humanities

Degree and Programs Offered:
Bachelor of Arts

Major – Communication

Minors – Communication, Health Communication, Organizational Communication, Public Relations

Certificates – Conflict Analysis and Resolution, Digital and Media Literacy, Health Communication

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 for non-majors: communication (18 credits), health communication (20-26 credits), organizational communication (18 credits), and public relations (18 credits). There are also three certificate programs that are open to all students, including communication majors and minors: the conflict analysis & resolution certificate (12 credits), the 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 may be counted toward the major. An internship may be repeated for a maximum of 6 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.

Requirements for Admission to the Communication Major
Students must submit a plan declaration form to the communication department office or the advising and career center. To be accepted as a communication major, a student must have a 2.25 cumulative GPA. Students who do not meet the GPA requirement will be assigned pending major status. Accepted and pending majors will be assigned a faculty advisor from the Communication Department.
Requirements for the Communication Major (48 credits)

Students admitted to the major should plan to complete the 100- and 200-level requirements in communication (including required course work in other departments) before taking upper-level courses. These courses 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. At least 15 credits of upper-level courses in the major must be completed at UW-Parkside. The communication major must also have a minimum 2.25 cumulative GPA in order to enroll in COMM 495 Senior Seminar, the department’s capstone course. 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 advisers 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.

A. Required Core Courses (24 credits)
   - SPCH 105 Public Speaking 3 cr
   - OR
   - COMM 205 Oral Interpretation 3 cr
   - COMM 107 Communication and the Human Condition 3 cr
     (must earn a grade of C or better for credit toward the major)
   - COMM 108 Media and Society 3 cr
     (must earn a grade of C or better for credit toward the major)
   - COMM 207 Introduction to the Communication Discipline Part I 3 cr
   - COMM 208 Introduction to the Communication Discipline Part II 3 cr
   - COMM 295 Sophomore Seminar 3 cr
   - ART 104 Introduction to Digital Art 3 cr
   - ENGL 201 Advanced Composition 3 cr
   - OR
   - COMM 255 Writing for Multimedia 3 cr

B. Communication Elective Courses (15 credits)
   1. Any level COMM course 3 cr
   2. 300-level COMM courses 9 cr
   3. 400-level COMM course 3 cr

C. General Elective Courses Outside Communication Department at the 300- or 400-level (6 credits)
   Courses to be selected in consultation with adviser

D. Required Capstone Course (3 credits)
   - COMM 495 Senior Seminar 3 cr

Requirements for the Communication Minor (18 credits)

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.

A. Required Core Courses (6 credits)
   - COMM 107 Communication and the Human Condition 3 cr
   - COMM 108 Media and Society 3 cr

B. Elective Courses (12 credits)
   1. Any level COMM course 3 cr
   2. 300- or 400-level COMM courses 9 cr
   These credits must be approved by a departmental adviser to ensure an appropriate and timely sequence of courses.
# Requirements for the Health Communication Minor (20-26 credits)

The minor in health communication is intended for students who are interested in careers in a healthcare field that involve regular interactions with patients and clients. The health communication minor is designed to be flexible to meet the needs of students who want to work in a communication-oriented career in health such as community relations, patient advocacy, or medical assistant, or for students who want to work in a healthcare provider area such as physician, nurse, or nursing assistant.

### A. Required Courses (7 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 107</td>
<td>Communication &amp; The Human Condition</td>
<td>3 cr</td>
</tr>
<tr>
<td>COMM 340</td>
<td>Health Communication*</td>
<td>3 cr</td>
</tr>
<tr>
<td>COMM 493</td>
<td>Capstone in Health Communication*</td>
<td>1 cr</td>
</tr>
</tbody>
</table>

### B. Elective Courses (13 credits minimum required)

1. **Healthcare Systems Course (2-3 credits)**
   
   Choose one course:
   
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AHS 101</td>
<td>Introduction to Applied Health Science</td>
<td>3 cr</td>
</tr>
<tr>
<td>HESM 365</td>
<td>Personal, School, and Community Health</td>
<td>2 cr</td>
</tr>
<tr>
<td>NURS 102</td>
<td>Perspectives on Health Care Systems</td>
<td>2 cr</td>
</tr>
</tbody>
</table>

2. **Biological Sciences Elective (3-5 credits)**
   
   Choose one course:
   
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOS 101</td>
<td>Bioscience*</td>
<td>4 cr</td>
</tr>
<tr>
<td>BIOS 103</td>
<td>Human Biology</td>
<td>3 cr</td>
</tr>
<tr>
<td>BIOS 105</td>
<td>Human Physiology and Anatomy I</td>
<td>5 cr</td>
</tr>
</tbody>
</table>

3. **Chemistry Elective (3-5 credits)**
   
   Choose one:
   
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 100</td>
<td>World of Chemistry</td>
<td>3 cr</td>
</tr>
<tr>
<td>CHEM 101</td>
<td>General Chemistry I*</td>
<td>4 cr</td>
</tr>
<tr>
<td>/CHEM 103</td>
<td>General Chemistry Lab I*</td>
<td>1 cr</td>
</tr>
<tr>
<td>CHEM 115</td>
<td>Chemical Science*</td>
<td>4 cr</td>
</tr>
</tbody>
</table>

4. **Advanced Message Design Elective (3 credits)**
   
   Choose one course:
   
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 322</td>
<td>Public Relations Concepts &amp; Practices*</td>
<td>3 cr</td>
</tr>
<tr>
<td>COMM 350</td>
<td>Digital Storytelling*</td>
<td>3 cr</td>
</tr>
<tr>
<td>COMM 435</td>
<td>Integrated Marketing Communication*</td>
<td>3 cr</td>
</tr>
<tr>
<td>ENGL 402</td>
<td>Advanced Technical Writing*</td>
<td>3 cr</td>
</tr>
<tr>
<td>ENGL 404</td>
<td>Non-Fiction Writing*</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

5. **Diverse Human Systems Elective (2-3 credits)**
   
   Choose one course:
   
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 303</td>
<td>Organizational Communication*</td>
<td>3 cr</td>
</tr>
<tr>
<td>COMM 365</td>
<td>Intercultural Communication*</td>
<td>3 cr</td>
</tr>
<tr>
<td>HIMT 320</td>
<td>Survey of Information Technology in Healthcare (special tuition required)</td>
<td>3 cr</td>
</tr>
<tr>
<td>PSYC 101</td>
<td>Introduction to Psychological Science*</td>
<td>3 cr</td>
</tr>
<tr>
<td>PSYC 363</td>
<td>Health Psychology*</td>
<td>3 cr</td>
</tr>
<tr>
<td>SOCA 376</td>
<td>Public Health*</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

* indicates courses with prerequisite requirements
Requirements for the Organizational Communication Minor (18 credits)

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.

A. Required Lower-level Courses (9 credits)
   1. Required Course (3 credits)
      COMM 107 Communication and the Human Condition 3 cr
   2. Choose One Course (3 credits)
      COMM 202 Group Communication 3 cr
      COMM 285 Introduction to Conflict Analysis and Resolution 3 cr
   3. Choose One Course (3 credits)
      COMM 255 Writing for Multimedia 3 cr
      ENGL 168 Introduction to Professional Writing 3 cr
      ENGL 204 Writing for Business and Industry 3 cr

B. Required Upper-level Courses (9 credits)
   1. Required Course (3 credits)
      COMM 303 Organizational Communication 3 cr
   2. Choose One Course (3 credits)
      COMM 480 Practicum in Organizational Communication 3 cr
      COMM 494 Communication Internship 3 cr
   3. Choose One Course (3 credits)
      COMM 315 Communication and Gender 3 cr
      COMM 322 Public Relations Concepts and Practices 3 cr
      COMM 363 Communication and Ethnicity 3 cr
      COMM 365 Intercultural Communication 3 cr
      COMM 390 Special Topics in Communication (topic approval required) 3 cr
      COMM 490 Special Topics in Communication (topic approval required) 3 cr
      HRM 343 Human Resource Management 3 cr
      HRM 442 Improving Employee Performance 3 cr

Requirements for the Public Relations Minor (18 credits)

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.

A. Required Courses (12 credits)
   COMM 108 Media and Society 3 cr
   COMM 207 Intro to Communication Discipline Part I 3 cr
   COMM 208 Intro to Communication Discipline Part II 3 cr
   COMM 322 Public Relations Concepts and Practices 3 cr
B. Elective courses (6 credits)

1. Writing Course (3 credits)
   Choose one course:
   - COMM 255 Writing for Multimedia 3 cr
   - ENGL 168 Introduction to Professional Writing 3 cr
   - ENGL 204 Writing for Business and Industry 3 cr

2. Practicum (3 credits)
   Choose one course:
   - COMM 480 Practicum in Organizational Communication 3 cr
   - COMM 494 Communication Internship 3 cr
   - ENGL 494 Internship in Writing and Editing 3 cr
   (with prior approval from PR advisor)

Requirements for the Conflict Analysis and Resolution Certificate (12 credits)

This certificate prepares students to be professional conflict mediators. Students learn, through course work and field experiences, how to analyze and respond to conflicts at multiple levels – interpersonal, organizational, cultural, and international. This certificate is recommended for those moving into positions as counselors, teachers, managers, mediators, and community leaders. To complete the program, the student must earn a grade of C or better in the required course work.

A. Required Courses (9 credits)
   The three core courses provide training in several areas of conflict transformation: conflict analysis and assessment, dispute mediation, dialogue facilitation, and conflict intervention. The courses must be taken in sequence. All three courses are required for completion of the certificate.

   - COMM 285 Introduction to Conflict Analysis and Resolution 3 cr
   - COMM 385 Conflict Mediation 3 cr
   - COMM 485 Practicum in Conflict Intervention 3 cr

B. Elective Course (3 credits)
   The purpose of the elective course is to help the student place his/her understanding of conflict in a broader social context. Therefore, the elective course must be from outside the student's major. After consulting with the program adviser, the student is to take one of the following courses:

   - COMM 363/ETHN 363 Communication and Ethnicity 3 cr
   - COMM 370 Communication and Social Movements 3 cr
   - COMM 490 Special Topics in Communication (topic approval required) 3 cr
   - HIST 260 International Conflict 3 cr
   - PHIL 215 Contemporary Moral Problems 3 cr
   - PHIL 220 Politics, Law and Society 3 cr
   - PHIL 320 Value Theory 3 cr
   - POLS 341 International Conflict and Cooperation 3 cr
   - SOCA 233 Criminology 3 cr
   - SOCA 234 Juvenile Delinquency/Juvenile Justice 3 cr
   - SOCA 323 Institutional Racism in America 3 cr
   - SOCA 331 Deviant Behavior 3 cr
   - SOCA 354 Class, Status, and Power 3 cr
   - SOCA 356 Political Sociology 3 cr
Requirements for the Digital and Media Literacy Certificate (16 credits)

This certificate provides critical tools and what Michael Wesch calls “knowledge-ability” for accessing, analyzing, interpreting, critically questioning, and creating a range of media texts. The interdisciplinary certificate is designed to enhance workplace and community-based participation for citizens and those involved in some capacity in the digital media industry. All courses provide students with experiences in the use and production of multimedia forms of communication that simultaneously support real-world problem solving and social justice/democratic principles. Implications of new technologies on identity construction and human communication are included. Students will develop an e-portfolio incrementally throughout the curriculum to showcase the production work completed in each class.

A. Required Courses (9 credits)
   COMM 108 Media and Society 3 cr
   COMM 368 Children and the Media 3 cr
   COMM 463 Gender, Race, Class and Sexualities in Media 3 cr

B. Elective Courses (6 credits)
   Choose two courses:
   COMM 360 Contemporary Media Industries 3 cr
   COMM 366 Communication and Popular Music 3 cr
   COMM 390 Special Topics in Communication (topic approval required) 3 cr
   COMM 430 Digital and Social Media Communication 3 cr
   COMM 435 Integrated Marketing Communication 3 cr
   COMM 490 Special Topics in Communication (topic approval required) 3 cr
   COMM 494 Communication Internship (approval required) 3 cr

C. Final Project Course (1 credit)
   COMM 468 Digital and Media Literacy Project 1 cr

Requirements for the Health Communication Certificate (15-20 credits)

A. Required courses (7 credits)
   COMM 107 Communication & The Human Condition 3 cr
   COMM 340 Health Communication* 3 cr
   COMM 493 Capstone in Health Communication* 1 cr

B. Elective courses (8-13 credits)
   1. Healthcare Systems (2-3 credits)
      Choose one course:
      AHS 101 Introduction to Applied Health Science 3 cr
      HESM 365 Personal, School, and Community Health 2 cr
      NURS 102 Perspectives on Health Care Systems 2 cr
   2. Biological Sciences Elective (3-5 credits)
      Choose one course:
      BIOS 101 Bioscience* 4 cr
      BIOS 103 Human Biology 3 cr
      BIOS 105 Human Physiology and Anatomy I 5 cr
3. **Chemistry Elective (3-5 credits)**

   Choose one course:
   - CHEM 100 World of Chemistry 3 cr
   - CHEM 101 General Chemistry I* 4 cr
   - CHEM 103 General Chemistry Lab I* 1 cr
   - CHEM 115 Chemical Science* 4 cr

   * indicates courses with prerequisite requirements

---

**Courses in Communication (COMM)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>107</td>
<td>Communication and the Human Condition</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td><em>Prereq: None. Freq: Fall, Spring.</em></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Examines social aspects of human life, including</td>
<td></td>
</tr>
<tr>
<td></td>
<td>a strong focus on how identity, culture and social</td>
<td></td>
</tr>
<tr>
<td></td>
<td>relationships are managed in interaction.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Includes an introduction to how language</td>
<td></td>
</tr>
<tr>
<td></td>
<td>constructs a version of the world in interaction.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Must earn a grade of C or better for credit</td>
<td></td>
</tr>
<tr>
<td></td>
<td>toward communication major.</td>
<td></td>
</tr>
<tr>
<td>108</td>
<td>Media and Society</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td><em>Prereq: None. Freq: Fall, Spring.</em></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Explores digital, broadcast and print media in</td>
<td></td>
</tr>
<tr>
<td></td>
<td>the context of contemporary life. Must earn a</td>
<td></td>
</tr>
<tr>
<td></td>
<td>grade of C or better for credit toward the</td>
<td></td>
</tr>
<tr>
<td></td>
<td>major.</td>
<td></td>
</tr>
<tr>
<td>202</td>
<td>Group Communication</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td><em>Prereq: None. Freq: Yearly.</em></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Explores various concepts in group communication</td>
<td></td>
</tr>
<tr>
<td></td>
<td>including group development, climate, problem</td>
<td></td>
</tr>
<tr>
<td></td>
<td>solving, decision making, and power.</td>
<td></td>
</tr>
<tr>
<td>205</td>
<td>Oral Interpretation</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td><em>Prereq: None. Freq: Fall, Spring, Summer.</em></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Students perform selections from a range of</td>
<td></td>
</tr>
<tr>
<td></td>
<td>literature that may include poetry, prose,</td>
<td></td>
</tr>
<tr>
<td></td>
<td>children's literature, drama and nontraditional</td>
<td></td>
</tr>
<tr>
<td></td>
<td>texts. Provides an experience before an audience</td>
<td></td>
</tr>
<tr>
<td></td>
<td>with emphasis on the improvement of oral</td>
<td></td>
</tr>
<tr>
<td></td>
<td>expression and articulation.</td>
<td></td>
</tr>
<tr>
<td>207</td>
<td>Introduction to the Communication Discipline Part</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td>I</td>
<td></td>
</tr>
<tr>
<td></td>
<td><em>Prereq: COMM 107,108. Freq: Fall, Spring.</em></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Introduces the communication discipline as a</td>
<td></td>
</tr>
<tr>
<td></td>
<td>community of practice. Emphasizes the practical</td>
<td></td>
</tr>
<tr>
<td></td>
<td>uses of contemporary communication theory and</td>
<td></td>
</tr>
<tr>
<td></td>
<td>research to solve problems.</td>
<td></td>
</tr>
<tr>
<td>208</td>
<td>Introduction to the Communication Discipline Part</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td>II</td>
<td></td>
</tr>
<tr>
<td></td>
<td>*Prereq: COMM 107, 108, and 207. Freq: Fall,</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Spring. Develops students’ professional</td>
<td></td>
</tr>
<tr>
<td></td>
<td>identities as practitioners of communication</td>
<td></td>
</tr>
<tr>
<td></td>
<td>research.</td>
<td></td>
</tr>
<tr>
<td>255</td>
<td>Writing for Multimedia</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td>*Prereq: ENGL 101, COMM 108; or consent of</td>
<td></td>
</tr>
<tr>
<td></td>
<td>instructor. Freq: Fall, Spring.*</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Writing for print, digital and social media.</td>
<td></td>
</tr>
<tr>
<td>285</td>
<td>Introduction to Conflict Analysis and Resolution</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td><em>Prereq: None. Freq: Fall, Spring.</em></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Examines approaches to understanding,</td>
<td></td>
</tr>
<tr>
<td></td>
<td>transforming, and resolving conflicts.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Includes case studies at the interpersonal,</td>
<td></td>
</tr>
<tr>
<td></td>
<td>organizational, community/cultural, and</td>
<td></td>
</tr>
<tr>
<td></td>
<td>international levels.</td>
<td></td>
</tr>
<tr>
<td>290</td>
<td>Special Topics in Communication</td>
<td>1-3 cr</td>
</tr>
<tr>
<td></td>
<td>*Prereq: COMM 107 or 108; or consent of</td>
<td></td>
</tr>
<tr>
<td></td>
<td>instructor. Freq: Occasionally.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Selected topics in communication will be</td>
<td></td>
</tr>
<tr>
<td></td>
<td>examined.</td>
<td></td>
</tr>
<tr>
<td>295</td>
<td>Sophomore Seminar</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td><em>Prereq: COMM 107 or 108. Freq: Fall, Spring.</em></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Introduces students to the communication major.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Reviews departmental learning objectives,</td>
<td></td>
</tr>
<tr>
<td></td>
<td>explores communication careers and assists</td>
<td></td>
</tr>
<tr>
<td></td>
<td>students in developing a professional identity.</td>
<td></td>
</tr>
<tr>
<td>303</td>
<td>Organizational Communication</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td>*Prereq: Core courses or consent of instructor.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Freq: Fall.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Examines the role of communication in</td>
<td></td>
</tr>
<tr>
<td></td>
<td>organizational settings. Includes organizational</td>
<td></td>
</tr>
<tr>
<td></td>
<td>communication theories and elements as well as</td>
<td></td>
</tr>
<tr>
<td></td>
<td>contemporary organizational systems and their</td>
<td></td>
</tr>
<tr>
<td></td>
<td>functioning.</td>
<td></td>
</tr>
</tbody>
</table>
310  Interpersonal Communication     3 cr
Examines the role of communication in structuring and accomplishing interpersonal interactions with an emphasis on the ways interactional processes construct relationships and identities.

315  Communication and Gender     3 cr
Prereq: Core courses or consent of instructor. Freq: Spring.
Explores the role of communication in the construction of gender, and the role of gender in the social organization and use of language and communication systems. Cross-listed with WGSS 315.

320  Privilege and Power     3 cr
Prereq: Junior standing; or consent of instructor. Freq: Yearly.
Examines oppressive social systems constituted by inequitable distributions of privilege and power. Focuses on the relationship between dominant groups and historical underrepresented groups in the U.S. Emphasizes issues of social justice and personal responsibility. Cross-listed with ETHN 320.

322  Public Relations Concepts and Practices     3 cr
Prereq: SPCH 105 or COMM 205; COMM 207, 208. Freq: Fall.
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.

330  Communication and Socialization     3 cr
Prereq: Core courses and COMM 310, or consent of instructor. Freq: Fall.
Examines current theories of child development with a focus on how children learn to communicate and the relationship between language and identity construction. Focuses on observations of children in three major contexts: home, school, peers.

335  Language in Human Communication     3 cr
Prereq: Core courses or consent of instructor. Freq: Occasionally.
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.

340  Health Communication     3 cr
Prereq: Core courses or consent of instructor. Freq: Spring.
Examines fundamentals of caregiver and client interactions, the relationship between our health and our interactions with others, and the production of health messages.

350  Digital Storytelling     3 cr
Prereq: Core courses or consent of instructor. Freq: Fall.
Examines the ways that digital storytelling creates identity and negotiates social life. Includes structure, function, genres, and contexts of narrative.

360  Contemporary Media Industries     3 cr
Prereq: COMM 108, 207, 208; or consent of instructor. Freq: Fall.
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.

363  Communication and Ethnicity     3 cr
Prereq: COMM 107 or consent of instructor. Freq: Fall, Spring.
Examines communication practices which construct, maintain, transform, or threaten ethnic identity in a co-cultural context. Emphasis rotates among African Americans, Asian Americans, Latinos/as, and Native American Indians. May be repeated with different topics. Cross-listed with ETHN 363.

365  Intercultural Communication     3 cr
Prereq: COMM 107, 207, 208; or consent of instructor. Freq: Fall.
Investigates the relationship between culture and human interaction, with an emphasis on ethical aspects of communication. Cross-listed with ETHN 365.

366  Communication and Popular Music     3 cr
Prereq: Core courses or consent of instructor. Freq: Occasionally.
Explores the cultural politics of popular music as communication in contemporary society.

368  Children and the Media     3 cr
Prereq: COMM 108, 207, 208; or consent of instructor. Freq: Spring.
Examines critically the ways electronic media affect the lives of children. Gives particular attention to research studies and current policy debates. Possible community-based learning.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites</th>
<th>Frequency</th>
</tr>
</thead>
<tbody>
<tr>
<td>370</td>
<td>Communication and Social Movements</td>
<td>3 cr</td>
<td>Prereq: Core courses or consent of instructor. Freq: Occasionally.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Focuses on the role of interpersonal and media communication in organizing,</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>carrying out, and documenting social movements.</td>
<td></td>
</tr>
<tr>
<td>385</td>
<td>Conflict Mediation</td>
<td>3 cr</td>
<td>Prereq: COMM 285 with a grade of C or better, or core courses; or consent of</td>
<td>Fall, Spring</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>instructor. Freq: Occasionally.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Examines theory and practice of methods for conflict transformation. Includes</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>facilitator training in dispute mediation, community dialogue, and the theatre</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>of empowerment.</td>
<td></td>
</tr>
<tr>
<td>390</td>
<td>Special Topics in Communication</td>
<td>1-3 cr</td>
<td>Prereq: Core courses or consent of instructor. Freq: Occasionally. Selected</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>topics in communication will be examined.</td>
<td></td>
</tr>
<tr>
<td>430</td>
<td>Digital and Social Media Communication</td>
<td>3 cr</td>
<td>Prereq: Core courses or consent of instructor. Freq: Occasionally.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Examines critical analysis and application of Internet communication, including</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>social networking, crowdsourcing, online communities and collaboration,</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>identity and privacy issues, and other topics.</td>
<td></td>
</tr>
<tr>
<td>435</td>
<td>Integrated Marketing Communication</td>
<td>3 cr</td>
<td>Prereq: Core courses or consent of instructor. Freq: Fall.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Investigates theory and practice or integrated marketing communication</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>approaches, including advertising, public relations, and emerging digital</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>and social media. Possible community-based learning.</td>
<td></td>
</tr>
<tr>
<td>460</td>
<td>Global Media</td>
<td>3 cr</td>
<td>Prereq: Core courses or consent of instructor. Freq: Spring.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Explores global media through the lens of culture, politics, and economics.</td>
<td></td>
</tr>
<tr>
<td>463</td>
<td>Gender, Race, Class, and Sexualities in Media</td>
<td>3 cr</td>
<td>Prereq: Core courses in COMM or consent of instructor. Freq: Fall.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Explores how representations of gender, race, class, and sexualities in the</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>media contribute to our cultural identities. Cross-listed with WGSS 463.</td>
<td></td>
</tr>
<tr>
<td>468</td>
<td>Digital and Media Literacy Project</td>
<td>1 cr</td>
<td>Prereq: Consent of instructor and department chair. Freq: Fall, Spring.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>A capstone experience in which the student, under the guidance of a faculty</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>member, prepares and conducts a digital media literacy activity in the</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>community.</td>
<td></td>
</tr>
<tr>
<td>480</td>
<td>Practicum in Organizational Communication</td>
<td>3 cr</td>
<td>Prereq: Consent of instructor. Freq: Yearly.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Applies principles from public relations and/or organizational communication</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>to an actual organization in the community. Specific topic may address</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>developing a public relations campaign, training and developing, or consulting.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>May be repeated for credit with a different topic.</td>
<td></td>
</tr>
<tr>
<td>485</td>
<td>Practicum in Conflict Intervention</td>
<td>3 cr</td>
<td>Prereq: COMM 285, 385 with a grade of C or better. Freq: Fall, Spring.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Examines conflict intervention in a public setting (school, business, or</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>community). Includes in-class training and supervised field experience</td>
<td></td>
</tr>
<tr>
<td>490</td>
<td>Special Topics in Communication</td>
<td>1-3 cr</td>
<td>Prereq: Core courses or consent of instructor. Freq: Occasionally. Selected</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>topics in communication will be examined.</td>
<td></td>
</tr>
<tr>
<td>493</td>
<td>Capstone in Health Communication</td>
<td>1 cr</td>
<td>Prereq: COMM 340. Freq: Fall.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Assesses students understanding of program learning goals through the</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>development and presentation of a digital portfolio.</td>
<td></td>
</tr>
<tr>
<td>494</td>
<td>Communication Internship</td>
<td>1-3 cr</td>
<td>Prereq: COMM major, 2.80 GPA in the major, senior standing; or consent of</td>
<td>Fall, Spring, Summer</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>instructor and department chair. Freq: Fall, Summer.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Combines field experience combined with a guided, systematic and structured</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>application of communication concepts. Consult departmental internship</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>director for procedures. May be repeated for a maximum of 6 credits. Up to 3</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>credits may be applied to the major.</td>
<td></td>
</tr>
<tr>
<td>495</td>
<td>Senior Seminar</td>
<td>3 cr</td>
<td>Prereq: Core courses, graduating senior, 2.25 cumulative GPA; or consent of</td>
<td>Fall, Spring</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>instructor. Freq: Fall, Spring.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Assesses, integrates, and extends the student’s intellectual grasp of the</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>field. Includes career development planning. Taken during a student’s final</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>semester.</td>
<td></td>
</tr>
</tbody>
</table>
499  Independent Study  1-3 cr
Prereq: Core courses and consent of instructor and department chair. Freq: Fall, Spring, Summer.
Individual investigation of selected problems in communication. May be repeated for credits.
COMMUNITY ENGAGEMENT

UW-PARKSIDE 2017-19 CATALOG
Tallent Hall • 262-595-3340

Program Offered:
Certificate - Community Engagement

Program Overview
UW-Parkside’s certificate in community engagement (formerly called community-based learning) integrates the needs and resources of our communities into the classroom to fulfill clearly articulated learning objectives. 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, and Northern Illinois. 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, and 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, 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:

1. Become involved in civic affairs by:
   * Recognizing community issues that exist locally or globally
   * Realizing their commitment to learning about and solving those issues
   * Acquiring the skills and knowledge to take action effectively
   * Becoming actively engaged.
2. Participate effectively in dialogue around community issues;
3. Maximize their learning of concepts presented in the classroom in both major and general education courses;
4. Understand how knowledge gained in the classroom can be applied to solving practical problems in both the workplace and in the larger community;
5. Develop skills such as teamwork, problem solving, and public speaking making presentations, both inside and outside of the classroom;
6. Gain experience in working with diverse groups;
7. Make relevant professional contacts in the community;

Requirements for Admission to the Community Engagement Certificate
Complete a plan declaration form available online or in the Academic Advising Center. Declarations will be reviewed and approved by the faculty director or the community engagement coordinator.
Requirements for the Community Engagement Certificate
(13 credits)
The certificate requirements include two required courses and three elective courses (at least one three-credit elective at the 300-400 level) that offer community engagement credit.

A. Required Introductory Course (3 credits)
   CBL 101 Introduction to Community Engagement 3 cr

B. Elective Courses (9 credits)
   Three additional courses that offer a community engagement project or placement:
   1. Courses designated in the course schedule as community engagement courses (other than CBL 101 and 495);
   2. Students interested in completing a community project or placement may incorporate the experience into a course with the permission of the instructor and approval by the community engagement coordinator or faculty director and have it count toward the certificate in community engagement.
   3. Internships may be used for community engagement credit and should conform to UW-Parkside policies and procedures for internships (see the Policies section of this catalog).

C. Required Capstone Course (3 credits)
   CBL 495 Capstone in Community Engagement* 1 cr
   * Note: Another 495 capstone course may be used to fulfill this requirement with approval from the faculty director or community engagement coordinator.

Courses in Community Engagement (CBL)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>101</td>
<td>Introduction to Community Engagement</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td><em>Prereq: None. Freq: Fall, Spring.</em></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Introduction to community engagement concepts, theories, and practices. Emphasis on developing skills in critical thinking, collaborative problem-solving, and understanding complex community issues in local, global, interpersonal, and institutional contexts. Students complete 15 hours of exploratory service learning with a community organization. Core requirements for the Community Engagement Certificate; minimum &quot;C&quot; required for certificate.</td>
<td></td>
</tr>
<tr>
<td>290</td>
<td>Special Topics in Community Engagement</td>
<td>1-3 cr</td>
</tr>
<tr>
<td></td>
<td><em>Prereq: None. Freq: Occasionally.</em></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Selected topics in community based learning will be examined.</td>
<td></td>
</tr>
<tr>
<td>390</td>
<td>Special Topics in Community Engagement</td>
<td>1-3 cr</td>
</tr>
<tr>
<td></td>
<td><em>Prereq: None. Freq: Occasionally.</em></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Selected topics in community based learning will be examined.</td>
<td></td>
</tr>
<tr>
<td>495</td>
<td>Capstone in Community Engagement</td>
<td>1 cr</td>
</tr>
<tr>
<td></td>
<td><em>Prereq: CBL 101 or consent of instructor. Freq: Fall, Spring.</em></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Capstone course involving the production of a reflective electronic portfolio and digital story. May be integrated into the capstone course for student’s major, with approval of faculty director or coordinator of Community Engagement, and the department chair of student’s major.</td>
<td></td>
</tr>
<tr>
<td>499</td>
<td>Independent Study in Community Engagement</td>
<td>1-4 cr</td>
</tr>
<tr>
<td></td>
<td><em>Prereq: Consent of instructor and department chair. Freq: Occasionally.</em></td>
<td></td>
</tr>
</tbody>
</table>
College:  
Business, Economics, and Computing

Degrees and Programs Offered:  
Bachelor of Science

Major - Computer Science

Minors - Computer Science, Web Development


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 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

Requirements for the Computer Science Major
(72-73 credits)
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.

A. Required Mathematics Course (5 credits)
   MATH 221 Calculus and Analytic Geometry I 5 cr
B. Required Science Course (5 credits)
Choose one 5 credit option:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 201</td>
<td>General Physics I</td>
<td>5 cr</td>
</tr>
<tr>
<td>CHEM 101</td>
<td>General Chemistry I</td>
<td>4 cr</td>
</tr>
<tr>
<td>CHEM 103</td>
<td>General Chemistry I Lab</td>
<td>1 cr</td>
</tr>
</tbody>
</table>

C. Required Major Courses (62-63 credits)

1. Computer Science Courses (41 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSCI/</td>
<td>MATH 231 Discrete Mathematics</td>
<td>3 cr</td>
</tr>
<tr>
<td>CSCI 241</td>
<td>Computer Science I</td>
<td>5 cr</td>
</tr>
<tr>
<td>CSCI 242</td>
<td>Computer Science II</td>
<td>4 cr</td>
</tr>
<tr>
<td>CSCI 245</td>
<td>Assembly Language Programming</td>
<td>3 cr</td>
</tr>
<tr>
<td>CSCI 309</td>
<td>Probability and Statistics</td>
<td>3 cr</td>
</tr>
<tr>
<td>CSCI 333</td>
<td>Programming Languages</td>
<td>3 cr</td>
</tr>
<tr>
<td>CSCI 340</td>
<td>Data Structures and Algorithm Design</td>
<td>3 cr</td>
</tr>
<tr>
<td>CSCI 355</td>
<td>Computer Architecture</td>
<td>3 cr</td>
</tr>
<tr>
<td>CSCI 370</td>
<td>Operating Systems</td>
<td>3 cr</td>
</tr>
<tr>
<td>CSCI 380</td>
<td>Database Management Systems</td>
<td>3 cr</td>
</tr>
<tr>
<td>CSCI 475</td>
<td>Software Engineering Principles and Practice I</td>
<td>3 cr</td>
</tr>
<tr>
<td>CSCI 476</td>
<td>Software Engineering Principles and Practice II</td>
<td>3 cr</td>
</tr>
<tr>
<td>CSCI 495</td>
<td>Computer Science Seminar</td>
<td>2 cr</td>
</tr>
</tbody>
</table>

2. Elective Major Courses (12 credits)
Choose four courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSCI 405</td>
<td>Artificial Intelligence</td>
<td>3 cr</td>
</tr>
<tr>
<td>CSCI 420</td>
<td>Computer Graphics</td>
<td>3 cr</td>
</tr>
<tr>
<td>CSCI 421</td>
<td>Computer Vision</td>
<td>3 cr</td>
</tr>
<tr>
<td>CSCI 422</td>
<td>Multimedia Systems</td>
<td>3 cr</td>
</tr>
<tr>
<td>CSCI 423</td>
<td>Mobile Development II</td>
<td>3 cr</td>
</tr>
<tr>
<td>CSCI 424</td>
<td>Networked Applications</td>
<td>3 cr</td>
</tr>
<tr>
<td>CSCI 431</td>
<td>Computational Models</td>
<td>3 cr</td>
</tr>
<tr>
<td>CSCI 435</td>
<td>UNIX System Administration</td>
<td>3 cr</td>
</tr>
<tr>
<td>CSCI 440</td>
<td>Compiler Design and Implementation</td>
<td>3 cr</td>
</tr>
<tr>
<td>CSCI 444</td>
<td>Event-Driven Programming</td>
<td>3 cr</td>
</tr>
<tr>
<td>CSCI 445</td>
<td>Web Security</td>
<td>3 cr</td>
</tr>
<tr>
<td>CSCI 467</td>
<td>Computability and Automata</td>
<td>3 cr</td>
</tr>
<tr>
<td>CSCI 477</td>
<td>Computer Communications and Networks</td>
<td>3 cr</td>
</tr>
<tr>
<td>CSCI 478</td>
<td>Network Security</td>
<td>3 cr</td>
</tr>
<tr>
<td>CSCI 479</td>
<td>Information Systems Security</td>
<td>3 cr</td>
</tr>
<tr>
<td>CSCI 480</td>
<td>Advanced Databases</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

3. Required Computer Science Breadth Requirement (9-10 credits)
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 and 301
- MATH 222 and PHYS 202
- CHEM 102/104 and either CHEM 206 or 215
- Select any 3 courses from: ACCT 201, BUS 272, FIN 330, MGT 349, or MKT 350
- ECON 320 or 321, and two additional 300-level ECON courses
- GEOG 350, 460 and 465
• CRMJ 316, 380 and BUS 272
• ART 104, 377 and 477

Optionally, a student may submit an individually designed computer science breadth package of 9 or more credits for approval by the computer science faculty. See the department chair for details.

Requirements for the Computer Science/Mathematics Double Major (90-91 credits)

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, together with the following mathematics courses (which automatically satisfy the computer science breadth requirement):

**Required Math Courses (30 credits)**

- MATH 222 Calculus and Analytic Geometry II 5 cr
- MATH 223 Calculus and Analytic Geometry III 5 cr
- MATH 301 Linear Algebra 4 cr
- MATH 303 Set Theory, Logic and Proof 4 cr
- MATH 317 Differential Equations and Their Applications 4 cr
- MATH 350 Advanced Calculus 4 cr
  OR
- MATH 367 Elementary Number Theory 4 cr
- MATH 441 Abstract Algebra 4 cr

Students completing the computer science/mathematics double major are strongly encouraged to take CSCI 431 as one of their electives.

**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.

**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.
Requirements for the Computer Science Minor (26 credits)
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. 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.

A. Required Mathematics Course (5 credits)
   MATH 221 Calculus and Analytic Geometry I  5 cr

B. Required Computer Science Courses (15 credits)
   CSCI/MATH 231 Discrete Mathematics   3 cr
   CSCI 241 Computer Science I   5 cr
   CSCI 242 Computer Science II   4 cr
   CSCI 340 Data Structures and Algorithm Design  3 cr
   OR
   CSCI 380 Database Management Systems  3 cr

C. Elective Courses (6 credits)
   At least 6 credits of CSCI courses numbered 333 or above, excluding CSCI 495.

Requirements for the Web Development Minor
(27-29 credits)
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.

A. Required Courses (24-26 credits)
   ART 104 Introduction to Digital Art   3 cr
   ART 377 Web Design I   3 cr
   ART 477 Web Design II   3 cr
   CSCI 241 Computer Science I   5 cr
   OR
   MIS 221 Business Programming I - Visual Basic   3 cr
   CSCI 220 Web Concepts I   3 cr
   CSCI 322 Web Concepts II   3 cr
   CSCI 433 Web Development Project   3 cr
   Choose one course:
   ENGL 202 Technical Writing   3 cr
   ENGL 204 Writing for Business and Industry   3 cr
   COMM 255 Writing for Multimedia   3 cr

B. Elective Course (3 credits)
   Choose one course:
   CSCI 380 Database Management Systems   3 cr
   CSCI 445 Web Security   3 cr
   MIS 328 Database Management Systems   3 cr
   MIS 422 Internet Programming   3 cr
   A pre-approved CSCI 490 or MIS 490 such as Web Services   3 cr
Requirements for the Mobile Development Certificate
(16 credits)
The computer science department offers a certificate in mobile development for students interested in careers involving developing mobile applications for tablet computers and mobile phones. 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.

Required Courses (16 credits)
CSCI 210 Mobile Device Interfaces 3 cr
CSCI 242 Computer Science II 4 cr
CSCI 323 Mobile Development I 3 cr
CSCI 423 Mobile Development II 3 cr
CSCI 424 Networked Applications 3 cr

Note: CSCI 242 requires formal programming experience equivalent to CSCI 241.

Requirements for the UNIX System Administration Certificate (10-11 credits)
The computer science department offers a certificate in UNIX system administration that provides background and experience for students interested in careers in system administration. This certificate consists of the following courses:

A. Required Course Options (5-6 credits)
CSCI 241 Computer Science I 5 cr
OR
MIS 221 Business Programming I - Visual Basic 3 cr
AND
MIS 322 Business Programming II - C# 3 cr

B. Required Courses (5 credits)
CSCI 274 UNIX Concepts and Tools 1 cr
CSCI 275 UNIX Scripting 1 cr
CSCI 435 UNIX System Administration 3 cr

Requirements for the World Wide Web Publishing Certificate (15-17 credits)
In cooperation with the art department, the computer science department offers a certificate in world wide web publishing. The certificate serves traditional students who want to augment their major and improve their employability by adding webmaster skills, as well as professionals interested in the essentials of webpage design. Individuals may enter the program at any point, depending on background and experience.

A. Required Courses (9 credits)
ART 104 Introduction to Digital Art 3 cr
ART 377 Web Design I 3 cr
CSCI 220 Web Concepts I 3 cr

B. Electives (6-8 credits)
Choose one course:
CSCI 130 Introduction to Programming 3 cr
CSCI 241 Computer Science I 5 cr

Choose one course:
CSCI 322 Web Concepts II 3 cr
ART 477 Web Design II 3 cr
Requirements for the Cyber Security Certificate (9 credits)
The computer science department offers a certificate in cyber security for students interested in careers as an information systems auditor or security analyst. Our certificate is the first offered by a four-year university in Wisconsin that meets the Committee on National Security Systems National Training Standard for: Information Systems Security (INFOSEC) Professionals, NSTISSI No. 4011. With the growth of computer networking and the World Wide Web, cyber security has become of increasing importance to all computer users. Our certificate gives students a background in securing applications and systems software, desktop computers, servers, and the networks that connect them. 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.

Choose Three Courses (9 credits)

CSCI 445  Web Security  3 cr
CSCI 477  Computer Communications and Networks  3 cr
OR
MIS 424  Advanced Business Data Communications  3 cr
CSCI 478  Network Security  3 cr
CSCI 279  Basic Information Security  3 cr
OR
CSCI 479  Information Systems Security  3 cr

Courses in Computer Science (CSCI)

105  Introduction to Computers  3 cr
Prereq: None. Freq: Fall, Spring, Summer.
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.

130  Introduction to Programming  3 cr
Prereq: MATH 111 or equivalent. Freq: Fall, Spring.
Fundamentals of high-level programming language: object-orientation, methods, functions, variables, program control.

210  Mobile Device Interfaces  3 cr
Prereq: MATH 111. Freq: Fall.
Focuses on the fundamentals of interface design for mobile devices. Topics include input, output, organization, and human-computer interaction. Various tools are used to design and implement interfaces appropriate for various screen sizes and resolutions found on mobile devices.

220  Web Concepts I  3 cr
Prereq: C or better in CSCI 130, 241; or MIS 221; or consent of instructor. Freq: Fall.
Explains web client programming concepts: website authoring, dynamic web pages, object usage, events and event-driven programming, markup languages, document object model.

231  Discrete Mathematics  3 cr
Prereq: C of better in MATH 112. Freq: Fall, Spring.
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.

241  Computer Science I  5 cr
Prereq: C or better in MATH 112 and 113, or 114. Freq: Fall, Spring.
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.

242  Computer Science II  4 cr
Prereq: C or better in CSCI 241. Freq: Fall, Spring.
Explores object-oriented programming concepts including inheritance and polymorphism; recursion. Introduces data structures including: lists, stacks, queues, trees and maps; advanced sorting and searching algorithms. Three-hour lecture, two-hour lab.
245 Assembly Language Programming 3 cr
Prereq: C or better in CSCI 231, 241; 242 or concurrent registration. Freq: Fall, Spring.
Explores organization of computers, digital representation of data, symbolic coding and assembler systems, instructions, addressing modes, program segmentation and linkage, and applications.

274 UNIX Concepts and Tools 1 cr
Prereq: C or better in CSCI 130, 241; or MIS 221, or concurrent registration. Freq: Fall.
Examines concepts and tools for UNIX including file system organization, directory and file manipulation, text processing, UNIX processes, editors, interacting with other users, interacting with Internet hosts systems. One-hour lecture, one and one half hour lab.

275 UNIX Scripting 1 cr
Prereq: C or better in CSCI 274. Freq: Fall.
Investigates Unix shells, shell variables and the environment, scripting languages, input and output, control structures, argument handling, functions, parameter passing and start-up scripts. One-hour lecture, one and one half hour lab.

279 Basic Information Security 3 cr
Prereq: None. Freq: Occasionally.
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.

290 Special Topics in Computer Science 1-4 cr
Prereq: Consent of instructor. Freq: Occasionally.
Elementary topics in computer science.

291 Makerspace Seminar. 1 cr
Prereq: None. Freq: Occasionally.
Requires independent work in a community-operated workspace where students with common interests develop technology related projects.

296 Professional Certification 1-6 cr
Prereq: Consent of instructor. Freq: Occasionally.
Instruction and laboratory work preparing students to take professional certification examinations. Credits will vary depending on certification program. Special laboratory fees, add/drop deadlines, and fee refund policies may apply.

309 Probability and Statistics 3 cr
Prereq: C or better in MATH 221. Freq: Spring.
Covers elementary probability; random variables, properties of distributions, sampling, queuing theory, central limit theorem and law of large numbers. Cross-listed with MATH 309.

322 Web Concepts II 3 cr
Prereq: CSCI 220 or consent of instructor. Freq: Spring.
Explains server-side programming concepts; server architectures; relational databases and database connectivity; dynamic web pages; form processing and web services.

323 Mobile Development I 3 cr
Prereq: C or better in CSCI 242, or consent of instructor. Freq: Occasionally.
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. Cross-listed with CIS 523.

333 Programming Languages 3 cr
Prereq: C or better in CSCI 231, 242. Freq: Spring.
Introduction to the syntax and semantic issues in programming languages and their effect on language implementation. This includes methods to specify languages, data storage, and the sequence of control in programs. Non-procedural languages, including functional and logic languages, will be examined.

340 Data Structures and Algorithm Design 3 cr
Prereq: C or better in CSCI 231, 242. Freq: Spring.
Study of the design, implementation and analysis of computer algorithms; time and space requirements for sorting, searching, graph theory, mathematics and string processing algorithms.

355 Computer Architecture 3 cr
Prereq: C or better in CSCI 245. Freq: Spring.
The design of computer systems and components. Processor design, control structures and microprogramming; caches, memory hierarchies, mass memory, and memory management; buses, interrupts and I/O structures; multiprocessors and advanced processors.
368 Mathematical Modeling 3 cr
Prereq: MATH 222, MATH 250 or CSCI 242. Freq: Occasionally.
Survey of mathematical models, models involving differential equations, probabilistic models, Markovian models, simulation, and Monte-Carlo methods. Cross-listed with MATH 368.

370 Operating Systems 3 cr
Prereq: C or better in CSCI 242 and 355. Freq: Fall.
Operating system concepts, process definition and implementation, deadlock, memory management and protection, distributed system architecture, and case studies.

380 Database Management Systems 3 cr
Prereq: C or better in CSCI 242. Freq: Fall.
Examines the relational model, database design, relational database query languages such as Relational Algebra and SQL, database normalization techniques, physical database design.

405 Artificial Intelligence (AI) 3 cr
Prereq: C or better in CSCI 333. Freq: Occasionally.
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. Not open to those with credit in CIS 605.

420 Computer Graphics 3 cr
Prereq: C or better in CSCI 340. Freq: Occasionally.
Graphics hardware and software, techniques for representation and visualization, two- and three-dimensional transformations, concepts and techniques of visual realism.

421 Computer Vision 3 cr
Prereq: C or better in CSCI 242. Freq: Occasionally.
Reviews algebra of matrices and partial differentiation. Introduces Machine Vision and Image Processing including image formation, thresholding, image filtering, edge detection, image segmentation, image data compression, image similarity and dynamic vision. Cross-listed with CIS 621.

422 Multimedia Systems 3 cr
Prereq: C or better in CSCI 333 or 340. Freq: Occasionally.
Principles and design of multimedia systems; implementation of multimedia algorithms; and discussion of current multimedia technologies. Not open to students with credit in CIS 622.

423 Mobile Development II 3 cr
Prereq: C or better in CSCI 323, or consent of instructor. Freq: Occasionally.
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. Cross-listed with CIS 623.

424 Networked Applications 3 cr
Prereq: C or better in CSCI 423 or consent of instructor. Freq: Fall.
Explores server-side application programming concepts. Topics include server architectures, communication protocols, relational databases and database connectivity, dynamic content delivery and communication security. Cross-listed with CIS 674.

431 Computational Models 3 cr
Prereq: C or better in CSCI 231. Freq: Occasionally.
Delves into regular languages, finite automata, context-free languages and grammars, push-down automata, Turing machines, algorithms and the Church-Turing thesis, and decidability.

433 Web Development Project 3 cr
Prereq: CSCI 322 or consent of instructor. Freq: Occasionally.
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.

435 UNIX System Administration 3 cr
Prereq: C or better in CSCI 275. Freq: Spring.
Covers UNIX 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 UNIX with other operating systems. Two-hour lecture; two-hour lab. Cross-listed with CIS 635.

440 Compiler Design and Implementation 3 cr
Prereq: C or better in CSCI 333 or concurrent registration. Freq: Occasionally.
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.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>444</td>
<td>Event-Driven Programming</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td>Prereq: C or better in CSCI 370. Freq: Occasionally.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>445</td>
<td>Web Security</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td>Prereq: C or better in CSCI 242 or 322. Freq: Occasionally.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Vulnerabilities of web languages, interfaces, servers and databases. Identifying and avoiding vulnerabilities with shopping carts, HTTP/HTTPS and the URL. Detecting and preventing hacking techniques such as cyber graffiti, e-shoplifting, impersonation, buffer overflows and cross-site scripting.</td>
<td></td>
</tr>
<tr>
<td>467</td>
<td>Computability and Automata</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td>Prereq: C or better in CSCI 331 or consent of instructor. Freq: Occasionally.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Turing machines, recursive functions, Kleene’s T Predicate, Ackermann’s function, finite automata, grammars and languages. Cross-listed with MATH 467.</td>
<td></td>
</tr>
<tr>
<td>475</td>
<td>Software Engineering Principles and Practice I</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td>Prereq: C or better in CSCI 333, 340, 370 or 380. Freq: Fall.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>476</td>
<td>Software Engineering Principles and Practice II</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td>Prereq: C or better in CSCI 475. Freq: Spring.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>477</td>
<td>Computer Communications and Networks</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td>Prereq: C or better in CSCI 242, 245. Freq: Occasionally.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Transmission protocols, layered network protocols, network topology, message routing, performance analysis, security, and case studies.</td>
<td></td>
</tr>
<tr>
<td>478</td>
<td>Network Security</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td>Prereq: C or better in CSCI 370, 425, 477 or MIS 327. Freq: Occasionally.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>479</td>
<td>Information Systems Security</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td>Prereq: C or better in CSCI 370 or MIS 328. Freq: Occasionally.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Introduction to information systems security. Considers technical, administrative, and physical aspects of IT security. Topics include fraud, risk, information protection, business continuity, network security, auditing, and security planning and governance.</td>
<td></td>
</tr>
<tr>
<td>480</td>
<td>Advanced Databases</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td>Prereq: C or better in CSCI 380. Freq: Occasionally.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Reviews 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.</td>
<td></td>
</tr>
<tr>
<td>490</td>
<td>Special Topics in Computer Science</td>
<td>1-4 cr</td>
</tr>
<tr>
<td></td>
<td>Prereq: Consent of instructor. Freq: Occasionally.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Advanced topics in computer science with applications.</td>
<td></td>
</tr>
<tr>
<td>493</td>
<td>Internship in Computer Science</td>
<td>1-2 cr</td>
</tr>
<tr>
<td></td>
<td>Prereq: Consent of instructor and department chair. Freq: Fall, Spring.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>495</td>
<td>Computer Science Seminar</td>
<td>2 cr</td>
</tr>
<tr>
<td></td>
<td>Prereq: Any 300-level CSCI course or consent of instructor. Freq: Fall.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Examines computer ethics, the computing profession, current trends in information technology, and career opportunities. Includes oral presentations.</td>
<td></td>
</tr>
<tr>
<td>499</td>
<td>Independent Study</td>
<td>1-3 cr</td>
</tr>
<tr>
<td></td>
<td>Prereq: Consent of instructor and department chair. Freq: Fall, Spring.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Independent work on a specific problem in computer science under the supervision of faculty.</td>
<td></td>
</tr>
</tbody>
</table>
CRIMINAL JUSTICE
UW-PARKSIDE 2017-19 CATALOG
Molinaro 367 • 262-595-3416

College:
Social Sciences and Professional Studies

Degree and Programs Offered:
Bachelor of Arts
Major - Criminal Justice
Minor - Criminal Justice

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, 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.

Program Level Outcomes
Our students can use their knowledge in Criminal Justice to:

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.

Preparation for Graduate School
The criminal justice major provides preparation for professional and graduate studies in law, criminology, criminal justice, sociology, public administration, and other related fields

Requirements for Admission to the Criminal Justice Major
In order to declare a major in criminal justice, the student must have 1) CRMJ 101 Introduction to Criminal Justice (or equivalent transfer course) with a grade of C or better, and 2) an overall GPA of at least 2.25.
Requirements for the Criminal Justice Major (42 Credits)

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.

Complete with a C or better (C-minus is not acceptable) all courses toward the criminal justice major. Courses are selected in consultation with your academic adviser.

A. Required Core Courses (27 credits)

- CRMJ 101 Introduction to Criminal Justice 3 cr
- CRMJ 200 Criminal Justice Research Methods 3 cr
- CRMJ 233 Criminology 3 cr
- CRMJ 234 Juvenile Delinquency/Juvenile Justice 3 cr
- CRMJ 235 Police and Society 3 cr
- CRMJ 316 Criminal Procedure 3 cr
- CRMJ 363 Corrections 3 cr
- CRMJ 365 Race, Crime, Law (DV) 3 cr
- CRMJ 380 Criminal Law 3 cr

B. Upper-Level Electives (15 credits)

Choose five courses:
Suggested 300-level electives relevant to possible career tracks:

Law Enforcement

- ANTH 310 Forensic Anthropology 3 cr
- CRMJ 305 Family Violence 3 cr
- CRMJ 327 Communities, Crime and Place 3 cr
- CRMJ 335 Liability Issues in Criminal Justice 3 cr
- CRMJ 344 Organized Crime 3 cr
- CRMJ 345 White Collar Crime 3 cr
- CRMJ 355 Forensic Evidence 3 cr
- CRMJ 366 Women, Crime and Criminal Justice 3 cr
- CRMJ 368 Victimology 3 cr
- CRMJ 371 The Criminal Mind 3 cr
- CRMJ 372 Violence 3 cr
- CRMJ 387 Terrorism and Security 3 cr
- PHIL 328 Ethics in the Criminal Justice System 3 cr
- POLS 310 Constitutional Law: Civil Liberties 3 cr

Courts/Law

- CRMJ 335 Liability Issues in Criminal Justice 3 cr
- CRMJ 352 Law and Social Change 3 cr
- CRMJ 359 Law and Society 3 cr
- CRMJ 371 The Criminal Mind 3 cr
- CRMJ 375 Criminal Court Process 3 cr
- PHIL 328 Ethics in the Criminal Justice System 3 cr
- POLS 310 Constitutional Law: Civil Liberties 3 cr

Corrections

- CRMJ 305 Family Violence 3 cr
- CRMJ 325 Restorative Justice 3 cr
- CRMJ 335 Liability Issues in Criminal Justice 3 cr
- CRMJ 361 Correctional Intervention 3 cr
- CRMJ 362 Community Corrections 3 cr
- CRMJ 364 Capital Punishment 3 cr
- CRMJ 366 Women, Crime, Criminal Justice 3 cr
- CRMJ 371 The Criminal Mind 3 cr
CRMJ 372  Violence  3 cr
PHIL 320  Value Theory: Punishment  3 cr
PHIL 328  Ethics in the Criminal Justice System  3 cr

Juvenile Justice
CRMJ 305  Family Violence  3 cr
CRMJ 366  Women, Crime and Criminal Justice  3 cr
CRMJ 372  Violence  3 cr
CRMJ 391  The Criminal Justice Profession  3 cr
PHIL 328  Ethics in the Criminal Justice System  3 cr

Criminal Justice/Social Justice
CRMJ 352  Law and Social Change  3 cr
CRMJ 353  Criminal Justice/Social Justice  3 cr
CRMJ 359  Law and Society  3 cr
CRMJ 367  Latinos(as) and the Law  3 cr
CRMJ 374  Crime & Human Rights  3 cr
CRMJ 385  Media, Crime and Criminal Justice  3 cr
CRMJ 388  Comparative and International Criminal Justice Systems  3 cr
CRMJ 391  The Criminal Justice Profession  3 cr
CRMJ 492  Criminal Justice Research Seminar  3 cr
CRMJ 494  Criminal Justice Internship*  3-6 cr
POLS 316  Diversity Law: African Americans (DV)  3 cr

*Only 3 credits of CRMJ 494 will count toward criminal justice upper-division elective credits

Requirements for the Criminal Justice Minor (24 Credits)
The minor in criminal justice consists of a minimum of 24 credits, distributed as follows:

A. Core Courses (12 credits)
1. Required Course (3 credits):
   CRMJ 101 Introduction to Criminal Justice  3 cr
2. Choose Three Courses (9 credits):
   CRMJ 233  Criminology  3 cr
   CRMJ 234  Juvenile Delinquency/Juvenile Justice  3 cr
   CRMJ 235  Police and Society  3 cr
   CRMJ 316  Criminal Procedure  3 cr
   CRMJ 363  Corrections  3 cr
   CRMJ 365  Race, Crime, Law (DV)  3 cr
   CRMJ 380  Criminal Law  3 cr

B. Research Methods/Statistics (3 credits)
   CRMJ 200  Criminal Justice Research Methods  3 cr
   or equivalent methods/statistics course approved by the criminal justice adviser.

C. Upper-Level Electives (9 credits)
   Choose three courses:
   Suggested 300-level electives relevant to possible career tracks:
   
   Law Enforcement
   ANTH 310  Forensic Anthropology  3 cr
   CRMJ 305  Family Violence  3 cr
   CRMJ 327  Communities, Crime and Place  3 cr
   CRMJ 335  Liability Issues in Criminal Justice  3 cr
   CRMJ 344  Organized Crime  3 cr
   CRMJ 345  White Collar Crime  3 cr
   CRMJ 355  Forensic Evidence  3 cr
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRMJ 366</td>
<td>Women, Crime and Criminal Justice</td>
<td>3 cr</td>
</tr>
<tr>
<td>CRMJ 368</td>
<td>Victimology</td>
<td>3 cr</td>
</tr>
<tr>
<td>CRMJ 371</td>
<td>The Criminal Mind</td>
<td>3 cr</td>
</tr>
<tr>
<td>CRMJ 372</td>
<td>Violence</td>
<td>3 cr</td>
</tr>
<tr>
<td>CRMJ 387</td>
<td>Terrorism and Security</td>
<td>3 cr</td>
</tr>
<tr>
<td>PHIL 328</td>
<td>Ethics in the Criminal Justice System</td>
<td>3 cr</td>
</tr>
<tr>
<td>POLS 310</td>
<td>Constitutional Law: Civil Liberties</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

**Courts/Law**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRMJ 335</td>
<td>Liability Issues in Criminal Justice</td>
<td>3 cr</td>
</tr>
<tr>
<td>CRMJ 352</td>
<td>Law and Social Change</td>
<td>3 cr</td>
</tr>
<tr>
<td>CRMJ 359</td>
<td>Law and Society</td>
<td>3 cr</td>
</tr>
<tr>
<td>CRMJ 371</td>
<td>The Criminal Mind</td>
<td>3 cr</td>
</tr>
<tr>
<td>CRMJ 375</td>
<td>Criminal Court Process</td>
<td>3 cr</td>
</tr>
<tr>
<td>PHIL 328</td>
<td>Ethics in the Criminal Justice System</td>
<td>3 cr</td>
</tr>
<tr>
<td>POLS 310</td>
<td>Constitutional Law: Civil Liberties</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

**Corrections**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRMJ 305</td>
<td>Family Violence</td>
<td>3 cr</td>
</tr>
<tr>
<td>CRMJ 325</td>
<td>Restorative Justice</td>
<td>3 cr</td>
</tr>
<tr>
<td>CRMJ 335</td>
<td>Liability Issues in Criminal Justice</td>
<td>3 cr</td>
</tr>
<tr>
<td>CRMJ 361</td>
<td>Correctional Intervention</td>
<td>3 cr</td>
</tr>
<tr>
<td>CRMJ 362</td>
<td>Community Corrections</td>
<td>3 cr</td>
</tr>
<tr>
<td>CRMJ 364</td>
<td>Capital Punishment</td>
<td>3 cr</td>
</tr>
<tr>
<td>CRMJ 366</td>
<td>Women, Crime and Criminal Justice</td>
<td>3 cr</td>
</tr>
<tr>
<td>CRMJ 371</td>
<td>The Criminal Mind</td>
<td>3 cr</td>
</tr>
<tr>
<td>CRMJ 372</td>
<td>Violence</td>
<td>3 cr</td>
</tr>
<tr>
<td>PHIL 320</td>
<td>Value Theory: Punishment</td>
<td>3 cr</td>
</tr>
<tr>
<td>PHIL 328</td>
<td>Ethics in the Criminal Justice System</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

**Juvenile Justice**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRMJ 305</td>
<td>Family Violence</td>
<td>3 cr</td>
</tr>
<tr>
<td>CRMJ 366</td>
<td>Women, Crime and Criminal Justice</td>
<td>3 cr</td>
</tr>
<tr>
<td>CRMJ 372</td>
<td>Violence</td>
<td>3 cr</td>
</tr>
<tr>
<td>CRMJ 391</td>
<td>The Criminal Justice Profession</td>
<td>3 cr</td>
</tr>
<tr>
<td>PHIL 328</td>
<td>Ethics in the Criminal Justice System</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

**Criminal Justice/Social Justice**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRMJ 352</td>
<td>Law and Social Change</td>
<td>3 cr</td>
</tr>
<tr>
<td>CRMJ 353</td>
<td>Criminal Justice/Social Justice</td>
<td>3 cr</td>
</tr>
<tr>
<td>CRMJ 359</td>
<td>Law and Society</td>
<td>3 cr</td>
</tr>
<tr>
<td>CRMJ 367</td>
<td>Latinos(as) and the Law</td>
<td>3 cr</td>
</tr>
<tr>
<td>CRMJ 374</td>
<td>Crime &amp; Human Rights</td>
<td>3 cr</td>
</tr>
<tr>
<td>CRMJ 385</td>
<td>Media, Crime and Criminal Justice</td>
<td>3 cr</td>
</tr>
<tr>
<td>CRMJ 388</td>
<td>Comparative and International Criminal Justice Systems</td>
<td>3 cr</td>
</tr>
<tr>
<td>CRMJ 391</td>
<td>The Criminal Justice Profession</td>
<td>3 cr</td>
</tr>
<tr>
<td>POLS 316</td>
<td>Diversity Law: African Americans (DV)</td>
<td>3 cr</td>
</tr>
<tr>
<td>CRMJ 492</td>
<td>Criminal Justice Research Seminar</td>
<td>3 cr</td>
</tr>
</tbody>
</table>
# Courses in Criminal Justice (CRMJ)

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>101</td>
<td>Introduction to Criminal Justice</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td><em>Prereq:</em> None. <em>Freq:</em> Fall, Spring, Summer.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>An introduction to the study of agencies and processes involved in the criminal justice system: law enforcement, the courts, corrections, and juvenile justice. An analysis of the roles and problems within criminal justice agencies in a democratic society.</td>
<td></td>
</tr>
<tr>
<td>200</td>
<td>Criminal Justice Research Methods</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td><em>Prereq:</em> CRMJ 101. <em>Freq:</em> Fall, Spring.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Methods, philosophy and sources of criminal justice research.</td>
<td></td>
</tr>
<tr>
<td>233</td>
<td>Criminology</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td><em>Prereq:</em> CRMJ 101 or SOCA 101. <em>Freq:</em> Fall, Spring.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Examines past and current theory and research including crime as a consequence of social, economic, political and personal factors; and critique of approaches to prevention and correction. Cross-listed with SOCA 233.</td>
<td></td>
</tr>
<tr>
<td>234</td>
<td>Juvenile Delinquency/Juvenile Justice</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td><em>Prereq:</em> CRMJ 101 or SOCA 101. <em>Freq:</em> Fall, Spring.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>235</td>
<td>Police and Society</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td><em>Prereq:</em> CRMJ 101 or SOCA 101. <em>Freq:</em> Fall, Spring.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Studies 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.</td>
<td></td>
</tr>
<tr>
<td>290</td>
<td>Special Topics in Criminal Justice</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td><em>Prereq:</em> Consent of instructor. <em>Freq:</em> Occasionally.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Selected topics in criminal justice will be examined. General elective only, not upper-level elective.</td>
<td></td>
</tr>
<tr>
<td>305</td>
<td>Family Violence</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td><em>Prereq:</em> CRMJ 101 or SOCA 101. <em>Freq:</em> Fall, Spring, Summer.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Examines the criminal justice response to family violence, which includes child abuse, spousal abuse, elder abuse, and date rape. Explores the prevalence and extent of family violence as well as strategies for treatment and prevention. Cross-listed with SOCA 305.</td>
<td></td>
</tr>
<tr>
<td>316</td>
<td>Criminal Procedure</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td><em>Prereq:</em> CRMJ 101 or consent of instructor. <em>Freq:</em> Fall, Spring.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>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 14th Amendments; more commonly known as the criminal justice amendments.</td>
<td></td>
</tr>
<tr>
<td>325</td>
<td>Restorative Justice</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td><em>Prereq:</em> CRMJ 101 or consent of instructor. <em>Freq:</em> Yearly.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>This course examines the basic principles of restorative justice and its variants, such as transformative justice, peacemaking criminology, and community justice systems. Restorative justice is contrasted with the dominant retributive/punitive model of justice. The position of the victim, offender, and the community within the context of restorative justice is also explored and examined.</td>
<td></td>
</tr>
<tr>
<td>327</td>
<td>Communities, Crime and Place</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td><em>Prereq:</em> CRMJ 101 or consent of instructor. <em>Freq:</em> Occasionally.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Examines the theoretical and applied relationship between communities, crime and place. Includes discussions of criminal justice, geographic and sociological theories linking crime to location. Reviews crime mapping.</td>
<td></td>
</tr>
<tr>
<td>335</td>
<td>Liability Issues in Criminal Justice</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td><em>Prereq:</em> CRMJ 101 or consent of instructor. <em>Freq:</em> Occasionally.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Liability issues in criminal justice focuses on the constitutional and statutory rules governing liability for governmental actions resulting in harm to citizens under civil rights laws.</td>
<td></td>
</tr>
<tr>
<td>344</td>
<td>Organized Crime</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td><em>Prereq:</em> CRMJ 101 or consent of instructor. <em>Freq:</em> Occasionally.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
<td>Credits</td>
</tr>
<tr>
<td>------------</td>
<td>--------------------------------------------------</td>
<td>---------</td>
</tr>
<tr>
<td>345</td>
<td>White Collar Crime</td>
<td>3 cr</td>
</tr>
<tr>
<td>352</td>
<td>Law and Social Change</td>
<td>3 cr</td>
</tr>
<tr>
<td>353</td>
<td>Criminal Justice/Social Justice</td>
<td>3 cr</td>
</tr>
<tr>
<td>355</td>
<td>Forensic Evidence</td>
<td>3 cr</td>
</tr>
<tr>
<td>359</td>
<td>Law and Society</td>
<td>3 cr</td>
</tr>
<tr>
<td>361</td>
<td>Correctional Intervention</td>
<td>3 cr</td>
</tr>
<tr>
<td>362</td>
<td>Community Corrections</td>
<td>3 cr</td>
</tr>
<tr>
<td>363</td>
<td>Corrections</td>
<td>3 cr</td>
</tr>
<tr>
<td>364</td>
<td>Capital Punishment</td>
<td>3 cr</td>
</tr>
<tr>
<td>365</td>
<td>Race, Crime, Law</td>
<td>3 cr</td>
</tr>
<tr>
<td>366</td>
<td>Women, Crime and Criminal Justice</td>
<td>3 cr</td>
</tr>
<tr>
<td>367</td>
<td>Latinos(as) and the Law</td>
<td>3 cr</td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
<td>Credits</td>
</tr>
<tr>
<td>-------------</td>
<td>--------------------------------------------------</td>
<td>---------</td>
</tr>
<tr>
<td>368</td>
<td>Victimology</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>371</td>
<td>The Criminal Mind</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>372</td>
<td>Violence</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>374</td>
<td>Crime &amp; Human Rights</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>375</td>
<td>Criminal Court Process</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>380</td>
<td>Criminal Law</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>385</td>
<td>Media, Crime and Criminal Justice</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>387</td>
<td>Terrorism and Security</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>388</td>
<td>Comparative and International Criminal Justice Systems</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>391</td>
<td>The Criminal Justice Profession</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>490</td>
<td>Special Topics in Criminal Justice</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>492</td>
<td>Criminal Justice Research Seminar</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
494 **Criminal Justice Internship** 3-6 cr
*Prereq: Junior standing, degree GPA of 2.25, criminal justice major, departmental permission required. Freq: Fall, Spring, Summer.*
Field experience designed to further the student’s integration of theory and practice in a professional setting. Potential placements include federal, state, county and municipal criminal justice or administrative law agencies or nonprofit residential treatment facilities. Limited enrollment. (Only 3 credits of the 6 credits can be used to fulfill the criminal justice upper-level elective credit.)

499 **Independent Study** 1-4 cr
*Prereq: Criminal justice major; junior standing, and consent of instructor. Freq: Fall, Spring.*
Independent work on specific problems in criminal justice under faculty supervision. Eligible areas of study include topics that are not explored sufficiently in the existing curriculum.
ECONOMICS
UW-PARKSIDE 2017-19 CATALOG
Molinaro 248 • 262-595-2314

College:
Business, Economics, and Computing

Degree and Programs Offered:
Bachelor of Arts
Major - Economics
Minor – Economics
Major Concentrations – Monetary and Financial Economics, Quantitative Economics

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, 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. 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. In addition to core principles and theory courses, the Economics Department teaches 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.

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.
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.

Program Level 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).
   Outcomes/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).
   Outcomes/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).
   Outcomes/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).
   Outcomes/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 (33-38 credits)
The Economics Department offers three courses of study in the economics major: the general major; the monetary and financial economics concentration in the major; and the quantitative concentration in the major. Economics majors must attain a minimum cumulative GPA of 2.25 in courses for the major. Transfer students must attain a minimum cumulative GPA of 2.25 in transfer courses applied to the major in addition to UW-Parkside courses for the major. Courses in introductory accounting and computer skills are recommended.

A. Required Core Courses (15 credits)
The economics core courses provide students with a solid foundation in both macroeconomics and microeconomics and an introduction to basic quantitative techniques. The following courses, or their equivalents, are required of all students.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 120</td>
<td>Principles of Microeconomics</td>
<td>3 cr</td>
</tr>
<tr>
<td>ECON 121</td>
<td>Principles of Macroeconomics</td>
<td>3 cr</td>
</tr>
<tr>
<td>ECON 320</td>
<td>Intermediate Micro Theory</td>
<td>3 cr</td>
</tr>
<tr>
<td>ECON 321</td>
<td>Intermediate Macro Theory</td>
<td>3 cr</td>
</tr>
<tr>
<td>QM 210</td>
<td>Business Statistics I</td>
<td>3 cr</td>
</tr>
</tbody>
</table>
Completing both ECON 320 and 321 before taking most 300 and 400 level courses is strongly recommended. Students who receive a B or better in ECON 101 and then declare an economics major after taking ECON 101 may petition to substitute ECON 101 for ECON 121. Transfer students who major in economics must earn at least 3 credits in intermediate theory (ECON 320, 321, or 412) at UW-Parkside.

B. Completion Options (18-23 credits)
Choose one option:

1. **General Economics Major (18 credits)**
   The general major is intended for students who seek a broad experience in economics and do not expect to study economics in graduate school.
   
   **Elective Economics Courses (18 credits)**
   - 300- or 400-level economics courses 12 cr
   - 200-level or above economics courses 6 cr

2. **Monetary and Financial Economics Concentration (21 credits)**
   The monetary and financial economics concentration is designed for students who are interested in professional positions in the financial and banking sectors.
   
   a. **Additional Required Courses (18 credits)**
      - ACCT 201 Financial Accounting 3 cr
      - ECON 366 Money and Banking 3 cr
      - ECON 367 Financial Institutions and Markets 3 cr
      - ECON 409 Econometrics 3 cr
      - ECON 411 International Monetary Economics 3 cr
      - FIN 330 Managerial Finance 3 cr
   
   b. **Elective Course (3 credits)**
      Choose one course:
      - ECON 360 Industrial Organization and Public Policy 3 cr
      - FIN 335 Investments 3 cr
      - FIN 431 Advanced Managerial Finance 3 cr

3. **Quantitative Concentration (23 credits)**
   The quantitative concentration is strongly recommended for students who expect to study economics in graduate school or seek a career using quantitative methods.
   
   a. **Additional Required Courses (11 credits)**
      - ECON 409 Econometrics 3 cr
      - ECON 412 Managerial Economics 3 cr
      - MATH 221 Calculus and Analytic Geometry I 5 cr
   
   b. **Elective Economics Courses (12 credits)**
      - 300- or 400-level economics courses 9 cr
      - 200-level or above economics course 3 cr

   Additional courses in mathematics are strongly recommended. Consult your economics adviser regarding recommended courses.

Requirements for the Economics Minor (18 credits)
The economics minor is intended for students who wish to develop a core 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.
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.

A. Required Courses (9 credits)

ECON 120 Principles of Microeconomics 3 cr
ECON 121 Principles of Macroeconomics 3 cr

Choose one theory course:
ECON 320 Intermediate Micro Theory 3 cr
ECON 321 Intermediate Macro Theory 3 cr

B. Elective Economics Courses (9 credits):

300- or 400-level economics courses 6 cr
200-level or above economics course 3 cr

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.

Courses in Economics (ECON)

101 The American Economy 3 cr
Prereq: None. Freq: Fall, Spring, Summer.
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.

120 Principles of Microeconomics 3 cr
Prereq: MATH 111 with a grade of C- or better. Freq: Fall, Spring, Summer.
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.

121 Principles of Macroeconomics 3 cr
Prereq: MATH 111 with a grade of C- or better. Freq: Fall, Spring, Summer.
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.

260 Industrial Organization and Public Policy 3 cr
Prereq: ECON 120. Freq: Fall.
Investigates patterns of market structure and business strategies, analyzes policies regarding collusive behavior and monopolization, and discusses current regulatory issues. Offered simultaneously with ECON360. Cannot receive credit for both ECON 260 and ECON 360.

280 Comparative Economic Systems 3 cr
Prereq: ECON 101, 120, or 121. Freq: Occasionally.
Compares and explores different present day economic systems in terms of their principles of operations, economic functions, and relevant social conditions and objectives.

290 Special Topics in Economics 1-3 cr
Prereq: ECON 101, 120, or 121; or consent of instructor. Freq: Occasionally.
Examines economic issues, problems, and events of current interest. Subject matter varies. May be repeated with different topic.

300 Environmental Economics 3 cr
Prereq: ECON 120. Freq: Spring (odd years).
Examines the relationships between economic behavior and environmental quality and analyzes environmental policies in terms of social benefits and costs, incentives, and economic efficiency.

301 Economic Issues of South Asia 3 cr
Prereq: ECON 101, 120, or 121; or consent of instructor. Freq: Occasionally.
Examines the recent economic development history of South Asia—primarily Bangladesh, India, Pakistan, and Sri Lanka with a detailed focus on India. Studies macroeconomic performance, poverty reduction, human capital development, and related issues within the context of democratization in this region.
304 Economics of Urban Problems  
*Prereq: ECON 101 or 120. Freq: Occasionally.*  
Applies tools of economic analysis to selected urban problems including housing, urban renewal and development, transportation, pollution, poverty, crime, and the financing of urban services.

305 Economics of Sports  
*Prereq: ECON 120; or consent of instructor. Freq: Spring (odd years).*  
Examines economic issues in professional sports such as labor relations, player salaries, ticket prices, franchise values, competitive balance, stadium financing, and market structure.

308 Economic Development  
*Prereq: ECON 120, 121. Freq: Occasionally.*  
Studies economic problems and prospects of developing nations, including theories, methods, and practices of economic development and sustainable development.

310 International Trade  
*Prereq: ECON 120. Freq: Occasionally.*  
Examines theories of international trade, government policy toward international trade, and international trading arrangements and institutions. Crosslisted with INTS 310/ECON 510.

320 Intermediate Micro Theory  
*Prereq: ECON 120, 121. Freq: Fall.*  
Develops and applies theories of consumption, production, market structures, general equilibrium, and welfare economics.

321 Intermediate Macro Theory  
*Prereq: ECON 120, 121. Freq: Spring.*  
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.

325 American Economic History  
*Prereq: ECON 101 or 120; or consent of instructor. Freq: Occasionally.*  
Discusses the growth of the American economy from colonial times to the present.

330 The Economics of Gender  
*Prereq: ECON 101 or 120. Freq: Occasionally.*  
Investigates feminist approaches to economic theory, gender differentials in the labor market, and women in the global economy.

360 Industrial Organization and Public Policy  
*Prereq: ECON 120. Freq: Fall.*  
Investigates patterns of market structure and business strategies, analyzes policies regarding collusive behavior and monopolization, and discusses current regulatory issues. A research paper is required. Offered simultaneously with ECON 260. Cannot receive credit for both ECON 260 and ECON 360.

366 Money and Banking  
*Prereq: ECON 120, 121. Freq: Fall.*  
Analyzes the role of money, money creation, the operation of central and commercial banks, monetary policy, and international monetary systems. Crosslisted with ECON 566.

367 Financial Institutions and Markets  
*Prereq: ECON 120, 121. Freq: Spring.*  
Examines financial institutions, money and capital markets, sources and uses of funds, the determination of market yields, asymmetric information, and risk. Crosslisted with ECON 567.

380 The Labor Market  
*Prereq: ECON 120. Freq: Spring (even years).*  
Analyzes the economic and social forces determining labor supply and demand, unemployment, labor mobility, human capital, discrimination by race and gender, and earnings inequality.

405 Public Economics  
*Prereq: ECON 320 or consent of instructor. Freq: Occasionally.*  
Examines theories of public goods and externalities, public choice, benefit-cost analysis, and taxation. Analyzes tax and expenditure policies, government social insurance and redistribution programs, and mechanisms to remedy market failures.

409 Econometrics  
*Prereq: ECON 120, 121, and QM 210 or consent of instructor; ECON 320 or 321 recommended. Freq: Fall.*  
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 heteroskedasticity. Crosslisted with ECON 609.
411 International Monetary Economics 3 cr
Prereq: ECON 121; ECON 321 recommended. Freq: Occasionally.
Examines foreign exchange markets, international monetary arrangements and investments, theories of balance of payments and exchange rates, open economy macroeconomics. Cross-listed with INTS 411/ECON 611.

412 Managerial Economics 3 cr
Prereq: ECON 320, QM 210, MATH 221; or consent of instructor. Freq: Spring (even years).
Develops and applies microeconomic models and quantitative and optimizing techniques to business decisions involving demand, production, cost, market structures, and pricing strategies. Cross-listed with ECON 612.

490 Special Topics in Economics 1-3 cr
Prereq: ECON 101, 120, or 121; or consent of instructor. Freq: Occasionally.
Examines selected topics in economics. Subject matter varies. May be repeated with different topic.

492 Research Experience in Economics 1-3 cr
Prereq: Senior standing, 3.00 GPA, economics major with 21 ECON credits, and consent of instructor. Freq: Spring, Summer, Fall.
Provides a supervised learning experience assisting in faculty research. No more than 3 credits may be applied toward economics major.

494 Economics Internship 1-3 cr
Prereq: 2.5 GPA, consent of instructor, and department chair. Freq: Fall, Spring, Summer.
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.

499 Independent Study 1-3 cr
Prereq: Consent of instructor and department chair. Freq: Fall, Spring, Summer.
Available to qualified students under supervision of individual instructor. Topics must be mutually agreed upon by student and professor.

Graduate Courses
The 500 and 600-level courses listed below are intended only for students enrolled in the UW-Parkside Master of Business Administration program.

510 International Trade 3 cr
Prereq: ECON 120. Freq: Occasionally.
Examines theories of international trade, government policy toward international trade, and international trading arrangements and institutions. Requires a research project. Not open to students with credit in ECON 310/INTS 310.

566 Money and Banking 3 cr
Prereq: ECON 120, 121. Freq: Occasionally.
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 366.

567 Financial Institutions and Markets 3 cr
Prereq: ECON 120, 121. Freq: Spring.
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.

609 Econometrics 3 cr
Prereq: ECON 120, 121, and QM 210 or MBA 511 or consent of instructor; ECON 320 or 321 recommended. Freq: Fall.
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 heteroskedasticity. Requires a research project. Not open to students with credit in ECON 409.

611 International Monetary Economics 3 cr
Prereq: ECON 121; ECON 321 recommended. Freq: Occasionally.
Examines foreign exchange markets, international monetary arrangements and investments, theories of balance of payments and exchange rates, open economy macroeconomics. Requires a research project. Not open to students with credit in ECON 411/INTS 411.

612 Managerial Economics 3 cr
Prereq: ECON 121, 320, QM 210 or MBA 511; or consent of instructor. Freq: Spring (even years).
Develops and applies microeconomic models and quantitative and optimizing techniques to business decisions involving demand, production, cost, market structures, and pricing strategies. Requires a research project that involves the collection and analysis of economic data. Not open to students with credit in ECON 412.

690 Special Topics in Economics 1-3 cr
Prereq: ECON 120 and 121; or consent of instructor. Freq: Occasionally.
Examines selected topics in economics. Subject matter varies. May be repeated with different topics.
ENGLISH
UW-PARKSIDE 2017-19 CATALOG
RITA/CART 235 • 262-595-2139

College
Arts and Humanities

Degree and Programs Offered:
Bachelor of Arts
Major - English

Minors – English, English Language Arts for Elementary Education, English Language Arts for Secondary Education

Certificates - Creative Writing, Film Studies, Professional Writing and Communication

Student Organizations/Clubs:
A chapter of Sigma Tau Delta, a national English honor society.
Straylight Literary Magazine  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.

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 education, helping them acquire a broad view of human experience, a critical approach to cultural traditions, and more complete self-understanding.

Offering a solid grounding in literature and communication skills, the English major not only prepares students for further graduate or professional study or literary careers, but also offers the opportunity to explore the traditions of British and American literature in depth. Certificates in 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. 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.

Program Level Goals
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.

Learning Outcomes for Program Level Goals

Writing Goal:
1. Students can write texts informed by specific (as is appropriate for the discipline and course contexts) rhetorical strategies.
2. 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.
3. Students can revise for content and edit for grammatical and stylistic clarity.

Critical Reading and Analysis Goal:
1. 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).
2. Students can evaluate the aesthetic and/or ethical value of texts.
3. 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.

History and Theory Goal:
1. 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
2. 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).
3. 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.

Research Goal:
1. Students can identify and formulate questions for productive inquiry.
2. Students can evaluate sources for credibility, bias, quality of evidence, and quality of reasoning.
3. Students use citation methods and structures appropriate to their field of study.

Collaborative Learning Goal:
1. Students can effectively peer review.
2. Students can engage in thoughtful and critical debate.
3. Students can produce quality collaborate projects.

Requirements for Admission into the English Major
Applicants must have at least a 2.0 GPA.

Preparation for Graduate School
Students considering graduate study in English are urged to consult their advisers 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). To explore this possibility, students should consult their advisers.
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 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.

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.

Requirements for the English Major (40 credits)
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 advisers before declaring their major and during its completion to fulfill their program of study most expeditiously and comfortably.

A. Introduction to Literature (3 credits)
   ENGL 167 Introduction to Literature 3 cr

B. Literature of Diversity (3 credits)
   ENGL 267 Literature of Diversity 3 cr

C. Literary Theory (3 credits)
   ENGL 266 Literary Analysis 3 cr

D. Grammar and Language (3 credits)
   Choose one course:
   ENGL 287 Grammar for Teachers and Writers 3 cr
   ENGL 380 History of the English Language 3 cr
   ENGL 387 Linguistics 3 cr

E. Shakespeare (3 credits)
   ENGL 320 Shakespeare 3 cr

F. Classical and World Literature (3 credits)
   Choose one course:
   ENGL 346 Pre-1800 World Literature 3 cr
   ENGL 347 Post-1800 World Literature 3 cr
   ENGL 364 Epic and Mythology 3 cr
   ENGL 368 The Bible as Literature 3 cr

G. British Surveys (6 credits) – Only one British survey course will be offered every semester.
   Choose two courses:
   ENGL 316 British Literature to 1500 3 cr
   ENGL 317 British Literature, 1500-1700 3 cr
   ENGL 318 British Literature, 1700-1900 3 cr
   ENGL 319 Modern and Contemporary British Literature 3 cr
H. American Surveys (6 credits) - Only one American survey course will be offered every semester.
Choose two courses:

- ENGL 326 Pre-Columbian Literature 3 cr
- ENGL 327 Puritan and Colonial American Literature 3 cr
- ENGL 328 19th Century American Literature 3 cr
- ENGL 329 20th – 21st Century American Literature 3 cr

I. 400-Level Literature Courses (6 credits)
Choose two courses:

- ENGL 416 Major British Authors 3 cr
- ENGL 417 Studies in British Literature 3 cr
- ENGL 420 Advanced Shakespeare 3 cr
- ENGL 426 Major American Authors 3 cr
- ENGL 427 Studies in American Literature 3 cr
- ENGL 436 Major Modern and Contemporary Authors 3 cr
- ENGL 437 Studies in Modern and Contemporary Literature 3 cr
- ENGL 447 Studies in Classical and World Literature 3 cr
- ENGL 451 Studies in Literature or Culture 3 cr
- ENGL 458 Studies in Film 3 cr
- ENGL 460 Literature and Other Disciplines 3 cr
- ENGL 464 Studies in Cultural Trends 3 cr
- ENGL 468 Holocaust Studies 3 cr
- ENGL 469 Women as Writers and Characters 3 cr

J. Senior Seminar (3 credits)
ENGL 495 Seminar in Literature 3 cr

K. Portfolio Workshop (1 credit)
ENGL 477 Portfolio Workshop English 1 cr

Requirements for the English Major with the Language Arts Concentration (43 credits)
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

A. Introduction to Literature (3 credits)
ENGL 167 Introduction to Literature 3 cr

B. Literature of Diversity (3 credits)
ENGL 267 Literature of Diversity 3 cr

C. Literary Theory (3 credits)
ENGL 266 Literary Analysis 3 cr

D. Grammar (3 credits)
ENGL 287 Grammar for Teachers and Writers 3 cr

E. Language and Linguistics (3 credits)
Choose one course:
- ENGL 380 History of the English Language 3 cr
- ENGL 387 Linguistics 3 cr

F. Shakespeare (3 credits)
ENGL 320 Shakespeare 3 cr
G. Classical and World Literature (3 credits)
Choose one course:
ENGL 364 Epic and Mythology 3 cr
ENGL 346 Pre-1800 World Literature 3 cr
ENGL 347 Post-1800 World Literature 3 cr
ENGL 368 The Bible as Literature 3 cr

H. Children’s or Young Adult Literature (3 credits)
Choose one course:
ENGL 344 Children’s Literature 3 cr
ENGL 354 Young Adult Literature 3 cr

I. British Survey (3 credits)
Only one British survey course will be offered every semester.
Choose one course:
ENGL 316 British Literature to 1500 3 cr
ENGL 317 British Literature, 1500-1700 3 cr
ENGL 318 British Literature, 1700-1900 3 cr
ENGL 319 Modern and Contemporary British Literature 3 cr

J. American Survey (3 credits)
Only one American survey course will be offered every semester
Choose one course:
ENGL 326 Pre-Columbian Literature 3 cr
ENGL 327 Puritan and Colonial American Literature 3 cr
ENGL 328 19th Century American Literature 3 cr
ENGL 329 20th – 21st Century American Literature 3 cr

K. Upper-Division Writing Course (3 credits)
Choose one course:
ENGL 306 Advanced Poetry Writing 3 cr
ENGL 307 Advanced Fiction Writing 3 cr
ENGL 310 Advanced Expository Writing 3 cr
ENGL 402 Advanced Technical Writing 3 cr
ENGL 403 Advanced Business Writing 3 cr
ENGL 404 Non-Fiction Writing 3 cr

L. 400-level Literature Course (3 credits)
Choose one course:
ENGL 416 Major British Authors 3 cr
ENGL 417 Studies in British Literature 3 cr
ENGL 420 Advanced Shakespeare 3 cr
ENGL 426 Major American Authors 3 cr
ENGL 427 Studies in American Literature 3 cr
ENGL 436 Major Modern and Contemporary Authors 3 cr
ENGL 437 Studies in Modern and Contemporary Literature 3 cr
ENGL 447 Studies in Classical and World Literature 3 cr
ENGL 451 Studies in Literature or Culture 3 cr
ENGL 458 Studies in Film 3 cr
ENGL 460 Literature and Other Disciplines 3 cr
ENGL 464 Studies in Cultural Trends 3 cr
ENGL 468 Holocaust Studies 3 cr
ENGL 469 Women as Writers and Characters 3 cr
M. Teaching Composition (3 credits)
   ENGL 489 Teaching and Assessing Composition 3 cr

N. Teaching Critical Reading & Literature (3 credits)
   ENGL 488 Teaching English Language Arts 3 cr

O. Portfolio Workshop (1 credit)
   ENGL 478 Portfolio Workshop
   English Language Arts 1 cr

Requirements for the English Minor (21 credits)
A. Introduction to Literature (3 credits)
   ENGL 167 Introduction to Literature 3 cr

B. Literary Theory (3 credits)
   ENGL 266 Literary Analysis 3 cr

C. Shakespeare (3 credits)
   ENGL 320 Shakespeare 3 cr

D. One 200-level Writing Course (3 credits)
   Choose one course:
   ENGL 201 Advanced Composition 3 cr
   ENGL 202 Technical Writing 3 cr
   ENGL 204 Writing for Business and Industry 3 cr
   ENGL 206 Creative Writing – Poetry 3 cr
   ENGL 207 Creative Writing – Fiction 3 cr

E. Three Upper-Division English Courses (9 credits)
   One course (3 credits) must be at the 400-level

Requirements for the English Language Arts for Elementary Education Minor (21 credits)
A. Introduction to Literature (3 credits)
   ENGL 167 Introduction to Literature 3 cr

B. Creative Writing (3 credits)
   ENGL 106 Introduction to Creative Writing 3 cr

C. Literary Theory (3 credits)
   ENGL 266 Literary Analysis 3 cr

D. Literature of Diversity (3 credits)
   ENGL 267 Literature of Diversity 3 cr

E. Classic Texts (3 credits)
   Choose one:
   ENGL 320 Shakespeare 3 cr
   ENGL 364 Epic and Mythology 3 cr

F. Children’s Literature
   ENGL 344 Children’s Literature 3 cr

G. Teaching and Assessing Composition
   ENGL 489 Teaching and Assessing Composition 3 cr
Requirements for the English Language Arts for Secondary Education Minor (21 credits)

A. Introduction to Literature (3 credits)
   ENGL 167 Introduction to Literature 3 cr

B. Literary Theory (3 credits)
   ENGL 266 Literary Analysis 3 cr

C. Multicultural Literature (3 credits)
   ENGL 267 Literature of Diversity 3 cr

D. Young Adult Literature (3 credits)
   ENGL 354 Young Adult Literature 3 cr

E. Classic Texts (6 credits)
   Required (3 credits)
   ENGL 320 Shakespeare 3 cr
   Choose one (3 credits)
   ENGL 316 British Literature to 1500 3 cr
   ENGL 317 British Literature, 1500-1700 3 cr
   ENGL 318 British Literature, 1700-1900 3 cr
   ENGL 319 Modern and Contemporary British Literature 3 cr
   ENGL 327 Puritan and Colonial American Literature 3 cr
   ENGL 328 19th Century American Literature 3 cr
   ENGL 329 20th – 21st Century American Literature 3 cr
   ENGL 346 Pre-1800 World Literature 3 cr
   ENGL 347 Post-1800 World Literature 3 cr

F. Teaching Critical Reading and Literature
   ENGL 488 Teaching English Language Arts 3 cr

G. Teaching and Assessing Composition
   ENGL 489 Teaching and Assessing Composition 3 cr

Strongly Recommended:
   ENGL 287 Grammar for Teachers and Writers 3 cr

Requirements for the Creative Writing Certificate (18 credits)

A. Introduction to Creative Writing (3 credits)
   ENGL 106 Introduction to Creative Writing 3 cr

B. Creative Writing – Poetry (3 credits)
   ENGL 206 Creative Writing – Poetry 3 cr

C. Creative Writing – Fiction (3 credits)
   ENGL 207 Creative Writing – Fiction 3 cr

D. Upper-division Requirements (3 credits)
   Choose one course:
   ENGL 306 Advanced Poetry Writing 3 cr
   ENGL 307 Advanced Fiction Writing 3 cr
   ENGL 310 Advanced Expository Writing 3 cr

E. Creative Writing Capstone Project (3 credits)
   ENGL 408 Creative Writing Capstone Project 3 cr
Requirements for the Film Studies Certificate (15 credits)
Offered through the English Department and Humanities Program, the film studies certificate allows students to obtain an interdisciplinary concentration in film studies. All students awarded the film studies certificate must demonstrate a comprehensive understanding of the history of film across numerous cultures, genres, and movements, as well as the major features of film study and analysis. Students must maintain a GPA of 3.0 or higher in all film certificate course.

A. Required Courses (9 credits)
   - ENGL 252/ HUMA 252 Introduction to Film 3 cr
   - ENGL 258 History of Film to 1950 3 cr
   - ENGL 259 History of Film from 1950 3 cr

B. Elective Courses (6 credits)
Choose two courses:
   - ENGL 290 Special Topics in English (film or film studies) 3 cr
   - ENGL 358 Film Genres 3 cr
   - ENGL 458 Studies in Film 3 cr
   - ENGL 490 Special Topics in English (film or film studies) 3 cr
   - ENGL 495 Seminar in Literature (film or film studies) 3 cr
   - ENGL 497 Senior Thesis (film or film studies) 3 cr
   - ENGL 499 Independent Study (film or film studies) 3 cr

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 English Department office.

Requirements for the Professional Writing and Communication Certificate (22 credits)

A. Introduction to Professional Writing (3 credits)
   - ENGL 168 Introduction to Professional Writing 3 cr

B. Introduction to Digital Arts (3 credits)
   - ART 104 Introduction to Digital Art 3 cr

C. Grammar (3 credits)
   - ENGL 287 Grammar for Teachers and Writers 3 cr

D. Lower-level Professional Writing Courses (3 credits)
Choose one course:
   - ENGL 202 Technical Writing 3 cr
   - ENGL 204 Writing for Business and Industry 3 cr
   - COMM 322 Public Relations Concepts and Practices 3 cr

E. Special Electives and Upper-division Requirements (6 credits)
Choose two courses:
   - ART 274 Typography I 3 cr
   - ENGL 310 Advanced Expository Writing 3 cr
   - ENGL 385 Professional Editing 3 cr
   - ENGL 402 Advanced Technical Writing 3 cr

F. Internship (3 credits) *
   - ENGL 494 Internship in Writing and Editing 3 cr

* This internship must be approved by the Director of the Professional Writing and Communication
Certificate to ensure that it aligns with the principles of the certificate as established through the certificate curriculum.

G. Portfolio Workshop (1 credit)
ENGL 479  Portfolio Workshop Professional Writing  1 cr

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 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.

Students whose placement examinations indicate that they need more preparation before taking ENGL 101 are required to complete ENGL 100 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 Adviser to coordinate the major and teacher education curriculum. It is very important to contact the IPED adviser at 262-595-2180 or Molinaro D111 as soon as possible. Students are required to seek advising each semester from both the IPED Adviser 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.

Courses in English (ENGL)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>100</td>
<td>Fundamentals of English</td>
<td>3 cr</td>
</tr>
<tr>
<td>Prereq: None. Freq: Fall, Spring.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Introduces student 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.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>101</td>
<td>Composition and Reading</td>
<td>3 cr</td>
</tr>
<tr>
<td>Prereq: Placement score or grade of C or better in ENGL 100. Freq: Fall, Spring.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Develops college-level competencies in writing and reading in a variety of subject and thematic contexts, with an emphasis on argumentation. Satisfies skills requirements in reading and writing. Lab fee required.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>106</td>
<td>Introduction to Creative Writing</td>
<td>3 cr</td>
</tr>
<tr>
<td>Prereq: ENGL 101. Freq: Occasionally.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Examines the techniques and practice of creative writing.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>112</td>
<td>Women in Literature</td>
<td>3 cr</td>
</tr>
<tr>
<td>Prereq: None. Freq: Fall, Spring.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>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.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>167</td>
<td>Introduction to Literature</td>
<td>3-4 cr</td>
</tr>
<tr>
<td>Prereq: ENGL 100 or consent of instructor. Freq: Fall, Spring, Summer, Winterim.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>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 and a higher level of literary analysis.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
168 Introduction to Professional Writing 3 cr
Prereq: ENGL 100 with a grade of C- or better. Freq: Fall.
Introduces principles of professional writing including rhetorical principles and theoretical concepts for technical writers.

201 Advanced Composition 3 cr
Prereq: ENGL 101 with a grade of C- or better. Freq: Fall, Spring.
Advanced study and practice in English composition with emphasis on exposition.

202 Technical Writing 3 cr
Prereq: ENGL 101 with a grade of C- or better. Freq: Yearly.
Writing instruction with an emphasis on presenting written and oral reports and interpreting technical writing.

204 Writing for Business and Industry 3 cr
Prereq: ENGL 101 with a grade of C- or better. Freq: Fall, Spring.
Examines the structure, style, and format of composition as related to professional settings. Includes the writing of short forms (memoranda, correspondence) and reports that solve problems and require research and analysis.

206 Creative Writing – Poetry 3 cr
Prereq: ENGL 101 with a grade of C- or better. Freq: Fall.
Examines the techniques and practice of writing poetry.

207 Creative Writing – Fiction 3 cr
Prereq: ENGL 101 with a grade of C- or better. Freq: Fall.
Examines the techniques and practice of fiction writing.

252 Introduction to Film 3 cr
Prereq: None. Freq: Yearly.
Investigates the distinctive elements and techniques of film as art and the relationship of film to society. Cross-listed with HUMA 252.

253 Literature into Film 3 cr
Prereq: ENGL 100. Freq: Fall, Spring, Summer.
Examines film adaptations 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 adaptation. May be repeated for credit with different topic.

258 History of Film to 1950 3 cr
Prereq: None. Freq: Fall.
Examines the development of film techniques, visual qualities, genre, theory and cinematic art from the silent era to around 1950.

259 History of Film from 1950 3 cr
Prereq: None. Freq: Spring.
Examines the development of film techniques, visual qualities, genre, theory and cinematic art from around 1950 to the present.

266 Literary Analysis 3 cr
Prereq: ENGL 101 with a grade of C- or better, ENGL 167. Freq: Fall, Spring.
Introduces literary theory and literary research practices, requiring close interaction with primary literary sources. Emphasizes original critical analysis and advanced writing skills. English majors should take this course early in their major program.

267 Literature of Diversity 3 cr
Prereq: ENGL 101 with a grade of C- or better. Freq: Fall, Spring.
Surveys 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.

268 Introduction to Holocaust Studies 3 cr
Prereq: ENGL101 with grade of C- or better or consent of instructor. Freq: Occasionally.
Examines historical, philosophical and other issues surrounding the Holocaust, using texts by those who experienced the Holocaust. Cross-listed with HIST 268/INTS 268.

287 Grammar for Teachers and Writers 3 cr
Prereq: ENGL 266 or declared psychology major. Freq: Yearly.
Studies English grammar, emphasizing concepts and terms used in teaching and writing.

290 Special Topics in English 3 cr
Prereq: ENGL 101 with a grade of C- or better, or consent of instructor. Freq: Occasionally.
Examines special topics in English. May be repeated for credit with different topic.
306  Advanced Poetry Writing  
Prereq: ENGL 101 with a grade of C- or better. Freq: Yearly.
Advanced workshop in the techniques and practice of poetry writing.

307  Advanced Fiction Writing  
Prereq: ENGL 101 with a grade of C- or better. Freq: Yearly.
Advanced workshop in the techniques and practice of fiction writing.

310  Advanced Expository Writing  
Prereq: ENGL 101, 287; or consent of instructor. Freq: Fall, Spring.
Advanced study and practice in English composition with emphasis on more complex projects in expository writing.

315  Topics in Literature and Culture  
Prereq: ENGL 167 or consent of instructor. Freq: Fall, Spring.
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 topics.

316  British Literature to 1500  
Prereq: ENGL 167, 266; or consent of instructor. Freq: Fall (odd years).
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.

317  British Literature, 1500-1700  
Prereq: ENGL 167, 266; or consent of instructor. Freq: Spring (even years).
Examines a diversity of authorial voices, both men and women, in poetry, prose, and drama written between 1500-1700 in early modern Britain.

318  British Literature, 1700-1900  
Prereq: ENGL 167, 266; or consent of instructor. Freq: Fall (even years).
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.

319  Modern and Contemporary British Literature  
Prereq: ENGL 167, 266; or consent of instructor. Freq: Spring (odd years).
Examines fiction, poetry, nonfiction prose, and drama, written by a diversity of authorial voices, both men and women, and developments in the 20th and 21st Centuries.

320  Shakespeare  
Prereq: ENGL 167, 266; or consent of instructor; or THEA 150. Freq: Fall, Spring.
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.

326  Pre-Columbian Literature  
Prereq: ENGL 167, 266; or consent of instructor. Freq: Fall (odd years).
Addresses narratives arising from the pre-Columbian cultures of the Americas. Focuses on specific 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.

327  Puritan and Colonial American Literature  
Prereq: ENGL 167, 266; or consent of instructor. Freq: Spring (even years).
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.

328  19th Century American Literature  
Prereq: ENGL 167, 266; or consent of instructor. Freq: Fall (even years).
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.

329  20th and 21st Century American Literature  
Prereq: ENGL 167, 266; or consent of instructor. Freq: Spring (odd years).
Examines fiction, poetry, nonfiction-prose, and drama, written by a diversity of American authorial voices, including both men and women, and developments in the 20th and 21st Centuries.

344  Children’s Literature  
Prereq: ENGL 167, 266; or consent of instructor. Freq: Occasionally.
Investigates historical and contemporary middle-grade children’s literature, both as a cultural phenomenon and an educational resource.
346 Pre-1800 World Literature 3 cr
Prereq: ENGL 167, 266; or consent of instructor. Freq: Fall.
Explores selected pre-1800 global literary and cultural texts, which may include ancient, medieval and Renaissance texts. Also 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.

347 Post-1800 World Literature 3 cr
Prereq: ENGL 167, 266; or consent of instructor. Freq: Spring.
Explores selected global literary and cultural texts produced after 1800. Also 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.

351 Puritan and Colonial American Literature 3 cr
Prereq: ENGL 167, 266; or consent of instructor. Freq: Spring (even years).
Delves into Puritan and Colonial literature 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 non-fiction prose.

354 Young Adult Literature 3 cr
Prereq: ENGL 167, 266; or consent of instructor. Freq: Yearly.
Explores representative young adult literature, including genres like fantasy, science fiction, historical fiction, and realistic fiction. Selections may include graphic novels or poetry.

358 Film Genres 3 cr
Prereq: ENGL 252, 258 or 259; or consent of instructor. Freq: Occasionally.
Studies film genres such as film noir, the western, the war movie, science fiction, comedy, the detective film, etc. May be repeated for credit with different topic.

364 Epic and Mythology 3 cr
Prereq: ENGL 266 or consent of instructor. Freq: Yearly.
Studies major epics, with a primary focus on Greek and Roman mythology and tradition, but may include other major epics from the Western tradition.

366 Theory of Literature and Criticism 3 cr
Prereq: ENGL 266. Freq: Occasionally.
Investigates the nature of literature, the basis of literary criticism, and different critical schools at an advanced level. May be repeated for credit with different topic.

368 The Bible as Literature 3 cr
Prereq: ENGL 167, 266; or consent of instructor. Freq: Occasionally.
Explores the literary and cultural background, qualities, and influence of the Jewish and Christian scriptures.

380 History of the English Language 3 cr
Prereq: ENGL 266. Freq: Yearly.
Examines historical shifts in the English language, including phonology, morphology, syntax, lexicon, and semantics.

385 Professional Editing 3 cr
Prereq: ENGL 101 with a grade of C- or better. Freq: Spring.
Explores principles and practical applications of copymarking, copyediting, and comprehensive editing.

387 Linguistics 3 cr
Prereq: ENGL 266. Freq: Occasionally.
Explores major areas in the study of language, including phonology, syntax, semantics, historical, comparative linguistics and socio-linguistics.

390 Special Topics in English 1-4 cr
Prereq: ENGL 167, 266; or consent of instructor. Freq: Occasionally.
Examines selected topics in English. May be repeated for credit with different topic.

402 Advanced Technical Writing 3 cr
Prereq: ENGL 202 or 204; or consent of instructor. Freq: Yearly.
Emphasizes writing and editing skills needed to prepare a project such as a procedures manual, report of experimental findings or proposals.

403 Advanced Business Writing 3 cr
Prereq: ENGL 202 or 204; or consent of instructor. Freq: Occasionally.
Continues the study of business writing and communication.
404  **Non-Fiction Writing**  3 cr  
*Prereq: ENGL 201, 204; or consent of instructor. Freq: Yearly.*  
Explores writing feature-length articles, historical accounts, reviews, opinion pieces, advanced essays. Employs various professional writing styles.

408  **Creative Writing Capstone Project**  3 cr  
*Prereq: Two of the following: ENGL 306, 307, or 310. Freq: Yearly.*  
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.

416  **Major British Authors**  1-4 cr  
*Prereq: ENGL 167, 266; or consent of instructor. Freq: Occasionally.*  
Studies one or more major British authors. May be repeated for credit with different topic.

417  **Studies in British Literature**  1-4 cr  
*Prereq: ENGL 167, 266; or consent of instructor. Freq: Occasionally.*  
Examines specific topics, issues, or time periods in British Literature. May be repeated for credit with different topic.

420  **Advanced Shakespeare**  3 cr  
*Prereq: ENGL 266. Freq: Occasionally.*  
Examines Shakespearean genres (tragedy, history, comedy, romance), dramaturgy, and themes as well as related topics such as Shakespeare and film adaptation at the advanced level.

426  **Major American Authors**  3 cr  
*Prereq: ENGL 167, 266; or consent of instructor. Freq: Occasionally.*  
Explores one or more major American authors at the advanced level. May be repeated for credit with different topic.

427  **Studies in American Literature**  3 cr  
*Prereq: ENGL 167, 266; or consent of instructor. Freq: Occasionally.*  
Examines specific topics, issues, or time periods in American literature. May be repeated for credit with different topic.

436  **Major Modern and Contemporary Authors**  3 cr  
*Prereq: ENGL 167, 266; or consent of instructor. Freq: Occasionally.*  
Delves into one or more major contemporary authors at an advanced level. May be repeated for credit with different topic.

437  **Studies in Modern and Contemporary Literature**  3 cr  
*Prereq: ENGL 167, 266; or consent of instructor. Freq: Occasionally.*  
Examines such topics as the hero in modern literature, innovations in 20th century drama or experiments in literary form. May be repeated for credit with different topic.

447  **Studies in Classical and World Literature**  3 cr  
*Prereq: ENGL 266. Freq: Occasionally.*  
Examines a specific culture, author, or theme in Classical or other world literatures. May be repeated for credit with different topic.

451  **Studies in Literature or Culture**  3 cr  
*Prereq: ENGL 167, 266; or consent of instructor. Freq: Fall, Spring.*  
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.

458  **Studies in Film**  3 cr  
*Prereq: None. Freq: Occasionally.*  
Examines movements, techniques, theories, national cinemas, genres, directors, or periods. May be repeated for credit with different topic.

460  **Literature and Other Disciplines**  1-6 cr  
*Prereq: ENGL 167, 266; or consent of instructor. Freq: Occasionally.*  
Investigates the relation of literature to disciplines such as science, sociology, psychology, music, or philosophy. May be repeated for credit with different topic.

464  **Studies in Cultural Trends**  1-6 cr  
*Prereq: ENGL 167, 266; or consent of Instructor. Freq: Occasionally.*  
Examines the intersection of literature and cultural trends. Includes graphic novels, steampunk, and the gothic. May be repeated for credit with different topic.

468  **Holocaust Studies**  3 cr  
*Prereq: ENGL 266; and 167 or a 200-level survey; or consent of instructor. Freq: Occasionally.*  
Intensive study of 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/HUMA 468.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites</th>
<th>Frequency</th>
</tr>
</thead>
<tbody>
<tr>
<td>469</td>
<td>Women as Writers and Characters</td>
<td>1-6 cr</td>
<td>ENGL 167, 266 Freq: Occasionally.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Examines writing by women and depictions of women in literature. May be repeated for credit with different topic. Cross-listed with WGSS 469.</td>
<td></td>
</tr>
<tr>
<td>477</td>
<td>Portfolio Workshop English</td>
<td>1 cr</td>
<td>ENGL 266, senior standing Freq: Fall, Spring.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Required capstone portfolio. Includes reflective writing and metacognition, workshopping, revision, and mastery of department outcomes.</td>
<td></td>
</tr>
<tr>
<td>478</td>
<td>Portfolio Workshop English Language Arts</td>
<td>1 cr</td>
<td>ENGL 266, senior standing, Freq: Fall, Spring.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Required capstone portfolio. Includes reflective writing and metacognition, workshopping, revision, and mastery of department outcomes.</td>
<td></td>
</tr>
<tr>
<td>479</td>
<td>Portfolio Workshop Professional Writing</td>
<td>1 cr</td>
<td>ENGL 101 with a C- or better Freq: Fall, Spring.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Required capstone portfolio. Includes reflective writing and metacognition, workshopping, revision, and mastery of the professional writing certificate outcomes</td>
<td></td>
</tr>
<tr>
<td>487</td>
<td>Studies in Language</td>
<td>1-6 cr</td>
<td>ENGL 187 or consent of instructor Freq: Occasionally.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>An examination of such topics as language in American culture, regional dialects, semantics, etc. May be repeated for credit with different topic.</td>
<td></td>
</tr>
<tr>
<td>488</td>
<td>Teaching English Language Arts</td>
<td>3 cr</td>
<td>ENGL 167, 266 Freq: Yearly.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Explores balanced literacy methods and materials for integrating reading, writing, speaking, listening, viewing, and critical thinking activities into a language arts program for adolescents.</td>
<td></td>
</tr>
<tr>
<td>489</td>
<td>Teaching and Assessing Composition</td>
<td>3 cr</td>
<td>ENGL 266, senior standing, Freq: Yearly.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Explores methods and materials for the teaching and assessment of composition.</td>
<td></td>
</tr>
<tr>
<td>490</td>
<td>Special Topics in English</td>
<td>3 cr</td>
<td>ENGL 167, 266 Freq: Occasionally.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Examines cultural trends or topics in English literature at the advanced level. May be repeated for credit with different topic.</td>
<td></td>
</tr>
<tr>
<td>493</td>
<td>Internship in Teaching Literature</td>
<td>1-6 cr</td>
<td>ENGL 266, consent of instructor Freq: Occasionally.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Offers an internship experience with an instructor teaching in a literature course. Students will create a portfolio.</td>
<td></td>
</tr>
<tr>
<td>494</td>
<td>Internship in Writing and Editing</td>
<td>1-6 cr</td>
<td>Consent of instructor and department chair Freq: Fall, Spring.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>495</td>
<td>Seminar in Literature</td>
<td>3 cr</td>
<td>ENGL 266 or consent of instructor Freq: Fall, Spring.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Serves as the capstone class for the major and includes discussion of career preparation. Requires intensive research and writing. May be repeated for credit with different topic.</td>
<td></td>
</tr>
<tr>
<td>496</td>
<td>Internship in Teaching/Tutoring</td>
<td>3 cr</td>
<td>ENGL 489 or consent of instructor and department chair Freq: Fall, Spring.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>497</td>
<td>Senior Thesis</td>
<td>3 cr</td>
<td>Consent of instructor and English Department Executive Committee Freq: Occasionally.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Conduct independent research and write an essay of substantial length under faculty supervision. Agreement of faculty member to undertake supervision is necessary before registration.</td>
<td></td>
</tr>
<tr>
<td>499</td>
<td>Independent Study</td>
<td>1-6 cr</td>
<td>Consent of instructor and English Department Executive Committee Freq: Occasionally.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Conduct independent research and write an essay of substantial length under faculty supervision. Agreement of faculty member to undertake supervision is necessary before registration.</td>
<td></td>
</tr>
</tbody>
</table>
ENVIRONMENTAL STUDIES
UW-PARKSIDE 2017-19 CATALOG
Greenquist 302 • 262-595-2327

College:
Natural and Health Sciences

Degree and Programs Offered:
Bachelor of Science
Major - Environmental Studies
Minor - Environmental Studies

Major Concentrations: Environmental Biology, Environmental Chemistry, Environmental Geography, Environmental Geology, Environmental Policy and Society, General Environmental Studies

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.

Program-Level Outcomes
Upon successful completion of the environmental studies major, students will be able to:

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
(67-72 credits)
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.

A. Core Courses (40 credits)
Required Courses (34 credits):
- ENVS 101 Introduction to Environmental Studies 3 cr
- ENVS 102 Chemistry of the Environment 3 cr
- ENVS 109 Fundamentals of Climate Change 3 cr
- ENVS 201 Laboratory Experiences in Environmental Studies 3 cr
- ENVS 335 Energy 4 cr
- ENVS 336 Environmental Justice 3 cr
- ENVS 495 Environmental Studies Seminar 1 cr
- GEOG 100 Physical Geography and the Environment 4 cr
- GEOG 108 Culture and Environmental Sustainability 3 cr
- MATH 103 Elementary Statistics 3 cr
- PHYS 101 Principles of Physics 4 cr

Choose one course (3 credits):
- ENGL 201 Advanced Composition 3 cr
- ENGL 202 Technical Writing 3 cr
- ENGL 204 Writing for Business and Industry 3 cr

Choose one course (3 credits):
- ANTH 100 Introduction to Anthropology 3 cr
- SOCA 101 Introduction to Sociology 3 cr

B. Required Concentrations (27-32 credits)
Choose one:
1. Environmental Biology Concentration (32 credits)
   Required courses (28 credits):
   - BIOS 101 Bioscience 4 cr
   - BIOS 102 Organismal Biology 4 cr
   - BIOS 210 Biostatistics 4 cr
BIOS 305 Principles of Ecology 4 cr  
BIOS 333 Restoration Ecology 4 cr  
BIOS 336 Conservation Biology 3 cr  
MATH 114 College Algebra II with Trigonometry 5 cr  

Choose one course (4 credits):  
BIOS 313 Invertebrate Zoology 4 cr  
BIOS 318 Vertebrate Zoology 4 cr  
BIOS 324 Botany 4 cr  
BIOS 340 Animal Behavior 4 cr  

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.

2. Environmental Chemistry Concentration (27 credits)  
Required courses (27 credits):  
CHEM 101 General Chemistry I 4 cr  
CHEM 102 General Chemistry II 4 cr  
CHEM 103 General Chemistry I 1 cr  
CHEM 104 General Chemistry II 1 cr  
CHEM 206 Quantitative Analysis 4 cr  
CHEM 230 Introduction to Green Chemistry 2 cr  
CHEM 321 Organic Chemistry I 4 cr  
CHEM 322 Organic Chemistry II 4 cr  
CHEM 323 Organic Chemistry Lab 3 cr  

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.

3. Environmental Geography Concentration (30 credits)  
Required courses (26 credits):  
GEOG 250 Map Use and Analysis 3 cr  
GEOG 326 Biogeography 3 cr  
GEOG 350 Cartography and GIS 3 cr  
GEOG 365 Geography in Land Use Planning 3 cr  
GEOG 382 Soil Ecosystems and Resources 4 cr  
GEOG 384 Landscape Ecology 4 cr  
GEOG 460 Introduction to GIS Analysis 3 cr  
GEOG 465 Advanced GIS Applications 3 cr  

Choose one (4 credits):  
GEOG 324 Landforms and Environmental Processes 4 cr  
GEOG 396 Field Methods in Geography 4 cr  

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.

4. Environmental Geology Concentration (29 credits)  
Required courses (29 credits):  
GEOS 101 Introductory Geology 3 cr  
GEOS 102 Origin and History of Earth 4 cr  
GEOS 104 Introductory Geology Laboratory 2 cr  
GEOS 200 Minerals and Rocks 4 cr  
GEOS 301 Geomorphology 4 cr  
GEOS 330 Environmental Geology 4 cr  
GEOS 420 Glacial Geology 4 cr
GEOS 445 Environmental Sampling, Monitoring, and Assessment 4 cr

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.

5. Environmental Policy and Society Concentration (30 credits)
Required courses (30 credits):
ANTH 200/INTS 210 Cultural Anthropology 3 cr
ECON 120 Principles of Microeconomics 3 cr
ECON 300 Environmental Economics 3 cr
ENGL 460 Literature and Other Disciplines 3 cr
GEOG 308 Conservation of Natural Resources 3 cr
GEOG 365 Geography in Land Use Planning 3 cr
POLS 100 American Politics 3 cr
POLS 302 Environmental Policy 3 cr
SOCA 379 Society and Environment 3 cr
SOCA 382 Environmental Anthropology 3 cr

6. General Environmental Studies Concentration (30 credits)
To complete this concentration, students must complete the following:
   a. 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. *
   b. 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.
   c. Students must complete of at least twelve (12) credits at the 300 level or higher.

*Within the environmental chemistry concentration, CHEM 101/103 and CHEM 102/104 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 not qualify for a minor in the department offering the majority of courses within the concentration. Please consult with your advisor for more information.

Requirements for the Environmental Studies Minor (19 credits)
The environmental studies minor consists of a minimum of 20 credits, of which a minimum of 6 credits must be taken in science and a minimum of 6 credits in liberal arts, chosen from the following courses:

A. Required Course (1 credit)
ENVS 495 Environmental Studies Seminar 1 cr

B. Environmental Survey (3 credits)
Choose one:
BIOS 104 Environmental Science: A Biological Approach* 3 cr
ENVS 101 Introduction to Environmental Studies 3 cr
ENVS 102 Chemistry of the Environment 3 cr
GEOG 308 Conservation of Natural Resources 3 cr

* Biological sciences majors should take BIOS 305 Principles of Ecology, not BIOS 104.
C. Environmental Policy (3 credits)
  Choose one:
  ECON 300  Environmental Economics  3 cr
  POLS 302  Environmental Policy  3 cr
  SOCA 379  Society and Environment  3 cr

D. Elective Courses (12 credits)
  Twelve elective credits taken outside one’s major field (except for a possible 3-credit independent study which may be taken within the major) selected from the list below or from ENVS 495 and core courses beyond those used to meet requirements A and B.
  • BIOS 102, 202 or 303, 305, 313, 318, 324, 330
  • ECON 120, 320
  • ENGL 202
  • ENVS 290, 335, 336, 390, 490, 499
  • GEOG 108, 306, 323, 324, 326, 382, 384, 365, 396
  • GEOS 106, 108, 320, 361, 440, 445, 465, 470
  • PHIL 220
  • POLS 202, 250
  • SOCA 482
  Some of these courses have prerequisites; see an environmental studies adviser to plan your program of studies.
  Independent study for 3 credits may be taken under supervision of a member of the environmental studies faculty. An independent study within the student’s major field must be approved by the environmental studies faculty committee.

Recommended Background Courses for the Minor
  Students pursuing an environmental studies minor are encouraged to take as many of the following as possible:
  • CHEM 101, 102
  • ECON 121, 325, 405
  • ENGL 402
  • GEOG 100, 105, 110, 215, 250, 315, 320, 360, 375
  • GEOS 100, 101, 102, 301
  • HIST 101, 102, 120, 128, 313, 324, 341, 346
  • PHIL 101, 206, 320
  • POLS 100, 104, 214, 215, 216, 320, 331, 341, 360, 400
  Statistics is an important tool for environmental studies, and therefore students are urged to take one of the following:
  • BIOS 210
  • GEOG 300
  • MATH 103, 309, 310
  • PSYC 250
  • SOCA 250

Courses in Environmental Studies (ENVS)

101 Introduction to Environmental Studies  3 cr
  Prereq: None. Freq: Fall.
  Examines interactions between earth system processes and human activities: geologic hazards, water quality, pollution, land use, energy, mineral resources. Uses the physical earth to enable student consideration of the settings and values that produce environmental quality.

102 Chemistry of the Environment  3 cr
  Prereq: None. Freq: Spring
  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.
109  **Fundamentals of Climate Change**  
*Prereq: None. Freq: Fall.*  
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.

201  **Laboratory Experiences in Environmental Studies**  
*Prereq: ENVS 102. Freq: Fall.*  
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.

290  **Special Topics in Environmental Studies**  
*Prereq: Consent of instructor. Freq: Occasionally.*  
Special topics in environmental studies will be examined.

335  **Energy**  
*Prereq: MATH 111, PHYS 101; or consent of instructor. Freq: Spring.*  
Discuss various forms of energy and related topics including mechanical energy; chemical energy; fossil fuels; and fuel cells; thermal energy and the laws of thermodynamics; electrical energy; and nuclear energy. Investigates environmental impacts of each type of energy and alternative energy sources. Three-hour lecture and one-hour discussion.

336  **Environmental Justice**  
*Prereq: ENVS 101 or BIOS 104. Freq: Occasionally.*  
Evaluates unsolved questions regarding themes of social inequalities and environmental contamination. Includes topics such as industrial zoning, brownfield development, urban agriculture, air quality and toxic waste processing. Three-hour lecture.

390  **Special Topics in Environmental Studies**  
*Prereq: Consent of instructor. Freq: Occasionally.*  
Special topics in environmental studies will be examined.

490  **Special Topics in Environmental Studies**  
*Prereq: Consent of instructor. Freq: Occasionally.*  
Special topics in environmental studies will be examined.

495  **Environmental Studies Seminar**  
*Prereq: Junior or senior standing. Freq: Spring.*  
Explores major environmental issues from a multidisciplinary perspective. May be repeated for credit with a different topic.

499  **Independent Study**  
*Prereq: Consent of instructor and director. Freq: Fall, Spring, Summer.*  
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.
ETHNIC STUDIES
UW-PARKSIDE 2017-19 CATALOG
RITA/CART 221 • 262-595-2609

College:
College of Arts and Humanities

Program Offered:
Minor - Ethnic Studies

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.

Requirements for the Ethnic Studies Minor (21 credits)
The ethnic studies minor may be combined with any major. It consists of 21 credits, 12 in the core courses, and 9 in the electives. All elective courses listed below are 3 credits each. Special topics courses in ethnic studies (ETHN 290/390/490) are offered from time to time and may be substituted as a general elective with the consent of the director.

A. Required Core Courses (12 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ETHN 201</td>
<td>Introduction to Ethnic Studies</td>
<td>3 cr</td>
</tr>
<tr>
<td>ETHN/SOCA 206</td>
<td>Race and Ethnic Relations in the U.S.</td>
<td>3 cr</td>
</tr>
<tr>
<td>ETHN/COMM 320</td>
<td>Privilege and Power</td>
<td>3 cr</td>
</tr>
<tr>
<td>ETHN 494</td>
<td>Internship</td>
<td>3 cr</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ETHN 499</td>
<td>Independent Study</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

B. Elective Courses Focused on Particular Ethnic Groups (3-6 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ETHN/HIST 333</td>
<td>Contemporary American Immigration</td>
<td>3 cr</td>
</tr>
<tr>
<td>ETHN/MUSI 336</td>
<td>African-American Music</td>
<td>3 cr</td>
</tr>
<tr>
<td>ETHN/HIST 337</td>
<td>African-American History</td>
<td>3 cr</td>
</tr>
<tr>
<td>ETHN/COMM 363</td>
<td>Communication and Ethnicity</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

Focus rotates among African Americans, Asian Americans, Latinas/os, and Native American Indians. May be repeated with different content.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ETHN/SOCA 343</td>
<td>Latinas/os in the United States</td>
<td>3 cr</td>
</tr>
</tbody>
</table>
SOCA 227 North American Indians 3 cr
SOCA 324 African American Studies 3 cr
SOCA 328 Asians in American Society 3 cr

C. General Elective Courses (3-6 credits)
COMM 107 Communication and the Human Condition 3 cr
COMM 463 Gender, Race, Class, and Sexualities in the Media 3 cr
CRMJ / SOCA 365 Race, Crime, Law 3 cr
ENGL 267 Literature of Diversity 3 cr
ETHN/ ENGL 208 Multicultural Theatre in America 3 cr
ETHN/ CRMJ 365 Intercultural Communication 3 cr
GEOG 101 Geography of American Ethnicity and Race 3 cr
HUMA 103 Diversity in the United States 3 cr
SOCA 323 Institutional Racism in America 3 cr
SOCA 325 Comparative Race and Ethnic Relations 3 cr

Additional 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 Center for Ethnic Studies Director Dr. Jonathan Shailor at 262-595-2218.

Courses in Ethnic Studies (ETHN)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ETHN 120</td>
<td>Astronomy of Native America</td>
<td>3 cr</td>
</tr>
<tr>
<td>Prereq: None. Freq: Fall, Spring.</td>
<td>Examine primarily the astronomical views of Native Americans and looks at how myths, science and discrimination intersect. Current cultural conflicts between science and native groups will be examined. Additional examples of the cultural development of astronomy and science will be drawn from the Americas, Africa, Oceania, and Asia. Cross-listed with PHYS 120.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ETHN 201</td>
<td>Introduction to Ethnic Studies</td>
<td>3 cr</td>
</tr>
<tr>
<td>Prereq: Sophomore standing. Freq: Fall.</td>
<td>Key concepts and methodologies of U.S. ethnic studies are examined with particular emphasis on four under-represented groups: Native American Indians, African Americans, Asian Americans, and Latinos/as.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ETHN 206</td>
<td>Race and Ethnic Relations in the U.S.</td>
<td>3 cr</td>
</tr>
<tr>
<td>Prereq: ANTH 100 or SOCA 101. Freq: Fall, Spring, Summer.</td>
<td>Introduces the formation and dynamics of ethnic and race relations in the United States and their social consequences in terms of the categorization of people and the distribution of their opportunities. Cross-listed with SOCA 206.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ETHN 208</td>
<td>Multicultural Theatre in America</td>
<td>3 cr</td>
</tr>
<tr>
<td>Prereq: ENGL 101. Freq: Occasionally.</td>
<td>Examines African American, Asian American, Latina/o American and Native American cultures utilizing 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; additional fees required. Cross-listed with THEA 208.</td>
<td></td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
<td>Credits</td>
</tr>
<tr>
<td>-------------</td>
<td>--------------------------------------------------</td>
<td>---------</td>
</tr>
<tr>
<td>290</td>
<td>Special Topics in Ethnic Studies</td>
<td>1-3 cr</td>
</tr>
<tr>
<td>302</td>
<td>Race/Ethnicity: United State of American 1890 to the Present</td>
<td>3 cr</td>
</tr>
<tr>
<td>315</td>
<td>Diversity Law: Tribal Nations</td>
<td>3 cr</td>
</tr>
<tr>
<td>316</td>
<td>Diversity Law: African Americans</td>
<td>3 cr</td>
</tr>
<tr>
<td>320</td>
<td>Privilege and Power</td>
<td>3 cr</td>
</tr>
<tr>
<td>333</td>
<td>Contemporary American Immigration</td>
<td>3 cr</td>
</tr>
<tr>
<td>336</td>
<td>African-American Music</td>
<td>3 cr</td>
</tr>
<tr>
<td>337</td>
<td>African-American History</td>
<td>3 cr</td>
</tr>
<tr>
<td>338</td>
<td>Music of the Great Migration 1900-1960</td>
<td>3 cr</td>
</tr>
<tr>
<td>339</td>
<td>Music of the Great Migration 1960-1990</td>
<td>3 cr</td>
</tr>
<tr>
<td>343</td>
<td>Latinas/os in the United States</td>
<td>3 cr</td>
</tr>
<tr>
<td>360</td>
<td>Critical Ethnic Studies</td>
<td>3 cr</td>
</tr>
<tr>
<td>363</td>
<td>Communication and Ethnicity</td>
<td>3 cr</td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
<td>Credits</td>
</tr>
<tr>
<td>------------</td>
<td>------------------------------------</td>
<td>---------</td>
</tr>
<tr>
<td>365</td>
<td>Intercultural Communication</td>
<td>3 cr</td>
</tr>
<tr>
<td>390</td>
<td>Special Topics in Ethnic Studies</td>
<td>3 cr</td>
</tr>
<tr>
<td>490</td>
<td>Special Topics in Ethnic Studies</td>
<td>1-3 cr</td>
</tr>
<tr>
<td>494</td>
<td>Internship</td>
<td>1-3 cr</td>
</tr>
<tr>
<td>499</td>
<td>Independent Study</td>
<td>1-5 cr</td>
</tr>
</tbody>
</table>
FLEXIBLE OPTION PROGRAMS

Programs Offered:
Certificate – Project Management

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 project management certificate in the flexible option delivery mode. Details about UW-Parkside Flexible Options certificates and the application and registration processes are available at http://flex.wisconsin.edu.

Policies
Flex option students participating in one of the certificate programs offered by UW Parkside must follow the policies outlined by UW Parkside. Further information about policies is available in the policy section of the undergraduate catalog.

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.

Requirements for the Project Management Certificate
(12 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. 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 at an entrepreneurial firm.

A minimum of a 2.0 cumulative GPA in required courses is required to earn the certificate.

Required Courses (12 credits)
- PMGT 341X Basics of Project Management 3 cr
- PMGT 342X Essential Personal Skills for Project Management 3 cr
- PMGT 441X Advanced Project Management Tools and Techniques 3 cr
- PMGT 442X Project Management Simulation 3 cr
Flexible Option Competency Sets

PROJECT MANAGEMENT (PMGT)

341X Basics of Project Management 3 cr
Prereq: None. Freq: Yearly.
Covers Project Management Body of Knowledge (PMBoK) specified by Project Management Institute (PMI) in detail.
Project management topics include lifecycle, processes, integration, scope, time, cost, human resources, communication, risk and procurement.

Course Competencies:
- Analyze the fundamental concepts of project management in an organizational context.
- Analyze the full project life cycle and appropriate project management processes, process groups, and knowledge areas.
- Create a comprehensive project plan.
- Demonstrate the ability to work in team, manage team members, and interact with stakeholders.
- Plan and monitor project budget and schedule.
- Evaluate project quality and risk using the basic tools of project risk and quality management.
- Identify, develop, and manage project resources.
- Describe and apply processes related to project procurement management.

342X Essential Personal Skills for Project Management 3 cr
Prereq: None. Freq: Yearly.
Provides students with a background in personal skills essential for effective project management, including general intelligence, emotional intelligence, groups and teams, project leadership, stress, ethics, and communication.

Course Competencies:
- Analyze the fundamental concepts of project management in an organizational context.
- Demonstrate the ability to work in team, manage team members, and interact with stakeholders.
- Identify, develop, and manage project resources.
- Articulate the importance of ethical considerations in every aspect of a project’s operations.

441X Advanced Project Management Tools and Techniques 3 cr
Prereq: PMGT 341X. Freq: Yearly.
Covers advanced tools and technologies 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.

Course Competencies:
- Analyze the fundamental concepts of project management in an organizational context.
- Create a comprehensive project plan.
- Demonstrate the ability to work in team, manage team members, and interact with stakeholders.
- Plan and monitor project budget and schedule.
- Evaluate project quality and risk using the basic tools of project risk and quality management.
- Navigate a project’s scope, resource and scheduling constraints.
- Analyze the technical and interpersonal aspects of project execution and control.
- Describe essentials of project auditing and project termination/closing.

442X Project Management Simulation 3 cr
Topics include project scheduling, risk analysis, earned value, and teamwork. 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.

Course Competencies:
- Navigate a project’s scope, resource and scheduling constraints.
- Create a comprehensive project plan.
- Analyze the fundamental concepts of project management in an organizational context.
- Analyze the full project life cycle and appropriate project management processes, process groups, and knowledge areas.
- Evaluate project quality and risk using the basic tools of project risk and quality management.
- Define stakeholder expectations and initiate a project successfully.
- Demonstrate the ability to work in team, manage team members, and interact with stakeholders.
- Plan and monitor project budget and schedule.
- Describe the contextual relationship between the project and the organization that hosts the project.
- Articulate the importance of ethical considerations in every aspect of a project’s operations.
- Describe essentials of project auditing and project termination/closing.
GENERAL EDUCATION PROGRAM
UW-PARKSIDE 2017-19 CATALOG
Greenquist 318 • 262-595-2162

Degree Offered:
None

Program Contact:
Please see the website for the email address and phone number of the current director or contact the associate provost at 262-595-2261.

Program 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 goals serve as university-wide shared learning goals and represent the foundational framework for achievement in the major. In order to support that success, 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 yearly 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. This offering frequency requirement ensures course availability. 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. The general education web site is updated on a regular basis and students are encouraged to check the website to ensure that the course is in good standing in the year they plan to complete it.

The general education distribution requirement is part of the graduation requirements that also include essential skills (reading, writing and mathematics), the ethnic diversity requirement, the foreign language requirement, and in addition to fulfilling the requirements of the desired major, minor and/or certificate programs. Additional information related to these degree requirements is available in the Policies section of the catalog.

Courses in General Education (GNED)

190 Special Topics 1-5 cr
Prereq: Varies by topic. Freq: Occasionally.
Topics of special interest to the process content and assessment of general education. May be repeated for credit with different topic.

191 Special Topics: Humanities and the Arts 1-5 cr
Prereq: Varies by topic. Freq: Occasionally.
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.

193 Special Topics: Social and Behavioral Sciences 1-5 cr
Prereq: Varies by topic. Freq: Occasionally.
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.

195 Special Topics: Natural Science 1-5 cr
Prereq: Varies by topic. Freq: Occasionally.
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.

290 Special Topics 1-3 cr
Prereq: Freshman or sophomore standing. Freq: Occasionally.
Topics of special interest to the process, content and assessment of general education. May be repeated for credit with different topic.

294 Shared Governance Internship 2 cr
Prereq: Sophomore standing. Freq: Fall, Spring.
Research and project-related work associated with the General Education Committee. This course is designed for students without prior internship experience.

494 Shared Governance Internship 2 cr
Prereq: Junior standing, GNED 294; or permission of instructor. Freq: Fall, Spring.
Research and project-related work associated with the General Education Committee. This course is designed for the student who has completed another university-related internship course or similar experience or for work that merits the 400-level designation.
**GENERAL SCIENCE**

**UW-PARKSIDE 2017-19 CATALOG**

Greenquist 344 • 262-595-2744

**College:**
Natural and 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)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>102</td>
<td>Science and Pseudoscience</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td><strong>Prereq:</strong> None. <strong>Freq:</strong> Fall, Spring.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>This course provides a general introduction to</td>
<td></td>
</tr>
<tr>
<td></td>
<td>the meaning and method of true science, which</td>
<td></td>
</tr>
<tr>
<td></td>
<td>will be examined in relation to fringe and</td>
<td></td>
</tr>
<tr>
<td></td>
<td>pseudoscience topics. Three-hour lecture.</td>
<td></td>
</tr>
<tr>
<td>108</td>
<td>Introduction to Bioinformatics and Molecular</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td>Medicine</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Prereq:</strong> None. <strong>Freq:</strong> Occasionally.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Basic understanding of molecular aspects</td>
<td></td>
</tr>
<tr>
<td></td>
<td>regarding health combined with related</td>
<td></td>
</tr>
<tr>
<td></td>
<td>computer programming experience and discussion</td>
<td></td>
</tr>
<tr>
<td></td>
<td>of ethical issues.</td>
<td></td>
</tr>
<tr>
<td>490</td>
<td>Special Topics</td>
<td>1-4 cr</td>
</tr>
<tr>
<td></td>
<td><strong>Prereq:</strong> None. <strong>Freq:</strong> Occasionally.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Selected topics in science will be examined.</td>
<td></td>
</tr>
<tr>
<td>496</td>
<td>Internship</td>
<td>1-3 cr</td>
</tr>
<tr>
<td></td>
<td><strong>Prereq:</strong> Consent of instructor and department</td>
<td></td>
</tr>
<tr>
<td></td>
<td>chair. <strong>Freq:</strong> Fall, Spring, Summer.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Supervised science education experience</td>
<td></td>
</tr>
<tr>
<td></td>
<td>arranged outside of the university setting.</td>
<td></td>
</tr>
<tr>
<td>499</td>
<td>Independent Study</td>
<td>1-3 cr</td>
</tr>
<tr>
<td></td>
<td><strong>Prereq:</strong> Consent of instructor and department</td>
<td></td>
</tr>
<tr>
<td></td>
<td>chair. <strong>Freq:</strong> Fall, Spring, Summer.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Supervised experiences related to science</td>
<td></td>
</tr>
<tr>
<td></td>
<td>education.</td>
<td></td>
</tr>
</tbody>
</table>
GEOGRAPHY and ANTHROPOLOGY

UW-PARKSIDE 2017-19 CATALOG
Molinaro 367 • 262-595-3416

College:
Social Sciences and Professional Studies

Degree and Programs Offered:
Bachelor of Arts

Major – Geography

Minors - Anthropology, Geographic Information Systems, Geography

Certificate - Geographic Information Systems

Concentrations – Anthropology, Applied Environmental Geography, Planning

Student Organizations/Clubs:
Parkside Geography Club
Parkside Anthropological Society

Career Possibilities:
Students who major in geography are well prepared for careers in many fields including environmental analysis and management, geographic information systems (GIS), community development, urban planning, and teaching. In addition, geography is a dynamic liberal arts major which combines cultural perspectives and analytical skills. 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 user design or ethnographic analysis 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 department’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, whether past or present. It is the comparative study of human life and culture, past and present. It is concerned with human biological and cultural adaptations to physical and social environments through time and 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*
- Certificate in Geographic Information Systems

* Students cannot earn both the GIS minor and the certificate in GIS.

The concentration in anthropology focuses primarily on anthropology and has a different set up core courses.

The department also offers a geography minor and an anthropology minor.

Students wanting to combine geography with teaching licensure can pursue a geography major and early adolescence – adolescence (grades 6-12) licensure or broad field social studies licensure with a geography minor for teacher candidates. See the Institute of Professional Educator Development for more information.

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.

**PROGRAM LEVEL OUTCOMES**

1. Knowledge: [global perspective and individual accountability] The goal is to educate students with fundamental geographic and anthropological knowledge and concepts in the major areas of physical geography, human geography, and anthropology, while comprehending the interrelationships between the environment/nature and human activities.

2. Analytical and Technical Skills: [analytical skills; information technology competence] The goal is to train students to utilize a variety of tools: maps, statistics, field methods, geographic information systems, and 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, all using appropriate technologies where available.

3. Synthesize and Communicate: [critical thinking; literacy and oral communication] The goal is for students to develop critical thinking skills to conduct research and solve problems: review literature, collect and analyze data using a variety of methods, and present the results.

**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. Students can gain valuable experience in a variety of real-world settings which increases their skills and adds to their resumes.
Requirements for the Geography Major (40-46 credits)

A. Core Courses (28-29 credits)
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.).

1. Required Core Courses (19 credits)
   GEOG 100 Physical Geography and the Environment 4 cr
   GEOG 110 Intro to Geography-World Regions 3 cr
   GEOG 250 Map Use and Analysis 3 cr
   GEOG 300 Geographic Methods* 3 cr
   GEOG 350 Cartography and GIS 3 cr
   GEOG 495 Senior Seminar 3 cr
   *or approved course in statistics

2. Elective Core Courses (9-10 credits)
   a. Human Geography Elective (3 credits)
      Choose one course:
      GEOG 101 Geography of American Ethnicity and Race 3 cr
      GEOG 105 Contemporary Human Geography 3 cr
      GEOG 108 Culture and Environmental Sustainability 3 cr
   b. Economic Geography Elective (3 credits)
      Choose one course:
      GEOG 215 Economic Geography 3 cr
      GEOG 360 Urban Geography 3 cr
   c. Advanced Physical Geography Elective (3-4 credits)
      Choose one course:
      GEOG 324 Landforms and Environmental Processes 4 cr
      GEOG 326 Biogeography 3 cr
      GEOG 382 Soil Ecosystems and Resources 4 cr
      GEOG 384 Landscape Ecology 4 cr
      GEOG 396 Field Methods in Geography 4 cr

B. Upper-level Major Courses (12-15 credits)
Choose one of the major completion options below:

1. General Geography Major (12 credits)
The general major is designed to provide students a broad background in geography. Choose 12 credits of 300-level and above GEOG courses

2. Concentration in Planning (12-13 credits)
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.
   a. Required Courses (9 credits)
      GEOG 360 Urban Geography 3 cr
      GEOG 365 Geography in Land Use Planning 3 cr
      GEOG 375 Geography of Transportation 3 cr
b. Elective Course (3-4 credits)
Choose one course:
- GEOG 330 Population Geography 3 cr
- GEOG 340 Political Geography 3 cr
- GEOG 384 Landscape Ecology 4 cr
- GEOG 390 Special Topics in Geography* 3 cr
- GEOG 491 Special Topics in GIS* 3 cr
- GEOG 494 Internship in Geography* 3 cr

*NOTE: Must have substantial planning content/project and be approved by the Department.

3. Concentration in Applied Environmental Geography (12-16 credits)
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.

Choose Four Courses (12-16 credits)
- GEOG 306 Natural Disasters and Society 3 cr
- GEOG 308 Conservation of Natural Resources 3 cr
- GEOG 323 Climate Change 3 cr
- GEOG 324 Landforms and Environmental Processes 4 cr
- GEOG 326 Biogeography 3 cr
- GEOG 382 Soil Ecosystems and Resources 4 cr
- GEOG 384 Landscape Ecology 4 cr
- GEOG 396 Field Methods in Geography 4 cr
- GEOG 494 Internship in Geography* 3 cr

*Note that GEOG 494 must be with an approved agency/organization or other suitable site in order to count for this concentration.

4. Concentration in Anthropology (45-46 Credits for major)
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.

a. Required Core Courses (9-10 credits)
- GEOG 100 Physical Geography and the Environment 4 cr
- GEOG 105 Contemporary Human Geography 3 cr
- GEOG 350 Cartography and GIS 3 cr
- GEOG 495 Senior Seminar 3 cr

b. Required Overview Courses (12 credits)
- ANTH 100 Introduction to Anthropology 3 cr
- ANTH 200 Cultural Anthropology 3 cr
- ANTH 201 Introduction to Archaeology 3 cr
- ANTH 202 Human Evolution 3 cr

c. Methods, Theory, and Fieldwork Courses (15 credits)
- SOCA 250 Statistics for the Social Sciences 4 cr

A substitution of an appropriate statistics course for student’s interest may be chosen in consultation with advisor
- SOCA 295 Social Science Research Methods 2 cr
ANTH 300  Topics in Data Collection and Analysis  3 cr
OR
SOCA 300  Topics in Data Collection and Analysis  3 cr
ANTH 302  Anthropological Theory  3 cr
OR
SOCA 301  Introduction to Sociological Theory  3 cr
ANTH 491  Anthropology Fieldwork  3 cr
d.  Regional Ethnographic Elective (3 credits)
Choose one course:
ANTH 227  North American Indians 3 cr
ANTH 228  Peoples of Southeast Asia 3 cr
e.  Elective Courses (6 credits)
Choose two courses:
ANTH 310  Forensic Anthropology 3 cr
ANTH 312  Anthropology of Language 3 cr
ANTH 315  Anthropology of Non-Western Art 3 cr
ANTH 327  Archaeology of North America 3 cr
ANTH 357  Livelihoods, Exchange, and Globalization 3 cr
ANTH 362  Migration and Immigration 3 cr
ANTH 382  Environmental Anthropology 3 cr
ANTH 390  Special Topics in Anthropology 3 cr
ANTH 455  International Development and Change 3 cr
ANTH 490  Special Topics in Anthropology 3 cr
ANTH 494  Internship in Anthropology 1-4 cr
ANTH 499  Independent Study 1-4 cr
GEOG 330  Population Geography 3 cr
GEOG 340  Political Geography 3 cr
GEOG 360  Urban Geography 3 cr
GEOG 455  Remote Sensing 3 cr
SOCA 325  Comparative Race and Ethnic Relations 3 cr
SOCA 328  Asians in American Society 3 cr

Requirements for the Anthropology Minor (21 credits)
The minor in anthropology consists of a minimum of 21 credits, distributed as follows:

A. Required Course (3 credits)
   ANTH 100  Introduction to Anthropology  3 cr

B. Required Overview Courses (9 credits)
   ANTH 200  Cultural Anthropology  3 cr
   ANTH 201  Introduction to Archaeology  3 cr
   ANTH 202  Human Evolution  3 cr
C. Elective Courses (9 credits)
A minimum of 6 credits must be upper-level (300 or 400 level).
Choose courses to reach a minimum of 9 credits:
- ANTH 227 North American Indians 3 cr
- ANTH 228 Peoples of Southeast Asia 3 cr
- ANTH 290 Special Topics in Anthropology 3 cr
- ANTH 300 Topics in Data Collection and Analysis 3 cr
- ANTH 302 Anthropological Theory 3 cr
- ANTH 310 Forensic Anthropology 3 cr
- ANTH 312 Anthropology of Language 3 cr
- ANTH 315 Anthropology of Non-Western Art 3 cr
- ANTH 327 Archaeology of North America 3 cr
- ANTH 357 Livelihoods, Exchange, and Globalization 3 cr
- ANTH 362 Migration and Immigration 3 cr
- ANTH 382 Environmental Anthropology 3 cr
- ANTH 390 Special Topics in Anthropology 3 cr
- ANTH 455 International Development and Change 3 cr
- ANTH 490 Special Topics in Anthropology 3 cr
- ANTH 491 Anthropology Fieldwork 1-3 cr
- ANTH 494 Internship in Anthropology 1-3 cr
- ANTH 499 Independent Study 1-3 cr
- SOCA 300 Topics in Data Collection and Analysis 1-3 cr
- SOCA 328 Asians in American Society 3 cr

Requirements for the Geographic Information Systems (GIS) Minor (18-19 credits)
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.

A. Introductory Course (3-4 credits)
Choose one course:
- GEOG 100 Physical Geography and the Environment 4 cr
- GEOG 105 Contemporary Human Geography 3 cr

B. Required Courses (9 credits)
- GEOG 250 Map Use and Analysis 3 cr
- GEOG 350 Cartography and GIS 3 cr
- GEOG 460 Introduction to GIS Analysis 3 cr

C. Elective Courses (6 credits)
Choose two courses:
- GEOG 396 Field Methods in Geography* 3 cr
- GEOG 455 Remote Sensing 3 cr
- GEOG 465 Advanced GIS Applications 3 cr
- GEOG 491 Special Topics in GIS 3 cr
- GEOG 494 Internship in Geography* 3 cr
- GEOG 499 Independent Study* 3 cr
- ANTH 300 Topics in Data Collection and Analysis* 3 cr
- ANTH 491 Anthropology Fieldwork* 3 cr
*Must have substantial GIS content/project and be approved by the Department.
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 GEOG 455, 460, 465, 491, 494*, or 499* towards the major’s required 12 credits of 300-level and above geography courses.

**Requirements for the Geography Minor (19 credits)**

The following courses or their equivalents are required.

A. **Required Course (4 credits)**
   - GEOG 100  Physical Geography and the Environment  4 cr

B. **Elective 100-level Courses (3 credits)**
   Choose one course:
   - GEOG 101  Geography of American Ethnicity and Race  3 cr
   - GEOG 105  Contemporary Human Geography  3 cr
   - GEOG 108  Culture and Environmental Sustainability  3 cr
   - GEOG 110 Intro to Geography-World Regions  3 cr

C. **Elective 200-level Course (3 credits)**
   Choose one course:
   - GEOG 215  Economic Geography  3 cr
   - GEOG 250  Map Use and Analysis  3 cr

D. **Elective Upper-level Courses (9 credits)**
   Choose 9 credits of 300-level and above GEOG courses.

**Requirements for the Geography for Teachers Minor (19 credits)**

The geography for teachers minor consists of a minimum of 19 credits, distributed as follows:

A. **Required Courses (13 credits)**
   - GEOG 100  Physical Geography and the Environment  4 cr
   - GEOG 215  Economic Geography  3 cr
   - GEOG 250  Map Use and Analysis  3 cr
   - GEOG 315* Geography of Wisconsin  3 cr
   *This course is required of all broad field social studies licensure pathway students.

B. **Elective 100-level Courses (3 credits)**
   Choose one course:
   - GEOG 105  Contemporary Human Geography  3 cr
   - GEOG 108  Culture and Environmental Sustainability  3 cr

C. **Elective 100-level Courses (3 credits)**
   Choose one course:
   - GEOG 306  Natural Disasters and Society  3 cr
   - GEOG 360  Urban Geography  3 cr
Requirements for the Geographic Information Systems Certificate (12 credits)

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.

A. Required Courses (9 credits)

- GEOG 250 Map Use and Analysis 3 cr
- GEOG 350 Cartography and GIS 3 cr
- GEOG 460 Introduction to GIS Analysis 3 cr

B. Elective Course (3 credits)

Choose one course:
- GEOG 455 Remote Sensing 3 cr
- GEOG 465 Advanced GIS Applications 3 cr
- GEOG 491 Special Topics in GIS 3 cr
- ANTH 300 Topics in Data Collection and Analysis* 3 cr
- ANTH 491 Anthropology Fieldwork* 3 cr

*Must have substantial GIS content/project and be approved by the Department.

The GIS certificate requires a 2.25 GPA minimum in the courses for the certificate.
Students cannot earn both the GIS minor and certificate.

Teacher Education Licensure in Geography

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 the geography department and the Institute of Professional Educator Development (IPED).

The requirements for teacher licensure are specific and therefore students must meet with the IPED Adviser to coordinate the major and teacher education curriculum. It is very important to contact the IPED adviser at 262-595-2180 or Molinaro D111 as soon as possible. Students are required to seek advising each semester from both the IPED Adviser and the geography 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

Courses in Geography (GEOG)

Undergraduate Courses

100 Physical Geography and the Environment 4 cr
   Prereq: None. Freq: Fall, Spring, Summer.
   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.

101 Geography of American Ethnicity and Race 3 cr
   Prereq: None. Freq: Fall, Summer.
   American ethnic and racial patterns from a distinctly geographic perspective. Historical forces shaping the geographical patterns of race and ethnicity as well as contemporary issues in ethnic and race relations including immigration.

105 Contemporary Human Geography 3 cr
   Prereq: None. Freq: Spring.
   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.

108 Culture and Environmental Sustainability 3 cr
   Prereq: None. Freq: Fall.
   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.
110 Introduction to Geography-World Regions  3 cr  
Prereq: None. Freq: Fall.  
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.

215 Economic Geography  3 cr  
Prereq: None. Freq: Spring.  
Analysis of the factors which influence the spatial patterns of economic activities and economic variables. The geography of transportation systems, labor supplies, markets, trade, technology, and government regulations. Investigation of how geography affects economic processes and problems. Introductory course in geography recommended.

250 Map Use and Analysis  3 cr  
Prereq: None. Freq: Fall.  
Interpretation, analysis, and function of topographic and thematic maps. Navigation and data collection using GPS. Compass use and orienteering. Map projections and coordinate systems. Measurement and pattern analysis using maps. Air photo interpretation. Hands-on experience using maps and GPS in both the classroom and the field.

290 Special Topics in Geography  1-4 cr  
Prereq: None. Freq: Occasionally.  
Selected topics in geography will be examined.

300 Geographic Methods  3 cr  
Prereq: Junior standing and 9 credits in geography; or consent of instructor. Freq: Fall.  
Introduction to geographic concepts, methods, and procedures. Applications of selected descriptive and inferential statistical methods to geographic problems. Hypothesis testing, correlation, and regression. Analysis of point patterns.

306 Natural Disasters and Society  3 cr  
Prereq: None. Freq: Occasionally.  
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.

308 Conservation of Natural Resources  3 cr  
Prereq: None. Freq: Summer.  
Examination of significant environmental issues. Policies and problems in the use and management of natural resources. Energy alternatives, climate change, water resources issues, endangered species, and others. Selected topics taken from southeastern Wisconsin.

310 Geography of the United States and Canada  3 cr  
Prereq: None. Freq: Occasionally.  
Covers the physical features, resources, people, settlement patterns, historical geography, land utilization and economic development of the United States and Canada. Particular emphasis on environmental issues, economic ties, and political relations.

315 Geography of Wisconsin  3 cr  
Prereq: None. Freq: Occasionally.  
Describes Wisconsin's characteristics and compares the state to the rest of the United States. Explores patterns of history, statewide issues from a geographic perspective.

320 Regional Geography  3 cr  
Prereq: None. Freq: Occasionally.  
Explores the physical and cultural features of a selected region with emphasis on past and present spatial patterns. Included geographic viewpoints on current issues and problems within the region. May be taken for credit each time a different region is studied.

323 Climate Change  3 cr  
Prereq: GEOG 100. Freq: Occasionally.  
Investigates characteristics, processes, distribution, classification and geographical significance of Earth’s climates. Causes and consequences of climate change, especially its impacts on human populations.

324 Landforms and Environmental Processes  4 cr  
Prereq: GEOG 100 or GEOS 100. Freq: Occasionally.  
Examines Earth’s landforms concerning their characteristics, processes, and distribution. 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.

326 Biogeography  3 cr  
Prereq: GEOG 100 or BIOS 100, 102 or 104. Freq: Occasionally.  
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.
330 Population Geography 3 cr
Prereq: A course in geography. Freq: Occasionally.
Geographic factors that influence patterns of human settlement and existence. Examines population distributions and growth as related to environmental and resource issues. Are there too many people on Earth? How do the demographics of the United States compare to other parts of the world? Includes case studies, applications, and methods of analysis.

340 Political Geography 3 cr
Prereq: A course in geography. Freq: Occasionally.
Geographical explanation of the political organization of space and territory. Issues are explored at scales ranging from global to local. Globalization, nationalism, boundary problems, regional conflict, ethnic nationalism, and the local context for planning and policy are stressed.

350 Cartography and GIS 3 cr
Prereq: None. Freq: Spring.
Examines cartographic theory and methods and 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.

360 Urban Geography 3 cr
Prereq: A course in geography. Freq: Fall.
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 practices are introduced to study urban problems like poverty, congestion, crime and infrastructure.

365 Geography in Land Use Planning 3 cr
Prereq: A course in geography. Freq: Spring.
A detailed examination of the forces and factors that shape contemporary land use patterns in the United States. The study of the concepts, theories, and tools of land use planning. How planning leads to more efficient, productive, and pleasant urban and rural environments. Uses selected case studies from southeastern Wisconsin and northern Illinois.

375 Geography of Transportation 3 cr
Prereq: A course in geography. Freq: Occasionally.
The significance of transportation within the modern world. Geographic analysis of transportation systems with emphasis on networks, costs, new technologies, commodity flows, traffic patterns, impacts on development, the different modes, and transportation problems. Transportation planning is included.

382 Soil Ecosystems and Resources 4 cr
Prereq: GEOG 100. Freq: Occasionally.
Understanding of soils as both natural bodies and as managed resources. Students learn how soil science fits into the broader topic of physical geography by exploring 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.

384 Landscape Ecology 3 cr
Prereq: GEOG 100 or 326 or consent of instructor. Freq: Fall.
Focuses on how spatial structure affects ecosystem processes and biodiversity at the landscape level. Concepts include landscape scale, natural disturbances, animal movements, patch dynamics, design of nature reserves, and the wildland-urban interface.

390 Special Topics in Geography 3 cr
Prereq: None. Freq: Occasionally.
Selected topics in geography will be examined.

396 Field Methods in Geography 4 cr
Prereq: Consent of instructor. Freq: Fall.
Application of geographic concepts, scientific inquiry, methods, and tools in a hands-on field setting. Current focus is 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. Additional fees required. Field trips required.

455 Remote Sensing 3 cr
Prereq: GEOG 250 or 350 or consent of instructor. Freq: Occasionally.
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.
### 460 Introduction to GIS Analysis 3 cr
*Prereq: GEOG 250 or 350 or consent of instructor. Freq: Fall.*
Introduction to spatial analysis using GIS technology. Data acquisition, integration, and editing. Spatial analysis of natural and cultural phenomena using both vector and raster data models. Application of GIS technologies to environmental management and urban planning. Field-based data collection using GPS. Focus on local community issues. Individual and group projects.

### 465 Advanced GIS Applications 3 cr
*Prereq: GEOG 460 or consent of instructor. Freq: Spring.*

### 490 Special Topics in Geography 1-3 cr
*Prereq: Consent of instructor. Freq: Occasionally.*
Selected topics in geography will be examined.

### 491 Special Topics in GIS 3 cr
*Prereq: GEOG 350 or consent of instructor. Freq: Occasionally.*
Examines selected topics and applications in Geographic Information Systems.

### 494 Internship in Geography 1-12 cr
*Prereq: Junior standing, geography or related major, 2.75 GPA in geography courses, and consent of instructor. Freq: Fall, Spring, Summer.*
Practical application of geographic concepts, methods, and technologies. By working in planning agencies, GIS departments, environmental organizations, other private or public units, students gain real-world experience. Enrollment dependent on availability of suitable placement. May be repeated for a maximum of 12 credits with up to 6 credits toward the major.

### 495 Senior Seminar 3 cr
*Prereq: Senior standing, geography or related major. Freq: Fall, Spring.*
Capstone course applying knowledge, concepts, and methods of geography. Includes completing a major research project and communicating the results.

### 499 Independent Study 1-3 cr
*Prereq: Junior standing, 2.25 overall GPA, and consent of instructor. Freq: Fall, Spring, Summer.*
Under instructor supervision, individual investigation of a topic related to geography. Maximum of 6 credits may be applied toward the major.

### Graduate Courses

### 596 Field Methods in Geography 4 cr
*Prereq: Consent of instructor. Freq: Fall.*
Extensive application of geographic concepts, scientific inquiry, methods, and tools in a hands-on field setting. Focus is 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. Additional fees required. Field trips required.

### 690 Special Topics in Geography 1-4 cr
*Prereq: None. Freq: Occasionally.*
Advanced study on selected topics in geography.

### Courses in Anthropology (ANTH)

### 100 Introduction to Anthropology 3 cr
*Prereq: None. Freq: Fall, Spring, Summer.*
Introduces the four fields in anthropology: biological anthropology, archaeology, cultural anthropology, and linguistic anthropology as well as an overview of applied anthropology.

### 200 Cultural Anthropology 3 cr
*Prereq: ANTH 100 or GEOG 105 or INTS 100. Freq: Fall.*
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.

### 201 Introduction to Archaeology 3 cr
*Prereq: ANTH 100 or GEOG 100 or GEOG 105. Freq: Spring.*
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.
202 Human Evolution 3 cr
Prereq: ANTH 100 or GEOG 100 or GEOG 105. Freq: Fall.
Analyzes the fossil evidence for human evolution. Explores modern human genetics, evolutionary theory, and biological variation within the human species.

227 North American Indians 3 cr
Prereq: ANTH 100 or SOCA 101. Freq: Fall (even years).
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.

228 Peoples of Southeast Asia 3 cr
Prereq: ANTH 100 or GEOG 105 or INTS 100. Freq: Spring
Introduces the peoples and cultures 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.

290 Special Topics in Anthropology 3 cr
Prereq: ANTH 100. Freq: Occasionally.
Explores special topics in anthropology.

300 Topics in Data Collection and Analysis 3 cr
Prereq: ANTH 100 or SOCA 101. Freq: Fall, Spring, Summer.
Develops skills in specific methods of data collection and analysis in anthropology. Topics will vary. May be repeated with a different topic.

302 Anthropological Theory 3 cr
Prereq: ANTH 100 or SOCA 101; and junior standing. Freq: Spring (even years).
Examines historical and contemporary theories in social and cultural anthropology, application of theories in current research and explanation of people’s cultures and relationships.

310 Forensic Anthropology 3 cr
Prereq: ANTH 202. Freq: Spring (odd years).
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 and lab.

312 Anthropology of Language 3 cr
Prereq: ANTH 100 or 202; or GEOG 105. Freq: Fall (even years).
Introduces concepts of linguistics and communication used in anthropology, including phonetics, historical linguistics, language acquisition, cognition and how meaning is formed through linguistic interactions, and modes of communication in different social settings.

315 Anthropology of Non-Western Art 3 cr
Prereq: ANTH 100 or ART 100 or ART 125. Freq: Occasionally
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 ART 315.

327 Archaeology of North America 3 cr
Prereq: ANTH 100 or 201. Freq: Spring (even years).
Examines evidence for human migration to the New World and subsequent cultural developments in all major regions of North America north of Mexico.

357 Livelihoods, Exchange, and Globalization 3 cr
Prereq: ANTH 100 or GEOG 105 or SOCA 101. Freq: Fall (odd years).
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.

362 Migration and Immigration 3 cr
Prereq: ANTH 100 or SOCA 101. Freq: Spring (even years).
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.

382 Environmental Anthropology 3 cr
Prereq: ANTH 100 or GEOG 105. Freq: Fall (odd years).
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.

390 Special Topics in Anthropology 3 cr
Prereq: ANTH 100. Freq: Occasionally.
Explores special topics in anthropology.
455  **International Development and Change**  3 cr  
Prereq: 6 credits of upper-level ANTH or SOCA courses. Freq: Occasionally. 
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.

490  **Special Topics in Anthropology**  3 cr  
Prereq: ANTH 100, 6 credits of upper-level ANTH. Freq: Occasionally. 
Delves into special topics in anthropology.

491  **Anthropology Fieldwork**  1-10 cr  
Prereq: ANTH 100; consent of instructor and department chair. Freq: Fall, Spring, Summer. 
Provides field research experience with faculty supervision.

494  **Internship in Anthropology**  1-4 cr  
Prereq: ANTH 100, junior standing; consent of instructor and department chair. 
Provides opportunities for community experience emphasizing practical application of anthropology in suitable settings.

499  **Independent Study**  1-4 cr  
Prereq: ANTH 100, junior standing; consent of instructor and department chair. 
Provides opportunity for independent work on specific problems in anthropology under faculty supervision.
GEOSCIENCES
UW-PARKSIDE 2017-19 CATALOG
Greenquist 344C • 262-595-2744

College:
Natural and Health Sciences

Degree and Programs Offered:
Bachelor of Science
Major - Geosciences
Minor – Geosciences

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 advisers 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 assist with the preparation of K-12 teachers in the areas of earth and environmental sciences and broad field science.
3. To promote scientific literacy on the campus and in the community, particularly with respect to principles and issues involving environmental awareness, quality, and protection.
4. To contribute fundamental scientific research that enhances environmental quality and quality-of-life for members of the regional, state, local and campus communities.
5. Contribute to the diversity of the university community by working toward the goals of Plan 2012.

**Requirements for the Geosciences Major (71-76 credits)**

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.

**A. Required Core Courses (26 credits)**

- GEOS 102 Origin and History of the Earth 4 cr
- GEOS 104 Introductory Geology Laboratory 2 cr
- GEOS 200 Minerals and Rocks 4 cr
- GEOS 330 Environmental Geology 4 cr
- GEOS 355 Stratigraphy and Sedimentation 4 cr
- GEOS 445 Environmental Sampling, Monitoring, and Assessment 4 cr
- GEOS 495 Senior Seminar 1 cr
- GEOS 496 Geoscience Applications 3 cr

**B. Concentration Courses (45-50 credits)**

1. **Requirements for Environmental Geosciences Concentration (48-50 credits)**

   - GEOS 101 Introductory Geology 3 cr
   - GEOS 106 Great Lakes Water Resources 3 cr
   - OR
   - ENVS 109 Fundamentals of Climate Change 3 cr
   - GEOS 331 Introduction to Geochemistry 3 cr
   - GEOS 345 Geophysics 3 cr
   - GEOS 361 Hydrogeology 3 cr
   - GEOS 431 Aqueous and Contaminant Geochemistry 4 cr
2. Requirements for the Earth Science Concentration (45 credits)
   a. Required Courses (33 credits)
      GEOS 100  Earth in Perspective  3 cr
      OR
      GEOS 101  Introductory Geology  3 cr
      OR
      ENVS 101  Introduction to Environmental Studies  3 cr
      GEOS 106  Great Lakes Water Resources  3 cr
      ENVS 109  Fundamentals of Climate Change  3 cr
      GEOS 207  Field Methods  2 cr
      GEOS 301  Geomorphology  4 cr
      GEOS 320  Soils, Weathering and Surficial Processes  4 cr
      GEOS 420  Glacial Geology  4 cr
      ENVS 335  Energy  4 cr
      MATH 103  Elementary Statistics  3 cr
      CHEM 100  The World of Chemistry  3 cr
      OR
      ENVS 102  Chemistry of the Environment  3 cr
   
   b. Elective Courses (12 credits)
      Supporting courses must be 300 and above and at least six credits must be geoscience credits.

**Requirements for the Geosciences Minor (19 credits)**

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.

Students must complete a minimum of 19 credits in geosciences as follows:
A. Required Courses (13 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOS 101 Introductory Geology</td>
<td>3 cr</td>
</tr>
<tr>
<td>GEOS 102 Origin and History of the Earth</td>
<td>4 cr</td>
</tr>
<tr>
<td>GEOS 104 Introductory Geology Laboratory</td>
<td>2 cr</td>
</tr>
<tr>
<td>GEOS 200 Minerals and Rocks</td>
<td>4 cr</td>
</tr>
</tbody>
</table>

B. Elective Courses (6 credits)

Six additional geosciences credits; 3 of the 6 credits must be upper level (300/400).

Courses in Geosciences (GEOS)

Undergraduate Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>100 Earth in Perspective</td>
<td>3 cr</td>
</tr>
<tr>
<td>101 Introductory Geology</td>
<td>3 cr</td>
</tr>
<tr>
<td>102 Origin and History of the Earth</td>
<td>3 cr</td>
</tr>
<tr>
<td>104 Introductory Geology Laboratory</td>
<td>2 cr</td>
</tr>
<tr>
<td>105 Oceanography</td>
<td>3 cr</td>
</tr>
<tr>
<td>106 Great Lakes Water Resources</td>
<td>3 cr</td>
</tr>
<tr>
<td>107 National Parklands</td>
<td>3 cr</td>
</tr>
<tr>
<td>108 Dirt Appreciation: Soils for Survival</td>
<td>3 cr</td>
</tr>
<tr>
<td>200 Minerals and Rocks</td>
<td>4 cr</td>
</tr>
<tr>
<td>207 Field Methods</td>
<td>2 cr</td>
</tr>
</tbody>
</table>

Special Topics in Geosciences

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prereq: Consent of instructor. Freq: Occasionally.</td>
<td>1-4 cr</td>
</tr>
</tbody>
</table>
295 Mathematics for Geosciences 3 cr  
*Prereq:* MATH 112 and 113, or MATH 114. *Freq: Winterim.*
Introduces applied differential and integral calculus of single- and multi-variable functions, vector analysis, and differential equations. Provides students with a solid knowledge of applied mathematics in all areas of the physical sciences with emphasis on geosciences.

300 Petrology 3 cr  
*Prereq:* GEOS 102, 200. *Freq: Occasionally.*
Origins of igneous, sedimentary, and metamorphic rocks. Review of hand sample and microscopic description; chemical analysis; nature and origin of magma; phase equilibria; magmatic series and differentiation; deposit and diagenesis of sediments; metamorphism. Field trips. Two-hour lecture; four-hour lab.

301 Geomorphology 4 cr  
*Prereq:* GEOS 102, 200; or consent of instructor. *Freq: Fall (even years).*
Covers analysis and description of landforms; emphasis on genesis, surficial processes, and relation to geologic structure. Includes some regional treatment of landscapes. Required field trips. Three-hour lecture; three-hour lab.

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

310 Structural Geology 3 cr  
*Prereq:* GEOS 102, 200; or consent of instructor. *Freq: Occasionally.*
Formation and description of folds, faults, joints, and foliation; tectonic processes; structures related to intrusive and extrusive igneous rocks; interpretation of geologic maps; field techniques. Field trips. Two-hour lecture; three-hour lab.

320 Soils, Weathering, and Surficial Processes 4 cr  
*Prereq:* GEOS 104, CHEM 101, 103. *Freq: Occasionally.*
Describes soils as natural entities in a process-based context. Covers methods and terminology of soil description and classification. Evaluates the capacity of soils on a quantitative basis. Three-hour lecture; three-hour lab.

330 Environmental Geology 4 cr  
*Prereq:* GEOS 104. *Freq: Spring.*
Application of basic geologic concepts to environmental problems; emphasis on geologic hazards, waste disposal, urban planning, resource policy issues, and environmental trends and programs. Field trips. Three-hour lecture; three-hour lab.

331 Introduction to Geochemistry 3 cr  
*Prereq:* CHEM 102, 104. *Freq: Spring (even years).*
Investigates chemical principles and their application to various geologic environments, chemical weathering, geochemical prospecting, phase equilibria, and geochronology. Required field trip.

345 Geophysics 3 cr  
*Prereq:* GEOS 102, MATH 114; or consent of instructor. *Freq: Spring (odd years).*
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.

355 Stratigraphy and Sedimentation 4 cr  
*Prereq:* GEOS 104, 200; or consent of instructor. *Freq: Spring.*
Explores the sedimentary rock record, correlation, nomenclature, paleotectonics, subsurface techniques, sedimentary processes and environments, recent sediments. Field trips. Three-hour lecture; three-hour lab.

361 Hydrogeology 3 cr  
*Prereq:* GEOS 200; MATH 114 or MATH 112 and 113; or consent of instructor. *Freq: Spring (even years).*
Examines surface water hydrogeology; runoff and stream flow; ground water hydrogeology: distribution of ground water, aquifer properties, local and regional ground water flow, geology of ground water occurrence; aqueous chemistry, and water quality. Field trips. Three-hour lecture.

370 Field Studies in Regional Geology 1-4 cr  
*Prereq:* GEOS 102 and consent of instructor. *Freq: Occasional summers.*
Intensive study of the geology of selected regions. Application of field methods. Based upon a field trip of up to several weeks duration to a selected region. May be repeated for credit. Additional fees required.

390 Special Topics 1-4 cr  
*Prereq:* None. *Freq: Occasionally.*
Selected topics in the geosciences will be examined. May be repeated for credit with different topic.
420 Glacial Geology 4 cr  
Prereq: GEOS 104, 200; or consent of instructor. Freq: Spring (even years).  
Explores regimen and flow of glaciers; glacial erosion and deposition; glacial landforms; Pleistocene history in glaciated and nonglaciated regions; stratigraphy and chronology of Pleistocene deposits in the Midwest and Great Lakes. Required field trips. Three-hour lecture; three-hour lab.

431 Aqueous and Contaminant Geochemistry 4 cr  
Prereq: GEOS 331 or equivalent. Freq: Spring (odd years).  
Solution chemistry; aqueous chemical speciation, organic chemistry; contaminant-sediment interaction; contaminant fate and transport. Field trip. Three-hour lecture; three-hour lab.

440 Contaminants in Terrestrial Systems 3 cr  
Prereq: GEOS 331. Freq: Occasionally.  
Sources, transport, and fate of major environmental contaminants; natural and anthropogenic processes affecting contaminant mobility and bioavailability; cycling of contaminants through terrestrial ecosystems and the vadose zone. Three-hour lecture.

445 Environmental Sampling, Monitoring, and Assessment 4 cr  
Prereq: GEOS 330. Freq: Fall.  
Explains EPA-referenced field and laboratory methods for evaluating contaminant levels in terrestrial and ground water systems. Students learn and practice sampling and monitoring techniques and gain experience with chromatographic and spectroscopic techniques. Three-hour lecture; three-hour lab.

465 Applied Hydrogeology 4 cr  
Prereq: GEOS 361. Freq: Fall (even years).  
Mass transport in vadose and saturated zones; origin and behavior of inorganic and organic contaminants; investigative techniques; ground water models; site remediation; ground water resource development and management; water law. Field trips. Three-hour lecture, three-hour lab.

470 Remediation Science and Technology 3 cr  
Prereq: GEOS 331, 361. Freq: Spring (odd years).  
Investigates methods and techniques for reducing, removing or immobilizing metals and radionuclides, including natural attenuation, in situ stabilization, phyto remediation and bioremediation. Three-hour lecture.

490 Special Topics in Geosciences 1-4 cr  
Prereq: Consent of instructor. Freq: Occasionally.  
Intensive treatment of specialized areas in the geosciences.

495 Senior Seminar 1 cr  
Prereq: Senior standing, GEOS 355. Freq: Spring.  
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. May be repeated for credit.

496 Geoscience Applications 3 cr  
Prereq: Senior standing, GEOS 355; or consent of instructor. Freq: Fall.  
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.

497 Senior Thesis 1-2 cr  
Prereq: Senior standing and consent of instructor. Freq: Fall, Spring.  
Familiarization with the processes of research and scientific writing based upon laboratory, field, and literature study; oral defense of the thesis. Course may be repeated for a maximum of 4 credits.

499 Independent Study 1-3 cr  
Prereq: Consent of instructor and department chair. Freq: Fall, Spring, Summer.  
Allows students to pursue independent field, laboratory, or library research interests under supervision of faculty members. May be repeated with different topics for a maximum 6 credits.

Graduate Courses

570 Field Studies in Regional Geology 1-4 cr  
Prereq: Consent of instructor and department chair. Freq: Occasional summers.  
Intensive study of the geology of selected regions. Application of field methods. Based upon a field trip of up to several weeks duration to a selected region. May be repeated for credit. Additional fees required.

690 Special Topics in Geosciences 1-4 cr  
Prereq: None. Freq: Occasionally.  
Intensive treatment of specialized areas in the geosciences.
College:
Social Sciences and Professional Studies

Program Offered:
Certificate - Gerontology

Certificate in Gerontology:
Gerontology is the study of the process of aging from diverse perspectives. The study of gerontology provides us with an understanding of the biological, psychological, and social influences on people as they age. In addition, the study of gerontology examines the impact of social, political, economic, and health-care policies on the welfare of the elderly.

A certificate in gerontology verifies that a student has taken courses that directly relate to the needs of aging populations and is motivated and prepared to work in this field. The certificate indicates that the student has received college credit for work and that the performance meets the standards of a program offered through the University of Wisconsin-Parkside.

Career Opportunities
As the population of the United States ages, the number of elderly requiring support will increase greatly. Students seeking careers in gerontology will find new opportunities in the public, private, and nonprofit sectors. Entry-level positions are available in programs for the elderly that specialize in housing and long-term residential care, health care, recreation and fitness, and administration of community-based programs that serve older adult populations.

Requirements for Gerontology Certificate (15 credits)
The certificate in gerontology will require the successful completion of 15 credits among the required and elective courses described below. Students must achieve a 2.5 GPA or better in this program to receive a certificate.

A. Required Courses (12 credits)
   - BIOS 109 Biology of Aging (no prerequisite) 3 cr
   - PSYC 241 Psychology of Aging (prerequisite: PSYC 101) 3 cr
   - SOCA 326 Social Gerontology (prerequisite: SOCA 101; junior standing) 3 cr
   - Department Specific Internship in Gerontology* 3 cr

   *Students who already have experience in the field of gerontology may receive credit for an internship through written agreement with a faculty member of this program.

B. Elective Courses (3 credits)
   Choose one course:
   - BIOS 190 Fundamentals in Human Nutrition** 2 cr
   - HESM 340 Aging and Wellness 3 cr
   - SOCA 319 Death and Dying 3 cr
   - SOCA 499 Independent Study 3 cr

   **Students seeking a certificate in gerontology must complete an additional credit of course work. Students may choose a topic of interest to explore in depth as part of a 1-credit independent study. This independent study may be in any of the departments that are part of the Gerontology Certificate Program and must be with the consent of the instructor.
Internships in Gerontology

Students in the gerontology certificate program are required to complete an internship at an area agency that serves the elderly. Such internships are designed to provide experiential learning opportunities as well as introduce students to community expectations with regard to service needs of the elderly. In addition, this is an excellent way of networking with people currently working in this area and learning about possible job opportunities. Internships will be provided through the certificate program, but students who are connected with area aging agencies who wish to complete the internship at a pre-arranged site can do so. Students will receive 3 credits for their participation.
HEALTH, EXERCISE SCIENCE AND SPORT MANAGEMENT

UW-PARKSIDE 2017-19 CATALOG
SAC L150 • 262-595-2308

College:
Natural and Health Sciences

Degrees and Programs Offered:
Bachelor of Science
Majors - Exercise Science, Sport Management
Minors – Coaching, Exercise Science, Sport Management

Student Organizations/Clubs:
Sport Management Club

Department Overview
The Health, Exercise Science and Sport Management (HESM) Department offers bachelor of science degrees in sport management and exercise science. The department also significantly supports the applied health sciences major. (Please see the “Applied Health Sciences” major for more information.)

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.
- A variety of elective courses or concentrations which encourage students to supplement their aforementioned base knowledge 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, exercise science and sport management. These programs are designed to allow a student to supplement an existing major with additional career-specific course work designed to enhance their employment opportunities.

Finally, HESM also offers a master of science degree in sport management and participates in offering an online collaborative master of science degree in health and wellness management offered in conjunction with UW Extension and several UW System campuses. (Please see “Graduate Programs” for more information about these degree programs.)

Career Possibilities
Exercise science majors can find employment within the sport or fitness fields with numerous types of organizations including educational institutions, health and fitness centers, corporate wellness and nonprofit, private or municipal recreation programs. Careers include administration, coaching, marketing/sales, consulting, facility operations, governmental safety positions (police/fire/military), personal training or directing fitness/wellness program development to name a few.

Sport management majors can find employment within the sport or fitness fields with numerous types of organizations including amateur or professional sports organizations/teams, educational institutions, 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 sport including Boys and Girls Clubs, Fond du Lac Dock Spiders, Kenosha Kingfish, Lakeshore Chinooks, Milwaukee Admirals, Milwaukee Brewers, Milwaukee Bucks, MKE Sports and Entertainment and Odessa Jackalopes among many others.
Preparation for Graduate Studies
Undergraduate study in exercise science 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.

Program Level Outcomes for Exercise Science
1. Apply the knowledge of exercise science principles.
   • Analyze and assess human movement in a variety of levels and contexts
   • Develop and execute appropriate fitness assessments and programs for flexibility, strength, endurance, body composition, plyometrics, speed development and conditioning
   • Create scientifically based periodized programs for anaerobic and aerobic exercise
   • Plan, implement and evaluate effective exercise or health-related 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 exercise science
   • Demonstrate effective writing skills regarding a fitness management problem or issue
   • Demonstrate competence with interpersonal communication in a situation related to fitness management/exercise science
   • Demonstrate effective individual and group exercise leadership skills
3. Demonstrate effective critical thinking skills in the area of exercise science.
   • Appropriately apply scientific methods to the field of exercise science
   • Apply evidence-based decision-making in planning safe and effective exercise programming for any population
   • Evaluate information and evidence related to fitness and health practices
4. Act as a socially responsible member of the exercise science/fitness management 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 fitness management
   • Appreciate the need and have the desire to seek the most current knowledge in the field

Requirements for the Exercise Science Major
(75 to 78 credits)
In addition to satisfying the general university requirements, students seeking to graduate with a bachelor of science with a major in exercise science must satisfy the following:

• Complete all requisite course work (75 to 78 credits) for the major; and
• 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; and

A. Required Core Courses (63-66 credits)
   1. Required Anatomy Courses (7 or 10 credits)
      Choose one combination:
      BIOS 105 Human Physiology and Anatomy I 5 cr
      BIOS 106 Human Physiology and Anatomy II 5 cr
      OR
      BIOS 300 Human Functional Anatomy 4 cr
      BIOS 341 Mammalian Physiology 3 cr
   2. Required Physics Course (4 credits)
      PHYS 101 Principles of Physics 4 cr
3. **Required Introductory Health Science Course (3 credits)**
   Choose one:
   - HESM 210 Introduction to Health, Exercise Science and Sport Management 3 cr
   - OR
   - AHS 101 Introduction to Applied Health Sciences 3 cr

4. **Required HESM Courses (49 credits)**
   - HESM 221 Applied Exercise Science 3 cr
   - HESM 270 Lifetime Wellness 3 cr
   - HESM 280 Sport and Fitness Nutrition 3 cr
   - HESM 306 Principles of Motor Learning 3 cr.
   - HESM 345 Prevention and Care of Athletic Injuries 3 cr
   - HESM 353 Biomechanics 4 cr
   - HESM 354 Physiology of Exercise 4 cr
   - HESM 358 Sport and Fitness Psychology 3 cr
   - HESM 410 Fitness Assessment and Prescription 3 cr
   - HESM 411 Exercise Science and Special Populations 3 cr
   - HESM 415 Scientific Principles of Strength and Conditioning 4 cr
   - HESM 430 Fitness Program Management 4 cr
   - HESM 481 Senior Seminar in Exercise Science 3 cr
   - HESM 498* Fieldwork in Exercise Science 6 cr

* The fieldwork requirement can be completed by one of the following options:
  a. **Fieldwork Only Option**
     Six (6) HESM 498 credits with at least three (3) of these HESM 498 credits completed in the student’s last semester of studies.
  b. **Fieldwork/Course Option**
     A minimum of three (3) credits of HESM 498 credits completed in the student’s last semester of studies.
     In addition, students will need to take a pre-approved three (3) credit HESM 300- or 400-level course.

B. **Required Exercise Science Concentrations (12 credits)**
   In addition to completing the core courses within the exercise science major, students must choose and complete one of the following concentrations, based on their area of interest or career pursuits.

1. **Fitness Management (12 credits)**
   Choose four courses:
   - ACCT 201 Financial Accounting 3 cr
   - BUS 100 Introduction to Business 3 cr
   - HESM 300 Legal Issues in Sport Management 3 cr
   - HESM 362 Sports Marketing 3 cr
   - HESM 455 Sport Sales and Customer Service 3 cr

2. **Strength and Conditioning (12 credits)**
   Statistics course (3 credits)
   Choose one:
   - MATH 103 Elementary Statistics 3 cr
   - PSYC 250 Psychological Statistics 3 cr
   Required courses (6 credits):
   - HESM 350 Research Methods in Exercise Science 3 cr
   - HESM 425 Program Design and Exercise Techniques 3 cr
Elective course (3 credits):
One pre-approved HESM 300/400 level course 3 cr

Program Level Outcomes for Sport Management

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 sport 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 (63 credits)
In addition to satisfying the general university requirements, students seeking to graduate with bachelor of science with a major in sport management must satisfy the following:
• Complete all requisite course work (63 credits) for the major; and
• Achieve at least a C in all courses utilized to complete the major (C- is not acceptable); and
• Achieve a minimum 2.50 GPA in all courses utilized to complete the major.

A. Core Courses (42 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 100</td>
<td>Introduction to Business</td>
<td>3 cr</td>
</tr>
<tr>
<td>ENGL 204</td>
<td>Writing for Business and Industry</td>
<td>3 cr</td>
</tr>
<tr>
<td>SPC 105</td>
<td>Public Speaking</td>
<td>3 cr</td>
</tr>
<tr>
<td>HESM 210</td>
<td>Introduction to Health, Exercise Science</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td>and Sport Management</td>
<td></td>
</tr>
<tr>
<td>HESM 220</td>
<td>Applied Sport Management</td>
<td>3 cr</td>
</tr>
<tr>
<td>HESM 282</td>
<td>Ethics and Issues in Sport Management</td>
<td>3 cr</td>
</tr>
<tr>
<td>HESM 300</td>
<td>Legal Issues in Sport Management</td>
<td>3 cr</td>
</tr>
<tr>
<td>HESM 362</td>
<td>Sports Marketing</td>
<td>3 cr</td>
</tr>
<tr>
<td>HESM 420</td>
<td>Sport Business and Finance</td>
<td>3 cr</td>
</tr>
<tr>
<td>HESM 480</td>
<td>Senior Seminar in Sport Management</td>
<td>3 cr</td>
</tr>
<tr>
<td>HESM 495</td>
<td>Fieldwork in Sport Management</td>
<td>12 cr</td>
</tr>
</tbody>
</table>
**B. Elective Courses (21 credits)**

Choose courses from the list below:

- ACCT 201 Financial Accounting 3 cr
- ART 104 Introduction to Digital Art 3 cr
- ECON 305 Economics of Sports 3 cr
- MGT 349 Organizational Behavior 3 cr
- HESM 285 Sport in Society 3 cr
- HESM 289 Special Topics in Sport Management 1-3 cr
- HESM 310 Sports Industry Regulation 3 cr
- HESM 320 The Business of Minor League Baseball 3 cr
- HESM 335 Race, Ethnicity and Baseball in American Society 3 cr
- HESM 339 Sustainable Sport Management 3 cr
- HESM 358 Sport and Fitness Psychology 3 cr
- HESM 360 Sports Communications 3 cr
- HESM 370 Event Management 3 cr
- HESM 380 Facility Development and Management 3 cr
- HESM 389 Special Topics in Sport Management 1-3 cr
- HESM 455 Sport Sales and Customer Service 3 cr
- HESM 456 Athletic Fundraising 3 cr
- HESM 458 Sport Analytics 3 cr
- HESM 489 Special Topics in Sport Management 1-3 cr
- HESM 499 Independent Study 1-4 cr

**Requirements for the Exercise Science Minor (26-29 credits)**

A minor in exercise science allows students to develop knowledge of the basics of the exercise science field including biomechanics and physiology. Students who earn an exercise science major cannot also receive a minor in exercise science. Students who wish to pursue the exercise science minor should utilize MATH 111 to satisfy the university math skill requirement.

To receive the exercise science minor, students must complete the following:

- Complete all required course work (26-29 credits) shown below for the minor; and
- Earn a grade of C- or better in each of the classes utilized to complete the minor; and
- Achieve a minimum overall 2.67 GPA in all courses utilized to complete the minor; and

**A. Choose one Combination of Anatomy Courses (7 or 10 credits)**

- BIOS 105 Human Physiology and Anatomy I 5 cr
- BIOS 106 Human Physiology and Anatomy II 5 cr
- BIOS 300 Human Functional Anatomy 4 cr
- BIOS 341 Mammalian Physiology 3 cr

**B. Elective Course (3 credits)**

Choose one:

- HESM 270 Lifetime Wellness 3 cr
- HESM 280 Sport and Fitness Nutrition 3 cr

**C. Required Courses (16 credits)**

- PHYS 101 Principles of Physics 4 cr
- HESM 353 Biomechanics 4 cr
- HESM 354 Physiology of Exercise 4 cr
- HESM 415 Scientific Principles of Strength and Conditioning 4 cr
Requirements for the Sport Management Minor (18 credits)

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. Students who earn a sport management major cannot also receive a minor in sport management.

To receive the sport management minor, students complete the following:

- Complete all required course work (18 credits) shown below for the minor; and
- Earn a grade of C or better (C- is not acceptable) in each of the classes utilized to complete the minor.
- Achieve a minimum 2.50 GPA in all courses utilized to complete the minor; and

A. Required Courses (12 credits)

- HESM 282 Ethics and Issues in Sport Management 3 cr
- HESM 300 Legal Issues in Sport Management 3 cr
- HESM 362 Sports Marketing 3 cr
- HESM 420 Sport Business and Finance 3 cr

B. Elective Courses (6 credits)

Pre-approved HESM 300- or 400-level course work 6 cr

Requirements for the Coaching Minor (23 credits)

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.

To receive the coaching minor, students complete the following:

- Complete all required course work (23 credits) shown below for the minor; and
- Earn a grade of C or better (C- is not acceptable) in each of the classes utilized to complete the minor.
- Achieve a minimum 2.50 GPA in all courses utilized to complete the minor; and

A. Required Courses (17 credits)

- HESM 201 Community First Aid and Cardiopulmonary Resuscitation 1 cr
- HESM 250 Sport Safety Training for Coaches 3 cr
- OR
- HESM 345 Prevention and Care of Athletic Injuries 3 cr
- HESM 283 Orientation to Coaching 3 cr
- HESM 284 Orientation to Sports Officiating 3 cr
- HESM 301 Sport Conditioning Practice Design 3 cr
- HESM 358 Sport and Fitness Psychology 3 cr
- HESM 493 Coaching Practicum 1 cr

B. Elective Course (3 credits)

Choose one course:

- HESM 280 Sport and Fitness Nutrition 3 cr
- HESM 300 Legal Issues in Sport Management 3 cr
- HESM 306 Principles of Motor Learning 3 cr
- HESM 380 Facility Development and Management 3 cr

C. Required Theory Course (3 credits)

Choose one:

- HESM 248 Coaching Theory of Football, Basketball, and Track and Field 3 cr
- HESM 249 Coaching Theory of Volleyball, Soccer, Baseball and Softball 3 cr
Special Policies
Students who wish to double major in exercise science and sport management may be allowed to reduce the overall number of fieldwork credits required to complete the two majors. Please see a departmental or HESM faculty 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 HESM courses.

Fees may be required for certain HESM courses to cover unique education expenses.

Courses in Health, Exercise Science and Sport Management (HESM)

105 - 190 ACTIVITY COURSES

105 Beginning Swimming 1 cr
Prereq: Non-swimmers only. Freq: Occasionally.
Designed for the non-swimmers or those who cannot swim 25 yards. Swimming basic strokes, basic water skills and water safety skills are taught.

106 Intermediate Swimming 1 cr
Prereq: Able to swim 25 yards using a minimum three basic strokes, or pass HESM 105. Freq: Occasionally.
Designed for the level 3 and level 4 swimmers of average swimming ability. This course will refine current swimming skills, teach new strokes and skills and cover personal water safety skills.

107 Advanced Swimming 1 cr
Prereq: Strong swimming skills, able to swim 25 yards using four different strokes. Freq: Occasionally.
Designed for the level 5 and higher swimmer. Improves upon six basic strokes, increase efficiency and endurance.

108 Water Fitness and Conditioning 1 cr
Prereq: None. Freq: Occasionally.
Provides fitness, fun and safety for all levels and abilities as an alternative to the traditional land-based exercise programs. Activities in both shallow and deep water using floatation. Includes cardiovascular conditioning, strengthening and toning using various water exercises and activities.

110 Scuba Diving 1 cr
Prereq: None. Freq: Occasionally.
The fundamentals of scuba diving including diving equipment and techniques. Successful completion of the course qualifies students for check-out dives and final scuba diver certification. This course is taught under the auspices of the Professional Association of Diving Instructors (PADI). Extra fees required.

112 Swim for Fitness 1 cr
Prereq: Ability to swim a minimum of 100 yards using any stroke; or consent of instructor. Freq: Occasionally.
Improve cardiovascular fitness through swimming. Additional swimming outside of class is required. Not appropriate for weak or non-swimmers. May be repeated for a maximum of 4 credits.

113 Badminton 1 cr
Prereq: None. Freq: Occasionally.
Introduction to basic skills, rules, proper court position and conditioning.

115 Baseball 1 cr
Prereq: None. Freq: Occasionally.
Introduction to fundamental skills and the elements of position play.

116 Football 1 cr
Prereq: None. Freq: Occasionally.
Provides experience in fundamentals of football and team play.

117 Basketball 1 cr
Prereq: None. Freq: Occasionally.
Practical experience in fundamentals and team play.

118 Volleyball 1 cr
Prereq: None. Freq: Occasionally.
Covers fundamentals of volleyball technique, elements of attack and defense, rules interpretation, game strategy, officiating and skill testing.
119 Track and Field
Prereq: None. Freq: Occasionally.
Covers fundamentals of track and field events.

120 Soccer
Prereq: None. Freq: Occasionally.
Practices basic principles of soccer skills, team play and game situations.

121 Softball
Prereq: None. Freq: Occasionally.
Covers fundamentals of softball, position play and emphasizing offensive and defensive team play.

130 Relaxation
Prereq: None. Freq: Occasionally.
The purpose of this course is to provide the student with the necessary knowledge and the ability to recognize stressors and their effects on one’s life, as well as the implementation of various relaxation techniques. Relaxation techniques including deep breathing, meditation, imagery and progressive relaxation are among those covered in the course.

131 Pilates and Fitness Yoga
Prereq: None. Freq: Occasionally.
Pilates is a type of movement system that uses a series of floor exercises to increase strength, flexibility, balance, stamina, and concentration while focusing on your center or core. Fitness Yoga is a program for a more powerful defined physique using traditional yoga asanas geared toward the athlete and fitness enthusiast.

133 Weight Training
Prereq: None. Freq: Occasionally.
Introduces elementary weight training and general program of the basic lifts, the muscle groups affected by these lifts, and procedures of safety factors and theory of weight training.

134 Kettlebell Conditioning
Prereq: None. Freq: Occasionally.
Introduces vigorous physical conditioning primarily utilizing kettlebells. Emphasizes exercises to enhance muscular strength, power, endurance, and agility.

137 Aerobic Walking
Prereq: None. Freq: Occasionally.
Introduces and develops proper aerobic walking techniques and benefits of walking. May be repeated for a maximum of 4 credits.

138 Jogging for Fun & Fitness
Prereq: None. Freq: Occasionally.
Teaches students proper running techniques, how to set up a personal fitness plan, how to assess one’s cardiovascular fitness, and safety issues related to running. May be repeated for a maximum of 4 credits.

139 Disc Golf
Prereq: None. Freq: Occasionally.
To provide the student with the knowledge and skills needed to play disc golf. Students will also learn rules necessary to play at a competitive level.

141 Golf
Prereq: None. Freq: Occasionally.
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.

143 Step Aerobics
Prereq: None. Freq: Occasionally.
Introduces basic step aerobics fundamentals and medium impact levels of cardiovascular development.

148 Total Body Conditioning
Prereq: None. Freq: Occasionally.
Provides an upbeat muscular endurance session using dumbbells, resistance bands, steps, exercise balls, and a yoga mat focusing on the major muscle groups. Focuses on physiological strength, balance, and flexibility.

149 Aerobics
Prereq: None. Freq: Occasionally.
Focuses on aerobic dance, exercise theory and techniques.

156 Self-Defense
Prereq: None. Freq: Occasionally.
Emphasizes simple, but effective techniques to survive an aggressive situation.
157 Karate I 1 cr 
Prereq: None. Freq: Occasionally.
Fundamentals of basic karate techniques. Emphasis placed on proper overall organization of hand and foot techniques, stances, posture, and physical principles of power.

158 Karate II 1 cr 
Prereq: HESM 157 or consent of instructor. Freq: Occasionally.
Intermediate study in the art of self-defense. Introduction to defense against an actual assailant and concentrated study of prearranged formal exercises.

159 Karate III 1 cr 
Prereq: HESM 158 or consent of instructor. Freq: Occasionally.
Advanced study in the art of self-defense. Instruction in defense against attacks with a weapon and multiple assailants. Combined physical psychological principles of power.

163 Yoga I 1 cr 
Prereq: None. Freq: Occasionally.
A study of the various yoga disciplines. Emphasis on the total health of a person through the discipline.

164 Yoga II 1 cr 
Prereq: HESM 163 or consent of instructor. Freq: Occasionally.
Lecture and instruction in fundamental yoga philosophy and in the physical exercises (asanas) as they involve both psychological and physiological processes. Students will gain a deeper understanding and appreciation of the principles of relaxation to enhance their well-being.

171 Fitness for Life 1 cr 
Prereq: HESM 270. Freq: Fall, Spring, Summer.
Implement your own fitness program utilizing the Wellness and Strength/Conditioning Centers on campus. Participants complete an organized fitness pre-assessment during the first week of class and a post-assessment during the last week of class with credit given for individual workouts throughout the semester. May be repeated for a maximum of 4 credits.

183 Cross Training 1 cr 
Prereq: None. Freq: Occasionally.
Develops power and quickness for the athlete who participates in serious recreational leagues and amateur sports competition, combining plyometrics, agility, and speed training.

190 Special Topics 1 cr 
Prereq: None. Freq: Occasionally.
Selected activity courses will be examined.

201 Community First Aid and Cardio Pulmonary Resuscitation 1 cr 
Prereq: None. Freq: Occasionally.
To train responders to recognize and care for non-life-threatening emergencies and life-threatening respiratory or cardiac emergencies in adults, children and infants. Certifications include Standard First Aid and Adult, Children and Infant Cardio-Pulmonary Resuscitation and Automated External Defibrillation (CPR/AED).

202 Advanced First Aid and Emergency Response 3 cr 
Prereq: None. Freq: Occasionally.
Provides knowledge and skills necessary to help sustain life, reduce pain and minimize the consequences of injury or sudden illness until help arrives. Students receive American Red Cross certification in adult CPR/AED and first aid. Additional fees.

203 Lifeguard Training 2 cr 
Prereq: Ability to swim 500 yards continuously using the front crawl and breast stroke. Freq: Occasionally.
Develops lifeguard skills and knowledge to prevent and respond to aquatic emergencies. Upon successful completion American Red Cross certifications will be issued. Additional fees.

204 Water Safety Instructor 2 cr 
Prereq: Level 4 swimmer skills. Freq: Occasionally.
Students completing this course will be eligible to teach progressive swimming courses and four other certifying courses. Meets American Red Cross standards. One-hour lecture. Additional fees.

210 Introduction to Health, Exercise Science and Sport Management 3 cr 
Prereq: None. Freq: Fall, Spring.
Provides an overview of the health, exercise science and sports industries. Emphasis will be placed on basic management principles and career opportunities.
220 Applied Sport Management     3 cr  
Prereq: HESM 210; at least sophomore standing. Freq: Yearly.  
Explores applied management principles including organizing, leading, and controlling within sport organizations.  
Combines classroom instruction with practical experiences in the field.

221 Applied Exercise Science     3 cr  
Prereq: HESM 210 or AHS 101; at least sophomore standing. Freq: Yearly.  
Explores the exercise science field in further depth and allows application of acquired knowledge, theories, skills and research to the exercise science industry.

248 Coaching Theory of Football, Basketball, and Track and Field     3 cr  
Studies the techniques to organize, administer, and teach football, basketball, and track and field. Addresses individual, small group, team, technical and tactical performance skills at various levels of competition.

249 Coaching Theory of Volleyball, Soccer, Baseball and Softball     3 cr  
Prereq: HESM 283. Freq: Occasionally.  
Studies the techniques to organize, administer, and teach volleyball, soccer, baseball and softball. Addresses individual, small group, team, technical and tactical performance skills at various levels of competition.

250 Sport Safety Training for Coaches     3 cr  
Prereq: None. Freq: Yearly.  
Provides coaches with knowledge and skills to help provide a safe environment for athletes while they are practicing, competing and recovering from injury. Includes basic taping techniques, concussion evaluations and injury management.

270 Lifetime Wellness     3 cr  
Prereq: None. Freq: Fall, Spring.  
Provides the necessary knowledge and skills to develop a personal fitness/wellness program and to achieve greater lifelong health and wellness. Required workouts outside of the scheduled class period.

280 Sport and Fitness Nutrition     3 cr  
Prereq: None. Freq: Fall, Spring.  
The goal of this course is to develop an understanding of the interaction of good nutrition and exercise habits. Focus on nutritional strategies to maximize energy to get the most out of exercise. The needs and responses of special populations to diet and exercise will also be considered.

282 Ethics and Issues in Sport Management     3 cr  
Prereq: None. Freq: Fall, Spring.  
A study of ethical and behavioral issues as they relate to current issues and problems in sport management. Topics include 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.

283 Orientation to Coaching     3 cr  
Prereq: None. Freq: Yearly.  
Introduces general techniques and responsibilities necessary for success in athletic coaching.

284 Orientation to Sports Officiating     3 cr  
Prereq: None. Freq: Occasionally.  
Introduces general techniques and responsibilities related to athletic officiating in a variety of sports.

285 Sport in Society     3 cr  
Prereq: None. Freq: Fall, Spring.  
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.

289 Special Topics in Sport Management     1-3 cr  
Prereq: Varies by topic. Freq: Occasionally.  
Selected topics in sport management will be examined.

290 Special Topics in Health and Exercise Science     1-3 cr  
Prereq: Varies by topic. Freq: Occasionally.  
Selected topics in health and exercise science will be examined.

300 Legal Issues in Sport Management     3 cr  
Prereq: Junior/senior standing. Freq: Yearly.  
Explains the basic legal system, terminology and principles as applied to sport management. Emphasizes identifying and analyzing legal issues, the ramifications of those issues, and the means of limiting liability of sports organizations. Includes negligence, risk management, and contract law.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>301</td>
<td>Sport Conditioning Practice Design</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td><strong>Prereq:</strong> None, <strong>Freq:</strong> Yearly.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Develops a general understanding of aerobic and anaerobic conditioning principles and techniques for developing agility, strength, quickness and includes practice design for peak performance. Emphasizes how to apply these principles and techniques in a practice setting. Labs will be used to teach basic resistance training, speed and agility techniques.</td>
<td></td>
</tr>
<tr>
<td>306</td>
<td>Principles of Motor Learning</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td><strong>Prereq:</strong> At least sophomore standing. <strong>Freq:</strong> Yearly.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Examines issues pertinent to the analysis, teaching and learning of motor skills. Emphasizes identification of qualities of the individual learner/performer in relation to environmental factors including task demands, and teacher behaviors that influence the skill acquisition process.</td>
<td></td>
</tr>
<tr>
<td>310</td>
<td>Sports Industry Regulation</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td><strong>Prereq:</strong> Junior/senior standing. <strong>Freq:</strong> Yearly.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>An in-depth study of how professional and amateur sports organizations are governed and regulated. Topics include collective bargaining, commissioner/president powers, agent regulation and facility regulation.</td>
<td></td>
</tr>
<tr>
<td>320</td>
<td>The Business of Minor League Baseball</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td><strong>Prereq:</strong> None. <strong>Freq:</strong> Spring (Odd years).</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Examines the business and governance structure of the minor league baseball. Includes discussions on team ownership, market selection, hiring and human resource approaches, revenue generation and facility operations/expenses.</td>
<td></td>
</tr>
<tr>
<td>321</td>
<td>Women’s Health Issues</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td><strong>Prereq:</strong> Junior/senior standing. <strong>Freq:</strong> Occasionally.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>This course will provide a comprehensive overview of critical, contemporary women’s health topics and a framework for informed personal and social health decision-making. Topics include women’s health, overview of definitions; health status and implications; nutrition and fitness; sexuality and reproductive health; violence in women’s lives; health of women across the life span; chronic diseases; and substance use/abuse issues.</td>
<td></td>
</tr>
<tr>
<td>335</td>
<td>Race, Ethnicity and Baseball in American Society</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td><strong>Prereq:</strong> At least sophomore standing. <strong>Freq:</strong> Occasionally.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Examines the economic, political and social impacts of the African American, Asian American, Latino American and Native American cultures on American society through the prism of the professional baseball industry.</td>
<td></td>
</tr>
<tr>
<td>339</td>
<td>Sustainable Sport Management</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td><strong>Prereq:</strong> At least sophomore standing. <strong>Freq:</strong> Spring (Even years).</td>
<td></td>
</tr>
<tr>
<td></td>
<td>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. Cross-listed with HESM 539.</td>
<td></td>
</tr>
<tr>
<td>340</td>
<td>Aging and Wellness</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td><strong>Prereq:</strong> HESM 270 or BIOS 109, or consent of instructor. <strong>Freq:</strong> Occasionally.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>This course addresses the health needs of an aging population covering the multifaceted dimensions of wellness during the aging process with focus on biological, psychological, social, and political factors. Emphasis will be placed on health promotion.</td>
<td></td>
</tr>
<tr>
<td>345</td>
<td>Prevention and Care of Athletic Injuries</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td><strong>Prereq:</strong> BIOS 105, 106 or BIOS 300, 341. <strong>Freq:</strong> Fall.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Studies the latest techniques in the prevention of injuries related to fitness, recreation and athletics. Focuses on injury evaluation and care, including conditioning, taping, wound care, therapeutic modalities, and rehabilitation exercises.</td>
<td></td>
</tr>
<tr>
<td>350</td>
<td>Research Methods in Exercise Science</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td><strong>Prereq:</strong> PSYC 250 or MATH 103. <strong>Freq:</strong> Spring.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Addresses the major aspects of performing research in the broad area of exercise science. Topics include the scientific method, statistical analysis, research design, types of research and the publication process. Emphasizes data and methods commonly employed in exercise and sport science research.</td>
<td></td>
</tr>
<tr>
<td>353</td>
<td>Biomechanics</td>
<td>4 cr</td>
</tr>
<tr>
<td></td>
<td><strong>Prereq:</strong> BIOS 105 or 300; PHYS 101 or 105; and MATH 111. <strong>Freq:</strong> Fall, Spring.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>354</td>
<td>Physiology of Exercise</td>
<td>4 cr</td>
</tr>
<tr>
<td></td>
<td><strong>Prereq:</strong> BIOS 105, 106 or BIOS 300, 341; and MATH 111. <strong>Freq:</strong> Fall, Spring.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Explores the physiological changes of the human body, during and after exercise, and their implications to human performance. Three-hour lecture; required lab session.</td>
<td></td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
<td>Credits</td>
</tr>
<tr>
<td>-------------</td>
<td>------------------------------------------------------------------</td>
<td>---------</td>
</tr>
<tr>
<td>358</td>
<td>Sport and Fitness Psychology</td>
<td>3 cr</td>
</tr>
<tr>
<td>360</td>
<td>Sports Communications</td>
<td>3 cr</td>
</tr>
<tr>
<td>362</td>
<td>Sports Marketing</td>
<td>3 cr</td>
</tr>
<tr>
<td>365</td>
<td>Personal, School, and Community Health</td>
<td>2 cr</td>
</tr>
<tr>
<td>370</td>
<td>Event Management</td>
<td>3 cr</td>
</tr>
<tr>
<td>380</td>
<td>Facility Development and Management</td>
<td>3 cr</td>
</tr>
<tr>
<td>389</td>
<td>Special Topics in Sport Management</td>
<td>1-3 cr</td>
</tr>
<tr>
<td>390</td>
<td>Special Topics in Health and Exercise Science</td>
<td>1-3 cr</td>
</tr>
<tr>
<td>410</td>
<td>Fitness Assessment and Prescription</td>
<td>3 cr</td>
</tr>
<tr>
<td>411</td>
<td>Exercise Science and Special Populations</td>
<td>3 cr</td>
</tr>
<tr>
<td>415</td>
<td>Scientific Principles of Strength and Conditioning</td>
<td>4 cr</td>
</tr>
<tr>
<td>420</td>
<td>Sport Business and Finance</td>
<td>3 cr</td>
</tr>
<tr>
<td>425</td>
<td>Program Design and Exercise Techniques</td>
<td>3 cr</td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
<td>Credits</td>
</tr>
<tr>
<td>------------</td>
<td>-----------------------------------------------</td>
<td>---------</td>
</tr>
<tr>
<td>430</td>
<td>Fitness Program Management</td>
<td>4 cr</td>
</tr>
<tr>
<td></td>
<td><strong>Prereq:</strong> HESM 353, 354 and 410. Freq: Spring.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Explores theoretical considerations and practical applications for planning, developing and managing health and fitness organizations. Covers the management of personnel, the facility, marketing, programming and evaluation. Includes participating in two community based learning experiences.</td>
<td></td>
</tr>
<tr>
<td>455</td>
<td>Sport Sales and Customer Service</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td><strong>Prereq:</strong> Junior/senior standing. Freq: Yearly.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Explores basic sales and customer service concepts with application to sports organizations. Topics include sales techniques, prospect identification and customer service principles. Included is the development of detailed sales and customer service materials for a sports enterprise.</td>
<td></td>
</tr>
<tr>
<td>456</td>
<td>Athletic Fundraising</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td><strong>Prereq:</strong> Junior/senior standing. Freq: Yearly.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Examines the development of successful fundraising programs in interscholastic and intercollegiate athletic programs. Cross-listed with HESM 656.</td>
<td></td>
</tr>
<tr>
<td>458</td>
<td>Sport Analytics</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td><strong>Prereq:</strong> Junior/senior standing. Freq: Yearly.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>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. Cross-listed with HESM 658.</td>
<td></td>
</tr>
<tr>
<td>480</td>
<td>Senior Seminar in Sport Management</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td><strong>Prereq:</strong> Accepted into sport management major with senior standing and a minimum 2.5 GPA in major. Freq: Fall, Spring.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Provides capstone experience for sport management majors in their last year. Discusses current industry materials and topics. Includes an individual research project.</td>
<td></td>
</tr>
<tr>
<td>481</td>
<td>Senior Seminar in Exercise Science</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td><strong>Prereq:</strong> Senior standing; accepted exercise science major with a minimum GPA of 2.67 in major. Freq: Yearly.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Provides capstone experience for students to apply and deepen their knowledge and skills in exercise science. Requires a comprehensive research or applied project.</td>
<td></td>
</tr>
<tr>
<td>489</td>
<td>Special Topics in Sport Management</td>
<td>1-3 cr</td>
</tr>
<tr>
<td></td>
<td><strong>Prereq:</strong> Varies by topic. Freq: Occasionally.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Selected topics in sport management will be examined.</td>
<td></td>
</tr>
<tr>
<td>490</td>
<td>Special Topics in Health and Exercise Science</td>
<td>1-3 cr</td>
</tr>
<tr>
<td></td>
<td><strong>Prereq:</strong> Varies by topic. Freq: Occasionally.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Selected topics in health and exercise science.</td>
<td></td>
</tr>
<tr>
<td>491</td>
<td>Varsity Sports Field Experience</td>
<td>1 cr</td>
</tr>
<tr>
<td></td>
<td><strong>Prereq:</strong> Open to all students by tryout; consent of instructor. Freq: Fall, Spring.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Advanced training in techniques through participation in the varsity athletic program for both men and women. A maximum of four credits may be applied to the graduation requirement.</td>
<td></td>
</tr>
<tr>
<td>493</td>
<td>Coaching Practicum</td>
<td>1 cr</td>
</tr>
<tr>
<td></td>
<td><strong>Prereq:</strong> HESM 283 and approval of advisor and department chair. Freq: Yearly.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Applies the methods and techniques in the coaching profession. May be repeated for a maximum of four credits.</td>
<td></td>
</tr>
<tr>
<td>494</td>
<td>Internship</td>
<td>1-3 cr</td>
</tr>
<tr>
<td></td>
<td><strong>Prereq:</strong> Consent of instructor. Freq: Fall, Spring, Summer.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Practical application of the methods and techniques in various sport and fitness fields. Under guidance of a supervising instructor. May be repeated for a maximum of 6 credits.</td>
<td></td>
</tr>
<tr>
<td>495</td>
<td>Fieldwork in Sport Management</td>
<td>1-12 cr</td>
</tr>
<tr>
<td></td>
<td><strong>Prereq:</strong> Accepted sport management major with a minimum major GPA of 2.5. A minimum of 3 credits are required to be completed in the student’s last year of course work. Freq: Fall, Spring, Summer.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Provides supervised field-based sport management experience in the conditions, practices, and environmental settings appropriate for field. Requires placement approval by HESM faculty member.</td>
<td></td>
</tr>
<tr>
<td>498</td>
<td>Fieldwork in Exercise Science</td>
<td>1-12 cr</td>
</tr>
<tr>
<td></td>
<td><strong>Prereq:</strong> Accepted exercise science major with a minimum major GPA of 2.67. A minimum of 3 credits are required to be completed in the student’s last semester of course work. Freq: Fall, Spring, Summer.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Provides a supervised field-based exercise science experience. Requires placement approval by HESM faculty member.</td>
<td></td>
</tr>
<tr>
<td>499</td>
<td>Independent Study</td>
<td>1-4 cr</td>
</tr>
<tr>
<td></td>
<td><strong>Prereq:</strong> Consent of instructor and department chair. Freq: Fall, Spring, Summer.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Conducts independent work in specific areas under HESM faculty supervision.</td>
<td></td>
</tr>
</tbody>
</table>
HEALTH INFORMATION MANAGEMENT AND TECHNOLOGY

UW-PARKSIDE 2017-19 CATALOG

Greenquist 342 • 262-595-2980

College: Natural and Health Sciences

Degree and Program Offered: Bachelor of Science

Major - Health Information Management and Technology

Website: http://himt.wisconsin.edu

Program Overview

The bachelor of science in health information management and technology (HIMT) is a collaborative, online program designed to provide students with the knowledge and competencies required to meet the growing need for professionals to work in this rapidly expanding and evolving area of healthcare. 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.

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.

Program-Level Outcomes

Graduates of the HIMT degree program will be able to:
1. Demonstrate knowledge of healthcare billing, coding and reimbursement policies
2. Demonstrate knowledge of healthcare terminology and medical conditions
3. Demonstrate knowledge of dynamic healthcare delivery systems and regulatory environments
4. Apply principles of healthcare privacy, confidentiality, legal, ethical issues and data security
5. Apply critical and creative thinking, problem solving, and effective inter-professional communication skills related to health information management
6. Evaluate, use, and integrate information technology to support medical decision making and processes
7. Apply quantitative methodologies to process healthcare information
8. 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

This program offers courses in conjunction with three partner campuses – UW-Green Bay, UW-La Crosse and UW-Stevens Point.
Requirements for Admission to 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.

Requirements for the Health Information Management and Technology Major (61 credits)

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.

A. Required Core Courses (49 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIMT 300</td>
<td>Survey of Contemporary Computing</td>
<td>3 cr</td>
</tr>
<tr>
<td>HIMT 310</td>
<td>Healthcare Systems and Organizations</td>
<td>3 cr</td>
</tr>
<tr>
<td>HIMT 320</td>
<td>Survey of Information Technology in Healthcare</td>
<td>3 cr</td>
</tr>
<tr>
<td>HIMT 330</td>
<td>Healthcare I: Terminology and Body Systems</td>
<td>3 cr</td>
</tr>
<tr>
<td>HIMT 340</td>
<td>Ethical Issues, Security Management and Compliance</td>
<td>3 cr</td>
</tr>
<tr>
<td>HIMT 350</td>
<td>Statistics for Healthcare</td>
<td>3 cr</td>
</tr>
<tr>
<td>HIMT 360</td>
<td>Healthcare II: Survey of Disease and Treatments</td>
<td>3 cr</td>
</tr>
<tr>
<td>HIMT 370</td>
<td>Healthcare Systems: Analysis and Design</td>
<td>3 cr</td>
</tr>
<tr>
<td>HIMT 380</td>
<td>Healthcare Billing, Coding and Reimbursement</td>
<td>3 cr</td>
</tr>
<tr>
<td>HIMT 400</td>
<td>Healthcare Information and Technology – Data</td>
<td>3 cr</td>
</tr>
<tr>
<td>HIMT 410</td>
<td>Healthcare Systems: Implementation and Integration</td>
<td>3 cr</td>
</tr>
<tr>
<td>HIMT 420</td>
<td>Healthcare Systems: Project Management</td>
<td>3 cr</td>
</tr>
<tr>
<td>HIMT 430</td>
<td>Quality Assessment and Improvement</td>
<td>3 cr</td>
</tr>
<tr>
<td>HIMT 440</td>
<td>Group Processes, Team Building and Leadership</td>
<td>3 cr</td>
</tr>
<tr>
<td>HIMT 450</td>
<td>Healthcare Information and Technology- Standards</td>
<td>3 cr</td>
</tr>
<tr>
<td>HIMT 489</td>
<td>Pre-Capstone: Health Information Management Technology</td>
<td>1 cr</td>
</tr>
<tr>
<td>HIMT 490</td>
<td>Capstone Project</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

B. Major Elective Courses (12 credits)

Choose one group of courses.

1. Healthcare Management Track (12 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIMT 355</td>
<td>Principles of Management for HIMT Professionals</td>
<td>3 cr</td>
</tr>
</tbody>
</table>
HIMT 365  Healthcare Economics  3 cr
HIMT 415  Human Resource Management in Healthcare  3 cr
HIMT 445  Application of Leadership and Management in Healthcare Technology  3 cr

2. Healthcare Technology Track (12 credits)
HIMT 345  Programming and Software Development  3 cr
HIMT 375  Database Structures and Management Systems  3 cr
HIMT 425  Data Warehousing and Mining  3 cr
HIMT 435  Data Communications and Networks in Healthcare  3 cr

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.

Courses in Health Information Management and Technology (HIMT)

300  Survey of Contemporary Computing  3 cr
Prereq: None. Freq: Fall, Spring, Summer.
Provides a basic overview of contemporary information technology and computers. Topics include computer concepts (e.g., hardware, system architectures, operating systems), communication technologies, Internet technologies, and data organization/structures. Special emphasis placed on database management systems and data warehousing.

310  Healthcare Systems and Organizations  3 cr
Prereq: None. Freq: Fall, Spring, Summer.
Provides an overview of how healthcare and public health are organized and how their services are delivered in the United States. Topics to be covered include public policy (including U.S. 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.

320  Survey of Information Technology in Healthcare  3 cr
Prereq: None. Freq: Fall, Spring, Summer.
Surveys essential healthcare information technologies that are used for healthcare information systems. Popular healthcare information systems include electronic medical record systems that keep record of patients’ history; the computerized provider order entry systems that record the history of the procurement of medicine and other medical necessities; telemedicine, which keeps information for medical doctors in the computers; telehealth e-prescribing, which prescribes the medicine electronically; medication administration, which keeps the information for medical doctors and other hospital staff members; and nursing and ancillary service systems.

330  Healthcare I: Terminology and Body Systems  3 cr
Prereq: UW Colleges BIO 101 or equivalent. Freq: Fall, Spring, Summer.
Examines specific terminology and vocabulary used by workers in healthcare and public health. The focus of this course is on medical terminology that broadly relates to human anatomy and physiology, body systems and diagnosis. The bases of medical terms will be examined – such as prefixes suffixes, roots, and combined forms. Topics will also include healthcare taxonomies and nomenclatures (ICD-9-CM, ICD-10, etc.).

340  Ethical Issues, Security Management and Compliance  3 cr
Prereq: None. Freq: Fall, Spring, Summer.
Introduces 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. and the existing health information laws, regulations, and standards. Also addressed are the elements and development of compliance programs.
345  Programming and Software Development  3 cr  
**Prereq:** HIMT 300 or concurrent enrollment. **Freq:** Fall, Spring, Summer.  
Introduction to object-oriented 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.

350  Statistics for Healthcare  3 cr  
**Prereq:** UW Colleges MAT 105 or equivalent (at UW-Parkside: MATH 102 or MATH 111). **Freq:** Fall, Spring, Summer.  
This is an introductory course in statistical methods for the health sciences. The course will emphasize 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.

355  Principles of Management for HIMT Professionals  3 cr  
**Prereq:** None. **Freq:** Fall, Spring, Summer.  
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.

360  Healthcare II: Survey of Disease and Treatments  3 cr  
**Prereq:** HIMT 330. **Freq:** Fall, Spring, Summer.  
This course further investigates the topics covered in HIMT 330. On the basis of each body system, the course will further expand into the topics of human disease, human health issues, and classification of disease/health issues. Diagnostics, treatment and clinical procedures that are currently in practice. In addition, the course will incorporate pharmacotherapeutic concepts (drugs and therapies to treat/prevent/control human disease/health issues), investigating the variety of drugs used for disease treatment for each body system. This will include the current biologicals that are used for treatment. Topics will include how the drugs and biologicals work, their limitations, and the current diversity of available drugs and biologicals.

365  Healthcare Economics  3 cr  
**Prereq:** None. **Freq:** Fall, Spring, Summer.  
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.

370  Healthcare Systems: Analysis and Design  3 cr  
**Prereq:** HIMT 300. **Freq:** Fall, Spring, Summer.  
This is the first course in a two-course sequence that addresses methods and techniques of healthcare information system analysis and design as performed within the system development life cycle. Included will be techniques for problem definition, requirements gathering, analysis, logical design, and 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.

375  Database Structures and Management Systems  3 cr  
**Prereq:** HIMT 345. **Freq:** Fall, Spring, Summer.  
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.

380  Healthcare Billing, Coding, and Reimbursement  3 cr  
**Prereq:** HIMT 330, 360. **Freq:** Fall, Spring, Summer.  
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.

400  Healthcare Information and Technology-Data  3 cr  
**Prereq:** HIMT 360. **Freq:** Fall, Spring, Summer.  
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 Healthcare Information Infrastructure (NHII). The course will also cover topics in bioinformatics.

410  Healthcare Systems: Implementation and Integration  3 cr  
**Prereq:** HIMT 300, 370. **Freq:** Fall, Spring, Summer.  
Covers the back-end stages of healthcare systems development lifecycle through the procurement route: 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.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>415</td>
<td>Human Resource Management in Healthcare</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td><strong>Prereq:</strong> None. <strong>Freq:</strong> Fall, Spring, Summer.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Examines the role of HIM staff in managing human resources to facilitate staff recruitment, retention and supervision.</td>
<td></td>
</tr>
<tr>
<td>420</td>
<td>Healthcare Systems: Project Management</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td><strong>Prereq:</strong> None. <strong>Freq:</strong> Fall, Spring, Summer.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>425</td>
<td>Data Warehousing and Mining</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td><strong>Prereq:</strong> HIMT 375. <strong>Freq:</strong> Fall, Spring, Summer.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Examine the concept of the 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 extracting information from the data warehouse by using data mining methods and models.</td>
<td></td>
</tr>
<tr>
<td>430</td>
<td>Quality Assessment and Improvement</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td><strong>Prereq:</strong> HIMT 350. <strong>Freq:</strong> Fall, Spring, Summer.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Examines the quality assessment and quality improvement cycle (plan, do, check, act) and the role of the HIT/HIM in the process. Tools used in quality and risk management processes will be examined.</td>
<td></td>
</tr>
<tr>
<td>435</td>
<td>Data Communications and Networks in Healthcare</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td><strong>Prereq:</strong> HIMT 300. <strong>Freq:</strong> Fall, Spring, Summer.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>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 NHIN.</td>
<td></td>
</tr>
<tr>
<td>440</td>
<td>Group Processes, Team Building and Leadership</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td><strong>Prereq:</strong> HIMT 355. <strong>Freq:</strong> Fall, Spring, Summer.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Introduces students to the necessary group/team processes that are at the root 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. Also included is a focus on the uses of various communication technologies in the team building and functioning processes.</td>
<td></td>
</tr>
<tr>
<td>445</td>
<td>Application of Leadership and Management in Healthcare Technology</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td><strong>Prereq:</strong> HIMT 355, 365, 415. <strong>Freq:</strong> Fall, Spring, Summer.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Assimilates and integrates concepts and applications of management and leadership in 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, and critical organizational behaviors for leadership and management, focusing on best practices, organizational accountability, and assessment models.</td>
<td></td>
</tr>
<tr>
<td>450</td>
<td>Healthcare Information and Technology – Standards</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td><strong>Prereq:</strong> HIMT 400. <strong>Freq:</strong> Fall, Spring, Summer.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Introduces healthcare information technology standards, including standards and regulations for documentation, and will cover health information standards. The course will also investigate software applications and enterprise architecture in healthcare and public health organizations.</td>
<td></td>
</tr>
<tr>
<td>489</td>
<td>Pre-Capstone: Health Information Management Technology</td>
<td>1 cr</td>
</tr>
<tr>
<td></td>
<td><strong>Prereq:</strong> None. <strong>Freq:</strong> Fall, Spring, Summer.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>490</td>
<td>Capstone Project</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td><strong>Prereq:</strong> Senior status and consent of instructor. <strong>Freq:</strong> Fall, Spring, Summer.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>This course is the capstone course for both tracks of the degree program. Students are required to find an internship site that is related to healthcare and set up a semester-long project from which they can gain hands-on experience in the areas of their concentration. Project setup will be jointly done by the student, site sponsor, and the faculty of this course, whereas internship supervision will be performed by the project supervisor and the course instructor.</td>
<td></td>
</tr>
</tbody>
</table>
HISTORY

UW-PARKSIDE 2017-19 CATALOG
Molinaro 367 • 262-595-3416

College:
Social Sciences and Professional Studies

Degree and Programs Offered:
Bachelor of Arts

Major - History
Minor - History

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.

Program Level Outcomes
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.
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, 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 prerequisites.

Requirements for the History Major (39 credits)

The major in history consists of a minimum of 39 credits. At least 15 credits of upper-level courses in the major must be completed at UW-Parkside.

A. Required Courses (21 credits)

- HIST 101 The United States, Origins to Reconstruction 3 cr
- HIST 102 The United States, Reconstruction to Recent Times 3 cr
- HIST 118 Western Civilization I: From Antiquity to 1300 3 cr
- OR
- HIST 126 World History I: From Antiquity to 1300 3 cr
- HIST 119 Western Civilization II: The Middle Ages to 1815 3 cr
- OR
- HIST 127 World History II: From 1300 to 1800 3 cr
- HIST 120 Western Civilization III: From 1815 to the Present 3 cr
- OR
- HIST 128 World History III: From 1800 to the Present 3 cr
- HIST 250 Sources and Methods in History 3 cr
- HIST 497 History Capstone 3 cr

B. Elective Courses (18 credits)

1. 300-400 level HIST courses (12 credits)
2. 300-400 level non-Western area e.g. Africa, Asia, Middle East HIST course (3 credits)
3. Any level HIST course (3 credits)

Requirements for the History Minor (18 credits)

A. Required Courses (6 credits)

Choose two:
- HIST 101 The United States, Origins to Reconstruction 3 cr
- HIST 102 The United States, Reconstruction to Recent Times 3 cr
- HIST 118 Western Civilization I:
From Antiquity to 1300

HIST 119 Western Civilization II: The Middle Ages to 1815 3 cr
HIST 120 Western Civilization III: From 1815 to the Present 3 cr
HIST 126 World History I: From Antiquity to 1300 3 cr
HIST 127 World History II: From 1300 to 1800 3 cr
HIST 128 World History III: From 1800 to the Present 3 cr

B. Required Course (3 credits)
HIST 250 Sources and Methods in History 3 cr

C. Elective Courses (9 credits)
1. 300-400 level HIST courses (6 credits)
2. 200 level or above HIST course (3 credits)

Courses in History (HIST)

101 The United States, Origins to Reconstruction 3 cr
Prereq: None. Freq: Fall, Spring.
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.

102 The United States, Reconstruction to Recent Times 3 cr
Prereq: None. Freq: Fall, Spring, Summer.
Analyzes the historical development of the United States from the end of Reconstruction to the recent past, with emphasis on its emergence as a modern industrial society and a world power.

103 Introduction to Asia 3 cr
Prereq: None. Freq: Fall.
Covers the social, cultural, economic, religious, literary, and political aspects of life in Asia, including China, India, Japan, Southeast Asia, and their neighboring countries. Cross-listed with INTS 103.

104 Introduction to the Middle East 3 cr
Prereq: None. Freq: Spring (even years).
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 to the present, such as 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.

118 Western Civilization I: From Antiquity to 1300 3 cr
Prereq: None. Freq: Fall.
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.

119 Western Civilization II: The Middle Ages to 1815 3 cr
Prereq: None. Freq: Spring.
In 1300, Europeans experienced one of the highest standards of living ever known, but it would not last. Famines, plagues, and warfare challenged them politically, socially, and intellectually. The resulting changes led to the Renaissance, the Reformation, the Enlightenment, and the French Revolution. This course examines these changes, their causes, and how they came together to influence the modern world.

120 Western Civilization III: From 1815 to the Present 3 cr
Prereq: None. Freq: Fall.
Post-Napoleonic Europe embodied 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, two 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.
126 World History I: From Antiquity to 1300 3 cr  
Prereq: None. Freq: Spring.  
Explores the rise of ancient civilizations in Mesopotamia, Egypt under the Pharaohs, China through the Tang dynasty, and the Indus River Valley. Topics include major archaeological discoveries, the rise of the Persian Empire and its conquest by Alexander the Great, the many innovations of Classical Greece and Rome, and the origins of modern world religions.

127 World History II: From 1300 to 1800 3 cr  
Prereq: None. Freq: Occasionally.  
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.

128 World History III: From 1800 to the Present 3 cr  
Prereq: None. Freq: Fall, Spring, Winterim.  
Considers the roles of technology, imperialism, and ideology in this era of unprecedented global conflict and rapid social change. Includes the decline of European colonial empires, the consequences of two World Wars, the impact of Nazism and the Holocaust, and the progress made by women in social and political arenas.

180 Popular Culture 3 cr  
Prereq: None. Freq: Occasionally.  
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.

213 Religion in America 3 cr  
Prereq: ENGL 101. Freq: Occasionally.  
A survey of the religious experience in America from colonial times to the present. Includes consideration of the relationship of religion to ethnicity and the role of religion in American politics.

236 Women in Modern Society 3 cr  
Prereq: ENGL 101. Freq: Occasionally.  
Surveys the social and demographic patterns of pre-industrial society; focuses on the role of women in modern, industrial society. Topics include working-class women, middle class and modernization reform movements; feminism, suffrage, socialism, women in the era of the world wars, and the contemporary women’s movement. Cross-listed with WGSS 236.

247 Latin American History 3 cr  
Prereq: None. Freq: Occasionally.  
Broad topical survey of Latin America from pre-Columbian civilizations to the present.

250 Sources and Methods in History 3 cr  
Prereq: Completion of at least two of the following with a C or better: HIST 101, 102, 118, 119, 120, 126, 127, 128. Freq: Fall.  
Explores basics of historical methods in research and writing, mechanics of archival and library research in order to produce a final research paper involving primary and secondary sources.

260 International Conflict 3 cr  
Prereq: ENGL 101 and one 100-level HIST course. Freq: Occasionally.  
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.

268 Introduction to Holocaust Studies 3 cr  
Prereq: English 101 with grade of C- or better or consent of instructor. Freq: Occasionally.  
Examines historical, philosophical and other issues surrounding the Holocaust, using texts by those who experienced the Holocaust. Cross-listed with ENGL 268/INTS 268.

290 Special Topics in History 1-4 cr  
Prereq: ENGL 101 and one 100-level HIST course. Freq: Occasionally.  
Selected topics in history will be examined.

291 Topics in Multicultural History 3 cr  
Prereq: ENGL 101 and one 100-level HIST course. Freq: Occasionally.  
Selected topics in multicultural American history will be examined. May be repeated for credit with different content.

301 Race/Ethnicity: United States of America 1492-1890 3 cr  
Prereq: HIST 250 or consent of instructor. Freq: Occasionally.  
Examines the historical evolution of the American people and culture resulting from the interaction among diverse ethnic elements from initial contacts to the closing of the frontier. Explores the concept of ethnicity and its relationship to socioeconomic, political and diplomatic developments.
302 Race/Ethnicity: United States of America 1890 to the Present. 3 cr
Prereq: HIST 250 or consent of instructor. Freq: Spring (even years).
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.

307 History of Wisconsin 3 cr
Prereq: HIST 250 or consent of instructor. Freq: Fall (even years).
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.

313 Colonialism 3 cr
Prereq: HIST 250. Freq: Occasionally.
Examines the causes and consequences of European and American colonial expansion in Africa, Asia, and Latin
America, focusing on the nineteenth and twentieth centuries, with attention to the experiences of both colonized and
colonizers.

315 History of the Modern Middle East 3 cr
Prereq: HIST 250 or consent of instructor. Freq: Fall (even years).
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.

317 History of North Africa 3 cr
Prereq: HIST 250 or consent of instructor. Freq: Occasionally.
History of North African societies, with a focus on indigenous inhabitants, from prehistory to the present. Impact of
various incursions, including Phoenicians, Romans, Arab Muslims, and European colonialism; local resistance to
political and military domination; evolution of gender relations and other social structures; nationalist movements;
effects of globalization on the region.

318 History of Islam 3 cr
Prereq: HIST 250. Freq: Fall (odd years).
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.

319 Arab-Israeli Conflict 3 cr
Prereq: HIST 250 or consent of instructor. Freq: Spring (odd years).
Explores the complexities of the Arab-Israeli Conflict, as well as the social histories of Palestinians and Israelis as
real people with everyday lives and concerns.

320 Germany 1815 to the Present 3 cr
Prereq: HIST 250 or consent of instructor. Freq: Occasionally.
Examines the failure of liberalism, triumph of political and social reaction, World War I, the fascist response to political
defeat and social modernization, World War II and the postwar era, German reunification.

324 History of American Politics 3 cr
Prereq: HIST 250 or consent of instructor. Freq: Occasionally.
Interdisciplinary course in the development of the American political system from colonial times to the present,
utilizing concepts of history, political science and sociology. Emphasis on the causes and nature of political change.

325 Mayhem and the Metropolis 3 cr
Prereq: ENGL 101 and HIST 250 or consent of instructor. Freq: Occasionally.
Explores the rise and social development of selected large cities, 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.

326 Age of Napoleon, 1770-1825 3 cr
Prereq: ENGL 101 and HIST 250. Freq: Occasionally.
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.

327 History of Britain I: To 1603 3 cr
Prereq: ENGL 101 and HIST 250 or consent of instructor. Freq: Fall.
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 will be on England, the course will
touch on all the regions that form the United Kingdom.
328  History of Britain II: 1603 to Present  3 cr  
Prereq: ENGL 101 and HIST 250 or consent of instructor. Freq: Spring.  
Examines British social and political developments, beginning with the Stuart Dynasty through to the present. Focus includes such topics as the English Civil War, the Industrial Revolution, Britain and Abolitionism, Colonialism, and the rise and fall of the British Empire.

330  The Evolution of Pre-Modern Russia  3 cr  
Prereq: HIST 250 or consent of instructor. Freq: Occasionally.  
Russia in the heyday of serfedom, responses to industrialization, intensified contact with the West, and demand for modernization through the revolutions of 1917.

331  History of Soviet Russia, 1917 to the Present  3 cr  
Prereq: HIST 250 or consent of instructor. Freq: Occasionally.  
The modern political, cultural and economic systems created in Russia since 1917.

333  Contemporary American Immigration  3 cr  
Prereq: None. Freq: Occasionally.  
Examines the global economic, social, and political forces that have shaped immigration to the United States since the passage of the Immigration 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 ETHN 333.

335  Native American History  3 cr  
Prereq: HIST 101 and HIST 250, or consent of instructor. Freq: Occasionally.  
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.

336  Poverty in American History  3 cr  
Prereq: HIST 101 or 102; and 250. Freq: Fall (even years).  
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.

337  African-American History  3 cr  
Prereq: HIST 101 or 102. Freq: Fall (odd years).  
Examines the experience of African Americans from colonial times to the present, with emphasis on their evolution as an ethnic group and on their struggle for equality. Cross-listed with ETHN 337.

339  American Colonial History  3 cr  
Prereq: HIST 101, and HIST 250 or consent of instructor. Freq: Spring (odd years).  
An examination of the European exploration and colonization of North America, including interactions with native populations culminating with the American Revolution.

340  Early American Republic  3 cr  
Prereq: HIST 101, and HIST 250 or consent of instructor. Freq: Fall (odd years).  
Traces the political, cultural and social development of the United States from the American Revolution to the antebellum period.

341  The Urbanization of the United States  3 cr  
Prereq: HIST 250 or consent of instructor. Freq: Occasionally.  
Analyzes the evolution of urban places and cities in the United States from a network of tiny colonial outposts to a complex system of consolidated metropolitan statistical areas, as well as the impact that the historical process of urbanization has had upon other aspects of national development.

342  The American Civil War  3 cr  
Prereq: HIST 250 or consent of instructor. Freq: Spring (even years).  
Examines the origins and outcomes of the United States’ bloodiest conflict, including slavery, westward expansion, and Reconstruction.

344  Gilded Age and Progressive Era, 1877-1917  3 cr  
Prereq: HIST 280. Freq: Occasionally.  
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.
<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites</th>
<th>Frequency</th>
</tr>
</thead>
<tbody>
<tr>
<td>345</td>
<td>America in Power and Peril 1917-1953</td>
<td>3 cr</td>
<td>HIST 250</td>
<td>Fall (odd years)</td>
</tr>
<tr>
<td></td>
<td>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 20th century; examines the challenges of urban/rural, racial/ethnic, and gender divisions in the nation, along with the growth of American culture.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>346</td>
<td>Recent America, 1953-Present</td>
<td>3 cr</td>
<td>HIST 250</td>
<td>Spring (even years)</td>
</tr>
<tr>
<td></td>
<td>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.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>347</td>
<td>Topics in Latin American History</td>
<td>3 cr</td>
<td>HIST 250 or consent of instructor.</td>
<td>Occasionally.</td>
</tr>
<tr>
<td></td>
<td>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.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>362</td>
<td>Topics in 19th Century Europe</td>
<td>3 cr</td>
<td>HIST 120, and HIST 250 or consent of instructor.</td>
<td>Occasionally.</td>
</tr>
<tr>
<td></td>
<td>Topics include political and social revolutions; modernization and industrialization; nationalism; new cultural movements; the rise of modern ideologies; feminism and women's rights.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>363</td>
<td>Europe Between the Wars: 1919-1939</td>
<td>3 cr</td>
<td>HIST 120, HIST 250 or consent of instructor.</td>
<td>Occasionally.</td>
</tr>
<tr>
<td></td>
<td>Europe from the end of the first world war to the beginnings of the second. Topics include the Treaty of Versailles, revolutions in Central Europe, the successor states in Eastern Europe, political change in the west, the rise of fascism, appeasement, and the road to war.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>364</td>
<td>Europe Since 1945</td>
<td>3 cr</td>
<td>HIST 120, 250.</td>
<td>Occasionally.</td>
</tr>
<tr>
<td></td>
<td>Explores the end of World War II, the Cold War and Sovietization of Eastern Europe, political change in the West, decolonization, European unification, revolutions of 1989, and recent developments in Europe.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>368</td>
<td>Immigration and Race in Modern Europe</td>
<td>3 cr</td>
<td>HIST 250 or consent of instructor.</td>
<td>Occasionally.</td>
</tr>
<tr>
<td></td>
<td>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.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>384</td>
<td>Ancient and Imperial China, 2200 BCE – 1644 CE</td>
<td>3 cr</td>
<td>HIST 250 or consent of instructor.</td>
<td>Occasionally.</td>
</tr>
<tr>
<td></td>
<td>Explores China's history from the fossil record through the end of the Ming Dynasty in 1644 CE. Topics include Chinese culture, philosophy, innovation, technology, warfare, and artistic achievements, as well as major archaeological finds.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>385</td>
<td>China from the Opium Wars to World War II</td>
<td>3 cr</td>
<td>HIST 250. Freq: Occasionally.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Examines how opium addiction, natural disaster, and war against the Western powers triggered the collapse of China's once powerful Qing Dynasty, leaving it defenseless against the rising Japanese Empire.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>386</td>
<td>China Since World War II</td>
<td>3 cr</td>
<td>HIST 250. Freq: Occasionally.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Explores the violent birth of the People's Republic, China's war against the United States in Korea, Mao Zedong's cult of personality, China's rapid economic reforms during the 1980s and 1990s, and the triumph of the Beijing Olympics.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>387</td>
<td>Japan in the Late Samurai Age: 1400-1867</td>
<td>3 cr</td>
<td>HIST 250. Freq: Occasionally.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Examines the lives of Japan's samurai class, the way of the warrior, the role of the shogun, the origins of Japan's greatest cities and castles, the truth about geisha, and the real life among Japan's peasants, rebels, and outcasts.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>388</td>
<td>Japan Since the Samurai Age: 1868-Present</td>
<td>3 cr</td>
<td>HIST 250. Freq: Occasionally.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Explores Japan's last samurai revolution and the creation of the Japanese Empire, followed by Japan's attack on Pearl Harbor in 1941, defeat by the United States in 1945, and stunning resurgence into a leading industrial and economic superpower by the late 20th century.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>460</td>
<td>International Conflict</td>
<td>3 cr</td>
<td>HIST 250 or consent of instructor.</td>
<td>Occasionally.</td>
</tr>
<tr>
<td></td>
<td>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. Course differs from HIST 260 in that a research paper will be required.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
<td>Credits</td>
<td>Description</td>
<td></td>
</tr>
<tr>
<td>-------------</td>
<td>--------------------------------------------------</td>
<td>---------</td>
<td>------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
<td></td>
</tr>
<tr>
<td>468</td>
<td>Holocaust Studies</td>
<td>3 cr</td>
<td>Prereq: English 266 and 167 or a 200-level survey; or consent of instructor. Freq: Occasionally. Intensive study of various aspects of the Holocaust, such as literature of the Holocaust, film and the Holocaust, literature of the Second Generation, etc. Cross-listed with ENGL 468/ HUMA 468.</td>
<td></td>
</tr>
<tr>
<td>490</td>
<td>Special Topics in History</td>
<td>1-4 cr</td>
<td>Prereq: HIST 250 or consent of instructor. Freq: Occasionally. Selected topics in history will be examined. Research paper required.</td>
<td></td>
</tr>
<tr>
<td>491</td>
<td>Topics in Multicultural History</td>
<td>3 cr</td>
<td>Prereq: HIST 250 or consent of instructor. Freq: Occasionally. Selected topics in multicultural American history will be examined. May be repeated for credit with different content.</td>
<td></td>
</tr>
<tr>
<td>494</td>
<td>Internship in History</td>
<td>1-6 cr</td>
<td>Prereq: HIST 250; 3.0 GPA in history, consent of department chair. Freq: Fall, Spring, Summer. Provides opportunities for research and project-related work at university and non-university agencies and offices, such as 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.</td>
<td></td>
</tr>
<tr>
<td>497</td>
<td>History Capstone</td>
<td>3 cr</td>
<td>Prereq: HIST 250. Freq: Spring. Introduces the topic of 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.</td>
<td></td>
</tr>
<tr>
<td>499</td>
<td>Independent Study</td>
<td>1-6 cr</td>
<td>Prereq: Consent of instructor and department chair, minimum 3.3 GPA in history. Freq: Fall, Spring, Summer. Independent study is designed to enable students to pursue an interest or area in history not served by existing departmental offerings. Note: A maximum of 3 credits of independent study may be counted toward the major.</td>
<td></td>
</tr>
</tbody>
</table>
Program Overview
The honors program is a university-wide multidisciplinary program that encourages and rewards excellence. It provides opportunities for students to expand beyond the normal boundaries of their courses through research, special projects and community-based work. Students who complete all of the program requirements receive recognition at graduation and on their transcripts. The honors program has two tracks: academic honors and civic honors. To enroll in honors courses or participate in honors projects in either track, students must first be admitted to the program. Applications are accepted at any time. Contact the honors program director for more details or to obtain an application form, or visit the honors program website.

Academic Honors
The academic honors track provides thematically integrated and challenging opportunities for UW-Parkside's most talented students, ensures that UW-Parkside's best students and faculty scholars engage in collegial working relationships on in-depth projects of mutual interest, and fosters fellowship and community among UW-Parkside honors students. Academic honors is earned primarily through the completion of honors courses and honors thesis work.

Program admission requirements for new freshmen include standing in the upper 5 percent of their high school graduating class or a 95th percentile ACT score, or standing in the upper 10 percent of their high school graduating class and a 90th percentile ACT score. Continuing or transfer students must have a cumulative GPA of 3.5 or better and must have completed at least 12 credits of college work. All applicants must submit a letter of recommendation from a faculty member from this or another institution. Students transferring from another institution may apply up to 9 credits toward the honors program. Transferred honors credits must be approved by the director.

Requirements for Academic Honors
To receive official transcript designation and recognition at graduation, students must be admitted to the program, must have a cumulative GPA of at least 3.5 and must earn 24 credits in honors course work. The 24 credits must include three 1-credit Honors Seminars, and at least 3 credits of Honors Thesis. The remaining credits may be earned through honors projects attached to regularly scheduled courses or through additional Honors Seminars or honors designated courses. A grade of B+ or higher must be earned for a student to be awarded honors credit for any course.

In order to receive honors credit for a course not designated as an honors course, a student must first complete an honors agreement with the instructor. The agreement must state the specific nature of the additional honors work for the class and must be approved by the director of the honors program.

Students may also earn up to 3 honors credits by participating in academic campus activities outside the classroom such as lectures, discussions, and presentations.

One activity credit for honors requires:
• Prior approval of the honors program director.
• At least six hours of activities (note that the actual number of attended events may be more or less than this).
• Written presentation of a summary and critical evaluation of the experience to the honors program director.

Honors credits achieved in this manner will not count toward graduation nor toward the completion of any academic requirement other than those for the honors program. It is recommended that incoming freshmen who are eligible for the honors program enroll in HONS 495 Honors Seminar.
Civic Honors
The civic honors track provides a mechanism to support and sustain student involvement in a particular public issue and to examine and respond to public issues from multiple disciplinary perspectives.

The goals of the civic honors track are to:
Deeply embed a student’s exploration of a specific public issue into his or her academic experience.

Develop a network of support that encourages students to embrace their responsibilities as citizens in a diverse democracy within a broad global arena.

Deepen the positive impact that students have on communities through community engagement and civic learning initiatives.

Foster thorough knowledge of a particular academic discipline. Students who participate in the civic honors track will develop civic competencies through academic and community involvement including specific courses, targeted assignments, service learning, presentations, employment and volunteer activities, and community projects that demonstrate the civic competencies in the issue they have chosen.

Normally, students will enroll in the civic honors track no later than the fall semester of their junior year. To apply for the civic honors track, students must have completed at least 18 credits of university course work with a cumulative GPA of 3.0 or higher. Newly admitted students who have not taken CBL 101 Introduction to Community Based Learning, must complete this course within one year after admission to the program. The CBL 101 course offers students an opportunity to explore a broad range of civic and community issues.

During the course, students will select an issue of personal interest and develop a plan to intentionally focus their university experience and course work toward developing the knowledge, skills, and abilities necessary to impact that issue. Students who choose to participate in the civic honors track will use the plan created as part of the CBL 101 course to guide their development of civic competencies throughout the remainder of their university experience.

Requirements for Civic Honors
To receive official transcript designation and recognition at graduation students must be admitted to the program, must have a cumulative GPA of at least 3.0, successfully complete CBL 101 Introduction to Community Based Learning, HONS 496 Civic Honors Senior Seminar, and demonstrate proficiency in the following six civic competencies.

1. General knowledge of relevant public issues affecting local and global communities.
2. In-depth knowledge of one public issue.
3. Knowledge of groups, networks and systems that address or have the ability to impact the public issue.
4. Demonstrated ability in developing a wide range of civic skills, attitudes and beliefs needed to effect change.
5. Demonstrated ability to inform various audiences about the issue.
6. Demonstrated ability to impact a public issue through effective participation in projects, groups, networks, political or civic processes.

Proficiency in the competencies will be demonstrated through a portfolio documenting the student’s accomplishments over the course of his or her college career. During the senior year, students are required to enroll in HONS 496 Civic Honors Senior Seminar, where they will finalize the portfolio. The final requirement for the civic honors designation is a public presentation and defense of the portfolio to a panel consisting of at least one faculty expert on the topic, one community partner involved in the issue, and a representative from the honors program steering committee.

Courses in the Honors Program (HONS)

100 Freshman Honors Seminar ................................................................. 1 cr
Prereq: Consent of director. Freq: Fall.
Provides incoming students who qualify for the honors program an introduction to the honors program and explores how it can provide challenging learning opportunities that will enrich their academic experience, involve them in faculty scholarship and engage them in community and civic issues.

UW-PARKSIDE 2017-19 CATALOG – 224
290 Special Topics ................................................................. 1-3 cr
  Prereq: Admission to honors program and consent of director. Freq: Occasionally.
  Selected topics of interest will be examined.

490 Special Topics .............................................................................3 cr
  Prereq: Admission to honors program and consent of director. Freq: Occasionally.
  Selected topics of interest will be examined.

494 Honors Internship ................................................................. 1-3 cr
  Prereq: Admission to honors program and consent of director. Freq: Fall, Spring.
  Community work experience with investigation of an academic question. Students engage in field work obtaining material
  for an applied research project. May be repeated up to 3 credits.

495 Honors Seminar ................................................................. 1 cr
  Prereq: Admission to honors program and consent of director. Freq: Fall, Spring.
  Critical examination and discussion of the annual theme of the honors program. Content will vary to reflect the interests of
  the participants and faculty. May be repeated for credit.

496 Civic Honors Senior Seminar .............................................. 1 cr
  Prereq: Consent of Instructor. Freq: Fall, Spring.
  Critical examination and discussion of work and study related to a public issue. Culminates in finalization of portfolio and
  preparation for final defense

497 Honors Thesis ................................................................. 1-6 cr
  Prereq: Second-year honors student and consent of director. Freq: Fall, Spring.
  Directed original research project under a professor in the student’s major. Completed work will be presented to the honors
  steering committee. May be repeated up to 6 credits.

499 Independent Study ................................................................. 1-3 cr
  Prereq: Admission to honors program and consent of director. Freq: Occasionally.
  Directed work under the guidance of a supervising professor and the honors program director. May be repeated up to 3
  credits.
INTERNATIONAL STUDIES
UW-PARKSIDE 2017-19 CATALOG
Greenquist 210 • 262-595-2334

College:
Social Sciences and Professional Studies

Degree and Programs Offered:
Bachelor of Arts
Major - International Studies
Minor - International Studies, Asian Studies
Certificates - Asian Studies, Global Skills

Student Activities:
The International Studies program offers a diverse approach to understanding international issues and global processes. We provide a course of instruction and many academic lectures and programs on international studies.

Career Possibilities:
The International Studies program provides excellent training for persons interested in a wide variety of careers, including professional positions in private businesses, government agencies, higher education, non-governmental organizations, or any institution that operates in a global context.

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 from all colleges and is currently composed of: Simon Akindes, Madhumita Banerjee, Elizabeth Brownson, Seif Dana, Kathleen Gillogly, Gail Gonzalez, Stephen Hawk, Farida Khan, Laine Isaacson Philippa, Xun Wang, Zhemin Wang, and John Ward.

Department Overview
International Studies combines courses from various departments to create a broad, interdisciplinary program with a flexible curriculum that emphasizes the knowledge, analytical approaches, and cultural competencies needed to understand the contemporary global system. The program offers a major and a minor in International Studies; a minor and a certificate in Asian Studies; and a Certificate in Global Skills. Students can work within the options available, or work with their advisor to develop their own path of study to suit their particular interests or career goals.

Study Abroad
The International Studies program recognizes that studying abroad, working abroad or doing an internship abroad are excellent complements to the major, minor, or certificate programs and can be a rewarding and life-changing experience for any student. Incorporating study abroad into a student’s college experience enhances the value of any academic program. 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 can be week-, semester-, or year-long programs.

Preparation for Graduate and Professional Programs
The International Studies major provides excellent preparation for individuals interested in law, business administration, and graduate school in fields such as international relations, development studies, area/regional studies, or public policy.
Internships and Research Fellowships
The program can arrange for internships and service learning opportunities in both domestic and international contexts. Summer research fellowships are available through the program on a competitive basis. The center has also developed an internship to prepare students for a profession in international education through office experience in study abroad and international student services.

Program Level Outcomes
Learning Goals:
1. Students will bring interdisciplinary frameworks to understand the world beyond their borders. (KNOWLEDGE)
2. Students will be able to demonstrate that they have the skills to navigate cultural and national differences in diverse ways and understand that the world is interconnected. (SKILLS)
3. Students will develop the skills and abilities to live a meaningful and ethical life and understand their worldview in relation to the worldview of others. (ATTITUDES).

Learning Outcomes:
Upon completion of the major, International Studies students:
1. Can identify major global issues and concepts, comparing and contrasting differences and similarities among regions/ countries (Learning Goal I).
   Components:
   • articulates processes,
   • knows global trends
   • understands global systems
   • economic, cultural, historical, and political similarities and differences
2. Are able to collect and use data to effectively understand and interpret international issues, analyzing them using concepts and methods from different disciplines (Goals II, III)
   Components:
   Knows how to find information from:
   • international agencies,
   • governments,
   • NGOS,
   • Primary sources such as interviews
   • Academic sources
3. Have effective written and verbal communication skills regarding global and international issues, including foreign language skills and/or intercultural knowledge (Goal II)
   Components:
   • Writing papers or communication
   • Presentations
4. Engage in multiple international and intercultural activities and experiences, Appreciate cultural difference and tolerate cultural & national ambiguity, and Reflect on how their national and cultural identities have been shaped (Goal III)

Requirements for the International Studies Major (42 credits)
Students majoring in international studies must complete a total of 42 credits of which 12 credits are introductory or pre-requisite courses.

A. Introductory/Foundation Courses (12 credits)
   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.
1. **Required Course (3 credits)**
   INTS 100  Introduction to International Studies  3 cr

2. **Elective Courses (9 credits)**
   Choose one course from three different groups:
   Many, but not all, of these courses fulfill general education requirements. Consult with your adviser 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.

   **Group I**
   - ECON 120  Principles of Microeconomics  3 cr
   - ECON 121  Principles of Macroeconomics  3 cr
   - POLS 103  Introduction to Comparative Politics  3 cr
   - POLS 104  Introduction to International Relations  3 cr

   **Group II**
   - GEOG 105  Contemporary Human Geography  3 cr
   - GEOG 110  Introduction to Geography - World Regions  3 cr
   - GEOS 109  Fundamentals of Global Climate Change  3 cr

   **Group III**
   - HIST 118  Western Civilization I: Antiquity to 1300  3 cr
   - HIST 126  World History I: Antiquity to 1450  3 cr
   - HIST 127  World History II: 1300-1800  3 cr
   - HIST 128  World History III: 1800 to the Present  3 cr

   **Group IV**
   - HUMA 101  Introduction to the Humanities - World Cultures to 1500  3 cr
   - HUMA 102  Introduction to Humanities - World Cultures 1500-Present  3 cr

   **Group V**
   - ANTH 100  Introduction to Anthropology  3 cr
   - CRMJ 200  Criminal Justice Research Methods  3 cr
   - ENGL 266  Literary Analysis  3 cr
   - GEOG 300  Geographic Methods  3 cr
   - HIST 250  Sources and Methods in History  3 cr
   - POLS 103  Introduction to Asia  3 cr
   - PSYC 300  Research Methods in Psychology  3 cr
   - QM 210  Business Statistics I  3 cr

B. **Core Courses (15 credits)**
Core courses provide the broad comparative and global perspective and theoretical background essential to an international studies major.

1. **Group I (3-4 credits)**
   When choosing a methods course, be sure to consider the prerequisites for that course. This requirement must be completed prior to taking INTS 495. Note: If taking Sociology methods, you must take both SOCA 295 and 300 to meet the requirement.

   **Choose one course:**
   - CRIM 200  Criminal Justice Research Methods  3 cr
   - ENGL 266  Literary Analysis  3 cr
   - GEOG 300  Geographic Methods  3 cr
   - HIST 250  Sources and Methods in History  3 cr
   - POLS 200  Research Methods and Sources  4 cr
   - PSYC 300  Research Methods in Psychology  3 cr
   - QM 210  Business Statistics I  3 cr
SOCA 295 Social Science Research Methods 2 cr
AND
SOCA 300 Topics in Data Collection and Analysis 1-3 cr

2. **Group II (11-12 credits)**
   Take a maximum of two courses from any one department.
   Note: the conditional options below ENGL 346 OR ENGL 347; and SOCA 379 OR ANTH 382.
   
   ANTH 200/INTS 210 Cultural Anthropology 3 cr
   ANTH 382 Environmental Anthropology 3 cr
   OR
   SOCA 379 Society and Environment 3 cr
   COMM 365 Intercultural Communication 3 cr
   COMM 460 Global Media 3 cr
   ECON 308 Economic Development 3 cr
   ECON /INTS 310 International Trade 3 cr
   ENGL 346 Pre-1800 World Literature 3 cr
   OR
   ENGL 347 Post-1800 Modern World Literature 3 cr
   ENGL 358 Film Genres 3 cr
   HIST 313 Colonialism 3 cr
   MGT 446 Global Management 3 cr
   MUSI 332 World of Music 2 cr
   POLS 304 Theories of International Relations 3 cr
   POLS 331 The Politics of Developing Nations 3 cr

C. **Major Elective Course Options (12 credits)**
   Elective options allow students to focus on an area of interest within the broad scope of international studies. A list of currently approved courses for each option is available from your adviser, the Center for International Studies office and the department website. Students may propose an individually designed option, subject to 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 an international studies major adviser.

   **Option A - Globalization and Development**
   Focus on the processes of political, economic and socio-cultural change that accompany globalization and development, with an emphasis on developing nations.

   **Option B - International Relations**
   Focus on the major interactions among nations, including politics, trade and intercultural communication. Also includes consideration of international organizations and non-governmental organizations.

   **Option C - Comparative Cultures and Societies**
   Focus on cross-cultural and comparative study of societies and cultures, including the arts, language, literature, politics and social organization.

   **Option D – International Commerce**
   Focus on commercial and economic relations among nations, including a business perspective as well as national economic policy.
D. Senior Seminar (3 Credits):
INTS 495 Senior Seminar in International Studies 3 cr

Senior Seminar is a capstone course in which students are expected to integrate their studies, especially the selected elective option, and to carry out original research as the basis for a research paper. Senior Seminar is required of all majors in international studies. 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. Consult with your adviser regarding an appropriate research methods course for your particular option or research project interest. Senior Seminar is offered in spring. Students should take it in their senior year or the spring before intended graduation (if in December).

Recommended for the International Studies Major

Each student planning to major in international studies must consult regularly with an international studies faculty adviser to schedule a coherent program consonant with their interests. This is particularly important when selecting elective course options. Students are cautioned to match prerequisite classes with higher level classes within the major.

Languages

The international studies program faculty strongly encourages 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).

Experiential Learning Activities

All majors in international studies are strongly encouraged to take part in experiential learning in international studies. 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, or working/volunteering with an international agency or non-governmental organization in the international arena.

Requirements for the International Studies Minor (18 credits)

The international studies minor consists of 18 credits. The following courses are required:

A. Required Course (3 credits)
INTS 100 Introduction to International Studies 3 cr

B. Core Courses (6 credits)
Choose six credits from two different departments from the list below.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH 200/</td>
<td>Cultural Anthropology</td>
<td>3 cr</td>
</tr>
<tr>
<td>INTS 210</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ANTH 382</td>
<td>Environmental Anthropology</td>
<td>3 cr</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SOCA 379</td>
<td>Society and Environment</td>
<td>3 cr</td>
</tr>
<tr>
<td>COMM 365</td>
<td>Intercultural Communication</td>
<td>3 cr</td>
</tr>
<tr>
<td>COMM 460</td>
<td>Global Media</td>
<td>3 cr</td>
</tr>
<tr>
<td>ECON 308</td>
<td>Economic Development</td>
<td>3 cr</td>
</tr>
<tr>
<td>ECON /</td>
<td></td>
<td></td>
</tr>
<tr>
<td>INTS 310</td>
<td>International Trade</td>
<td>3 cr</td>
</tr>
<tr>
<td>ENGL 346</td>
<td>Pre-1800 World Literature</td>
<td>3 cr</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENGL 347</td>
<td>Post-1800 Modern World Literature</td>
<td>3 cr</td>
</tr>
<tr>
<td>ENGL 358</td>
<td>Film Genres</td>
<td>3 cr</td>
</tr>
<tr>
<td>HIST 313</td>
<td>Colonialism</td>
<td>3 cr</td>
</tr>
</tbody>
</table>
MGT 446  Global Management  3 cr  
MUSI 332  World of Music  2 cr  
POLS 304  Theories of International Relations  3 cr  
POLS 331  The Politics of Developing Nations  3 cr

C. Elective Course (9 credits)
Choose three 3-credit courses, in consultation with an international studies adviser, that meet the requirements from one of the option areas listed below. A list of current approved courses for each of these options is available from your minor adviser, the Center for International Studies 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.

Option B - International Relations
Focus on the major interactions among nations, including politics, trade and intercultural communication. Also includes consideration of international organizations and non-governmental organizations.

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.

Option D - International Commerce
Focus on commercial and economic relations among nations, including a business perspective as well as national economic policy.

Requirements for the Asian Studies Minor (18 credits)
The Asian studies minor consists of 9 credits of core and 9 credits of elective courses.

A. Core Courses (9 credits)
1. Required Course (3 credits)
   INTS/HIST 103  Introduction to Asia  3 cr

2. Elective Core Courses (6 credits)
   ANTH/INTS 228  Peoples of Southeast Asia  3 cr  
   HIST 386  China Since World War II  3 cr  
   HIST 388  Japan Since the Samurai Age: 1868-Present  3 cr  
   SOCA 329  Social Institutions in Contemporary China  3 cr

B. Elective Courses (9 credits)
Choose three courses:
   HIST 384  Ancient and Imperial China  3 cr  
   HIST 385  China from the Opium Wars to World War II  3 cr  
   HIST 387  Japan in the Late Samurai Age: 1400–1867  3 cr  
   LBST 309  Gender, Marriage, and Family in Chinese Society  3 cr  
   SOCA 328  Asians in American Society  3 cr

The courses below count as electives when they focus on Asian languages or a topic on Asia for a senior seminar project. These courses must be pre-approved by the student’s adviser as well as the administrator of the Asian studies minor in order to count toward requirements for the minor. Students should keep in mind that full-time UW-Parkside students may take Asian language classes at Carthage College for credit.
toward their UW-Parkside program; one course in each of the Fall/Spring semesters may be taken for a nominal registration fee. Consult the Advising and Career Center for details.

MODL 103 Modern Language I 4 cr
MODL 104 Modern Language II 4 cr
INTS 495 Senior Seminar in International Studies 3 cr

Requirements for the Asian Studies Certificate (12 credits)
The Asian studies certificate consists 12 credits. The certificate is open to degree and non-degree students.

A. Required Course (3 credits)
INTS/ HIST 103 Introduction to Asia 3 cr

B. Elective Courses (9 credits)
Choose three courses:
ECON 301 Economic Issues of South Asia 3 cr
HIST 384 Ancient and Imperial China 3 cr
HIST 385 China from the Opium Wars to World War II 3 cr
HIST 386 China Since World War II 3 cr
HIST 387 Japan in the Late Samurai Age: 1400–1867 3 cr
HIST 388 Japan Since the Samurai Age: 1868–Present 3 cr
LBST 309 Gender, Marriage, and Family in Chinese Society 3 cr
ANTH/ INTS 228 Peoples of Southeast Asia 3 cr
SOCA 328 Asians in American Society 3 cr
SOCA 329 Social Institutions in Contemporary China 3 cr

The courses below count as electives when they focus on Asian languages or a topic on Asia for a senior seminar project. These courses must be pre-approved by the student’s adviser as well as the administrator of the Asian studies minor in order to count toward requirements for the certificate.

INTS 495 Senior Seminar in International Studies 3 cr
MODL 103 Modern Language I 4 cr
MODL 104 Modern Language II 4 cr

Requirements for the Global Skills Certificate (13 credits)
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. Students are strongly encouraged to keep in mind that both core and options classes may have prerequisites.

A. Required Courses (7 credits)
INTS 100 Introduction to International Studies 3 cr
INTS 301 Global Skills Practicum – Basic Global Skills 1 cr
INTS 302 Global Skills Practicum – Perspectives on Globalization 1 cr
INTS 303 Global Skills Practicum – Political and Economic Systems 1 cr
INTS 304 Global Skills Practicum – Culture and Language 1 cr

UW-PARKSIDE 2017-19 CATALOG – 232
B. Core Course Elective (3 credits)
Choose one:
ANTH 200/ 
INTS 210 Cultural Anthropology 3 cr
ANTH 382 Environmental Anthropology 3 cr
COMM 365 Intercultural Communication 3 cr
COMM 460 Global Media 3 cr
ECON 308 Economic Development 3 cr
ECON 310/
INTS 310 International Trade 3 cr
ENGL 346 Pre-1800 World Literature 3 cr
ENGL 347 Post-1800 World Literature 3 cr
ENGL 358 Film Genres 3 cr
HIST 313 Colonialism 3 cr
MGT 446 Global Management 3 cr
MUSI 332 World of Music 2 cr
POLS 304 Theories of International Relations 3 cr
POLS 331 The Politics of Developing Nations 3 cr
SOCA 379 Society and Environment 3 cr

C. Elective Course Option (3 credits)
Choose one course in consultation with an international studies adviser that meets the requirements for one of the options below. A list of currently approved courses for each option is available from your adviser, the Center for International Studies office and the department website.

Option A - Globalization and Development
Focus on the processes of political, economic and socio-cultural change that accompany globalization and development, with an emphasis on developing nations.

Option B - International Relations
Focus on the major interactions among nations, including politics, trade and intercultural communication. Also includes consideration of international organizations and non-governmental organizations.

Option C - Comparative Cultures and Societies
Focus on cross-cultural and comparative study of societies and cultures, including the arts, language, literature, politics and social organization.

Option D – International Commerce
Focus on commercial and economic relations among nations, including a business perspective as well as national economic policy.

Courses in International Studies (INTS)

100 Introduction to International Studies 3 cr
Prereq: None. Freq: Fall.
The course is intended as a broad introduction to the increasing international impact at the state, community and individual levels. Its objectives include developing practical orientations toward the international experience, such as language and cultural appreciation, social and political tolerance, and environmental adaptation.

103 Introduction to Asia 3 cr
Prereq: None. Freq: Fall.
Covers the social, cultural, economic, religious, literary, and political aspects of life in Asia, including China, India, Japan, Southeast Asia, and their neighboring countries. Cross-listed with HIST 103.

110 American Language and Culture 3 cr
Prereq: Required of entering international students; consent of instructor. Freq: Occasionally.
Cultural and communication patterns in American society, for international students who speak English as a second language.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>205</td>
<td>Orientation to Study Abroad</td>
<td>1 cr</td>
</tr>
<tr>
<td></td>
<td><strong>Prereq:</strong> None.  Freq: Occasionally.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Introduces challenges - academic, social, cultural, linguistic, political and economic – of study abroad. Reviews concepts of culture shock, intercultural sensitivity, cross-cultural communication.</td>
<td></td>
</tr>
<tr>
<td>206</td>
<td>Study Abroad Journaling</td>
<td>2 cr</td>
</tr>
<tr>
<td></td>
<td><strong>Prereq:</strong> None.  Freq: Occasionally.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Instills self-reflection through guided written assignments while studying abroad. Demonstrates understanding of various stages and theories associated with culture shock by applying them to living and studying abroad.</td>
<td></td>
</tr>
<tr>
<td>207</td>
<td>Cross-Cultural Reentry from Study Abroad</td>
<td>1 cr</td>
</tr>
<tr>
<td></td>
<td><strong>Prereq:</strong> None.  Freq: Occasionally.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Reviews the concept of reentry shock or reverse culture shock. Examines the process of reentry, provides strategies for integrating the study abroad experiences with academics, professional goals and personal development.</td>
<td></td>
</tr>
<tr>
<td>210</td>
<td>Cultural Anthropology</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td><strong>Prereq:</strong> ANTH 100 or GEOG 105 or INTS 100.  Freq: Fall.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Basic theoretical concepts and an analysis of cultural systems and social institutions in a cross-cultural frame of reference. Cross-listed with ANTH 200.</td>
<td></td>
</tr>
<tr>
<td>226</td>
<td>Peoples of Africa</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td><strong>Prereq:</strong> ANTH 100 or SOCA 101.  Freq: Fall.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Surveys the societies and cultures of Africa. Discusses history, cultural variation, and contemporary social change. Cross-listed with SOCA 226.</td>
<td></td>
</tr>
<tr>
<td>228</td>
<td>Peoples of Southeast Asia</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td><strong>Prereq:</strong> ANTH 100, GEOG 105 or INTS 100.  Freq: Spring.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Introduces the peoples of culture of Southeast Asia, including the mainland and islands; focuses on cultures, history, socioeconomic conditionals, particularly the everyday life of people. Cross-listed with ANTH 228.</td>
<td></td>
</tr>
<tr>
<td>268</td>
<td>Introduction to Holocaust Studies</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td><strong>Prereq:</strong> English 101 with grade of C- or better or consent of instructor.  Freq: Occasionally.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Examines historical, philosophical and other issues surrounding the Holocaust, using texts by those who experienced the Holocaust. Cross-listed with ENGL 268/HIST 268.</td>
<td></td>
</tr>
<tr>
<td>290</td>
<td>Special Topics in International Studies</td>
<td>1-3 cr</td>
</tr>
<tr>
<td></td>
<td><strong>Prereq:</strong> Consent of instructor.  Freq: Occasionally.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Subject matter is topical. Subject varies; see current course schedule.</td>
<td></td>
</tr>
<tr>
<td>300</td>
<td>International Study Tours</td>
<td>1-6 cr</td>
</tr>
<tr>
<td></td>
<td><strong>Prereq:</strong> Consent of instructor.  Freq: Fall.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Enables students to prepare for and participate in Study Abroad tours in international destinations. Repeatable for a maximum of 6 credits.</td>
<td></td>
</tr>
<tr>
<td>301</td>
<td>Global Skills Practicum: Basic Global Skills</td>
<td>1 cr</td>
</tr>
<tr>
<td></td>
<td><strong>Prereq:</strong> None.  Freq: Yearly.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Introduces essential knowledge and cultural sensitivity needed when traveling, working or communicating on the international level. Topics include cross-cultural comparisons and political issues. Students design solutions to global challenges and link academic work to an applied setting through additional project work.</td>
<td></td>
</tr>
<tr>
<td>302</td>
<td>Global Skills Practicum: Perspectives on Globalization</td>
<td>1 cr</td>
</tr>
<tr>
<td></td>
<td><strong>Prereq:</strong> None.  Freq: Yearly.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Examines various perspectives on contemporary globalization. Topics include internationalization and globalization in business, transnational communities and diaspora, changing global identities, and the shifting loci of power. Students design solutions to global challenges and link academic work to an applied setting through additional project work.</td>
<td></td>
</tr>
<tr>
<td>303</td>
<td>Global Skills Practicum: Political and Economic Systems</td>
<td>1 cr</td>
</tr>
<tr>
<td></td>
<td><strong>Prereq:</strong> None.  Freq: Yearly.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Exposes students to the global context, the increased internationalization of economic relations, and its political ramifications. Topics include foreign investment/trade, economic development, and democratic development. Students design solutions to global challenges and link academic work to an applied setting through additional project work.</td>
<td></td>
</tr>
<tr>
<td>304</td>
<td>Global Skills Practicum: Culture and Language</td>
<td>1 cr</td>
</tr>
<tr>
<td></td>
<td><strong>Prereq:</strong> None.  Freq: Yearly.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Introduces students to the diversity in cultures across the world. Topics include differences in language, food, psychology, religions, family relationships and bodily expressions. Students design solutions to global challenges and link academic work to an applied setting through additional project work.</td>
<td></td>
</tr>
</tbody>
</table>
310  International Trade  3 cr  
Prereq: ECON 120. Freq: Occasionally.  
Examines theories of international trade, government policy toward international trade, and international trading arrangements and institutions. Cross-listed with ECON 310, 510.

334  Resistance  3 cr  
Prereq: Junior standing or consent of instructor. Freq: Yearly.  
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 other. Cross-listed with POLS 334.

390  Special Topics in International Studies  1-3 cr  
Prereq: Consent of instructor. Freq: Occasionally.  
Selected topics in international studies are examined. Subject varies; see current course schedule.

400  Non-UW-Parkside Study Abroad  0 cr  
Prereq: Enrollment in approved semester study abroad program. Freq: Fall, Spring.  
This course allows students to retain their good standing at UW-Parkside while they participate in non-UW-Parkside academic study abroad programs.

401  Exchange Agreement Study Abroad  0 cr  
Prereq: Enrollment in approved semester exchange agreement program. Freq: Fall, Spring, Summer.  
Provides a placeholder allowing students to retain their good standing at UW-Parkside while participating in an exchange agreement study abroad program.

405  Internship in International Education Services  1-3 cr  
Prereq: Junior standing, major/minor in international studies, consent of instructor and program director. Freq: Spring.  
The internship provides 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.

411  International Monetary Economics  3 cr  
Prereq: ECON 121; ECON 321 recommended. Freq: Occasionally.  
Examines foreign exchange markets, international monetary arrangements and investments, theories of balance of payments and exchange rates, open economy macroeconomics. Cross-listed with ECON 411, 611.

490  Special Topics in International Studies  1-3 cr  
Prereq: Consent of instructor. Freq: Occasionally.  
Selected topics in international studies are examined. Subject varies; see current course schedule.

494  Internship in International Studies  1-3 cr  
Prereq: Junior or senior standing and consent of program director; Freq: Fall, Spring, Summer.  
Enables a student’s paid or unpaid employment in an international context to count towards their academic program, and gives them an opportunity to reflect on the connection between their academic learning and the workplace. Does not provide credit specifically toward the INTS major, but does count for credit toward overall degree programs.

495  Senior Seminar in International Studies  3 cr  
Prereq: Completion of major or minor requirements or consent of instructor and program director; a research methods course. Freq: Yearly.  
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.

499  Independent Study  1-4 cr  
Prereq: Consent of instructor and program director. Freq: Fall, Spring, Summer.  
Available to qualified students under supervision of instructor. Topic must be mutually agreed upon between professor and student.
LIBERAL STUDIES
UW-PARKSIDE 2017-19 CATALOG
RITA/CART 235/221 • 262-595-2139/2609

College:
Arts and Humanities

Degree and Programs Offered:
Bachelor of Arts

Major - Liberal Studies
Certificate – Leadership

Major Concentrations - Cinema and Film Studies; Humanities; Social Sciences Studies; Organizational Studies; and Women's, Gender, and Sexuality Studies

Career Possibilities:
There are many possible careers for liberal studies graduates, depending on how students plan their coursework. Graduates of the program may enroll in graduate programs, including business and law school, while others may find employment in a diverse range of occupations, including teaching, finance, graphic design, and the legal field.

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 a suitable degree-completion option for transfer and returning students, including working adults interested in career advancement.

VISION
We believe that students educated in the liberal arts tradition will have the skills to meet the many challenges of today's workplace. Moreover, students who have the flexibility to choose advanced classes in multiple disciplines 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 flexible 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 degree is ideal preparation for graduate programs in the traditional liberal arts disciplines and other post-baccalaureate professional programs, such as law school.

Requirements for the Liberal Studies Major (30-48 credits)
Students choose from five concentrations within the liberal studies major: cinema and film studies; humanities; social sciences studies; organizational studies; and women’s, gender, and sexuality studies.

A. Requirements for the Liberal Studies with Humanities Concentration (36 credits)
1. Foundational Courses (6 credits)
   At this stage, students work in many different disciplines to (1) explore areas of intellectual inquiry; (2) work on the basics of writing/communicating; (3) read widely and think critically; (4) sharpen study skills; (5) begin viewing the world from multiple, global perspectives; (6) lay the foundation of basic knowledge necessary for more advanced work in individual disciplines. Students are fulfilling general education requirements, which should complement the introduction to humanities and encourage connections between classes and fields of knowledge.
   
   Choose two courses:
   HUMA 101 Introduction to Humanities: World Cultures to 1500 3 cr
   HUMA 102 Introduction to Humanities: World Cultures 1500 to Present 3 cr
   HUMA 103 Diversity in the United States 3 cr
   
   Note: In addition to the HUMA survey courses, students need to select other general education classes at the 100-level, taking care to meet prerequisites for 200-level skills/methods courses offered by individual disciplines. For example, a student wishing to take HIST 250 need to have taken an additional HIST at the 100-level; 200-level PSYC classes require PSYC 101 completion.

2. Skills or Methods Courses (9 credits)
   At this stage, students will move beyond the basics, gaining skills and knowledge necessary to perform well in more specialized classes for majors in two or more disciplines. Many of these courses are “gateway” classes, i.e. they are prerequisites for courses at the 300-400 level. Students should choose classes carefully, with an eye toward the topics and fields they want to explore in greater depth.
as they map out their 300-400-level course work.

Choose three courses (from at least two different departments):

COMM 207 Introduction to Communication Discipline, Part I 3 cr
COMM 208 Introduction to Communication Discipline, Part II 3 cr
ENGL 201 Advanced Composition 3 cr
ENGL 202 Technical Writing 3 cr
ENGL 204 Writing for Business and Industry 3 cr
ENGL 206 Creative Writing-Poetry 3 cr
ENGL 207 Creative Writing-Fiction 3 cr
ENGL 266 Literary Analysis 3 cr
HIST 250 Sources and Methods in History 3 cr
HUMA 252 Introduction to Film 3 cr
ISTD 200 Introduction to Leadership 3 cr
OR
Any 200-level language, art, music, theater, or philosophy course. Other 200-level, non-general education classes (for example, in the social and behavior sciences) may be used to fulfill this requirement, subject to approval of the director and steering committee, in consultation with the student and adviser.

3. Major Concentration (18 credits)
A combination of 300-400 level courses, selected in consultation with adviser, totaling 18 credits. At this level, students should consider not only how classes help achieve competency goals, but how course choices enhance future career plans. Consider courses which will help the student bring unique skills, knowledge, perspectives, and experience into the profession.

4. Senior Seminar Project (3 credits)
LBST 498 Senior Seminar Project 3 cr

B. Requirements for the Liberal Studies with Social Science Studies Concentration (45-46 credits)
The distinguishing feature of the second concentration option is the independently designed theme. Working with the liberal studies adviser, students design a course of study built around a particular theme or problem in the social and behavioral sciences. Students will be accepted as liberal studies majors and allowed to proceed with an independently designed theme after that program of study has been designed in consultation with the program adviser.

1. Introductory Courses (9 credits)
Choose three courses (from at least two different departments):
ANTH 100 Introduction to Anthropology 3 cr
ANTH 201 Introduction to Archaeology 3 cr
COMM 107 Communication and the Human Condition 3 cr
COMM 108 Media and Society 3 cr
ECON 101 The American Economy 3 cr
GEOG 100 Physical Geography and the Environment 3 cr
GEOG 105 Contemporary Human Geography 3 cr
GEOG 110 Introduction to Geography-World Regions 3 cr
HIST 102 The United States, Reconstruction to Recent Times 3 cr
HIST 120 Western Civilization III: From 1815 to the Present 3 cr
POLS 100 American Politics 3 cr
POLS 104 Introduction to International Relations 3 cr
POLS 105 Introduction to Politics 3 cr
PSYC 101 Introduction to Psychological Science 3 cr
SOCA 101 Introduction to Sociology 3 cr
WGSS 110 Introduction to Women’s, Gender and Sexuality Studies 3 cr

2. Methodology Courses (3-4 credits)
Choose one course:
GEOG 300 Geographic Methods 3 cr
HIST 250 Sources and Methods in History 3 cr
ISTD 250 Consumer Statistics 3 cr
POLS 200 Research Methods and Sources 4 cr
PSYC 300 Research Methods in Psychology 3 cr
SOCA 250 Statistics for the Social Sciences 4 cr
OR
QM 210 Business Statistics I 3 cr
SOCA 295 Social Science Research Methods* 2 cr
*This is a 2-credit course. Students who opt to complete it must consult with the interdisciplinary studies adviser with regard to the additional required credit.

3. Scope of Coverage Courses (12 credits)
Choose one 3-credit course from four of the following disciplines: communication, economics, geography, history, political science, psychology, sociology/anthropology, or women’s, gender and sexuality studies. The purpose of the scope of coverage requirements is to ensure the interdisciplinary nature of the student’s program.

Courses identified as meeting the requirements of the scope of coverage section of the major may also be counted under sections A, B, and D.

4. Theme Courses (18 credits)
The 18 credits must revolve around or be related to some central theme or issue which the student has identified within the social and behavioral sciences. Some examples of themes chosen by current students and approved by the review committee are as follows:

- The American Worker in Adaptation to Change
- Poverty and Social Welfare
- Crime and Psychological Problems Among Children
- Illiteracy in America
- Ethnicity and Political/Social Patterns in the U.S.
- Politics and Mass Communication
- Healthcare
- Environment Policy
- Public Education

The 18 credits of the theme must meet the following requirements:

a. At least 15 credits must be at the 300/400 level.
b. No more than 12 credits can be from one single department.
c. No more than 6 credits can be earned by directed or independent study.
d. Introductory and methods courses cannot count toward the 18 required credits in the theme.

5. Senior Seminar Project (3 credits)
LBST 498 Senior Seminar Project 3 cr

C. Requirements for the Liberal Studies with Organizational Studies Concentration (36-37 credits)
The organizational studies concentration is designed to help students understand the structures, operations, and functions of complex organizations in both public and private sector settings. Faculty members from a number of academic disciplines, including sociology/anthropology, economics, psychology, geography, history, political science, communication, philosophy, and business, provide students with a multidimensional, multiperspective, comprehensive understanding of complex organizations in our society.
1. **Foundational Courses (9 credits)**
   - ISTD 345  Organization Theories  3 cr
   - Plus 6 credits of 100- or 200-level work in the behavioral and/or social sciences, one of which may be:
     - ISTD 200  Introduction to Leadership  3 cr

2. **Statistics Course (3-4 credits)**
   Choose one:
   - ISTD 250  Consumer Statistics   3 cr
   - POLS 200  Research Methods and Sources  4 cr
   - PSYC 250  Psychological Statistics  3 cr
   - QM 210  Business Statistics I  3 cr
   - SOCA 250  Statistics for the Social Sciences  4 cr
   Consult with instructor regarding prerequisites.

3. **Concentration Courses (21 credits)**
   Choose 21 credits with no more than 9 credits from one area as listed below or from the UW-Parkside catalog with consultation with your adviser.

   **History/Political Science/Geography**
   - GEOG 340  Political Geography  3 cr
   - GEOG 360  Urban Geography  3 cr
   - ETHN 302  Race/Ethnicity in the United States of American 1890 to the Present  3 cr
   - HIST/ETHN 333  Contemporary American Immigration  3 cr
   - POLS 202  Public Policy  3 cr

   **Economics/Business**
   - ECON 380  The Labor Market  3 cr
   - HRM 343  Human Resource Management  3 cr
   - MGT 349  Organizational Behavior  3 cr
   - MGT 447  Management Techniques  3 cr
   - MIS 320  Management Information Systems  3 cr
   - MKT 350  Marketing Principles  3 cr

   **Psychology/Sociology**
   - ISTD 300  Human Resource Issues  3 cr
   - ISTD 346  Interorganizational Relationships  3 cr
   - PSYC 307  Cross-Cultural Psychology  3 cr
   - PSYC 330  Interviewing  3 cr
   - SOCA 304  Skill Development in Leadership  3 cr
   - SOCA 306  Research in Community Needs  3 cr
   - SOCA 326  Social Gerontology  3 cr
   - SOCA 372  Technology and Society  3 cr
   - SOCA 373  Formal Organization  3 cr

   **Communication**
   - COMM 285  Introduction to Conflict Analysis and Resolution  3 cr
   - COMM 303  Organizational Communication  3 cr
   - COMM 365  Intercultural Communication  3 cr
   - COMM 385  Conflict Mediation  3 cr
   - ENGL 204  Writing for Business and Industry  3 cr
   - ISTD 492  Practicum in Leadership  3 cr

4. **Senior Seminar Project (3 credits)**
   - LBST 498  Senior Seminar Project  3 cr
D. Requirements for the Liberal Studies with Cinema and Film Studies Concentration (48 credits)

The cinema and film studies concentration is an interdisciplinary degree option focusing on the aesthetics, history, and social impact of this visual and narrative art form. Students choosing the cinema and film studies concentration will choose foundational courses at the introductory level on literary, visual and performing arts, and humanistic scholarship. In their core and upper-level elective courses, students will explore the history of film, the intersection of film and the other arts, and may gain experience in use of video and digital editing equipment or in related visual arts media. Students at all levels will have the opportunity to explore film from various disciplinary perspectives by choosing approved courses from several different departments. The Senior Seminar Project (LBST 498) is a capstone experience, which will allow students to develop a film-related creative project or critical essay to address the liberal studies competencies; this class is taken along with graduating seniors in other liberal studies concentrations.

1. Foundational Courses (15 credits)

Choose from at least two different departments:

- ART 104  Introduction to Digital Art  3 cr
- ART 122  Introduction to Drawing  3 cr
- ART 125  Survey of World Art  3 cr
- ART 126  Modern and Contemporary Art: 1900 to Present*  3 cr
- COMM 108  Media and Society  3 cr
- ENGL 167  Introduction to Literature  3 cr
- ENGL 266  Literary Analysis  3 cr
- HUMA 101  Introduction to Humanities: World Cultures to 1500  3 cr
- HUMA 102  Introduction to Humanities: World Cultures 1500 to Present  3 cr
- PHIL 213  Aesthetics  3 cr
- THEA 124  Basic Acting  3 cr
- THEA/WGSS 215  LGBTQ Representation on Stage and Screen  3 cr

2. Core Courses (15 credits)

Required Courses (9 credits):

- HUMA 252  Introduction to Film  3 cr
- ENGL 258  History of Film to 1950  3 cr
- ENGL 259  History of Film from 1950  3 cr

Elective Courses (6 credits):

Choose 200-level courses from the following departments: art, communication, modern languages and/or theatre arts. Students cannot use 200-level courses to fulfill this core requirement if they are counting toward the foundational courses.

200-level special topics courses may substitute for one of the required core courses (up to 3 credits) if they have substantial film component and are approved in advance by the cinema and film studies adviser. Some departments that offer film-related special topics courses are:

- ART 290  Selected Topics in Art
- ENGL 290  Special Topics in English
- LBST 290  Special Topics in Liberal Studies
- PHIL 290  Special Topics in Philosophy
- POLS 290  Special Topics in Political Science
- WGSS 290  Special Topics in Women’s, Gender and Sexuality Studies

At this stage, students pay close attention to prerequisites for 300-400 level work students may be considering in any of these disciplines. ART 104, for example, is a prerequisite for ART 364.
3. Elective Courses (15 credits)
Choose five 300-400 level courses in at least two departments in consultation with major adviser:

- ART 364 Digital Video 3 cr
- ENGL 358 Film Genres* 3 cr
- ENGL 458 Studies in Film* 3 cr
- COMM 350 Digital Storytelling 3 cr
- COMM 360 Contemporary Media Industries 3 cr
- COMM 463 Gender, Race, Class, and Sexualities in Media 3 cr
- THEA 345 Playwriting I 3 cr
- THEA 355 Theatre History and Literature to 1660 3 cr
- THEA 356 Theatre History and Literature from 1660 to 1915 3 cr
- THEA 357 Theatre History and Literature from 1915 to Today 3 cr

*Courses may be repeated for credit with a different topic.

Other 300-400 level courses may be used if they have substantial film component and are approved in advance by the cinema and film studies advise.

4. Senior Seminar Project (3 credits)
LBST 498 Senior Seminar Project 3 cr

E. Requirements for the Liberal Studies with Women's, Gender and Sexuality Studies Concentration (30 credits)

1. Introductory Courses (6 credits)
- WGSS 110 Introduction to Women's, Gender, and Sexuality Studies 3 cr
- One course in Feminist Theories 3 cr
  (Appropriate classes offered in English, history, philosophy, communication, psychology, etc., with approval of program director.)

2. Concentration Courses (9 credits)
Choose from at least two of the following three areas:

Humanities and Art
- COMM 315 Communication and Gender 3 cr
- COMM 463 Gender, Race, Class, and Sexualities in Media 3 cr
- ENGL 417 Studies in British Literature: British Women Novelists Topic 3 cr
- ENGL 464 Studies in Cultural Trends: Gay and Lesbian Literature Topic 3 cr
- ENGL 469 Women as Writers and Characters 3 cr
- PHIL 290 Special Topics in Philosophy: Feminism in Philosophy Topic 3 cr
- THEA/WGSS 215 LGBTQ Representation on Stage and Screen 3 cr
- WGSS 112 Women in Literature 3 cr

Social Sciences
- CRMJ 366 Women, Crime, and Criminal Justice 3 cr
- HIST 236 Women in Modern Society 3 cr
- MGT 446 Global Management 3 cr
- POLS 203 Women, Power, and Politics 3 cr
Requirements for the Leadership Certificate (12 credits)
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.

A. Required Courses (6 credits)
- ISTD 200 Introduction to Leadership 3 cr
- ISTD 492 Practicum in Leadership 3 cr

B. Elective Courses (6 credits)
Choose two courses:
- ISTD 300 Human Resource Issues 3 cr
- COMM 285 Introduction to Conflict Analysis and Resolution 3 cr
- SOCA 304 Skill Development in Leadership 3 cr
- SOCA 306 Research in Community Needs 3 cr

Courses in Humanities (HUMA)
101 Introduction to Humanities: World Cultures to 1500 3 cr
Prereq: None. Freq: Fall.
A thematic and comparative approach to the history of world cultures, focusing on the West, but including significant material from a variety of non-Western cultures, with particular emphasis on political movements, literature, fine arts, religion, and philosophy from prehistory to 1500.

102 Introduction to Humanities: World Cultures 1500 to Present 3 cr
Prereq: None. Freq: Spring.
Offers thematic and comparative approach to the history of world cultures, focusing on the West, but including significant material from a variety of non-Western cultures, with particular emphasis on political movements, literature, fine arts, religion, and philosophy from 1500 to present.

103 Diversity in the United States 3 cr
Prereq: None. Freq: Fall, Spring.
Offers thematic and comparative approach to the history and culture of the United States, focusing on one or more of the diverse groups that comprise that culture.

200 Humanistic Studies 3 cr
Prereq: ENGL 101 with a grade of C- or better or the consent of instructor. Freq: Occasionally.
Introduces to philosophies, methods, and issues in the humanities.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites</th>
<th>Frequency</th>
</tr>
</thead>
<tbody>
<tr>
<td>252</td>
<td>Introduction to Film</td>
<td>3 cr</td>
<td>None. Freq: Yearly.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Investigates the distinctive elements and techniques of film as art and the relationship of film to society. Cross-listed with ENGL 252.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>341</td>
<td>Aesthetic Values</td>
<td>3 cr</td>
<td>HUMA 200 or consent of instructor. Freq: Occasionally. Explores the nature of aesthetic judgments and their justification in aesthetic discourse, and the nature and role of art in human life, focusing in particular on the visual arts and music.</td>
<td></td>
</tr>
<tr>
<td>342</td>
<td>Ethical Values</td>
<td>3 cr</td>
<td>HUMA 200 or consent of the instructor. Freq: Occasionally. Exploration of the nature of ethical judgments and their justification in ethical discourse, and the role of ethical values in the human pursuit of the good.</td>
<td></td>
</tr>
<tr>
<td>343</td>
<td>Knowledge and Understanding</td>
<td>3 cr</td>
<td>HUMA 200 or consent of the instructor. Freq: Occasionally. Exploration of the place of knowledge in human life, the ways in which knowledge is hindered and acquired, and the way in which cultural norms and knowledge interact.</td>
<td></td>
</tr>
<tr>
<td>396</td>
<td>Humanities Colloquium</td>
<td>1 cr</td>
<td>None. Freq: Occasionally. In-depth approach to a single experience such as attending a play, visiting a museum, or reading a novel. Significant course project will be required. May be repeated for credit with different topic. May require a course fee.</td>
<td></td>
</tr>
<tr>
<td>468</td>
<td>Holocaust Studies</td>
<td>3 cr</td>
<td>Junior standing or consent of the instructor. Freq: Occasionally. Intensive study of 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/IHIST 468.</td>
<td></td>
</tr>
</tbody>
</table>

**Courses in Interdisciplinary Studies (ISTD)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites</th>
<th>Frequency</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>Introduction to Leadership</td>
<td>3 cr</td>
<td>None. Freq: Fall, Spring. Introduces principles of leadership from an interdisciplinary theoretical perspective. Provides the opportunity to practice some of those principles. Also introduces skills, such as self-assessment, communication strategies, understanding group dynamics and working in coalitions, setting goals while remaining flexible, and managing conflict.</td>
<td></td>
</tr>
<tr>
<td>250</td>
<td>Consumer Statistics</td>
<td>3 cr</td>
<td>Math through high school algebra. Freq: Occasionally. Consumer statistics is an overview course. It covers a variety of numerical analysis applications while avoiding using words like numerical analysis. This course is intended to help students become knowledgeable consumers of statistical reports, not producers.</td>
<td></td>
</tr>
<tr>
<td>300</td>
<td>Human Resource Issues</td>
<td>3 cr</td>
<td>SOCA 100 or 101 or consent of instructor. Freq: Fall. Identifies a theoretical model of human resource management and explores diverse issues in the workplace, such as external staffing; training and development of employees; compensation; labor relations, including federal and state employment law; and employee security, health and safety.</td>
<td></td>
</tr>
<tr>
<td>307</td>
<td>Project Planning</td>
<td>3 cr</td>
<td>ISTD 200. Freq: Occasionally. Examines the processes involved in initiating, planning, executing, controlling and closing projects. Students obtain skills in leadership, team building, coaching, planning, performance appraisal and staff management with the focus on achieving project goals. Students learn how to design organizational and communication structures that best use the resources available.</td>
<td></td>
</tr>
<tr>
<td>308</td>
<td>Project Time and Cost Management</td>
<td>3 cr</td>
<td>ISTD 200, 307. Freq: Occasionally. Explores project scope, time, cost, quality and risk management along with the concepts of earned value, variance analysis and resource constraints. Develops skills necessary to bring projects in on time and within budget.</td>
<td></td>
</tr>
<tr>
<td>345</td>
<td>Organization Theories</td>
<td>3 cr</td>
<td>None. Freq: Fall. Introduces theories of large-scale, complex organizations that have their origins in a variety of fields and disciplines including sociology, public administration, educational administration and business administration. Applies theories to the analysis of organizations including private businesses, government agencies, not-for-profit service organizations, hospitals, religious organizations, prisons, the military and schools.</td>
<td></td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
<td>Credits</td>
<td>Prerequisites</td>
<td>Frequency</td>
</tr>
<tr>
<td>-------------</td>
<td>-------------------------------------------------------</td>
<td>---------</td>
<td>--------------------------------------------------------------------------------------------------</td>
<td>--------------------</td>
</tr>
<tr>
<td>346</td>
<td>Interorganizational Relationships</td>
<td>3 cr</td>
<td>None. Freq: Spring. Emphasizes social and cultural context in which organizations exist and function and the ways in which that context leads to changes in the structure of organizations. Investigates conditions under which organizations are created, grow, establish relations with their environments, develop strategies for survival.</td>
<td></td>
</tr>
<tr>
<td>367</td>
<td>Latinos(as) and the Law</td>
<td>3 cr</td>
<td>CRMJ 101 or POLS 100 or consent of instructor. Freq: Occasionally. Introduces and examines experiences Latinos(as) encounter with and within the U.S. criminal justice system, as well as related international and transnational issues. A range of theoretical frameworks will be utilized, including socio-ecological, political, and psychological. Cross-listed with CRMJ 367/POLS 367</td>
<td></td>
</tr>
<tr>
<td>492</td>
<td>Practicum in Leadership</td>
<td>3 cr</td>
<td>ISTD 200 and two other leadership courses or consent of instructor. Freq: Spring. Supports students as they complete the capstone project for the leadership certificate.</td>
<td></td>
</tr>
</tbody>
</table>

**Courses in Liberal Studies (LBST)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites</th>
<th>Frequency</th>
</tr>
</thead>
<tbody>
<tr>
<td>100</td>
<td>Introduction to the Disciplines: Humanities and the Arts</td>
<td>3 cr</td>
<td>Freshman or sophomore standing. Freq: Occasionally. Explores the nature, history, overarching questions and notable figures in the Humanities and the Arts such as: art, communication, English, ethnic studies, liberal studies, modern languages, music, theatre, public speaking and women's, gender and sexuality studies. Topics include an explanation of the UW-P General Education Program and may include information about academic success issues.</td>
<td></td>
</tr>
<tr>
<td>108</td>
<td>Prior Learning Assessment Portfolio Development</td>
<td>3 cr</td>
<td>Consent of program director. Freq: Fall, Spring, Summer. Provides guidance for portfolio development to obtain credit for prior learning. Students will gain an overview of adult learning and distance education. Students learn to select, categorize, evaluate, and document achievements and accomplishments for review and assessment related to educational goals, academic placement, and the awarding of college credit. Offered through the Council for Adult and Experiential Learning (CAEL) or by the department.</td>
<td></td>
</tr>
<tr>
<td>168</td>
<td>Student Leadership</td>
<td>3 cr</td>
<td>Acceptance to office of admissions and new student services orientation program. Instructor consent. Freq: Spring. Provides practical opportunities to learn and grow in preparation of your employment with the office of admissions and new student services.</td>
<td></td>
</tr>
<tr>
<td>290</td>
<td>Special Topics in Liberal Studies</td>
<td>1-3 cr</td>
<td>Consent of instructor. Freq: Occasionally. Special topics in liberal studies will be examined. May be repeated for credit with different topic.</td>
<td></td>
</tr>
<tr>
<td>297</td>
<td>Crossroads in Liberal Studies and Leadership</td>
<td>3 cr</td>
<td>Consent of instructor and a UW-Parkside grade point average of 2.000 minimum. Freq: Fall, Spring. Emphasizes critical reflection on courses and other experiences comprising the A.A. in Liberal Studies and Leadership. Students will plan future education and career goals and develop strategies for accomplishing these goals.</td>
<td></td>
</tr>
<tr>
<td>298</td>
<td>Crossroads in Professional Studies</td>
<td>3 cr</td>
<td>Consent of instructor and a UW-Parkside grade point average of 2.000 minimum. Freq: Fall, Spring. Emphasizes critical reflection on courses and other experiences comprising the A.A. in Professional Studies. Students will plan future education and career goals and develop strategies for accomplishing these goals.</td>
<td></td>
</tr>
<tr>
<td>309</td>
<td>Gender, Marriage and Family in Chinese Society</td>
<td>3 cr</td>
<td>Consent of instructor. Freq: Occasionally. Examines various aspects of gender, marriage and family life in Chinese societies (Mainland China, Taiwan, and Chinese-American communities in the United States). Topics include gender roles, Sexuality, mate selection, marriage, family process, parenthood, family structure, elderly care, divorce and remarriage, and changing family systems. Cultural comparison will be emphasized.</td>
<td></td>
</tr>
<tr>
<td>390</td>
<td>Special Topics in Liberal Studies</td>
<td>1-3 cr</td>
<td>Consent of instructor. Freq: Occasionally. Special topics in liberal studies will be examined. May be repeated for credit with different topic.</td>
<td></td>
</tr>
<tr>
<td>490</td>
<td>Special Topics in Liberal Studies</td>
<td>1-3 cr</td>
<td>Junior standing or consent of instructor. Freq: Occasionally. Examines special topics in liberal studies. May be repeated for credit with different topic.</td>
<td></td>
</tr>
</tbody>
</table>
494  Internship in Liberal Studies  1-4 cr
Prereq: Liberal studies major, junior standing, and consent of instructor. Freq: Fall, Spring
Directed field experience, focusing on application of scholarly concepts to the workplace. Specific arrangements to be
made in consultation with adviser. Maximum of 4 credits may be applied to the major.

498  Senior Seminar Project  3 cr
Prereq: Liberal studies major, senior standing, and consent of instructor. Freq: Fall, Spring.
Enables students to apply the knowledge and competencies of Liberal Studies to a senior project.

499  Independent Study  1-3 cr
Prereq: Liberal studies major, junior standing, and consent of instructor. Freq: Fall, Spring, Summer.
Individual study of selected topics in Liberal Studies.
College:
Natural and Health Sciences

Degree and Programs Offered:
Bachelor of Science

Majors - Mathematics, Physics
Minors - Mathematics, Physics

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).
5. Search for knowledge in independent and responsible ways.
Requirements for Admission to the Mathematics Major
To be eligible for entrance into the mathematics major students must have successfully completed MATH 221 and 222 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 adviser to set up a program of study.

Requirements for the Mathematics Major (41-47 credits)
The major in mathematics includes options in pure and applied mathematics and teaching mathematics in middle childhood through early adolescence. 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 adviser, 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.

A. Core Courses Required (23 credits)
These courses provide the background concepts and techniques required in upper-level mathematics offerings.

- MATH 221 Calculus and Analytic Geometry I 5 cr
- MATH 222 Calculus and Analytic Geometry II 5 cr
- MATH 223 Calculus and Analytic Geometry III 5 cr
- MATH 301 Linear Algebra 4 cr
- MATH 303 Set Theory, Logic and Proof 4 cr

B. Choose One Option for Completion (20-24 credits)

1. General Mathematics Option (20-24 credits)
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.

   a. Required Math Courses (4 credits)
   Choose one course:
   - MATH 350 Advanced Calculus 4 cr
   - MATH 451 Topology 4 cr

   b. 300-Level Math Elective 3 Courses (10-12 credits)
   - MATH 310 Advanced Probability Theory and Statistics 4 cr
   - MATH 317 Differential Equations and Their Applications 4 cr
   - MATH 331 Logic and Combinatorics 3 cr
   - MATH 361 Foundations of Geometry 3 cr
   - MATH 367 Elementary Number Theory 4 cr

   c. 400-Level Math Elective (6-8 credits)
   Choose two 400-level courses (not MATH 495 or 499)

2. Applied Mathematics Option (18 credits)
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.
a. Required Math Courses (14 credits)
   - MATH 310 Advanced Probability Theory and Statistics 4 cr
   - MATH 317 Differential Equations and Their Applications 4 cr
   - MATH 368 Mathematical Modeling 3 cr
   Choose one course:
   - MATH 401 Applied Mathematics 3 cr
   - PHYS 401 Mathematical Methods of Physics 3 cr

b. Math Elective Course (4 credits)
   Choose one course:
   - MATH 423 Complex Analysis 4 cr
   - MATH 441 Abstract Algebra 4 cr

Teacher Education Licensure in Mathematics and Physics
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 the mathematics and physics department and the Institute of Professional Educator Development (IPED).

The requirements for teacher licensure are specific and therefore students must meet with the IPED Adviser to coordinate the major and teacher education curriculum. It is very important to contact the IPED adviser at 262-595-2180 or Molinaro D111 as soon as possible. Students are required to seek advising each semester from both the IPED Adviser and the mathematics and physics 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

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.

Requirements for the Computer Science/ Mathematics Double Major (89-90 credits)
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, together with the following mathematics courses (which automatically satisfy the computer science breadth requirement):

Required Math Courses (30 credits)
   - MATH 222 Calculus and Analytic Geometry II 5 cr
   - MATH 223 Calculus and Analytic Geometry III 5 cr
   - MATH 301 Linear Algebra 4 cr
   - MATH 303 Set Theory, Logic and Proof 4 cr
   - MATH 317 Differential Equations and Their Applications 4 cr
   - MATH 350 Advanced Calculus 4 cr
   OR
   - MATH 367 Elementary Number Theory 4 cr
   - MATH 441 Abstract Algebra 4 cr

Students completing the computer science/mathematics double major are strongly encouraged to take CSCI 331 as one of their electives.
Requirements for the Mathematics Minor (25-27 credits)
To earn a mathematics minor students must complete a minimum of 25 credits in mathematics by completing the four required courses and at least two other upper level courses, one of which must be at the 400-level.

A. Required Math Courses (19 credits)
   MATH 221 Calculus and Analytic Geometry I  5 cr
   MATH 222 Calculus and Analytic Geometry II  5 cr
   MATH 223 Calculus and Analytic Geometry III 5 cr
   MATH 301 Linear Algebra    4 cr

B. Math 400-level Elective (3-4 credits)
   Choose one 400-level course (not MATH 495 or 499) 3-4 cr

C. Math Additional Upper-level Elective (3-4 Credits)
   Choose one 300- or 400-level course    3-4 cr
   (not MATH 495 or 499)

Requirements for the Elementary Mathematics Minor (31 credits)
To earn an elementary mathematics minor students must complete a minimum of 31 credits and have a declared elementary education or special education major.

A. Required Math Courses (22-23 credits)
   MATH 221 Calculus and Analytic Geometry I  5 cr
   MATH 222 Calculus and Analytic Geometry II  5 cr
   MATH 223 Calculus and Analytic Geometry III 5 cr
   Choose one:
   MATH 301 Linear Algebra    4 cr
   MATH 303 Set Theory, Logic and Proof  4 cr
   Choose one:
   MATH 361 Foundations of Geometry   3 cr
   MATH 367 Elementary Number Theory  4 cr

B. Required Education Courses (9 credits)
   EDU 212 Mathematics for Elementary and Middle School Teachers   3 cr
   EDU 431 Teaching Developmental Math Concepts, K-2    3 cr
   EDU 442 Teaching Developmental Math Concepts, 3-8  3 cr

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. MATH 10, MATH 11, MATH 15, MATH 16 and MATH 111 are not replacements for high school mathematics courses.

Computational Skills Requirement
Students satisfy this requirement with the completion of either MATH 102 or MATH 103 for 3 credits or MATH 111 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 or MATH 111. Students must complete computational skills within their first 60 academic credits.
Placement Examination
Mathematics Placement is by UW Mathematics Placement Test scores. It is possible as well to take a placement test. This examination serves as a guide for placement in mathematics courses. Placement in mathematics courses is usually made at the following levels:

1. MATH 10, MATH 15, MATH 102, MATH 103 or MATH 111 – 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, MATH 113 or MATH 114 – students with three years of high school mathematics.
3. MATH 221 – students with four years of high school mathematics.

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.

Requirements for Admission to the Physics Major
To be eligible for entrance into the physics major students must have successfully completed MATH 221, 222 and PHYS 201, 202 with a grade of C or better in each, or at the discretion of the Department.

Requirements for the Physics Major (65 credits)
The physics major consists of at least 42 credits of core courses and a minimum of 23 credits of support courses, in addition to the general university requirements. At least 15 credits of upper level courses must be completed at UW-Parkside.

A. Required Core Courses (42 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 201</td>
<td>General Physics I</td>
<td>5 cr</td>
</tr>
<tr>
<td>PHYS 202</td>
<td>General Physics II</td>
<td>5 cr</td>
</tr>
<tr>
<td>PHYS 205</td>
<td>Modern Physics</td>
<td>3 cr</td>
</tr>
<tr>
<td>PHYS 241</td>
<td>Scientific Programming</td>
<td>3 cr</td>
</tr>
<tr>
<td>PHYS 301</td>
<td>Classical Mechanics</td>
<td>4 cr</td>
</tr>
<tr>
<td>PHYS 302</td>
<td>Electricity and Magnetism</td>
<td>4 cr</td>
</tr>
<tr>
<td>PHYS 303</td>
<td>Computational Physics</td>
<td>3 cr</td>
</tr>
<tr>
<td>PHYS 306</td>
<td>Advanced Experiments in Physics</td>
<td>3 cr</td>
</tr>
<tr>
<td>PHYS 403</td>
<td>Thermodynamics and Statistical Physics</td>
<td>4 cr</td>
</tr>
<tr>
<td>PHYS 441</td>
<td>Quantum Physics</td>
<td>4 cr</td>
</tr>
<tr>
<td>PHYS 495</td>
<td>Senior Seminar</td>
<td>1 cr</td>
</tr>
</tbody>
</table>

Choose one course:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 401</td>
<td>Mathematical Methods of Physics</td>
<td>3 cr</td>
</tr>
<tr>
<td>MATH 401</td>
<td>Applied Mathematics</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

B. Required Support Courses (23 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 221</td>
<td>Calculus and Analytic Geometry I</td>
<td>5 cr</td>
</tr>
<tr>
<td>MATH 222</td>
<td>Calculus and Analytic Geometry II</td>
<td>5 cr</td>
</tr>
<tr>
<td>MATH 223</td>
<td>Calculus and Analytic Geometry III</td>
<td>5 cr</td>
</tr>
</tbody>
</table>
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.

Requirements for the Physics Minor (32 credits)

A. Required Physics Courses (16 credits)
   PHYS 201 General Physics I* 5 cr
   PHYS 202 General Physics II* 5 cr
   PHYS 205 Modern Physics 3 cr
   PHYS 306 Advanced Experiments in Physics 3 cr

B. Physics Elective Courses (6 credits)
   Additional physics course at the 200-level or above 3 cr
   Additional physics course at the 300-level or above 3 cr

C. Required Support Courses (10 credits)
   MATH 221 Calculus and Analytic Geometry I 5 cr
   MATH 222 Calculus and Analytic Geometry II 5 cr

*Qualified students may substitute PHYS 105-106 for the PHYS 201-202 requirement at the discretion of the Physics Department. Students are advised to consult the department for further information.

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 electrical and mechanical 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.

Admission Requirements and the Highlights of the Program

- Students complete the first two years of course work (61-84 credits) at UW-Parkside, then continue at UWM for a degree in electrical engineering or mechanical 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 pre-engineering courses with a cumulative GPA of 3.0 or above; and the UWM and CEAS admission requirements.
- All UWP university admission requirements apply. Admission into the pre-engineering program requires placement into Math 221 or successful completion of the pre-requisites for Math 221.
- During the first 61-84 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 2017-19 CATALOG – 252
# Mechanical Engineering 4-Year Plan

## YEAR 1 AT UW-PARKSIDE (37-45 CREDITS)

### Fall Semester (15 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 101</td>
<td>General Chemistry I</td>
<td>4 cr</td>
</tr>
<tr>
<td>CHEM 103</td>
<td>General Chemistry Lab I</td>
<td>1 cr</td>
</tr>
<tr>
<td>MATH 221</td>
<td>Calculus and Analytic Geometry I</td>
<td>5 cr</td>
</tr>
<tr>
<td>PHYS 201</td>
<td>General Physics I</td>
<td>5 cr</td>
</tr>
</tbody>
</table>

### Winterim Semester (3-7 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gen Ed</td>
<td>Art or Hum or Soc</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td>Foreign Lang*</td>
<td>4 cr</td>
</tr>
</tbody>
</table>

### Spring Semester (16 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 222</td>
<td>Calculus and Analytic Geometry II</td>
<td>5 cr</td>
</tr>
<tr>
<td>PHYS 202</td>
<td>General Physics II</td>
<td>5 cr</td>
</tr>
<tr>
<td>PHYS 241</td>
<td>Scientific Programming</td>
<td>3 cr</td>
</tr>
<tr>
<td>PHYS 211</td>
<td>Statics</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

### Summer Semester (3-7 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gen Ed</td>
<td>Art or Hum or Soc</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td>Foreign Lang*</td>
<td>4 cr</td>
</tr>
</tbody>
</table>

## YEAR 2 AT UW-PARKSIDE (30-36 CREDITS, 3 AT UWM)

### Fall Semester (15 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 223</td>
<td>Calculus and Analytic Geometry III</td>
<td>5 cr</td>
</tr>
<tr>
<td>MATH 317</td>
<td>Differential Equations and Their Applications</td>
<td>4 cr</td>
</tr>
<tr>
<td>PHYS 212</td>
<td>Dynamics</td>
<td>3 cr</td>
</tr>
<tr>
<td>Gen Ed</td>
<td>Art or Hum or Soc</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

### Winterim Semester (3 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL</td>
<td>English Competency Requirement</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

### Spring Semester (15 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 102</td>
<td>General Chemistry II</td>
<td>4 cr</td>
</tr>
<tr>
<td>CHEM 104</td>
<td>General Chemistry Lab II</td>
<td>1 cr</td>
</tr>
<tr>
<td>PHYS 303</td>
<td>Computational Physics</td>
<td>3 cr</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MATH 368</td>
<td>Mathematical Modeling</td>
<td>3 cr</td>
</tr>
<tr>
<td>PHYS 403</td>
<td>Thermodynamics and Statistical Physics</td>
<td>4 cr</td>
</tr>
<tr>
<td>PHYS 214</td>
<td>Electrical Circuits I</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

### Summer Semester (6 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gen Ed</td>
<td>Soc</td>
<td>3 cr</td>
</tr>
<tr>
<td>ENGL</td>
<td>English Competency Requirement</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

## YEAR 3 AT UW-MILWAUKEE

### Fall Semester (17 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Civ Eng 303</td>
<td>Strength of Materials</td>
<td>(4 cr)</td>
</tr>
<tr>
<td>EAS 200</td>
<td>Professional Seminar</td>
<td>(1 cr)</td>
</tr>
<tr>
<td>MechEng 110</td>
<td>Engineering Fundamentals I</td>
<td>(4 cr)</td>
</tr>
<tr>
<td>MatlEng 201</td>
<td>Engineering Materials</td>
<td>(4 cr)</td>
</tr>
<tr>
<td>MechEng 321</td>
<td>Basic Heat Transfer</td>
<td>(4 cr)</td>
</tr>
</tbody>
</table>
### Spring Semester (17 credits)
- MechEng 111 Engineering Fundamentals II (4 cr)
- MechEng 320 Intro to Fluid Mechanics (3 cr)
- MatlEng 330 Materials and Processes in Manuf (3 cr)
- Ind Eng 467 Intro Statistics/Phys Sci & Engr (3 cr)
- MechEng 474 Intro to Control Systems (4 cr)

### YEAR 4 AT UW-MILWAUKEE
#### Fall Semester (16 credits)
- MechEng 323 Fluid Mechanics Laboratory (1 cr)
- MechEng 360 Mechanical Design I (3 cr)
- MechEng 366 Design of Machine Elements (4 cr)
- MechEng 370 Comp Aided Engineer Lab (2 cr)
- MechEng XXX Technical Elective (3 cr)
- MechEng XXX Part B Oral & Written (3 cr)

#### Spring Semester (17 credits)
- MechEng 438 Mech Eng Experimentation (3 cr)
- MechEng 479 Mechatronics (3 cr)
- MechEng 496 Senior Design (3 cr)
- MechEng XXX Technical Electives (8 cr)

### Electrical Engineering 4-Year Plan
#### YEAR 1 AT UW-PARKSIDE (37-45 CREDITS)
#### Fall Semester (15 credits)
- CHEM 101 General Chemistry I 4 cr
- CHEM 103 General Chemistry Lab I 1 cr
- MATH 221 Calculus and Analytic Geometry I 5 cr
- PHYS 201 General Physics I 5 cr

#### Winterim Semester (3-7 credits)
- Gen Ed Art or Hum or Soc 3 cr
- Foreign Lang* 4 cr

#### Spring Semester (16 credits)
- MATH 222 Calculus and Analytic Geometry II 5 cr
- PHYS 202 General Physics II 5 cr
- PHYS 211 Statics 3 cr
- PHYS 241 Scientific Programming 3 cr

#### Summer Semester (3-7 credits)
- Gen Ed Art or Hum or Soc 3 cr
- Foreign Lang* 4 cr

#### YEAR 2 AT UW-PARKSIDE (34-40 CREDITS, 3 AT UWM)
#### Fall Semester (16 credits)
- MATH 223 Calculus and Analytic Geometry III 5 cr
- MATH 317 Differential Equations and Their Applications 4 cr
- PHYS 212 Dynamics 3 cr
- PHYS 302 Electricity and Magnetism 4 cr

#### Winterim Semester (6 credits)
- Gen Ed Art or Hum or Soc 3 cr
- ENGL English Competency Requirement 3 cr
### Spring Semester (15 credits)
- **CHEM 102 General Chemistry II** 4 cr
- **CHEM 104 General Chemistry Lab II** 1 cr
- **PHYS 303 Computational Physics** 3 cr

**OR**
- **MATH 368 Mathematical Modeling** 3 cr
- **PHYS 403 Thermodynamics and Statistical Physics** 4 cr
- **PHYS 214 Electrical Circuits I** 3 cr

### Summer Semester (6 credits)
- **Gen Ed Soc** 3 cr
- **ENGL English Competency Requirement** 3 cr

### YEAR 3 AT UW-MILWAUKEE

#### Fall Semester (15 credits)
- **Commun XXX Part B Oral & Written** (3 cr)
- **EAS 200 Professional Seminar** (1 cr)
- **ElecEng 305 Electrical Circuits II** (4 cr)
- **ElecEng 354 Digital Logic** (3 cr)
- **MatlEng 201 Engineering Materials** (4 cr)

#### Spring Semester (15 credits)
- **ElecEng 310 Signals and Systems** (3 cr)
- **ElecEng 330 Electronics I** (4 cr)
- **ElecEng 362 Electromechanical Energy Conv** (4 cr)
- **ElecEng 367 Intro to Microprocessors** (4 cr)

### YEAR 4 AT UW-MILWAUKEE

#### Fall Semester (16 credits)
- **ElecEng 335 Electronics II** (4 cr)
- **ElecEng 420 Random Signals and Systems** (3 cr)
- **ElecEng XXX Technical Electives** (9 cr)

#### Spring Semester (13 credits)
- **ElecEng 595 Senior Design** (4 cr)
- **ElecEng XXX Technical Electives** (9 cr)

*If required, refer to UWM foreign language requirement*

Note: Students should work with their advisers and utilize TIS to determine general education courses that transfer to UWM and meet UWM general education requirements.

### Courses in Mathematics (MATH)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td><strong>Essential Math Skills</strong></td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td><em>Prereq: None. Freq: Fall, Spring.</em></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Reviews basic arithmetic and order of operations with integers, fractions and decimals. Includes applied proportions and percents; evaluation and simplification of algebraic expressions and geometric formulas; linear equations involving integers, fractions and decimals; positive exponents; greatest common factor; basic graphs and inequalities. Course graded on credit/no credit basis. A grade of CR is required to advance to the next level (MATH 15). Four hour lecture; supplemental discussion as warranted by individual student course performance.</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td><strong>Essential Math Skills Lab</strong></td>
<td>2 cr</td>
</tr>
<tr>
<td></td>
<td><em>Prereq: Completion of departmentally-mandated minimal number of MATH 10 proficiencies. Consent of instructor required. Freq: Winterim, Summer.</em></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Designed as a Winterim/Summer opportunity for students to satisfy a limited number of incomplete proficiencies from an immediately prior Fall/Spring MATH 10 without having to retake MATH 10 in its entirety. Course graded on credit/no credit basis.</td>
<td></td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
<td>Credits</td>
</tr>
<tr>
<td>------------</td>
<td>--------------------------------------------------</td>
<td>---------</td>
</tr>
<tr>
<td>15</td>
<td>Intermediate Algebra</td>
<td>4 cr</td>
</tr>
<tr>
<td></td>
<td>Prereq: MATH 10 with a grade of C or better or a grade of CR; or MATH 11 with a grade of CR; or appropriate placement score. Freq: Fall, Spring. Covers linear equations and inequalities with applications; equations of lines and linear systems with applications; exponential and polynomial operations with introduction to functions; polynomial factoring by combinations of GCF, grouping, trinomial, and difference of squares; quadratic equations by factoring with applications; rational operations and equations with applications; radical operations and single-radical equations; square root property and quadratic formula for quadratic equations. Course graded on credit/no credit basis. A grade of CR is required to proceed to the next level (MATH 102 or 111). Five hour lecture; supplemental discussion as warranted by individual student course performance.</td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>Intermediate Algebra Lab</td>
<td>2 cr</td>
</tr>
<tr>
<td></td>
<td>Prereq: Completion of departmentally-mandated minimal number of MATH 15 proficiencies. Consent of instructor required. Freq: Winterim, Summer. Designed as a Winterim/Summer opportunity for students to satisfy a limited number of incomplete proficiencies from an immediately prior Fall/Spring MATH 15 without having to retake MATH 15 in its entirety. Course graded on credit/no credit basis.</td>
<td></td>
</tr>
<tr>
<td>102</td>
<td>Survey of Mathematics</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td>Prereq: MATH 15 or 16 with a minimum grade of C/CR; or appropriate placement. Freq: Fall. Covers topics selected from sets, logic, number theory, geometry, consumer math, linear and exponential modeling, math and the arts, voting methods, probability, and statistics. Intended for student who need no further mathematics courses beyond competency.</td>
<td></td>
</tr>
<tr>
<td>103</td>
<td>Elementary Statistics</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td>Prereq: MATH 15 or 16 with a minimum grade of C/CR; or appropriate placement. Freq: Fall, Spring. Introduces modern statistics including descriptive statistic; binomial and normal distributions, estimation, hypothesis testing; and an introduction to the z, t, F and chi-square test statistics. Includes computerized data analysis. Three hours lecture.</td>
<td></td>
</tr>
<tr>
<td>111</td>
<td>College Algebra I</td>
<td>4 cr</td>
</tr>
<tr>
<td></td>
<td>Prereq: MATH 15 or 16 with a minimum grade of C/CR; or appropriate placement. Freq: Fall, Spring. Studies linear equations, single and compound inequalities, and absolute value equations and inequalities; 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 with applications; rational operations and equations with applications; 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 and applications; introduction to exponential and logarithmic functions and equations.</td>
<td></td>
</tr>
<tr>
<td>112</td>
<td>College Algebra II</td>
<td>4 cr</td>
</tr>
<tr>
<td></td>
<td>Prereq: MATH 111 with a grade of C or better; or equivalent; or appropriate placement score. Freq: Fall, Spring. Explores functions and graphs, polynomial functions, exponential and logarithmic functions, sequences, series, induction and combinatorics. Four hours lecture.</td>
<td></td>
</tr>
<tr>
<td>113</td>
<td>Trigonometry</td>
<td>2 cr</td>
</tr>
<tr>
<td></td>
<td>Prereq: MATH 112 or equivalent or concurrent registration. Freq: Fall, Spring. An introduction to trigonometry with applications. Angular and circular definitions of trigonometric functions, graphing, use of fundamental identities.</td>
<td></td>
</tr>
<tr>
<td>114</td>
<td>College Algebra II with Trigonometry</td>
<td>5 cr</td>
</tr>
<tr>
<td></td>
<td>Prereq: MATH 111 with a grade of C or better; or equivalent; or appropriate placement score. Freq: Fall, Spring. 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.</td>
<td></td>
</tr>
<tr>
<td>203</td>
<td>Intermediate Statistics</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td>Prereq: MATH 111 with a minimum grade of C. Freq: Spring. Introduces inferential statistics including elementary combinatorics and probability, binomial and normal distributions, Central Limit Theorem, estimation, confidence internals, hypothesis testing, correlation, regression, chi-square distribution, and analysis of variance.</td>
<td></td>
</tr>
<tr>
<td>214</td>
<td>Mathematics for Middle Childhood Through Early Adolescence Teachers I</td>
<td>5 cr</td>
</tr>
<tr>
<td></td>
<td>Prereq: MATH 111 with a grade of C or better; or consent of instructor. Freq: Occasionally. Topics include the development of the algorithms of arithmetic, numeration systems, problem solving, number theory and set theory.</td>
<td></td>
</tr>
</tbody>
</table>
215 Mathematics for Middle Childhood Through Early Adolescence Teachers II 5 cr
Topics include introductory geometry, constructions, congruence, similarity, motion geometry, concepts of measurements, probability and statistics.

221 Calculus and Analytic Geometry I 5 cr
Prereq: MATH 112 and 113 or equivalent or appropriate placement score. Freq: Fall, Spring.
Explains rate of change and limits, differentiation, applications of the derivative, integration, applications of the integral and transcendental functions.

222 Calculus and Analytic Geometry II 5 cr
Prereq: MATH 221. Freq: Fall, Spring.
Explains methods of integration, analytic geometry, polar coordinates, hyperbolic functions, infinite series, power series, and introduction to ordinary differential equations.

223 Calculus and Analytic Geometry III 5 cr
Prereq: MATH 222. Freq: Fall.
Explains vectors and parametric equations, vector functions and their derivatives, partial and directional derivatives, multiple integrals, vector analysis, Green’s Theorem and Stokes’ Theorem.

231 Discrete Mathematics 3 cr
Prereq: MATH 112 with a C or better. Freq: Fall, Spring.
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.

290 Special Topics in Mathematics 1-4 cr
Prereq: None. Freq: Occasionally.
Selected topics in mathematics will be examined.

301 Linear Algebra 4 cr
Prereq: MATH 222 or MATH 222 and consent of instructor. Freq: Fall.
Introduction to linear algebra including systems of equations, matrices, determinants, vector spaces and linear transformations, and diagonalization.

303 Set Theory, Logic and Proof 4 cr
Prereq: MATH 222 or PHIL 201 and consent of instructor. Freq: Fall, Spring.
Examines the 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.

309 Probability and Statistics 3 cr
Prereq: MATH 221 with a grade of C or better; or consent of instructor. Freq: Spring.
Covers elementary probability; random variables, properties of distributions, sampling, queuing theory, central limit theorem and law of large numbers. Cross-listed with CSCI 309.

310 Advanced Probability Theory and Statistics 4 cr
Prereq: MATH 222. Freq: Fall.
The main mathematical methods and techniques of probability theory; random variables, expected values, variance, central limit theorem, parameter estimation, and hypothesis testing.

317 Differential Equations and Their Applications 4 cr
Prereq: MATH 222. Freq: Fall.
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. Not open to those with credit in MATH 321.

331 Logic and Combinatorics 3 cr
Prereq: MATH 222. Freq: Yearly.
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.

350 Advanced Calculus 4 cr
Prereq: MATH 223, 303. Freq: Spring.
Covers the fundamental notions of limits, continuity, uniform continuity, derivative, and integral. Examines infinite series with a study of convergence and uniform convergence.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites</th>
<th>Frequency</th>
</tr>
</thead>
<tbody>
<tr>
<td>361</td>
<td>Foundations of Geometry</td>
<td>3</td>
<td>MATH 222</td>
<td>Yearly</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Introduction to axiomatic geometry including Euclidean, non-Euclidean, and projective geometries.</td>
<td></td>
</tr>
<tr>
<td>367</td>
<td>Elementary Number Theory</td>
<td>4</td>
<td>MATH 222</td>
<td>Spring</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Prime numbers, fundamental theorem of arithmetic, congruence, quadratic residues and quadratic reciprocity, partitions, number theoretic functions and diophantine equations.</td>
<td></td>
</tr>
<tr>
<td>368</td>
<td>Mathematical Modeling</td>
<td>3</td>
<td>MATH 222; PHYS 241 or CSCI 130 or consent of instructor</td>
<td>Yearly</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Survey of mathematical models, models involving differential equations, probabilistic models, Markovian models, simulation, and Monte Carlo methods. Cross-listed with CSCI 368.</td>
<td></td>
</tr>
<tr>
<td>373</td>
<td>History of Mathematics</td>
<td>3</td>
<td>MATH 221 or consent of instructor</td>
<td>Occasionally</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>401</td>
<td>Applied Mathematics</td>
<td>3</td>
<td>MATH 222, 301</td>
<td>Fall (odd years)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>421</td>
<td>Real Analysis</td>
<td>4</td>
<td>MATH 350</td>
<td>Occasionally</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Construction of the real number system; basic theory of metric spaces; fundamental notions of limit, continuity, uniform continuity and basic theorems concerning these; convergence and uniform convergence; differentiation and the Riemann integral.</td>
<td></td>
</tr>
<tr>
<td>422</td>
<td>Topics in Real Analysis</td>
<td>4</td>
<td>MATH 421</td>
<td>Occasionally</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Differentials and Jacobians; implicit and inverse function theorems; introduction to the Lebesgue integral; additional topics chosen in accordance with the interests and needs of the participants.</td>
<td></td>
</tr>
<tr>
<td>423</td>
<td>Complex Analysis</td>
<td>4</td>
<td>MATH 223, 303</td>
<td>Spring</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Examines elementary functions of a complex variable; analytic functions; complex integrals and residue theory; conformal mapping; applications to electrostatics and hydrodynamics.</td>
<td></td>
</tr>
<tr>
<td>441</td>
<td>Abstract Algebra</td>
<td>4</td>
<td>MATH 301, MATH 303; or consent of instructor</td>
<td>Fall</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>442</td>
<td>Topics in Abstract Algebra</td>
<td>4</td>
<td>MATH 441</td>
<td>Occasionally</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Rings and ideals; fundamental theorems of Abelian groups; Sylow theorems; solvable groups; elements of Galois theory; solvability by radicals; characteristic roots, matrices and canonical forms. Additional topics chosen in accordance with the needs and interests of the participants, e.g. applications of group theory.</td>
<td></td>
</tr>
<tr>
<td>451</td>
<td>Topology</td>
<td>4</td>
<td>MATH 301, MATH 303; or consent of instructor</td>
<td>Spring</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Introduction to the theory of topological spaces, metric spaces, continuous functions, two-dimensional manifolds, and the concept of the fundamental group.</td>
<td></td>
</tr>
<tr>
<td>461</td>
<td>Differential Geometry</td>
<td>3</td>
<td>MATH 301, 350</td>
<td>Occasionally</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Local theory of curves and surfaces, curvature tensors, and global theory of surfaces.</td>
<td></td>
</tr>
<tr>
<td>467</td>
<td>Computability and Automata</td>
<td>3</td>
<td>MATH/CSCI 331 with a grade of C or better</td>
<td>Occasionally</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Turing machines, recursive functions, Kleene’s T Predicate, Ackermann’s functions, finite automata, grammars and languages. Cross-listed as CSCI 467.</td>
<td></td>
</tr>
<tr>
<td>490</td>
<td>Special Topics in Mathematics</td>
<td>1-3</td>
<td>Consent of instructor</td>
<td>Occasionally</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Intensive treatment of various specialized areas of mathematics.</td>
<td></td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
<td>Credits</td>
<td>Prerequisites and Notes</td>
<td></td>
</tr>
<tr>
<td>-------------</td>
<td>--------------------------------------------------</td>
<td>---------</td>
<td>-------------------------------------------------------------</td>
<td></td>
</tr>
<tr>
<td>495</td>
<td>Senior Seminar</td>
<td>1-2 cr</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><em>Prereq:</em> Senior standing and consent of instructor. <em>Freq:</em> Occasionally.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><em>Research and presentation of selected topics from the mathematical literature. One hour discussion.</em></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>499</td>
<td>Independent Study</td>
<td>1-3 cr</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><em>Prereq:</em> Consent of instructor and department chair. <em>Freq:</em> Occasionally.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Courses in Physics (PHYS)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites and Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>101</td>
<td>Principles of Physics</td>
<td>4 cr</td>
<td></td>
</tr>
<tr>
<td></td>
<td><em>Prereq:</em> Computational Skills required or equivalent. <em>Freq:</em> Fall, Spring.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>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; one-hour discussion.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>105</td>
<td>College Physics I</td>
<td>5 cr</td>
<td></td>
</tr>
<tr>
<td></td>
<td><em>Prereq:</em> MATH 113, 114 or equivalent. <em>Freq:</em> Fall.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>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.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>106</td>
<td>College Physics II</td>
<td>5 cr</td>
<td></td>
</tr>
<tr>
<td></td>
<td><em>Prereq:</em> PHYS 101. <em>Freq:</em> Spring.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>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.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>110</td>
<td>Introduction to Astronomy</td>
<td>3 cr</td>
<td></td>
</tr>
<tr>
<td></td>
<td><em>Prereq:</em> None. <em>Freq:</em> Fall, Spring.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>120</td>
<td>Astronomy of Native America</td>
<td>3 cr</td>
<td></td>
</tr>
<tr>
<td></td>
<td><em>Prereq:</em> None. <em>Freq:</em> Fall, Spring.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Examines the astronomical views of Native Americans from a cultural perspective and looks at how worldview, science and discrimination intersect. Current cultural conflicts between Western astronomers and Native groups and the growth of modern astronomy from the astronomies of indigenous cultures will be examined. Cross-listed with ETHN 120. Three-hour lecture.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>150</td>
<td>Physics of Music</td>
<td>3 cr</td>
<td></td>
</tr>
<tr>
<td></td>
<td><em>Prereq:</em> None. <em>Freq:</em> Occasionally.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>An introduction to the basic physical principles underlying music and musical instruments. Not for credit towards the physics major.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>201</td>
<td>General Physics I</td>
<td>5 cr</td>
<td></td>
</tr>
<tr>
<td></td>
<td><em>Prereq:</em> MATH 221 with a grade of C or better; or concurrent registration. <em>Freq:</em> Fall.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Mechanics, heat, and sound. For physical science and engineering majors. Three-hour lecture; one-hour discussion; three-hour lab.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>202</td>
<td>General Physics II</td>
<td>5 cr</td>
<td></td>
</tr>
<tr>
<td></td>
<td><em>Prereq:</em> PHYS 201; MATH 222 or concurrent registration. <em>Freq:</em> Spring.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Electricity and magnetism, geometrical optics, and physical optics. For physical science and engineering majors. Three-hour lecture; one-hour discussion; three-hour lab.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>205</td>
<td>Modern Physics</td>
<td>3 cr</td>
<td></td>
</tr>
<tr>
<td></td>
<td><em>Prereq:</em> PHYS 202. <em>Freq:</em> Fall.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>211</td>
<td>Statics</td>
<td>3 cr</td>
<td></td>
</tr>
<tr>
<td></td>
<td><em>Prereq:</em> MATH 221 with grade of C or better; concurrent registration in MATH 222. <em>Freq:</em> Spring.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>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 in inertia. Required for the pre-engineering articulation agreement with UW-Milwaukee.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>212</td>
<td>Dynamics</td>
<td>3 cr</td>
<td></td>
</tr>
<tr>
<td></td>
<td><em>Prereq:</em> MATH 222 with a grade of C or better, concurrent registration in MATH 223, PHYS 211. <em>Freq:</em> Fall.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>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.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
214 **Electrical Circuits I**  
*Prereq: PHYS 202 with a grade of C or better. Freq: Spring.*  
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 (equivalent to UWM ElecEng 301).

241 **Scientific Programming**  
*Prereq: PHYS 201; MATH 221 or consent of instructor. Freq: Spring.*  
Studies programming in MATLAB and another high-level language, such as Python, with applications to science and engineering.

290 **Special Topics in Physics**  
*Prereq: Consent of instructor. Freq: Occasionally.*  
Special topics in physics will be examined.

301 **Classical Mechanics**  
*Prereq: PHYS 201 and 202 with grades of C or better; MATH 317, or concurrent registration; or consent of instructor. Freq: Fall (even years).*  
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.

302 **Electricity and Magnetism**  
*Prereq: PHYS 201 and 202 with grades of C or better; MATH 317, or concurrent registration; or consent of instructor. Freq: Fall.*  
Electrostatics, magnetostatics, electromagnetic fields through Maxwell’s equations with basic applications. Radiation, Lienard-Weichert potentials, sources of radiation, antenna theory. Scalar diffraction theory. Wave optics for transparent or conductive media. Four-hour lecture.

303 **Computational Physics**  
*Prereq: PHYS 201 and 202 with grades of C or better; PHYS 205, 241; MATH 223; or consent of instructor. Freq: Spring.*  

306 **Advanced Experiments in Physics**  
*Prereq: PHYS 201 and 202 with grades of C or better; PHYS 205. Freq: Spring (odd years).*  
Covers advanced experiments in optics, atomic, molecular, solid state, and nuclear physics. Examines analog electronics through transistors and op-amps. Includes basic digital electronics. Six-hour lab.

401 **Mathematical Methods of Physics**  
*Prereq: MATH 222, 301. Freq: Fall (even years).*  
Applies mathematical methods to various areas of the 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.

403 **Thermodynamics and Statistical Physics**  
*Prereq: PHYS 201 and 202 with grades of C or better; PHYS 205; MATH 301 and 317 or PHYS 401 or consent of instructor. Freq: Spring.*  
Introduces equilibrium statistical mechanics and its applications. Emphasizes thermodynamics and classical statistical mechanics, microcanonical, canonical, and grand canonical ensembles, partition functions, the Ising model, quantum statistical mechanics, Fermi and Bose gases, and critical phenomena. Four-hour lecture.

441 **Quantum Physics**  
*Prereq: PHYS 201 and 202 with grades of C or better; PHYS 205; MATH 301 and 317 or PHYS 401; or consent of instructor. Freq: Spring (odd years).*  
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, and central potentials. Introduces the concept of spin and the exclusion principle, and the Dirac equation with its associated phenomenology. Four-hour lecture.

490 **Special Topics in Physics**  
*Prereq: PHYS 201 and 202 with grades of C or better and consent of instructor. Freq: Occasionally.*  
Examines special topics in physics.

494 **Internship in Physics**  
*Prereq: PHYS 201 and 202 with grades of C or better; GPA of 2.5 or higher; and consent of instructor. Freq: Fall, Spring, Summer.*  
Work in a physics-related position under joint supervision of a physics faculty and a member of the sponsoring public or private organization.
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>495</td>
<td>Senior Seminar</td>
<td>1 cr</td>
</tr>
<tr>
<td></td>
<td>Prereq: PHYS 201 and 202 with grades of C or better; junior or senior standing. Freq: Fall, Spring. A directed study of one of the current topics in physics. Students are recommended to take two consecutive semesters of 495.</td>
<td></td>
</tr>
<tr>
<td>497</td>
<td>Senior Thesis</td>
<td>1-2 cr</td>
</tr>
<tr>
<td></td>
<td>Prereq: PHYS 201 and 202 with grades of C or better; and consent of instructor. Freq: Occasionally. Investigates advanced topics in physics.</td>
<td></td>
</tr>
<tr>
<td>499</td>
<td>Independent Study</td>
<td>1-3 cr</td>
</tr>
<tr>
<td></td>
<td>Prereq: PHYS 201 and 202 with grades of C or better; consent of instructor and department chair. Freq: Occasionally. Investigates advanced topics in physics.</td>
<td></td>
</tr>
</tbody>
</table>
MODERN LANGUAGES
UW-PARKSIDE 2017-19 CATALOG
RITA/CART 265 • 262-595-2331

College:
Arts and Humanities

Degree and Programs Offered:
Bachelor of Arts
Major – Spanish
Minors – French, Medical Spanish, Spanish

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 adviser.

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 carry modern language credit, do not fulfill language requirements, and may not count toward the Spanish major. They are offered occasionally for general enrichment.

- FREN 218 French Civilization and Culture 3 cr
- FREN 290 Special Topics in French 1-3 cr
- SPAN 225 Contemporary Hispanic Writers in the U.S.A. 3 cr
- SPAN 290 Special Topics in Spanish 1-3 cr
- SPAN 440 Advanced Studies in Hispanic Literature in Translation 3 cr

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.

Program Level Outcomes
Graduates with a major in Spanish will:
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 Admission to the Spanish Major
To be eligible for entrance into the Spanish major, the student must (1a) have either a minimum 2.5 GPA in SPAN 203 or a combined GPA of at least 2.5 in SPAN 203 and 204, or (1b) place into SPAN 303 and complete that course with at least a 2.5 GPA. Additionally, to be eligible for entrance into the Spanish major, the student must (2) have an overall GPA of at least 2.5.

Requirements for the Spanish Major (30 credits)
ALL students entering into the 300 level of Spanish courses must take an oral proficiency test. This test is administered in the language lab, at the convenience of the lab director. Students whose scores fall below the cutoff on this oral proficiency test must enroll in SPAN 307, concurrently with SPAN 303, and must take a total of 12 additional credits of electives. Students whose scores are above the cutoff on this oral proficiency test cannot enroll in SPAN 307 and must take a total of 15 additional credits of electives. Students must have an overall GPA of 2.75 or better in all of the Spanish classes counted for the major to be eligible to graduate with the major in Spanish.

The Spanish major consists of a minimum of 30 credits in Spanish beyond the second-year level (203-204). Students are expected to demonstrate basic standards of linguistic proficiency and content competency (cultural and literary) that have been established and will likely include a senior examination.

At least 15 credits of upper-level courses in the major must be completed at UW-Parkside.

A. Required Courses (15-18 credits)
   SPAN 303 Spanish Grammar and Composition I 3 cr
   SPAN 304 Spanish Grammar and Composition II 3 cr
   SPAN 307** Advanced Spanish Conversation 3 cr
   SPAN 321 Spanish and Spanish-American Literature to 1700 3 cr
   SPAN 322 Spanish Literature Since 1700 3 cr
   SPAN 335 Spanish-American Literature Since 1700 3 cr

   **Some students will place out of SPAN 307

B. Elective Courses (12-15 credits)
   Students that place out of SPAN 307 must take 15 credits of electives.
   Students that must take SPAN 307 (as indicated above) only need 12 credits of electives.

Requirements for Admission to the Spanish Minor
To be eligible for entrance into the Spanish minor, the student must (1a) have either a 2.5 GPA in SPAN 203 or a combined GPA of 2.5 in SPAN 203 and 204, or (1b) place into SPAN 303 and complete that course with a 2.5. Additionally, to be eligible for entrance into the Spanish minor, the student must (2) have an overall GPA of 2.5.
Requirements for the Spanish Minor (15 credits)
Students must have an overall GPA of 2.75 or better in all of the Spanish courses counted for the minor to be eligible to graduate with a minor in Spanish. The minor in Spanish consists of a minimum of 15 credits beyond the second-year level (203-204).

A. Required Courses (6-9 credits)
SPAN 303  Spanish Grammar and Composition I  3 cr
SPAN 304  Spanish Grammar and Composition II  3 cr
SPAN 307** Advanced Spanish Conversation  3 cr

**Some students will place out of SPAN 307

B. Elective Courses (6-9 credits)
Students that place out of SPAN 307 must take 9 credits of electives.
Students that must take SPAN 307 (as indicated above) need 6 credits of electives.
Electives must include at least 3 credits (1 course) in literature.

Program Level Outcomes for the Medical Spanish Minor
Students who complete the Medical Spanish Minor will:

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 Admission to the Medical Spanish Minor
Students must be proficient at the intermediate level in Spanish (successfully complete SPAN 204 or place into SPAN 303).

Requirements for the Medical Spanish Minor (28-34 credits)
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.

A. Advanced Spanish Courses (6-9 credits)
SPAN 303  Spanish Grammar and Composition I  3 cr
SPAN 304  Spanish Grammar and Composition II  3 cr
SPAN 307** Advanced Conversation  3 cr

*Must be taken before entry into minor
**Some students will place out of SPAN 307

B. Biological Sciences Courses (7-10 credits)
Choose one pair of courses:
BIOS 101  Bioscience  4 cr
BIOS 102  Organismal Biology  4 cr
OR - for nursing students and applied health sciences majors:
BIOS 105  Human Physiology and Anatomy I  5 cr
BIOS 106  Human Physiology and Anatomy II  5 cr
OR - for students interested in medical interpreting or translation:
BIOS 101  Bioscience    4 cr
BIOS 103  Human Biology    3 cr
ALL the courses above must be taken BEFORE the medical Spanish courses

C. Translation Course (3 credits)
Required course:
SPAN 413  Translation    3 cr
This course may be taken concurrently with SPAN 418 (but after SPAN 304 and before SPAN 421)

D. Health Communication Course (3 credits)
COMM 340  Health Communication    3 cr

E. Intercultural/Diversity Course (3 credits)
Choose one course:
COMM 365  Intercultural Communication    3 cr
ETHN 343/
SOCA 343  Latinas/os in the U.S.    3 cr
HUMA 103  Diversity in the U. S.    3 cr

F. Medical Spanish Courses (6 credits)
SPAN 423  Medical Spanish I    3 cr
SPAN 424  Medical Spanish II    3 cr
Recommended Course (not required):
HIMT 330  Healthcare I: Terminology and
Body Systems    3 cr

STRAONGLY recommended for students who plan careers in translation, interpreting, and administrative work in health care settings.

Courses in Spanish (SPAN)
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 403) THEY MAY NOT AFTERWARDS TAKE A LOWER COURSE IN THE SEQUENCE FOR CREDIT.

103 Introductory Spanish I    4 cr
Prereq: Placement exam or no prior knowledge of Spanish. Freq: Fall, Spring, Summer.
Development of basic listening, speaking, reading and writing skills in Spanish.

104 Introductory Spanish II    4 cr
Prereq: SPAN 103 or equivalent or placement exam. Freq: Fall, Spring, Summer.
A continuation of Spanish 103.

111 Spanish for Singers    1 cr
Prereq: Enrollment in vocal music. Freq: As needed.
To help university vocal and choral students gain theoretical understanding and practical mastery of diction in Spanish as it 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.

203 Intermediate Spanish I    4 cr
Prereq: SPAN 104 or equivalent or placement exam. Freq: Fall.
Review and further development of listening, speaking, reading and writing skills in Spanish.

204 Intermediate Spanish II    4 cr
Prereq: SPAN 203 or equivalent or placement exam. Freq: Spring.
A continuation of Spanish 203.
225  Contemporary Hispanic Writers in the U.S.A.  
Prereq: None. Freq: Occasionally.
An exploration of the literary works on contemporary Hispanic writers. May not be counted toward Spanish major when taught in English.

290  Special Topics in Spanish  
Prereq: None. Freq: Occasionally.
Selected topics in Spanish studies will be examined. May not be counted toward Spanish major when taught in English.

303  Spanish Grammar and Composition I  
Prereq: SPAN 204 or equivalent. Oral proficiency exam required. Concurrent enrollment in SPAN 307 required of students who do not test out by oral proficiency exam. Freq: Fall.
Essential points of grammar, with emphasis on syntax and development of writing skills. Concurrent enrollment in SPAN 321 recommended for major.

304  Spanish Grammar and Composition II  
Prereq: SPAN 303 and 307 (or test out of 307). Freq: Spring.
A continuation of SPAN 303. Essential themes of grammar, with emphasis on the syntax of verbs and the acquisition of terminology and skills to facilitate analysis. Concurrent enrollment in SPAN 322 and/or SPAN 335 recommended for major.

307  Advanced Spanish Conversation  
Prereq: SPAN 204 or placement in SPAN 303; concurrent enrollment in SPAN 303 and oral proficiency exam required along with consent of instructor. Freq: Fall, Spring.
Focus on improving oral proficiency through intensive conversation practice. Topics vary. May be repeated as needed for up to 3 elective credits with different topic.

318  Spanish Civilization and Culture  
Prereq: None in English, SPAN 303 and 307 (or test out of 307) in Spanish. Freq: Occasionally.
Presentation and discussion of historical, philosophical, and artistic elements of the Spanish society. Does not apply for Spanish major unless conducted in Spanish. Occasionally in English.

319  Latin American Civilization and Culture  
Prereq: None in English, SPAN 303 and 307 (or test out of 307) in Spanish. Freq: Occasionally.
Presentation and discussion of historical, philosophical and artistic elements of Latin America. Does not apply for Spanish major unless conducted in Spanish. Offered variously in Spanish or English. Occasionally in English.

321  Spanish and Spanish-American Literature to 1700  
Prereq: SPAN 303 and 307 (or test out of 307). Freq: Fall.
Survey of literature of the Spanish-speaking world from beginnings to 1700; includes American Pre-Colombian, Mozarabic, and Andalusian Arabic literature in translation in addition to Spanish literature of the Peninsula and its colonial possessions.

322  Spanish Literature Since 1700  
Prereq: SPAN 303 and 307 (or test out of 307). Freq: Spring.
Survey of Spanish peninsular literature since 1700.

335  Spanish-American Literature Since 1700  
Prereq: SPAN 303 and 307 (or test out of 307). Freq: Spring.
Survey of Spanish-American literature since 1700.

350  Spanish Phonetics  
Prereq: SPAN 304 or equivalent. Freq: Occasionally.
Theory of Spanish sounds in contrast to English combined with practical laboratory training in pronunciation and orthography. Required of all students preparing for certification as language teachers.

403  Advanced Spanish Grammar  
Prereq: SPAN 304 or equivalent. Freq: Occasionally.
Analysis of questions of syntax and style; emphasis on idiomatic Spanish.

413  Translation  
Prereq: SPAN 304 or consent of instructor. Freq: Occasionally.
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.

415  Spanish for Journalism  
Prereq: SPAN 303 and 307 (or test out of 307). Freq: Occasionally.
Designed to refine writing in Spanish through the process of creating and editing newsworthy articles.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites</th>
<th>Frequency</th>
</tr>
</thead>
<tbody>
<tr>
<td>416</td>
<td>Children’s Literature</td>
<td>3 cr</td>
<td>Prereq: SPAN 303 and 307 (or test out of 307).</td>
<td>Freq: Occasionally</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>A study of the oral and written literature for children from the pre-Hispanic</td>
<td>Highly recommended</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>period to the present. Highly recommended for teacher certification candidates</td>
<td></td>
</tr>
<tr>
<td>417</td>
<td>Spanish for Criminal Justice</td>
<td>3 cr</td>
<td>Prereq: SPAN 303 and 307 (or test out of 307).</td>
<td>Freq: Occasionally</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Course will focus on legal terminology and proceedings in order to help police</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>officers and other professionals in criminal justice.</td>
<td></td>
</tr>
<tr>
<td>419</td>
<td>Spanish for Business</td>
<td>3 cr</td>
<td>Prereq: SPAN 303 and 307 (or test out of 307).</td>
<td>Freq: Occasionally</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>The course focuses on business terminology and procedure for Spanish-speaking</td>
<td>Emphasis is on written</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>countries. Emphasis is on written Spanish supplemented by conversational work.</td>
<td></td>
</tr>
<tr>
<td>420</td>
<td>Topics in Spanish Literature and Culture</td>
<td>3 cr</td>
<td>Prereq: SPAN 322 or equivalent, or consent of instructor.</td>
<td>Freq: Occasionally</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>In-depth analysis of an aspect of the literature or culture of Spain. Content</td>
<td>Course may be repeated under</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>will vary. Course may be repeated under different subtitle.</td>
<td></td>
</tr>
<tr>
<td>423</td>
<td>Medical Spanish I</td>
<td>3 cr</td>
<td>Prereq: SPAN 304; SPAN 307*; BIOS 101 and BIOS 102 OR BIOS 105 and BIOS 106 OR</td>
<td>Freq: Fall</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>BIOS 101 and BIOS 103; HIMT 330; HUMA 103 OR ETHN 343/SOCA 343 OR COMM 345;</td>
<td>Students may place out of</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>COMM 340 *Students may place out of SPAN 307.</td>
<td>SPAN 307.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Develops an understanding of the cultural underpinnings of the communicative</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>issues that arise when Hispanic patients receive health care from non-Hispanic</td>
<td>Cultural perspectives of</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>practitioners in the United States. Students will master the vocabulary and</td>
<td>Hispanic patients in health</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>tools necessary for the proper professional medical use of Spanish in different</td>
<td>care settings.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>clinical settings. Requires participation in clinical settings.</td>
<td></td>
</tr>
<tr>
<td>424</td>
<td>Medical Spanish II</td>
<td>3 cr</td>
<td>Prereq: SPAN 304; SPAN 307*; BIOS 101 and BIOS 102 OR BIOS 105 and BIOS 106 OR</td>
<td>Freq: Spring</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>BIOS 101 and BIOS 103; HIMT 330; HUMA 103 OR ETHN 343/SOCA 343 OR COMM 345;</td>
<td>Students may place out of</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>COMM 340 *Students may place out of SPAN 307.</td>
<td>SPAN 307.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Continues the development of the cultural perspectives of Hispanic patients in</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>health care settings. Introduces concepts and information necessary to</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>understand basic principles of diseases and clinical testing. Requires</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>participation in clinical settings.</td>
<td></td>
</tr>
<tr>
<td>435</td>
<td>Topics in Latin American Literature or Culture</td>
<td>3 cr</td>
<td>Prereq: SPAN 304 or equivalent, or consent of instructor.</td>
<td>Freq: Fall, Spring</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>In-depth analysis of an aspect of the literature or culture of Latin America.</td>
<td>Content will vary. Course</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Study of representative Spanish and Latin American works in translation from</td>
<td>Study of representative</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>the standpoint of analytic methods: approaches to critical analysis or problems</td>
<td>Spanish and Latin American</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>in the theory of literature (genre theory, comparative study of themes or</td>
<td>works in translation from</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>styles, discussion of literary movements). May be repeated for credit with</td>
<td>the standpoint of analytic</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>different subject matters. May not be counted toward Spanish major.</td>
<td>methods: approaches to</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>critical analysis or</td>
</tr>
<tr>
<td>475</td>
<td>Internship</td>
<td>1-3 cr</td>
<td>Prereq: SPAN 304, Spanish major and consent of instructor and department chair.</td>
<td>Freq: Fall, Spring</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Interns work with area businesses, government agencies and service Agencies.</td>
<td>May repeat for credit</td>
</tr>
<tr>
<td>490</td>
<td>Special Topics in Spanish</td>
<td>1-4 cr</td>
<td>Prereq: None. Freq: Occasionally.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Selected topics in Spanish studies will be examined.</td>
<td></td>
</tr>
<tr>
<td>494</td>
<td>Fieldwork in Spanish</td>
<td>1-3 cr</td>
<td>Prereq: Consent of instructor and department chair.</td>
<td>Freq: Occasionally</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Application of Spanish in areas of community concern and in local business and</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>industry. May be repeated for maximum of 6 credits.</td>
<td></td>
</tr>
<tr>
<td>495</td>
<td>Senior Seminar</td>
<td>1-3 cr</td>
<td>Prereq: Senior standing in Spanish. Consent of instructor required.</td>
<td>Freq: Spring</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Students will develop portfolios that highlight their language skills and</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>review/synthesize their course work in the major.</td>
<td></td>
</tr>
<tr>
<td>499</td>
<td>Independent Study</td>
<td>1-3 cr</td>
<td>Prereq: Junior standing, consent of instructor and department chair.</td>
<td>Freq: Occasionally</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Available to qualified students under supervision of individual instructor.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Normally, no more than 6 credits of Independent Study may be counted toward</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>the major.</td>
<td></td>
</tr>
</tbody>
</table>
Please note that declaration of majors for French Studies has been suspended.

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.

Requirements for Admission to the French Minor:
For entrance into the French minor, the student must have completed FREN 103 and 104, their equivalent or achieve placement into FREN 203 or above.

Requirements for the French Minor (18 credits)
The minor in French consists of a minimum of 18 credits beyond the first year introductory courses (FREN 103-104). Fifteen of these credits MUST be courses taught in French.

A. Required Intermediate Courses (6 credits)
- FREN 203 Intermediate French I 3 cr
- FREN 204 Intermediate French II 3 cr

B. Required Advanced Courses (9 credits)
- FREN 301 French Conversation & Composition 3 cr
- FREN 318 French Civilization and Culture 3 cr
- FREN 350 French Phonetics 3 cr

C. Elective Course (3 credits)
Choose one course:
- MODL 319 Paris: The City and the People 3 cr
- MODL 490 Special Topics in Modern Language (Topic French Studies in English) 3 cr

Courses in French (FREN)
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.

103 Introductory French I 4 cr
Prereq: Placement exam or no prior knowledge of French. Freq: Fall.
Development of basic listening, speaking, reading, and writing skills in French.

104 Introductory French II 4 cr
Prereq: FREN 103 or equivalent or placement exam. Freq: Spring.
A continuation of French 103.
111 French for Singers 1 cr
Prereq: Enrollment in vocal music. Freq: As needed.
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.

203 Intermediate French I 3 cr
Prereq: FREN 104 or equivalent or placement exam. Freq: Fall.
Reviews and further develops listening, speaking, reading, and writing skills in French at the intermediate level.

204 Intermediate French II 3 cr
Prereq: FREN 203 or equivalent or placement exam. Freq: Spring.
Reviews and further develops listening, speaking, reading, and writing skills in French at the intermediate level.

218 French Civilization and Culture (in English) 3 cr
Prereq: None. Freq: Occasionally.
Multimedia presentation and discussion of historical, philosophical, and artistic developments in France.

290 Special Topics in French 1-3 cr
Prereq: None. Freq: Occasionally.
Special topics in French studies will be examined. May not be counted toward French studies major when taught in English.

301 French Conversation and Composition 3 cr
Prereq: FREN 204 or equivalent or placement exam. Freq: Every other Fall.
Advanced training in conversation and composition with emphasis on acquiring communicative skills in colloquial French.

318 French Civilization and Culture 3 cr
Prereq: FREN 204 or equivalent. Freq: Spring (alternate years).
Multi-media presentation and discussion of historical, philosophical, and artistic developments in various periods in France. Readings in French. May be repeated for credit with different content.

320 Introduction to French Literature 3 cr
Prereq: FREN 204 or equivalent. Freq: Spring (alternate years).
Study of a major literary genre and/or a cultural/literary period or 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 for credit with different content.

350 French Phonetics 3 cr
Prereq: FREN 204 or equivalent. Freq: Fall (alternate years).
Theory of French sounds in contrast to English, combined with practical laboratory training in pronunciation and orthography. Required of all intending to be teachers.

402 Advanced Studies in French 3 cr
Prereq: FREN 301 or equivalent or consent of instructor. Freq: Occasionally.
Studies in French language, culture or literature. May be repeated for credit with different subject matter.

475 Translation Internship 1-3 cr
Prereq: FREN 301 or equivalent, French studies major, and consent of instructor and department chair. Freq: Fall, Spring.
Translation interns work with area businesses and service agencies to furnish translations from and into French. May be repeated for credit.

490 Special Topics in French 1-4 cr
Prereq: None. Freq: Occasionally.
Selected topics in French studies will be examined.

494 Fieldwork in French 1-3 cr
Prereq: Consent of instructor and department chair. Freq: Occasionally.
Application of French in areas of community concern and in local business and industry. May be repeated for maximum of 6 credits.

495 Senior Project 3 cr
Prereq: Senior standing in French studies. Freq: Spring.
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.

499 Independent Study 1-3 cr
Prereq: Junior standing, consent of instructor and department chair. Freq: Occasionally.
Available to qualified students under supervision of individual instructor. Normally, no more than 6 credits of Independent Study may be counted toward the major.
Courses in German (GER)
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 GER 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 GERMAN LANGUAGE SEQUENCE (103-204) THEY MAY NOT AFTERWARDS TAKE A LOWER COURSE IN THE SEQUENCE FOR CREDIT.

103 Introductory German I 4 cr
Prereq: Placement exam or no prior knowledge of German. Freq: Occasionally.
Development of basic listening, speaking, reading and writing skills.

104 Introductory German II 4 cr
Prereq: GER 103 or equivalent or placement exam. Freq: Occasionally.
Continued development of basic listening, speaking, reading and writing skills in German.

203 Intermediate German I 4 cr
Prereq: GER 104 or equivalent or placement exam. Freq: Occasionally.
Review and further development of listening, speaking, reading and writing skills.

204 Intermediate German II 4 cr
Prereq: GER 203 or equivalent or placement exam. Freq: Occasionally.
Review and further development of listening, speaking, reading and writing skills. Emphasis on written German through reading selections.

Courses in Italian (ITAL)
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.

103 Introductory Italian I 4 cr
Prereq: None. Freq: Fall
Development of basic listening, speaking, reading and writing skills in Italian.

104 Introductory Italian II 4 cr
Prereq: ITAL 103 or equivalent. Freq: Spring
Continued development of basic listening, speaking, reading and writing skills in Italian.

203 Intermediate Italian I 4 cr
Prereq: ITAL 104 or equivalent. Freq: Occasionally.
Develops intermediate level proficiency in listening, speaking, reading and writing skills.

204 Intermediate Italian II 4 cr
Prereq: ITAL 203 or equivalent. Freq: Occasionally.
Continues development of intermediate level proficiency in listening, speaking, reading and writing skills.
Courses in Modern Languages (MODL)
The program offers occasionally, under MODL 103 and 104, first-year courses in modern languages other than French, Italian or Spanish.

103 Modern Languages I 4 cr
Prereq: None. Freq: Occasionally.
Semester I of a modern language other than those regularly offered in the Modern Languages Department. May be repeated with different language content.

104 Modern Languages II 4 cr
Prereq: MODL 103 or equivalent. Freq: Occasionally.
Semester II of a modern language other than those regularly offered in the Modern Languages Department. May be repeated with different language content.

203 Intermediate Modern Languages I 4 cr
Prereq: MODL 104 in the same language or equivalent. Freq: Occasionally.
Continued training in listening, speaking, reading and writing skills through conversation, composition and grammar review.

204 Intermediate Modern Languages II 4 cr
Prereq: MODL 203 in the same language or equivalent. Freq: Occasionally.
Continued training in listening, speaking, reading and writing skills through conversation, composition and grammar review.

319 Paris: The City and the People 3 cr
Prereq: ENGL 101, sophomore standing; or consent of instructor. Freq: Spring.
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.

347 Post-1800 World Literature 3 cr
Prereq: ENGL 167, 266; or consent of instructor. Freq: Spring.
Explores selected global literary and cultural texts produced after 1800. Also, 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.

490 Special Topics in a Modern Language 3 cr
Prereq: None. Freq: Occasionally.
Special topics in modern language studies taught in English.

499 Independent Study 1-3 cr
Prereq: Junior standing, consent of instructor and department chair. Freq: Occasionally.
Available to qualified students under supervision of individual instructor.
MUSEUM STUDIES
UW-PARKSIDE 2017-19 CATALOG
Greenquist 318 • 262-595-2177

College:
Social Sciences and Professional Studies

Program Offered:
Certificate - Museum Studies

Program Overview
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 field as anthropology, art, art history, history, and other fields to pursue graduate degrees in museum studies and employment in museums.

Internships
An internship in museum studies is required, allowing students to gain practical experience working in an art, history, anthropology, or public museum.

Requirements for the Museum Studies Certificate
(16 credits)

A. Content Courses (9 credits)
Choose at least 3 credits from each of the three disciplines:
ANTH 200 Cultural Anthropology 3 cr
ANTH 201 Introduction to Archaeology 3 cr
ANTH 202 Human Evolution 3 cr
ANTH 227 North American Indians 3 cr
ANTH 228 Peoples of Southeast Asia 3 cr
ANTH/ART 315 Anthropology of Non-Western Art 3 cr
ANTH 227 North American Indians 3 cr
ART 100 Foundations of Art and Visual Culture 3 cr
ART 125 Survey of World Art 3 cr
HIST 102 The United States, Reconstruction to Recent Times 3 cr
HIST 335 Native American History 3 cr
HIST 337 African-American History 3 cr
HIST 342 The American Civil War 3 cr
HIST 345 America in Power and Peril 1917-1953 3 cr
HIST 346 Recent America, 1953-Present 3 cr

B. Methods Course (2 credits)
MSST 300 Museum Studies 2 cr

C. Museum Management Course (2 credits)
MSST 305 Introduction to Museum Management 2 cr

D. Internship (3 credits)
ANTH 491 Anthropology Fieldwork (focusing on museum internship) 3 cr
ANTH 494  Internship in Sociology/Anthropology  (focusing on museum internship)  3 cr
ART 494  Art Internship  (focusing on museum internship)  3 cr
HIST 494  Internship in History  (focusing on museum internship)  3 cr

Courses in the Certificate for Museum Studies (MSST)

300  Museum Studies  2 cr
Prereq: Sophomore standing or consent of instructor. Freq: Occasionally.
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.

305  Introduction to Museum Management  2 cr
Prereq: MSST 300 or consent of instructor. Freq: Occasionally.
Introduces essential aspects of museum management and administration.
College:
Arts and Humanities

Degree and Programs Offered:
Bachelor of Arts

Major - Music
Minor – Music
Certificate - Piano Pedagogy and Literature

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).
Requirements for Admission to 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.

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.

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.

Requirements for the Music Major (61-101 credits)
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 150/151).

A. Required Core Courses (46 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUSP 001</td>
<td>Concert Attendance</td>
<td>0 cr</td>
</tr>
<tr>
<td>MUSI 120</td>
<td>Music Theory I</td>
<td>2 cr</td>
</tr>
<tr>
<td>MUSI 121</td>
<td>Music Theory II</td>
<td>2 cr</td>
</tr>
<tr>
<td>MUSI 221</td>
<td>Music Theory III</td>
<td>2 cr</td>
</tr>
<tr>
<td>MUSI 321</td>
<td>Music Theory IV</td>
<td>2 cr</td>
</tr>
<tr>
<td>MUSP 135</td>
<td>Aural Music Theory I</td>
<td>1 cr</td>
</tr>
<tr>
<td>MUSP 136</td>
<td>Aural Music Theory II</td>
<td>1 cr</td>
</tr>
<tr>
<td>MUSP 236</td>
<td>Aural Music Theory III</td>
<td>1 cr</td>
</tr>
<tr>
<td>MUSP 336</td>
<td>Aural Music Theory IV</td>
<td>1 cr</td>
</tr>
<tr>
<td>MUSP 150</td>
<td>Class Piano I</td>
<td>2 cr</td>
</tr>
<tr>
<td>MUSP 151</td>
<td>Class Piano II</td>
<td>2 cr</td>
</tr>
<tr>
<td>MUSI 104</td>
<td>Music Appreciation</td>
<td>3 cr</td>
</tr>
<tr>
<td>MUSI 242</td>
<td>Music Literature Lab</td>
<td>1 cr</td>
</tr>
<tr>
<td>MUSI 330</td>
<td>Music History I: 450-1750</td>
<td>2 cr</td>
</tr>
<tr>
<td>MUSI 331</td>
<td>Music History II: 1750-20th Century</td>
<td>2 cr</td>
</tr>
<tr>
<td>MUSI 332</td>
<td>World of Music</td>
<td>2 cr</td>
</tr>
<tr>
<td>MUSA</td>
<td>Applied Instrument/Performance Lab*</td>
<td>12 cr</td>
</tr>
<tr>
<td>MUSP 102</td>
<td>Large Music Ensemble</td>
<td>8 cr</td>
</tr>
</tbody>
</table>

(6 semesters with a grade of “CR”)

Music students may apply MUSI 104 and 3 credits of MUSP 102 towards General Education requirements.

*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, 201 or 301) 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.

**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.

B. 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, 201 or 301), 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 and MUSP 136 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.

C. 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 section 001)

Wind Ensemble (MUSP 102 section 002)

Parkside Symphony (MUSP 102 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) 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:

D. Concentrations in Music:
All music majors must complete a concentration and should choose one relevant to their career interests and intent.

1. Requirements for the Music Performance Concentration (20-22 credits)
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.

a. Required courses for all instruments (14 credits)
   - MUSP 223 Fundamentals of Improvisation 1 cr
   - MUSP 250 Class Piano III for Music Education 2 cr
   - MUSP 342 Conducting 2 cr
   - MUSI 420 Analytic Techniques 2 cr
   - MUSA 400 Senior Recital 2 cr
   - MUSA 300 Junior Recital 1 cr
   - MUSP 250 Class Piano III for Music Education 2 cr
   - MUSP 342 Conducting 2 cr
   - MUSI 420 Analytic Techniques 2 cr
   - MUSA 400 Senior Recital 2 cr
   - MUSA 300 Junior Recital 1 cr

b. Required courses by primary instrument (6-8 credits)
   Choose one option based on primary instrument:
   i. Required courses primary instrument is voice (7 credits)
      - MUSI 378 Diction I: English and Italian 2 cr
      - MUSI 379 Diction II: French and German 2 cr
      - MUSP 346 Choral Conducting and Arranging 3 cr

   ii. Required courses primary instrument is an orchestral instrument, band instrument, or classical guitar (6 credits)
      Choose from instrumental ensemble courses (4 credits):
      - MUSP 361 Chamber Music: Brass Ensemble 1 cr
      - MUSP 362 Chamber Music: Classical Guitar Ensemble 1 cr
      - MUSP 363 Chamber Music: Woodwind Ensemble 1 cr
      - MUSP 364 Chamber Music: Percussion Ensemble 1 cr
      - MUSP 365 Chamber Music: String Ensemble 1 cr
      - Choose one elective course:
        - MUSP 345 Instrumental Conducting 2 cr
        - MUSI 350 Music Business 2 cr
        - MUSI 499 Independent Study 2 cr

   iii. Required courses primary instrument is piano/keyboard (8 credits)
      - MUSP 353 Advanced Keyboard Accompanying and Chamber Music Performance (4 semesters, 1 credit each) 4 cr
MUSI 480  Seminar in Piano Literature and Performance Practice (2 semesters, 2 credits each) 4 cr

Students are required to submit an application for recital approval in the semester preceding their junior and senior recitals.

2. **Requirements for the Jazz Studies and Performance Concentration (24 credits)**
   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.

   **Required Courses (24 credits)**
   - MUSI 346  Jazz History 3 cr
   - MUSP 223  Fundamentals of Improvisation 1 cr
   - MUSP 224  Jazz Improvisation I 1 cr
   - MUSP 323  Jazz Improvisation II 1 cr
   - MUSP 324  Jazz Improvisation III 2 cr
   - MUSP 253  Jazz Piano 1 cr
   - MUSP 342  Conducting 2 cr
   - MUSI 350  Music Business 2 cr
   - MUSI 447  Jazz Styles 2 cr
   - MUSI 425  Jazz Arranging 2 cr
   - MUSA  Applied Music at the 400 level (2 semesters, 2 credits each) 4 cr
   - MUSA 300  Junior Recital 1 cr
   - MUSA 400  Senior Recital 2 cr

3. **Requirements for the Contemporary Commercial Music Concentration (27 credits)**
   For voice students focusing on contemporary styles of singing, this concentration provides vocal training in various vocal genres, including jazz, pop, rock, musical theater, and more. Additional coursework will be provided in improvisation, sound production and contemporary commercial music focused ensembles. Student recitals will showcase talents and make the student industry ready for commercial careers such as studio musicians, voiceover singers, singer/songwriters, and band members. A full faculty audition is required for acceptance into this contemporary commercial music performance concentration on completion of the applied music sophomore level.

   **Required Courses (27 credits)**
   - MUSI 340  American Popular Music 3 cr
   - MUSI 350  Music Business 2 cr
   - MUSI 226  Popular Music Theory 2 cr
   - MUSP 240  Sound Production I 2 cr
   - MUSP 223  Fundamentals of Improvisation 1 cr
   - MUSP 224  Jazz Improvisation I 1 cr
   - MUSP 250  Class Piano III for Music Education 2 cr
   - MUSP 253  Jazz Piano 1 cr
   - MUSA  Applied Music at the 400 level (2 semesters, 2 credits each) 4 cr
   - MUSA 300  Junior Recital 1 cr
   - MUSA 400  Senior Recital 2 cr
   Choose from vocal ensemble courses (6 credits):
   - MUSP 368  Contemporary A Cappella Ensemble 1 cr
   - MUSP 369  Contemporary Commercial Music Ensemble 1 cr
   - MUSP 367  Vocal Jazz Ensemble 1 cr
4. Requirements for the Music Education Concentration (55 credits)
The UW-Parkside music education curriculum is approved for DPI licensure. Music education concentration offers dual licensure in choral/general and instrumental/general certification. 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.

a. Music Education: Choral and General Music (55 credits)
In addition to the music core requirements, the following courses are required.

i. Required Music Courses (7 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUSP 342</td>
<td>Conducting</td>
<td>2 cr</td>
</tr>
<tr>
<td>MUSP 250</td>
<td>Class Piano III for Music Education</td>
<td>2 cr</td>
</tr>
<tr>
<td>MUSP 223</td>
<td>Fundamentals of Improvisation</td>
<td>1 cr</td>
</tr>
<tr>
<td>MUSI 420</td>
<td>Analytic Techniques</td>
<td>2 cr</td>
</tr>
</tbody>
</table>

ii. Required Choral and General Music Courses (29 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUSP 346</td>
<td>Choral Conducting and Arranging</td>
<td>3 cr</td>
</tr>
<tr>
<td>MUSI 377</td>
<td>Vocal Pedagogy</td>
<td>1 cr</td>
</tr>
<tr>
<td>MUSI 378</td>
<td>Diction I: English and Italian</td>
<td>2 cr</td>
</tr>
<tr>
<td>MUSI 379</td>
<td>Diction II: French and German</td>
<td>2 cr</td>
</tr>
<tr>
<td>MUSP 251</td>
<td>Class Piano IV for Choral Education</td>
<td>1 cr</td>
</tr>
<tr>
<td>MUSP 276</td>
<td>Instrumental Techniques and Pedagogy: Guitar</td>
<td>1 cr</td>
</tr>
<tr>
<td>MUSE 203</td>
<td>Introduction to Music Technology</td>
<td>2 cr</td>
</tr>
<tr>
<td>MUSE 300</td>
<td>Music Teaching and Learning</td>
<td>3 cr</td>
</tr>
<tr>
<td>MUSE 405</td>
<td>Principles and Techniques in Music Teaching and Learning</td>
<td>3 cr</td>
</tr>
<tr>
<td>MUSE 302</td>
<td>Music in Childhood</td>
<td>3 cr</td>
</tr>
<tr>
<td>MUSE 303</td>
<td>Interdisciplinary Teaching and Learning</td>
<td>2 cr</td>
</tr>
<tr>
<td>MUSE 411</td>
<td>Methods of Elementary and Middle School Choral Music</td>
<td>3 cr</td>
</tr>
<tr>
<td>MUSE 413</td>
<td>Methods of Teaching Secondary Choral Music</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

iii. Required EDU Courses (19 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDU 304</td>
<td>Context and Culture in Learning Environments</td>
<td>2 cr</td>
</tr>
<tr>
<td>EDU 300</td>
<td>Seminar and Practicum I: The Learner and Learning</td>
<td>1 cr</td>
</tr>
<tr>
<td>EDU 310</td>
<td>Seminar and Practicum II: Learning Design and Assessment</td>
<td>1 cr</td>
</tr>
<tr>
<td>EDU 400</td>
<td>Seminar and Practicum III: Teaching Content</td>
<td>1 cr</td>
</tr>
<tr>
<td>EDU 410</td>
<td>Seminar and Practicum IV: Individualized Learning Design</td>
<td>2 cr</td>
</tr>
<tr>
<td>EDU 420</td>
<td>Residency Seminar</td>
<td>2 cr</td>
</tr>
<tr>
<td>EDU 425</td>
<td>Residency (Student Teaching)</td>
<td>10 cr</td>
</tr>
</tbody>
</table>
b. Music Education: Instrumental and General Music (55 credits)
In addition to the music core requirements, the following courses are required.

i. **Required Music Courses (7 credits)**
   - MUSP 342 Conducting 2 cr
   - MUSP 250 Class Piano III for Music Education 2 cr
   - MUSP 223 Fundamentals of Improvisation 1 cr
   - MUSI 420 Analytic Techniques 2 cr

ii. **Required Instrumental and General Music Courses (29 credits)**
   - MUSP 345 Instrumental Conducting 2 cr
   - MUSI 423 Orchestration and Arranging 2 cr
   - MUSP 271 Instrumental Techniques and Pedagogy: Brass 1 cr
   - MUSP 273 Instrumental Techniques and Pedagogy: Percussion 1 cr
   - MUSP 274 Instrumental Techniques and Pedagogy: Strings 1 cr
   - MUSP 275 Instrumental Techniques and Pedagogy: Woodwinds 1 cr
   - MUSP 276 Instrumental Techniques and Pedagogy: Guitar 1 cr
   - MUSP 277 Vocal Techniques 1 cr
   - MUSA Secondary Applied Instrument at 100 Level (2 semesters, 1 credit each) 2 cr
   - MUSE 203 Introduction to Music Technology 2 cr
   - MUSE 300 Music Teaching and Learning 3 cr
   - MUSE 302 Music in Childhood 3 cr
   - MUSE 405 Principles and Techniques in Music Teaching and Learning 3 cr
   - MUSE 414 Methods of Elementary and Middle School Instrumental Music 3 cr
   - MUSE 416 Methods of Teaching Secondary Instrumental Music 3 cr

iii. **Required EDU Courses (19 credits)**
   - EDU 304 Context and Culture in Learning Environments 2 cr
   - EDU 300 Seminar and Practicum I: The Learner and Learning 1 cr
   - EDU 310 Seminar and Practicum II: Learning Design and Assessment 1 cr
   - EDU 400 Seminar and Practicum III: Teaching Content 1 cr
   - EDU 410 Seminar and Practicum IV: Individualized Learning Design 2 cr
   - EDU 420 Residency Seminar 2 cr
   - EDU 425 Residency (Student Teaching) 10 cr
5. Requirements for the Piano Pedagogy and Literature Concentration (16 credits)
This concentration prepares keyboard students for a career in private piano teaching. Students planning to attend graduate school will have excellent preparation and will be strong candidates for teaching assistantships. This program does not culminate in teacher licensure from the Wisconsin Department of Public Instruction.

Required Courses (16 credits)
- MUSI 420 Analytic Techniques 2 cr
- MUSI 375 Piano Pedagogy 2 cr
- MUSI 376 Advanced Piano Pedagogy 2 cr
- MUSI 479 Piano Teaching Practicum (2 semesters, 1 credits each) 2 cr
- MUSI 480 Seminar in Piano Literature and Performance Practice (4 semesters, 2 credits each) 8 cr

Music majors in the piano pedagogy and literature concentration begin course work as second-year students, after completion of the music theory prerequisite course work. The six-semester sequence can be started in the fall semester of any year, resulting in a four-year degree plan.

6. Requirements for the Liberal Arts Concentration (15 credits)
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.

a. Upper Division Music Courses (6 credits)
Choose two courses not in Music Core:
- MUSI or MUSE Music Electives 6 cr

b. Upper Division Non-Music Courses (6 credits)
Choose two courses outside the Music Department:
- Electives 6 cr

c. Required Music Capstone (3 credits)
- MUSI 489 Music Senior Seminar 3 cr

Requirements for the Music Minor (20 credits)
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. An audition is required for acceptance in the minor.

A. Required Music Courses (18 credits)
- MUSP 001 Concert Attendance (2 semesters with a grade of “CR”) 0 cr
- MUSP 102 Large Music Ensemble (2 semesters, 1 credit each) 2 cr
- MUSI 104 Music Appreciation 3 cr
- MUSI 120 Music Theory I 2 cr
- MUSI 121 Music Theory II 2 cr
- MUSP 135 Aural Music Theory I 1 cr
- MUSP 136 Aural Music Theory II 1 cr
- MUSP 150 Class Piano I 2 cr
- MUSP 151 Class Piano II 2 cr
- MUSI 242 Music Literature Lab 1 cr
- MUSA Major Applied Instrument 100 Level (2 semesters, 1 credit each) 2 cr

Music minors may continue applied music study beyond minimum requirements if concurrently enrolled in the appropriate large ensemble.
B. Elective Course (2 credits)
Choose one:
- MUSI 330 Music History I: 450-1750 2 cr
- MUSI 331 Music History II: 1750-20th Century 2 cr
- MUSI 332 World of Music 2 cr

Requirements for the Piano Pedagogy and Literature Certificate (18 credits)
The certificate in piano pedagogy and literature offers a program of professional preparation for teachers and students pursuing careers in piano teaching. A working knowledge of the theoretical foundations of music is essential for participants in this program. This may be accomplished by completion of Music Theory I and II and Aural Theory I and II at UW-Parkside or by transfer. Students may also demonstrate proficiency in these areas by examination.

Required Courses (18 credits)
- MUSA 110/111 Applied Piano 4 cr
- MUSI 375 Piano Pedagogy 2 cr
- MUSI 376 Advanced Piano Pedagogy 2 cr
- MUSI 479 Piano Teaching Practicum 2 cr
- MUSI 480 Seminar in Piano Literature and Performance Practice 8 cr

Courses in Music (MUSI)
100 Appreciation of World Music 3 cr
Prereq: None. Freq: Fall, Spring, Summer.
Introduces the many styles and types of music heard in America today; explores contributions made by cultures around the world.

101 Fundamentals of Music 3 cr
Prereq: None. Freq: Fall, Spring.
Acquaints the student with a basic music vocabulary. Includes study of notation, scales, melody and basic harmony. Open to all students.

104 Music Appreciation 3 cr
Prereq: None. Freq: Fall, Spring, Summer.
Explores musical enjoyment and understanding. Includes listening experiences in the various styles and forms of music, assigned readings and attendance at performances. Open to all students.

106 Jazz Appreciation 3 cr
Prereq: None. Freq: Fall, Spring
Study of the stylistic periods of jazz from its beginning through the present. Emphasis on key performers and their styles. Recordings and live performance included. Open to all students.

118 Rudiments of Music I 2 cr
Prereq: Music major or minor; or consent of instructor. Freq: Fall
Acquaints music students with a basic music vocabulary, including study of notation, scales, melody and basic harmony. Studies basic solfege, and basic piano skills.

119 Rudiments of Music II 2 cr
Prereq: MUSI 118; or consent of instructor. Freq: Spring
Continues to acquaint music students with a basic music vocabulary, including study of notation, scales, melody and basic harmony. Studies solfege, and basic piano skills.

120 Music Theory I 2 cr
Prereq: Music major or minor, concurrent registration in MUSP 135; or consent of instructor. Freq: Fall
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.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites</th>
<th>Frequency</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>121</td>
<td>Music Theory II</td>
<td>2 cr</td>
<td>Prereq: MUSI 120 with a grade of C or better, concurrent registration in MUSP 136. Freq: Spring.</td>
<td></td>
<td>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.</td>
</tr>
<tr>
<td>221</td>
<td>Music Theory III</td>
<td>2 cr</td>
<td>Prereq: MUSI 121 with a grade of C or better, concurrent registration in MUSP 236. Freq: Fall.</td>
<td></td>
<td>Studies in diatonic seventh chords, chromaticism, secondary functions, modulatory techniques, and binary and ternary forms. Includes projects in analysis and composition.</td>
</tr>
<tr>
<td>242</td>
<td>Music Literature Lab</td>
<td>1 cr</td>
<td>Prereq: Music major or minor, concurrent registration in MUSI 104; or consent of instructor. Freq: Fall.</td>
<td></td>
<td>Develops the listening and writing skills of student musicians through, aural analysis of musical works from different styles and periods of western music history.</td>
</tr>
<tr>
<td>290</td>
<td>Special Topics in Music</td>
<td>1-4 cr</td>
<td>Prereq: None. Freq: Occasionally.</td>
<td></td>
<td>Selected topics in music will be examined.</td>
</tr>
<tr>
<td>321</td>
<td>Music Theory IV</td>
<td>2 cr</td>
<td>Prereq: MUSI 221 with a grade of C or better, concurrent registration in MUSP 336. Freq: Spring.</td>
<td></td>
<td>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.</td>
</tr>
<tr>
<td>330</td>
<td>Music History I: 450-1750</td>
<td>2 cr</td>
<td>Prereq: MUSI 242 with a grade of C or better. Freq: Fall.</td>
<td></td>
<td>Surveys Western music from medieval to the early 18th century. Studies evolutionary style changes both within music and in relation to evolving civilization.</td>
</tr>
<tr>
<td>331</td>
<td>Music History II: 1750-20th Century</td>
<td>2 cr</td>
<td>Prereq: MUSI 330 with a grade of C or better. Freq: Spring.</td>
<td></td>
<td>Studies of the stylistic evolution of music from the 18th century through the present. Research paper required.</td>
</tr>
<tr>
<td>332</td>
<td>World of Music</td>
<td>2 cr</td>
<td>Prereq: MUSI 104 or consent of instructor. Freq: Fall.</td>
<td></td>
<td>Broad survey of music and its place in human cultures around the world. Students will consider traditional, popular, and classical music from a number of regions using an ethnomusicological perspective, highlighting similarities and differences in relation to other domains of cross-cultural social life.</td>
</tr>
<tr>
<td>333</td>
<td>Opera Literature</td>
<td>3 cr</td>
<td>Prereq: MUSI 104 or consent of instructor. Freq: Occasionally.</td>
<td></td>
<td>The study of elements of opera and their function, including analysis of selected operatic examples.</td>
</tr>
<tr>
<td>335</td>
<td>Music Literature Topic</td>
<td>2 cr</td>
<td>Prereq: MUSI 242, or consent of instructor. Freq: Occasionally.</td>
<td></td>
<td>Study of music literature, musical styles and forms. May be repeated for credit with different topic.</td>
</tr>
<tr>
<td>336</td>
<td>African American Music</td>
<td>3 cr</td>
<td>Prereq: None. Freq: Summer.</td>
<td></td>
<td>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.</td>
</tr>
</tbody>
</table>
340 American Popular Music  3 cr  
*Prereq: Music major or consent of instructor. Freq: Fall.*  
Studies American popular cultures exploring dozens of 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.

346 Jazz History  3 cr  
*Prereq: Music major or consent of instructor. Freq: Fall, Spring.*  
Study of stylistic periods of jazz from origins to present with emphasis on major performers and styles. Recordings and live performances included.

350 Music Business  2 cr  
*Prereq: None. Freq: Spring (odd years).*  
Investigation of employment in music through education, performing and various aspects of music as a business: publishing, instrument sales, recording and management. Open to all students.

375 Piano Pedagogy  2 cr  
*Prereq: MUSI 321; or consent of instructor. Freq: Occasionally.*  
Studies how to teach piano including pedagogic approaches, method books for elementary students, basic keyboard technique, sight reading, theory, musical concepts, group lessons, and business practices. Observation and practice teaching are included.

376 Advanced Piano Pedagogy  2 cr  
*Prereq: MUSI 321, MUSI 375; or consent of instructor. Freq: Occasionally.*  
Teaching the intermediate and advanced student; technical approaches, appropriate teaching literature, advanced reading skills, listening and ensemble skills. Observation and practice teaching are included.

377 Vocal Pedagogy  1 cr  
*Prereq: MUSA 181 or consent of instructor. Freq: Fall.*  
Introduces the student to voice science through readings and lectures including some independent reading and research. Explores vocal pedagogy with concepts utilized in a controlled setting where the student becomes the teacher.

378 Diction I: English and Italian  2 cr  
*Prereq: MUSA 181, concurrent registration in applied voice; or consent of instructor. Freq: Fall (even years).*  
Application of the International Phonetic Alphabet to English and Italian songs and arias.

379 Diction II: French and German  2 cr  
*Prereq: MUSA 181, concurrent registration in applied voice, or consent of instructor. Freq: Spring (odd years).*  
Application of the International Phonetic Alphabet to German and French songs and arias.

420 Analytic Techniques  2 cr  
*Prereq: MUSI 321 with a grade of C or better. Freq: Fall.*  
The structural and harmonic analysis of small and large musical forms.

421 Post-Tonal Materials and Techniques  2 cr  
*Prereq: MUSI 321 with a grade of C or better, or consent of instructor. Freq: Spring (odd years).*  
Studies in 20th-century music including impressionism, neo-classicism, atonality, serialization, set theory, aleatoric music, minimalism, technological developments, sound mass, and new approaches to rhythm. Examines the structural and harmonic analysis of small and large musical forms, with special emphasis upon rhythmic analysis, phrase mapping, and hypermeter.

422 Counterpoint  2 cr  
*Prereq: MUSI 321. Freq: Fall (odd years).*  
Counterpoint is the study of the principles of melodic construction, voice leading, and the treatment of dissonance in independent melodies sounding simultaneously. Class assignments include the composition of fixed, tonal melodies joined with added voices that introduce various categories of dissonance and proper resolution.

423 Orchestration and Arranging  2 cr  
*Prereq: MUSI 321, or consent of instructor. Freq: Spring (even years).*  
A study of individual instruments; scoring practices for orchestral instruments.

425 Jazz Arranging  2 cr  
*Prereq: MUSI 321, MUSP 336; or consent of instructor. Freq: Spring (odd years).*  
Study idiomatic writing for jazz instruments. Creating written arrangements in a variety of jazz styles for small and large jazz ensembles.
439  **Music History Topic**            3 cr  
*Prereq: MUSI 331 or consent of instructor. Freq: Occasionally.*  
Studies topics in music history, musical styles and forms. A research project will be required. Topic varies. May be repeated for credit with different topic.

447  **Jazz Styles**                  2 cr  
*Prereq: MUSI 346, music major with jazz studies and performance concentration; or consent of instructor. Freq: Spring (even years).*  
Studies jazz history through solo analysis, listening, ear training, and the performance of specific transcriptions from major jazz artists.

479  **Piano Teaching Practicum**     1 cr  
*Prereq: MUSI 375, or consent of instructor. Freq: Fall, Spring, Summer.*  
Assigned teaching of private students and/or group classes with supervision; observation and evaluation used to develop pedagogic skills. May be repeated for credit.

480  **Seminar in Piano Literature and Performance Practice**  2 cr  
*Prereq: Consent of instructor. Freq: Yearly.*  
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 be repeated for credit under different topics.

485  **Music Composition Seminar**    2 cr  
*Prereq: MUSI 321 or consent of instructor. Freq: Occasionally.*  
Analysis and composition. Seminar participation and individual composition lessons. May be repeated for credit.

489  **Music Senior Seminar**         3 cr  
*Prereq: Senior Standing, consent of instructor and department chair. Freq: Spring.*  
Students in their final year focus on the development and presentation of a portfolio (paper and electronic) and auditions/interview materials to prepare for professional careers and/or graduate study.

490  **Special Topics in Music**      1-4 cr  
*Prereq: None. Freq: Occasionally.*  
Selected topics in music will be studied.

495  **Music Internship**             1-3 cr  
*Prereq: Junior or senior standing, consent of department chair. Freq: Fall, Spring.*  
Individualized program of study for juniors and seniors that includes apprenticeships and internships at professional local music organizations and at UW-Parkside Fine Arts offices under the supervision of campus faculty and staff. May be repeated for a maximum of twelve credits.

499  **Independent Study**           1-5 cr  
*Prereq: Consent of instructor and department chair. Freq: Fall, Spring.*  
Allows students the opportunity to explore a variety of musical subjects and/or projects that are not regularly offered in other music courses.

**Graduate Courses (MUSI)**

690  **Special Topics**               1-4 cr  
*Prereq: Consent of instructor. Freq: Occasionally.*  
Selected topics in music will be studied.

699  **Independent Study**           1-5 cr  
*Prereq: Consent of instructor and department chair. Freq: Fall, Spring.*

**Courses in Music Performance (MUSP)**

001  **Concert Attendance**           0 cr  
*Prereq: Music major or minor. Freq: Fall, Spring.*  
Attendance of music programs selected from an approved concert calendar for the purpose of broadening the student’s musical experience.

102  **Large Music Ensemble**         1 cr  
*Prereq: None. Freq: Fall, Spring.*  
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.
135  Aural Music Theory I       1 cr
Prereq: Music major or minor, concurrent registration in MUSI 120; or consent of instructor. Freq: Fall.
Sight singing and aural recognition of the elements of tonal music including intervals, harmony, melody, rhythm and
tonality.

136  Aural Music Theory II      1 cr
Prereq: MUSI 120, and MUSP 135 with a grade of C or better; concurrent registration MUSI 121. Freq: Spring.
Continuation of Aural Music Theory I with an emphasis on aural recognition of the elements of 18th-century music.

150  Class Piano I            2 cr
Prereq: Music major or minor; or consent of instructor. Freq: Fall.
Basic piano literature, development of keyboard sight reading, harmonization, transposition and improvisation.

151  Class Piano II           2 cr
Prereq: Music major or minor and MUSP 150 with a grade of C or better; or consent of instructor. Freq: Spring.
Continuation of MUSP 150 to a higher level of performance and difficulty; includes contrapuntal literature.

153  Keyboard Accompanying and Chamber Music Performance   1 cr
Prereq: Consent of instructor. Freq: Fall, Spring.
Coaching for performance, including the study of accompanying technique, balance, instrumental color, vocal texts,
articulation, style and pedaling. May be repeated for credit.

223  Fundamentals of Improvisation      1 cr
Prereq: MUSI 120 or consent of instructor. Freq: Spring.
The study of scales, modes and associated chords used in jazz improvisation. Methods include applied, aural and written
study.

224  Jazz Improvisation I       1 cr
Prereq: MUSP 223 or consent of instructor. Freq: Fall.
Improvisation in a small-group setting playing major and minor blues and basic jazz tunes including introductions and
endings.

236  Aural Music Theory III     1 cr
Prereq: MUSI 121 and MUSP 136 with a minimum grade of C or better; concurrent registration MUSI 221. Freq: Fall.
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.

240  Sound Production I         2 cr
Prereq: Declared major in one of the following areas: music, theatre arts, art, communication or English. Freq: Spring.
Explores basics of sound production including recording, engineering and production.

250  Class Piano III for Music Education    2 cr
Prereq: MUSP 151 with a grade of C or better; or consent of instructor. Freq: Fall.
Playing of three-part scores, vocal and instrumental accompaniments, chorales, more difficult transposition and
harmonization; use of pedals.

251  Class Piano IV for Choral Education   1 cr
Prereq: MUSP 250 with a grade of C or better; or consent of instructor. Freq: Spring.
Playing of four-part vocal scores, orchestral scores, harmonization with secondary dominants, more complex
progressions, modulation, transposition, more difficult piano technique, accompaniments and literature.

253  Jazz Piano                1 cr
Prereq: Music major or minor, MUSP 151 with a grade of C or better; consent of instructor. Freq: Occasionally.
Students develop specific chord techniques on the piano that enhance the playing of their primary instruments, enable the
student to more fully understand the harmonies found in jazz repertoire, reinforce their knowledge of music theory, and
provide teaching tools for future jazz educators.

271  Instrumental Techniques and Pedagogy: Brass   1 cr
Prereq: Concurrent enrollment in MUSA secondary applied 100 level, or consent of instructor. Freq: Occasionally.
Covers theory and practice of playing individual instruments. Includes examination of method books, solo literature, and
ensemble repertoire.

273  Instrumental Techniques and Pedagogy: Percussion  1 cr
Prereq: Concurrent enrollment in MUSA secondary applied 100 level, or consent of instructor. Freq: Occasionally.
Covers theory and practice of playing individual instruments. Includes examination of method books, solo literature, and
ensemble repertoire.
274 Instrumental Techniques and Pedagogy: Strings  1 cr  
*Prereq: Concurrent enrollment in MUSA secondary applied 100 level, or consent of instructor. Freq: Occasionally.*  
Covers theory and practice of playing individual instruments. Includes examination of method books, solo literature, and ensemble repertoire.

275 Instrumental Techniques and Pedagogy: Woodwinds  1 cr  
*Prereq: Concurrent enrollment in MUSA secondary applied 100 level, or consent of instructor. Freq: Occasionally.*  
Covers theory and practice of playing individual instruments. Includes examination of method books, solo literature, and ensemble repertoire.

276 Instrumental Techniques and Pedagogy: Guitar  1 cr  
*Prereq: Consent of instructor. Freq: Occasionally.*  
Covers theory and practice of playing individual instruments. Includes examination of method books, solo literature, and ensemble repertoire.

277 Vocal Techniques  1 cr  
*Prereq: Music major or minor; or consent of instructor. Freq: Spring (even years).*  
Covers theory and practice of the elements of singing. Includes examination of method books, solo literature, and ensemble repertoire.

323 Jazz Improvisation II  1 cr  
*Prereq: MUSP 224. Freq: Spring.*  
Improvisation in a small group setting utilizing tunes based on II-V chord progressions with appropriate scale choices.

324 Jazz Improvisation III  2 cr  
*Prereq: MUSP 323. Freq: Fall.*  
Improvisation in a small group setting utilizing tunes with advanced II-V and chromatic progressions with faster tempos.

336 Aural Music Theory IV  1 cr  
*Prereq: MUSI 221 and MUSP 236 with a grade of C or better; concurrent registration MUSI 321. Freq: Spring.*  
Advanced sight singing and aural recognition of the elements of 19th- and 20th-century music, and coordination of gestural conducting elements.

342 Conducting  2 cr  
*Prereq: MUSI 221. Freq: Fall.*  
The development of basic manual technique for conducting: beat patterns, expressive gestures, cueing, rehearsal techniques.

345 Instrumental Conducting  2 cr  
*Prereq: MUSP 342. Freq: Fall (even years).*  
Techniques of instrumental conducting including baton technique, score reading and preparation, and rehearsal techniques.

346 Choral Conducting and Arranging  3 cr  
*Prereq: MUSP 342. Freq: Fall (even years).*  
Techniques of choral conducting including score reading and preparation, rehearsal techniques and basics of choral arranging.

353 Advanced Keyboard Accompanying and Chamber Music Performance  1 cr  
*Prereq: MUSP 153. Freq: Fall, Spring.*  
Coaching of 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.

360 Voices of Parkside  1 cr  
*Prereq: Audition. Freq: Fall, Spring.*  
In-depth study, intensive preparation, and refined performance of a wide range of challenging art, folk, and popular literature appropriate for chamber choral ensemble. Occasional additional rehearsals, frequent performances, and occasional tours required.

361 Chamber Music: Brass Ensemble  1 cr  
*Prereq: Audition. Freq: Fall, Spring.*  
Study and performance of literature for small ensembles. Open to all students. May be repeated for credit.

362 Chamber Music: Classical Guitar Ensemble  1 cr  
*Prereq: Audition. Freq: Fall, Spring.*  
Study and performance of literature for small ensembles. Open to all students. May be repeated for credit.
363 Chamber Music: Woodwind Ensemble 1 cr
Prereq: Audition. Freq: Fall, Spring.
Study and performance of literature for small ensembles. Open to all students. May be repeated for credit.

364 Chamber Music: Percussion Ensemble 1 cr
Prereq: Audition. Freq: Fall, Spring.
Study and performance of literature for small ensembles. Open to all students. May be repeated for credit.

365 Chamber Music: String Ensemble 1 cr
Prereq: Audition. Freq: Fall, Spring.
Study and performance of literature for small ensembles. Open to all students. May be repeated for credit.

366 Jazz Combo 1 cr
Prereq: Audition. Freq: Fall, Spring.
Study and performance of literature for small ensembles. Open to all students. May be repeated for credit.

367 Vocal Jazz Ensemble 1 cr
Prereq: Audition and concurrent enrollment in MUSP 102 (Chorale, Master Singers) or MUSP 360. Freq: Fall, Spring.
A small ensemble committed to study and performance of vocal jazz literature.

368 Contemporary A Cappella Ensemble 1 cr
Prereq: Consent of instructor. Freq: Fall, Spring.
Performs contemporary commercial music arrangements of known songs. 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 for performances.

369 Contemporary Commercial Music Ensemble 1 cr
Prereq: Consent of instructor. Freq: Occasionally.
Includes popular styles of music from the 20th and 21st Century. Travel may be required for performances.

390 Choral Special Project and Study 1-5 cr
Prereq: Audition. Freq: Occasionally.
Engagement of 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. Fees may apply.

487 Musical Theatre Workshop 1-3 cr
Prereq: Audition. Freq: Occasionally.
Study, research, preparation and performance of scenes, songs, and dances from musical theatre. May be repeated for credit.

488 Opera Theatre Workshop 1-3 cr
Prereq: Audition. Freq: Spring.
Perform opera/operetta roles/ensemble in scenes or a complete work. Behind the scenes opportunities include stage management, stage direction, production crew, or costumes/makeup for qualified students. May be repeated for credit. Field trips required. Additional fees required.

Courses in Music Education (MUSE)

203 Introduction to Music Technology 2 cr
Prereq: Music major or minor, or consent of instructor. Freq: Fall (even years).
Explores the broad dimensions of technology as they impact teachers and students in music education. Topics include music notation programs, audio sampling programs, digital audio and video recording, and assessment technologies applicable to classroom and ensemble.

300 Music Teaching and Learning 3 cr
Prereq: Music major or minor, or consent of instructor. Freq: Spring (even years).
Examines of 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.

302 Music in Childhood 3 cr
Prereq: MUSI 121, MUSP 150; or consent of the instructor. Freq: Fall (odd years).
Prepares students to teach general music to young children. Classes will equip students with the competencies to plan, create, implement, and evaluate a general music curriculum. Current trends, materials, methods, and approaches will be reviewed.
303 Interdisciplinary Teaching and Learning 2 cr  
Prereq: MUSE 300; or any EDU course; or consent of Instructor. Freq: (Fall, Spring)  
Students learn to integrate music, visual art, drama, and movement with elementary and middle school curricula. Methods of instruction include modeling and demonstration, group discussions, small group projects, critiques, and development of lesson plans that integrate the arts into the curricula.

405 Principles and Techniques in Music Teaching and Learning 3 cr  
Prereq: Senior standing in music or consent of the instructor; completion of math competency requirement. Freq: Spring (even years).  
Serves as capstone and examines the assessment of individual and large group musical aptitude and achievement, and includes program evaluation, introductory quantitative and qualitative research in music education, and explores critical issues and recent trends in music education.

411 Methods of Elementary and Middle School Choral Music 3 cr  
Prereq: MUSI 321 or consent of the instructor. Freq: Spring (odd years).  
Focuses on developing the knowledge, performances, and dispositions required in choral music educators in elementary and middle school settings. Topics include administration, curriculum development, literature selection, instructional planning, and teaching strategies.

412 Early Clinical Experience: Choral/General 1 cr  
Prereq: MUSE 321 or consent of instructor. Freq: Spring.  
Provides a variety of field observations of music programs, rehearsals, and performances. Field experiences include planning for and implementing ensemble warm-ups, planning for and leading sectional rehearsals, and working with selected students on solo or ensemble repertoire.

413 Methods of Teaching Secondary Choral Music 3 cr  
Prereq: MUSI 321 or consent of the instructor. Freq: Spring (odd years).  
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.

414 Methods of Elementary and Middle School Instrumental Music 3 cr  
Prereq: MUSI 321 or consent of the instructor. Freq: Spring (odd years).  
Prepares students to plan, organize, administer, and teach instrumental music in primary music program. Students participate in a variety of field observations of music programs, rehearsals, and performances.

415 Early Clinical Experience: Winds, Strings and Percussion 1 cr  
Prereq: MUSI 321 or consent of the instructor. Freq: Spring.  
Prepares students to plan, organize, administer, and teach instrumental music in the elementary and middle school music program. Provides clinical experience and guided practice in diverse instrument music settings. Students will use appropriate educational technology and current knowledge of learning development and differentiation to develop appropriate pedagogy.

416 Methods of Teaching Secondary Instrumental Music 3 cr  
Prereq: MUSI 321 or consent of the instructor. Freq: Spring (even years).  
Prepares students to plan, organize, administer, and teaching instrumental music in the secondary school music program. Students spend three hours per week in class and one hour per week observing and teaching in a laboratory ensemble. Students also participate in a variety of field observations of school music programs, rehearsals, and performances. Field experiences include planning for and implementing ensemble warm-ups, planning for and leading sectional rehearsals, and working with selected students on solo or ensemble repertoire.

420 Music Student Teaching Seminar 2 cr  
Prereq: Successful completion of all program requirements. Freq: Spring (even years).  
Learning in seminar supports successful completion of the residency and state-mandated edTPA evaluation of teaching practice (to begin in 2015). Candidates conduct research into their own practice in relation to three significant challenges (sustaining professional vision and identity; adaptive expertise in the face of complex education demands, and enacting and evaluating practice). Additional support for career placement and advanced professional development planning.

Courses in Applied Music (MUSA)

101 Performance Lab I 1 cr  
Prereq: Music major and concurrent enrollment in MUSA applied instrument 100 level; or consent of instructor. Freq: Fall, Spring.  
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 evaluation skills by assessing performances. Faculty and students provide assessment at every performance lab. May be repeated for credit.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>201</td>
<td>Performance Lab II</td>
<td>1 cr</td>
<td>Prereq: Music major and concurrent enrollment in MUSA applied instrument 200 level; or consent of instructor. Freq: Fall, Spring. 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 evaluation skills by assessing performances. Faculty and students provide assessment at every performance lab. May be repeated for credit.</td>
</tr>
<tr>
<td>301</td>
<td>Performance Lab III</td>
<td>1 cr</td>
<td>Prereq: Music major and concurrent enrollment in MUSA applied instrument 300 level; or consent of instructor. Freq: Fall, Spring. 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 evaluation skills by assessing performances. Faculty and students provide assessment at every performance lab. May be repeated for credit.</td>
</tr>
<tr>
<td>110-185</td>
<td>Applied Instruction – Major/Minor</td>
<td>1 cr</td>
<td>Prereq: [See individual prerequisites listed below]. Freq: Fall, Spring. Private instruction in 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 required class and permission numbers from a Music Department faculty academic adviser. Applied music instruction requires additional fees. See “Applied Music Courses MUSA” at the beginning of the music section in the University Catalog in the Music Department Chapter for further information. May be repeated for credit.</td>
</tr>
</tbody>
</table>

**Individual Course Prerequisites:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>110</td>
<td>Music major or minor; or consent of instructor; concurrent enrollment in MUSA 101 for majors.</td>
</tr>
<tr>
<td>111</td>
<td>Music major; MUSA 110 with a grade of C+ or better; concurrent enrollment in MUSA 101; or consent of instructor.</td>
</tr>
<tr>
<td>112</td>
<td>Music major or minor; or consent of instructor; concurrent enrollment in MUSA 101 for majors.</td>
</tr>
<tr>
<td>113</td>
<td>Music major; MUSA 112 with a grade of C+ or better; concurrent enrollment in MUSA 101; or consent of instructor.</td>
</tr>
<tr>
<td>116</td>
<td>Music major or minor; or consent of instructor; concurrent enrollment in MUSA 101 for majors.</td>
</tr>
<tr>
<td>117</td>
<td>Music major; MUSA 116 with a grade of C+ or better; concurrent enrollment in MUSA 101; or consent of instructor.</td>
</tr>
<tr>
<td>120</td>
<td>Music major or minor; or consent of instructor; concurrent enrollment in MUSA 101 for majors.</td>
</tr>
<tr>
<td>121</td>
<td>Music major; MUSA 120 with a grade of C+ or better; concurrent enrollment in MUSA 101; or consent of instructor.</td>
</tr>
<tr>
<td>122</td>
<td>Music major or minor; or consent of instructor; concurrent enrollment in MUSA 101 for majors.</td>
</tr>
<tr>
<td>123</td>
<td>Music major; MUSA 122 with a grade of C+ or better; concurrent enrollment in MUSA 101; or consent of instructor.</td>
</tr>
<tr>
<td>124</td>
<td>Music major or minor; or consent of instructor; concurrent enrollment in MUSA 101 for majors.</td>
</tr>
<tr>
<td>125</td>
<td>Music major; MUSA 124 with a grade of C+ or better; concurrent enrollment in MUSA 101; or consent of instructor.</td>
</tr>
<tr>
<td>126</td>
<td>Music major or minor; or consent of instructor; concurrent enrollment in MUSA 101 for majors.</td>
</tr>
<tr>
<td>127</td>
<td>Music major; MUSA 126 with a grade of C+ or better; concurrent enrollment in MUSA 101; or consent of instructor.</td>
</tr>
<tr>
<td>128</td>
<td>Music major or minor; or consent of instructor; concurrent enrollment in MUSA 101 for majors.</td>
</tr>
<tr>
<td>129</td>
<td>Music major; MUSA 128 with a grade of C+ or better; concurrent enrollment in MUSA 101; or consent of instructor.</td>
</tr>
<tr>
<td>130</td>
<td>Music major or minor; or consent of instructor; concurrent enrollment in MUSA 101 for majors.</td>
</tr>
<tr>
<td>131</td>
<td>Music major; MUSA 140 with a grade of C+ or better; concurrent enrollment in MUSA 101; or consent of instructor.</td>
</tr>
<tr>
<td>132</td>
<td>Music major or minor; or consent of instructor; concurrent enrollment in MUSA 101 for majors.</td>
</tr>
<tr>
<td>133</td>
<td>Music major; MUSA 142 with a grade of C+ or better; concurrent enrollment in MUSA 101; or consent of instructor.</td>
</tr>
<tr>
<td>134</td>
<td>Music major or minor; or consent of instructor; concurrent enrollment in MUSA 101 for majors.</td>
</tr>
<tr>
<td>135</td>
<td>Music major; MUSA 144 with a grade of C+ or better; concurrent enrollment in MUSA 101; or consent of instructor.</td>
</tr>
<tr>
<td>136</td>
<td>Music major or minor; or consent of instructor; concurrent enrollment in MUSA 101 for majors.</td>
</tr>
<tr>
<td>137</td>
<td>Music major; MUSA 146 with a grade of C+ or better; concurrent enrollment in MUSA 101; or consent of instructor.</td>
</tr>
<tr>
<td>138</td>
<td>Music major or minor; or consent of instructor; concurrent enrollment in MUSA 101 for majors.</td>
</tr>
<tr>
<td>139</td>
<td>Music major; MUSA 148 with a grade of C+ or better; concurrent enrollment in MUSA 101; or consent of instructor.</td>
</tr>
<tr>
<td>140</td>
<td>Music major or minor; or consent of instructor; concurrent enrollment in MUSA 101 for majors.</td>
</tr>
<tr>
<td>141</td>
<td>Music major; MUSA 150 with a grade of C+ or better; concurrent enrollment in MUSA 101; or consent of instructor.</td>
</tr>
<tr>
<td>142</td>
<td>Music major or minor; or consent of instructor; concurrent enrollment in MUSA 101 for majors.</td>
</tr>
<tr>
<td>143</td>
<td>Music major; MUSA 160 with a grade of C+ or better; concurrent enrollment in MUSA 101; or consent of instructor.</td>
</tr>
<tr>
<td>144</td>
<td>Music major or minor; or consent of instructor; concurrent enrollment in MUSA 101 for majors.</td>
</tr>
<tr>
<td>145</td>
<td>Music major; MUSA 162 with a grade of C+ or better; concurrent enrollment in MUSA 101; or consent of instructor.</td>
</tr>
<tr>
<td>146</td>
<td>Music major or minor; or consent of instructor; concurrent enrollment in MUSA 101 for majors.</td>
</tr>
</tbody>
</table>
300 Junior Recital 1 cr
Prereq: Junior standing, consent of music department chair. Freq: Fall, Spring.
Supervised recital preparation and performance with appropriate research and writing of the recital program notes. May be repeated for credit.

310-385 Applied Instruction – Major 1 cr
Prereq: [See individual prerequisites listed below]. Freq: Fall, Spring.
Private instruction in 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 required class and permission numbers from a Music Department faculty academic adviser. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" at the beginning of the music section in the University Catalog in the Music Department Chapter for further information.

Individual Course Prerequisites:
210 Music major; MUSA 111 with a grade of C+ or better; concurrent enrollment in MUSA 201; or consent of instructor.
211 Music major; MUSA 210 with a grade of C+ or better; concurrent enrollment in MUSA 201; or consent of instructor.
212 Music major; MUSA 113 with a grade of C+ or better; concurrent enrollment in MUSA 201; or consent of instructor.
213 Music major; MUSA 212 with a grade of C+ or better; concurrent enrollment in MUSA 201; or consent of instructor.
216 Music major; MUSA 117 with a grade of C+ or better; concurrent enrollment in MUSA 201; or consent of instructor.
217 Music major; MUSA 216 with a grade of C+ or better; concurrent enrollment in MUSA 201; or consent of instructor.
220 Music major; MUSA 121 with a grade of C+ or better; concurrent enrollment in MUSA 201; or consent of instructor.
221 Music major; MUSA 220 with a grade of C+ or better; concurrent enrollment in MUSA 201; or consent of instructor.
222 Music major; MUSA 123 with a grade of C+ or better; concurrent enrollment in MUSA 201; or consent of instructor.
223 Music major; MUSA 222 with a grade of C+ or better; concurrent enrollment in MUSA 201; or consent of instructor.
224 Music major; MUSA 125 with a grade of C+ or better; concurrent enrollment in MUSA 201; or consent of instructor.
225 Music major; MUSA 224 with a grade of C+ or better; concurrent enrollment in MUSA 201; or consent of instructor.
226 Music major; MUSA 127 with a grade of C+ or better; concurrent enrollment in MUSA 201; or consent of instructor.
227 Music major; MUSA 226 with a grade of C+ or better; concurrent enrollment in MUSA 201; or consent of instructor.
228 Music major; MUSA 129 with a grade of C+ or better; concurrent enrollment in MUSA 201; or consent of instructor.
229 Music major; MUSA 228 with a grade of C+ or better; concurrent enrollment in MUSA 201; or consent of instructor.
230 Music major; MUSA 141 with a grade of C+ or better; concurrent enrollment in MUSA 201; or consent of instructor.
231 Music major; MUSA 240 with a grade of C+ or better; concurrent enrollment in MUSA 201; or consent of instructor.
232 Music major; MUSA 143 with a grade of C+ or better; concurrent enrollment in MUSA 201; or consent of instructor.
233 Music major; MUSA 242 with a grade of C+ or better; concurrent enrollment in MUSA 201; or consent of instructor.
234 Music major; MUSA 145 with a grade of C+ or better; concurrent enrollment in MUSA 201; or consent of instructor.
235 Music major; MUSA 244 with a grade of C+ or better; concurrent enrollment in MUSA 201; or consent of instructor.
236 Music major; MUSA 147 with a grade of C+ or better; concurrent enrollment in MUSA 201; or consent of instructor.
237 Music major; MUSA 246 with a grade of C+ or better; concurrent enrollment in MUSA 201; or consent of instructor.
238 Music major; MUSA 149 with a grade of C+ or better; concurrent enrollment in MUSA 201; or consent of instructor.
239 Music major; MUSA 248 with a grade of C+ or better; concurrent enrollment in MUSA 201; or consent of instructor.
240 Music major; MUSA 151 with a grade of C+ or better; concurrent enrollment in MUSA 201; or consent of instructor.
241 Music major; MUSA 250 with a grade of C+ or better; concurrent enrollment in MUSA 201; or consent of instructor.
242 Music major; MUSA 161 with a grade of C+ or better; concurrent enrollment in MUSA 201; or consent of instructor.
243 Music major; MUSA 260 with a grade of C+ or better; concurrent enrollment in MUSA 201; or consent of instructor.
244 Music major; MUSA 163 with a grade of C+ or better; concurrent enrollment in MUSA 201; or consent of instructor.
245 Music major; MUSA 262 with a grade of C+ or better; concurrent enrollment in MUSA 201; or consent of instructor.
246 Music major; MUSA 165 with a grade of C+ or better; concurrent enrollment in MUSA 201; or consent of instructor.
247 Music major; MUSA 264 with a grade of C+ or better; concurrent enrollment in MUSA 201; or consent of instructor.
248 Music major; MUSA 167 with a grade of C+ or better; concurrent enrollment in MUSA 201; or consent of instructor.
249 Music major; MUSA 266 with a grade of C+ or better; concurrent enrollment in MUSA 201; or consent of instructor.
250 Music major; MUSA 169 with a grade of C+ or better; concurrent enrollment in MUSA 201; or consent of instructor.
251 Music major; MUSA 268 with a grade of C+ or better; concurrent enrollment in MUSA 201; or consent of instructor.
252 Music major; MUSA 181 with a grade of C+ or better; concurrent enrollment in MUSA 201; or consent of instructor.
253 Music major; MUSA 280 with a grade of C+ or better; concurrent enrollment in MUSA 201; or consent of instructor.
254 Music major; MUSA 185 with a grade of C+ or better; concurrent enrollment in MUSA 201; or consent of instructor.
255 Music major; MUSA 284 with a grade of C+ or better; concurrent enrollment in MUSA 201; or consent of instructor.
Individual Course Prerequisites:

- Music major; MUSA 211 with a grade of C+ or better; concurrent enrollment in MUSA 301; or consent of instructor, pass full faculty jury.
- Music major; MUSA 310 with a grade of C+ or better; concurrent enrollment in MUSA 301; or consent of instructor.
- Music major; MUSA 213 with a grade of C+ or better; concurrent enrollment in MUSA 301; or consent of instructor, pass full faculty jury.
- Music major; MUSA 312 with a grade of C+ or better; concurrent enrollment in MUSA 301; or consent of instructor.
- Music major; MUSA 217 with a grade of C+ or better; concurrent enrollment in MUSA 301; or consent of instructor, pass full faculty jury.
- Music major; MUSA 316 with a grade of C+ or better; concurrent enrollment in MUSA 301; or consent of instructor.
- Music major; MUSA 211 with a grade of C+ or better; concurrent enrollment in MUSA 301; or consent of instructor, pass full faculty jury.
- Music major; MUSA 221 with a grade of C+ or better; concurrent enrollment in MUSA 301; or consent of instructor.
- Music major; MUSA 320 with a grade of C+ or better; concurrent enrollment in MUSA 301; or consent of instructor.
- Music major; MUSA 223 with a grade of C+ or better; concurrent enrollment in MUSA 301; or consent of instructor, pass full faculty jury.
- Music major; MUSA 322 with a grade of C+ or better; concurrent enrollment in MUSA 301; or consent of instructor.
- Music major; MUSA 225 with a grade of C+ or better; concurrent enrollment in MUSA 301; or consent of instructor, pass full faculty jury.
- Music major; MUSA 324 with a grade of C+ or better; concurrent enrollment in MUSA 301; or consent of instructor.
- Music major; MUSA 227 with a grade of C+ or better; concurrent enrollment in MUSA 301; or consent of instructor, pass full faculty jury.
- Music major; MUSA 326 with a grade of C+ or better; concurrent enrollment in MUSA 301; or consent of instructor.
- Music major; MUSA 229 with a grade of C+ or better; concurrent enrollment in MUSA 301; or consent of instructor, pass full faculty jury.
- Music major; MUSA 328 with a grade of C+ or better; concurrent enrollment in MUSA 301; or consent of instructor, pass full faculty jury.
- Music major; MUSA 241 with a grade of C+ or better; concurrent enrollment in MUSA 301; or consent of instructor.
- Music major; MUSA 340 with a grade of C+ or better; concurrent enrollment in MUSA 301; or consent of instructor.
- Music major; MUSA 243 with a grade of C+ or better; concurrent enrollment in MUSA 301; or consent of instructor, pass full faculty jury.
- Music major; MUSA 342 with a grade of C+ or better; concurrent enrollment in MUSA 301; or consent of instructor.
- Music major; MUSA 245 with a grade of C+ or better; concurrent enrollment in MUSA 301; or consent of instructor, pass full faculty jury.
- Music major; MUSA 344 with a grade of C+ or better; concurrent enrollment in MUSA 301; or consent of instructor.
- Music major; MUSA 247 with a grade of C+ or better; concurrent enrollment in MUSA 301; or consent of instructor, pass full faculty jury.
- Music major; MUSA 346 with a grade of C+ or better; concurrent enrollment in MUSA 301; or consent of instructor.
- Music major; MUSA 249 with a grade of C+ or better; concurrent enrollment in MUSA 301; or consent of instructor, pass full faculty jury.
- Music major; MUSA 348 with a grade of C+ or better; concurrent enrollment in MUSA 301; or consent of instructor.
- Music major; MUSA 251 with a grade of C+ or better; concurrent enrollment in MUSA 301; or consent of instructor, pass full faculty jury.
- Music major; MUSA 350 with a grade of C+ or better; concurrent enrollment in MUSA 301; or consent of instructor, pass full faculty jury.
- Music major; MUSA 261 with a grade of C+ or better; concurrent enrollment in MUSA 301; or consent of instructor.
- Music major; MUSA 360 with a grade of C+ or better; concurrent enrollment in MUSA 301; or consent of instructor.
- Music major; MUSA 263 with a grade of C+ or better; concurrent enrollment in MUSA 301; or consent of instructor, pass full faculty jury.
- Music major; MUSA 362 with a grade of C+ or better; concurrent enrollment in MUSA 301; or consent of instructor.
- Music major; MUSA 265 with a grade of C+ or better; concurrent enrollment in MUSA 301; or consent of instructor, pass full faculty jury.
- Music major; MUSA 364 with a grade of C+ or better; concurrent enrollment in MUSA 301; or consent of instructor.
- Music major; MUSA 267 with a grade of C+ or better; concurrent enrollment in MUSA 301; or consent of instructor, pass full faculty jury.
- Music major; MUSA 366 with a grade of C+ or better; concurrent enrollment in MUSA 301; or consent of instructor.
- Music major; MUSA 269 with a grade of C+ or better; concurrent enrollment in MUSA 301; or consent of instructor, pass full faculty jury.
- Music major; MUSA 368 with a grade of C+ or better; concurrent enrollment in MUSA 301; or consent of instructor.
- Music major; MUSA 281 with a grade of C+ or better; concurrent enrollment in MUSA 301; or consent of instructor, pass full faculty jury.
- Music major; MUSA 380 with a grade of C+ or better; concurrent enrollment in MUSA 301; or consent of instructor.
- Music major; MUSA 285 with a grade of C+ or better; concurrent enrollment in MUSA 301; or consent of instructor, pass full faculty jury.
- Music major; MUSA 384 with a grade of C+ or better; concurrent enrollment in MUSA 301; or consent of instructor.
Senior Recital  2 cr
Prereq: Senior standing, consent of music department chair. Freq: Fall, Spring.
Supervised recital preparation and performance with appropriate research and writing of the recital program notes. May be repeated for credit.

Applied Instruction – Major  2 cr
Prereq: [See individual prerequisites listed below]. Freq: Fall, Spring.
Private instruction in 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 required class and permission numbers from a Music Department faculty academic adviser. Applied music instruction requires additional fees. See "Applied Music Courses MUSA" at the beginning of the music section in the University Catalog in the Music Department Chapter for further information.

Individual Course Prerequisites:
410 Music major with a concentration in music performance or jazz studies and performance; MUSA 311 with a grade of C+ or better; or consent of instructor.
411 Music major with a concentration in music performance or jazz studies and performance; MUSA 410 with a grade of C+ or better; or consent of instructor.
412 Music major with a concentration in music performance or jazz studies and performance; MUSA 313 with a grade of C+ or better; or consent of instructor.
413 Music major with a concentration in music performance or jazz studies and performance; MUSA 412 with a grade of C+ or better; or consent of instructor.
414 Music major with a concentration in music performance or jazz studies and performance; MUSA 317 with a grade of C+ or better; or consent of instructor.
415 Music major with a concentration in music performance or jazz studies and performance; MUSA 416 with a grade of C+ or better; or consent of instructor.
420 Music major with a concentration in music performance or jazz studies and performance; MUSA 321 with a grade of C+ or better; or consent of instructor.
421 Music major with a concentration in music performance or jazz studies and performance; MUSA 420 with a grade of C+ or better; or consent of instructor.
422 Music major with a concentration in music performance or jazz studies and performance; MUSA 323 with a grade of C+ or better; or consent of instructor.
423 Music major with a concentration in music performance or jazz studies and performance; MUSA 422 with a grade of C+ or better; or consent of instructor.
424 Music major with a concentration in music performance or jazz studies and performance; MUSA 325 with a grade of C+ or better; or consent of instructor.
425 Music major with a concentration in music performance or jazz studies and performance; MUSA 424 with a grade of C+ or better; or consent of instructor.
426 Music major with a concentration in music performance or jazz studies and performance; MUSA 327 with a grade of C+ or better; or consent of instructor.
427 Music major with a concentration in music performance or jazz studies and performance; MUSA 426 with a grade of C+ or better; or consent of instructor.
428 Music major with a concentration in music performance or jazz studies and performance; MUSA 329 with a grade of C+ or better; or consent of instructor.
429 Music major with a concentration in music performance or jazz studies and performance; MUSA 428 with a grade of C+ or better; or consent of instructor.
430 Music major with a concentration in music performance or jazz studies and performance; MUSA 331 with a grade of C+ or better; or consent of instructor.
431 Music major with a concentration in music performance or jazz studies and performance; MUSA 430 with a grade of C+ or better; or consent of instructor.
432 Music major with a concentration in music performance or jazz studies and performance; MUSA 332 with a grade of C+ or better; or consent of instructor.
433 Music major with a concentration in music performance or jazz studies and performance; MUSA 432 with a grade of C+ or better; or consent of instructor.
434 Music major with a concentration in music performance or jazz studies and performance; MUSA 334 with a grade of C+ or better; or consent of instructor.
435 Music major with a concentration in music performance or jazz studies and performance; MUSA 434 with a grade of C+ or better; or consent of instructor.
436 Music major with a concentration in music performance or jazz studies and performance; MUSA 335 with a grade of C+ or better; or consent of instructor.
437 Music major with a concentration in music performance or jazz studies and performance; MUSA 437 with a grade of C+ or better; or consent of instructor.
438 Music major with a concentration in music performance or jazz studies and performance; MUSA 338 with a grade of C+ or better; or consent of instructor.
439 Music major with a concentration in music performance or jazz studies and performance; MUSA 438 with a grade of C+ or better; or consent of instructor.
440 Music major with a concentration in music performance or jazz studies and performance; MUSA 341 with a grade of C+ or better; or consent of instructor.
441 Music major with a concentration in music performance or jazz studies and performance; MUSA 440 with a grade of C+ or better; or consent of instructor.
442 Music major with a concentration in music performance or jazz studies and performance; MUSA 343 with a grade of C+ or better; or consent of instructor.
443 Music major with a concentration in music performance or jazz studies and performance; MUSA 442 with a grade of C+ or better; or consent of instructor.
444 Music major with a concentration in music performance or jazz studies and performance; MUSA 345 with a grade of C+ or better; or consent of instructor.
445 Music major with a concentration in music performance or jazz studies and performance; MUSA 444 with a grade of C+ or better; or consent of instructor.
446 Music major with a concentration in music performance or jazz studies and performance; MUSA 347 with a grade of C+ or better; or consent of instructor.
447 Music major with a concentration in music performance or jazz studies and performance; MUSA 446 with a grade of C+ or better; or consent of instructor.
448 Music major with a concentration in music performance or jazz studies and performance; MUSA 349 with a grade of C+ or better; or consent of instructor.
449 Music major with a concentration in music performance or jazz studies and performance; MUSA 448 with a grade of C+ or better; or consent of instructor.
450 Music major with a concentration in music performance or jazz studies and performance; MUSA 351 with a grade of C+ or better; or consent of instructor.
Music major with a concentration in music performance or jazz studies and performance; MUSA 450 with a grade of C+ or better; or consent of instructor.

Music major with a concentration in music performance or jazz studies and performance; MUSA 361 with a grade of C+ or better; or consent of instructor.

Music major with a concentration in music performance or jazz studies and performance; MUSA 460 with a grade of C+ or better; or consent of instructor.

Music major with a concentration in music performance or jazz studies and performance; MUSA 363 with a grade of C+ or better; or consent of instructor.

Music major with a concentration in music performance or jazz studies and performance; MUSA 462 with a grade of C+ or better; or consent of instructor.

Music major with a concentration in music performance or jazz studies and performance; MUSA 365 with a grade of C+ or better; or consent of instructor.

Music major with a concentration in music performance or jazz studies and performance; MUSA 464 with a grade of C+ or better; or consent of instructor.

Music major with a concentration in music performance or jazz studies and performance; MUSA 367 with a grade of C+ or better; or consent of instructor.

Music major with a concentration in music performance or jazz studies and performance; MUSA 466 with a grade of C+ or better; or consent of instructor.

Music major with a concentration in music performance or jazz studies and performance; MUSA 369 with a grade of C+ or better; or consent of instructor.

Music major with a concentration in music performance or jazz studies and performance; MUSA 468 with a grade of C+ or better; or consent of instructor.

Music major with a concentration in music performance or jazz studies and performance; MUSA 381 with a grade of C+ or better; or consent of instructor.

Music major with a concentration in music performance or jazz studies and performance; MUSA 480 with a grade of C+ or better; or consent of instructor.

Music major with a concentration in music performance or jazz studies and performance; MUSA 385 with a grade of C+ or better; or consent of instructor.

Music major with a concentration in music performance or jazz studies and performance; MUSA 484 with a grade of C+ or better; or consent of instructor.

Applied Instruction List of Courses by Instrument

Piano: MUSA 010, 110, 111, 210, 211, 310, 311, 410, 411
Organ: MUSA 012, 112, 113, 212, 213, 312, 313, 412, 413
Trumpet: MUSA 020, 120, 121, 220, 221, 320, 321, 420, 421
Horn: MUSA 022, 122, 123, 222, 223, 322, 323, 422, 423
Trombone: MUSA 024, 124, 125, 224, 225, 324, 325, 424, 425
Baritone: MUSA 026, 126, 127, 226, 227, 326, 327, 426, 427
Tuba: MUSA 028, 128, 129, 228, 229, 328, 329, 428, 429
Violin: MUSA 040, 140, 141, 240, 241, 340, 341, 440, 441
Viola: MUSA 042, 142, 143, 242, 243, 342, 343, 442, 443
Cello: MUSA 044, 144, 145, 244, 245, 344, 345, 444, 445
String Bass: MUSA 046, 146, 147, 246, 247, 346, 347, 446, 447
Classical Guitar: MUSA 048, 148, 149, 248, 249, 348, 349, 448, 449
Harp: MUSA 050, 150, 151, 250, 251, 350, 351, 450, 451
Flute: MUSA 060, 160, 161, 260, 261, 360, 361, 461
Oboe: MUSA 062, 162, 163, 262, 263, 362, 363, 462, 463
 Saxophone: MUSA 066, 166, 167, 266, 267, 366, 367, 466, 467
Bassoon: MUSA 068, 168, 169, 268, 269, 368, 369, 468, 469
Voice: MUSA 080, 180, 181, 280, 281, 380, 381, 480, 481
Percussion: MUSA 084, 184, 185, 284, 285, 384, 385, 484, 485
UW-MILWAUKEE/UW-PARKSIDE CONSORTIAL 
NURSING PROGRAM

UW-PARKSIDE 2017-19 CATALOG 
Tallent Hall L-180 • 262-595-2480

College:
Natural and Health Sciences

Degree and Program Offered:
Bachelor of Science
Major - Nursing

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 adviser’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 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).

6. Communication: The graduate will interact effectively with patients, families, and colleagues, fostering mutual respect and shared decision making, to enhance patient satisfaction and health outcomes.

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. 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.

UW-Milwaukee faculty and administration reserve the right to make changes in these regulations after publication; some of these changes may affect students’ programs. Efforts will be made to publicize all changes, but it is the responsibility of students to ascertain the requirements of their program at all times. Admission to UW-Parkside does not imply or guarantee a student will be able to enter or complete a professional program within any specific time period.

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 2.50. In addition, nursing faculty evaluate students on a written essay, work and volunteer experiences. 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 adviser 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 15 of the current academic year. Applications received after this date will be reviewed on a space-available basis.

Eligibility Criteria (46 credits)
Students are required to meet the following criteria to be reviewed for selection into the nursing major:

A. Satisfactorily complete or be enrolled in the following courses:
   - CHEM 115 Chemical Science 4 cr
   - CHEM 215 Organic and Biochemistry 4 cr
   - SOCA Sociology Course (Any for three credits) 3 cr
   - ENGL 201 Advanced Composition 3 cr
   - BIOS 105 Human Physiology and Anatomy I 5 cr
   - BIOS 106 Human Physiology and Anatomy II 5 cr
   - BIOS 190 Fundamentals of Human Nutrition 2 cr
   - BIOS 202 General Microbiology 4 cr
   - PSYC 101 Introduction to Psychological Science 3 cr
   - PSYC 210 Introduction to Human Development 3 cr
   - Social Science Elective (see adviser for list) 3 cr
   - NURS 101 Cultural Diversity in Health Care 3 cr
   - NURS 102 Perspectives on Health Care Systems 2 cr
   - NURS 251 Genetics and Genomics in Healthcare 2 cr

B. Courses may be repeated only once. No more than three 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.

C. 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 2.50 on a 4.0 scale. This GPA is computed within the required sciences.

D. Achieve a minimum grade of 2.0 (C) in each of the required nursing and non-nursing courses as listed under part A.
E. Remove all incompletes and replace with acceptable grades before beginning the nursing major.

F. 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.

G. A statement written by the applicant.

H. Meet application deadlines.

I. 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.

J. An interview with the student making application may be requested at the discretion of the Undergraduate Program Committee.

K. 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 adviser.

**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/index.htm). 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 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 adviser 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.

Degree Requirements
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.
A. UW-Milwaukee General Education Requirements (GER) for Nursing Major*

**Humanities**
Consult nursing adviser for approved GER  
6 cr

**The Arts**
Consult nursing adviser for approved GER arts  
3 cr

**History**
Any course offered by History Department  
3 cr

**Foreign Language**
Two semesters of the same language  
0-8 cr

Electives  
8 cr

* All nursing students are responsible for checking whether they meet the UW-Milwaukee general education requirements (written above).

B. Pre-Nursing Prerequisites (44 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 201</td>
<td>Advanced Composition</td>
<td>3</td>
</tr>
<tr>
<td>SOCA</td>
<td>Sociology Course (Any for three credits)</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 101</td>
<td>Introduction to Psychological Science</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 210</td>
<td>Introduction to Human Development</td>
<td>3</td>
</tr>
<tr>
<td>SOCA</td>
<td>Social Science Elective**</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 115</td>
<td>Chemical Science</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 215</td>
<td>Organic and Biochemistry</td>
<td>4</td>
</tr>
<tr>
<td>BIOS 105</td>
<td>Human Physiology &amp; Anatomy I</td>
<td>5</td>
</tr>
<tr>
<td>BIOS 106</td>
<td>Human Physiology &amp; Anatomy II</td>
<td>5</td>
</tr>
<tr>
<td>BIOS 190</td>
<td>Fundamentals of Human Nutrition</td>
<td>2</td>
</tr>
<tr>
<td>BIOS 202</td>
<td>General Microbiology</td>
<td>4</td>
</tr>
<tr>
<td>NURS 101</td>
<td>Cultural Diversity in Health Care</td>
<td>3</td>
</tr>
<tr>
<td>NURS 102</td>
<td>Perspectives on Health Care Systems</td>
<td>2</td>
</tr>
<tr>
<td>NURS 251</td>
<td>Genetics and Genomics in Healthcare</td>
<td>2</td>
</tr>
</tbody>
</table>

**See nursing adviser for list.**

C. Required Nursing Courses for the Major (62 credits)

Students must be admitted to the nursing major. See nursing adviser, Tallent Hall L-180.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NURS 351</td>
<td>Professional Role I: Foundations of</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Professional Practice</td>
<td></td>
</tr>
<tr>
<td>NURS 352</td>
<td>Health &amp; Illness Concepts I: Introduction</td>
<td>3</td>
</tr>
<tr>
<td>NURS 353</td>
<td>Clinical Practicum I: Foundations</td>
<td>3</td>
</tr>
<tr>
<td>NURS 398</td>
<td>Health Assessment and Promotion in</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Nursing Practice</td>
<td></td>
</tr>
<tr>
<td>NURS 399</td>
<td>Concepts of Pathophysiology &amp;</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Pharmacotherapeutics I</td>
<td></td>
</tr>
<tr>
<td>NURS 400</td>
<td>Concepts of Pathophysiology &amp;</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Pharmacotherapeutics II</td>
<td></td>
</tr>
<tr>
<td>NURS 419</td>
<td>Concepts of Evidence-based</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Nursing Practice</td>
<td></td>
</tr>
<tr>
<td>NURS 420</td>
<td>Professional Role II: Provider Care</td>
<td>3</td>
</tr>
<tr>
<td>NURS 421</td>
<td>Health &amp; Illness Concepts II: Acute and</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Chronic Conditions</td>
<td></td>
</tr>
<tr>
<td>NURS 422</td>
<td>Clinical Practicum II: Acute &amp;</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Chronic Conditions</td>
<td></td>
</tr>
<tr>
<td>NURS 430</td>
<td>Professional Role III: Interprofessional</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Practice</td>
<td></td>
</tr>
<tr>
<td>NURS 431</td>
<td>Health &amp; Illness Concepts III: Lifespan</td>
<td>3</td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
<td>Credits</td>
</tr>
<tr>
<td>-------------</td>
<td>--------------------------------------------------</td>
<td>---------</td>
</tr>
<tr>
<td>NURS 432</td>
<td>Health &amp; Illness Concepts IV: Population Health</td>
<td>3 cr</td>
</tr>
<tr>
<td>NURS 433</td>
<td>Clinical Practicum III: Population Health</td>
<td>3 cr</td>
</tr>
<tr>
<td>NURS 434</td>
<td>Nursing Informatics &amp; Technology</td>
<td>3 cr</td>
</tr>
<tr>
<td>NUSR 476</td>
<td>Professional Role IV: Leading in Complex Systems</td>
<td>3 cr</td>
</tr>
<tr>
<td>NURS 477</td>
<td>Health &amp; Illness Concepts V: Complex</td>
<td>3 cr</td>
</tr>
<tr>
<td>NURS 478</td>
<td>Clinical Practicum IV: Clinical Intensive</td>
<td>3 cr</td>
</tr>
<tr>
<td>NURS 479</td>
<td>Clinical Practicum V: Capstone</td>
<td>3 cr</td>
</tr>
<tr>
<td>NURS 480</td>
<td>Transition to Professional Practice</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

Prior to enrolling in the first clinical practice course, NURS 353 Clinical Practicum I: 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.

Courses in the Consortial Nursing Program (NURS)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>101</td>
<td>Cultural Diversity in Health Care</td>
<td>3 cr</td>
</tr>
<tr>
<td>Prereq: None. Freq: Fall.</td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>102</td>
<td>Perspectives on Health Care Systems</td>
<td>2 cr</td>
</tr>
<tr>
<td>Prereq: None. Freq: Spring.</td>
<td>Provides students with orientation to the complexity of health care, health-care delivery systems and the populations served.</td>
<td></td>
</tr>
<tr>
<td>251</td>
<td>Genetics and Genomics in Healthcare</td>
<td>2 cr</td>
</tr>
<tr>
<td>Prereq: None. Freq: Spring.</td>
<td>This course emphasizes the relationship between the underlying science (genetics), the study of genomes (genomics) and the social, ethical and legal issues (genetics) in healthcare.</td>
<td></td>
</tr>
<tr>
<td>351</td>
<td>Professional Role I: Foundations of Professional Practice</td>
<td>3 cr</td>
</tr>
<tr>
<td>Prereq: Admission to nursing major. Freq: Fall.</td>
<td>Exploration of selected foundational concepts and principles essential to the professional nursing role.</td>
<td></td>
</tr>
<tr>
<td>352</td>
<td>Health and Illness Concepts I: Introduction</td>
<td>3 cr</td>
</tr>
<tr>
<td>Prereq: Admission to nursing major. Freq: Fall.</td>
<td>Introduction of selected foundational health and illness concepts essential to nursing practice.</td>
<td></td>
</tr>
<tr>
<td>353</td>
<td>Clinical Practicum I: Foundations</td>
<td>3 cr</td>
</tr>
<tr>
<td>Prereq: Admission to nursing major. Freq: Fall.</td>
<td>This clinical practicum course introduces students to the application of foundational knowledge, skills, and attitudes in the provision of nursing care.</td>
<td></td>
</tr>
<tr>
<td>398</td>
<td>Health Assessment and Promotion in Nursing Practice</td>
<td>3 cr</td>
</tr>
<tr>
<td>Prereq: Admission to nursing major. Freq: Fall.</td>
<td>Application of nursing concepts and skills to promote health and comprehensively assess the health status of individuals using a nursing framework.</td>
<td></td>
</tr>
<tr>
<td>399</td>
<td>Concepts of Pathophysiology and Pharmacotherapeutics I</td>
<td>4 cr</td>
</tr>
<tr>
<td>Prereq: Admission to nursing major. Freq: Fall.</td>
<td>Pathophysiology and pharmacology concepts for nursing across the lifespan</td>
<td></td>
</tr>
<tr>
<td>400</td>
<td>Concepts of Pathophysiology and Pharmacotherapeutics II</td>
<td>4 cr</td>
</tr>
<tr>
<td>Prereq: NURS 399. Freq: Spring.</td>
<td>Pathophysiology and pharmacology concepts for nursing across the lifespan</td>
<td></td>
</tr>
<tr>
<td>419</td>
<td>Concepts of Evidence-based Nursing Practice</td>
<td>3 cr</td>
</tr>
<tr>
<td>Prereq: NURS 352. Freq: Spring.</td>
<td>Introduction to and integration of concepts relevant to evidence-based nursing practice</td>
<td></td>
</tr>
<tr>
<td>420</td>
<td>Professional Role II: Provider of Care</td>
<td>3 cr</td>
</tr>
<tr>
<td>Prereq: NURS 351. Freq: Spring.</td>
<td>Examination of selected concepts and principles essential to the provision of patient care.</td>
<td></td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
<td>Credits</td>
</tr>
<tr>
<td>------------</td>
<td>--------------------------------------------------------</td>
<td>---------</td>
</tr>
<tr>
<td>421</td>
<td>Health and Illness Concepts II: Acute and Chronic Conditions</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td><strong>Prereq:</strong> NURS 352. <strong>Freq:</strong> Spring.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>This course focuses on nursing care of individuals and families experiencing acute and chronic health conditions using a holistic approach.</td>
<td></td>
</tr>
<tr>
<td>422</td>
<td>Clinical Practicum II: Acute and Chronic Conditions</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td><strong>Prereq:</strong> NURS 353. <strong>Freq:</strong> Spring.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>This clinical practicum course focuses on providing nursing care for individuals and families with acute and chronic conditions.</td>
<td></td>
</tr>
<tr>
<td>430</td>
<td>Professional Role III: Interprofessional Practice</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td><strong>Prereq:</strong> NURS 420. <strong>Freq:</strong> Fall.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Analysis of the factors that contribute to collaboration within and among teams.</td>
<td></td>
</tr>
<tr>
<td>431</td>
<td>Health and Illness Concepts III: Lifespan</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td><strong>Prereq:</strong> NURS 420. <strong>Freq:</strong> Fall.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>This course involves the integration of selected concepts in the care of individuals and families across the lifespan.</td>
<td></td>
</tr>
<tr>
<td>432</td>
<td>Health and Illness Concepts IV: Population Health</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td><strong>Prereq:</strong> NURS 421. <strong>Freq:</strong> Fall.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>This course focuses on nursing care to promote the health of populations and communities.</td>
<td></td>
</tr>
<tr>
<td>433</td>
<td>Clinical Practicum III: Population Health</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td><strong>Prereq:</strong> NURS 422. <strong>Freq:</strong> Fall.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>This clinical practicum course focuses on applying concepts and providing population based nursing care to aggregates.</td>
<td></td>
</tr>
<tr>
<td>434</td>
<td>Nursing Informatics and Technology</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td><strong>Prereq:</strong> Progression in nursing major. <strong>Freq:</strong> Fall.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Basic concepts of informatics are introduced with focus on application to clinical practice to improve safety and quality of care.</td>
<td></td>
</tr>
<tr>
<td>476</td>
<td>Professional Role IV: Leading in Complex Systems</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td><strong>Prereq:</strong> NURS 430, progression in nursing major. <strong>Freq:</strong> Spring.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Synthesis of knowledge, skills, and attitudes for leading in complex healthcare environments.</td>
<td></td>
</tr>
<tr>
<td>477</td>
<td>Health and Illness Concepts V: Complex</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td><strong>Prereq:</strong> NURS 431, 432. <strong>Freq:</strong> Spring.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Application of selected concepts to individuals/families with complex health and illness needs.</td>
<td></td>
</tr>
<tr>
<td>478</td>
<td>Clinical Practicum IV: Clinical Intensive</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td><strong>Prereq:</strong> NURS 431, 432 and concurrent 477. <strong>Freq:</strong> Spring.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>This practicum course focuses on providing nursing care to individuals, groups, and families experiencing complex health care problems and life events throughout the lifespan.</td>
<td></td>
</tr>
<tr>
<td>479</td>
<td>Clinical Practicum V: Capstone</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td><strong>Prereq:</strong> NURS 478 and progression in nursing major. <strong>Freq:</strong> Spring.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>This capstone clinical practicum course focuses on care delivery, care coordination, leadership, and transition to practice.</td>
<td></td>
</tr>
<tr>
<td>480</td>
<td>Transition to Professional Practice</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td><strong>Prereq:</strong> NURS 478, 479 and progression in nursing major. <strong>Freq:</strong> Spring.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>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.</td>
<td></td>
</tr>
</tbody>
</table>
POLITICS, PHILOSOPHY, AND LAW

UW-PARKSIDE 2017-19 CATALOG
Greenquist 318 • 262-595-2177

College:
Social Sciences and Professional Studies

Degree and Programs Offered:
Bachelor of Arts

Majors - Political Science, Philosophy

Minors - Legal Studies, Philosophy, Philosophy of Natural Science, Political Science, Political Science for Teachers, Public Policy Studies, World Politics

Certificate – Ethics

Major Concentrations - Law

Professional Accreditations or Memberships:
American Political Science Association; American Philosophical Association, Philosophy of Science Association

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, visit the department's website at www.uwp.edu.

Because of its emphasis on critical thinking and conceptual analysis, philosophy provides excellent preparation for a wide variety of professional studies and careers. UW-Parkside philosophy graduates have pursued many vocational interests in the past, from graduate school in philosophy and other fields in the humanities and social sciences, to law, librarianship, medical school, and business.

Department Overview

Although both continue to operate as separate academic programs, in 2012 the department of political science and law and the department of philosophy merged to form the department of politics, philosophy, and law. The program in political science provides many educational opportunities for the undergraduate student, with particular strengths in comparative politics, international relations, and legal studies. A unique feature of the department is the internship program, which permits students to earn academic credit while directly experiencing government, politics, public administration and law. The program in philosophy offers its majors and minors a variety of courses in traditional areas of philosophical inquiry while providing a broad range of general education courses and courses bearing on other disciplines. Philosophy and political science have collaborated in various ways for some time, in particular with cross-listed courses contributing to each other's programs.

The merging of the two departments provides a unique opportunity for our faculty and for our students. While philosophy is the rational investigation of truths about reality, knowledge and values essential to understanding the place of human beings in the world and the nature of the good life, political science is the systematic study of political systems, behaviors, and processes, as well as the systems of thought which underlie political structures. Both political science and law and philosophy include within their scope the study of logic and scientific method, as well as the investigation of ethical and political values. Thus they often provide reflective insight for other fields of study. In the future, the department’s intent is to more fully integrate the two academic programs in order to take full advantage of the possibilities for creative course offerings which will benefit students’ intellectual growth.
Preparation for Graduate School

The undergraduate major in political science can help prepare an individual for graduate study in law, public administration, the policy sciences, political science, or criminal justice. Internships, independent study, and off-campus programs for credit course work in political science provide an opening to the ideas and tools used in the field. Through internships with politicians and public officials, such as the district attorney and social service agencies, these tools and ideas may be used and evaluated in practice. The credit-bearing internship offers an excellent opportunity for exploring employment possibilities while supplementing academic training. Independent-study projects are strongly encouraged for political science students who wish to acquire the ability to do research and to explore their own interests. Off-campus programs provide a third possibility for professional development outside of regular course work. Programs in New York with the United Nations and in Washington with the federal government are available, as are other individualized arrangements.

Completing the major in philosophy will prepare students for entrance into graduate school in the field, but those interested in this option should endeavor to take as many upper level courses as they can in as many areas as possible, including especially the history of philosophy. Graduates in philosophy have also pursued graduate study in psychology, art history, library science, business (M.B.A.) and law.

Cross-listed Courses between Political Science and Law and Philosophy

POLS 207/PHIL 207 Classical Political Philosophy
POLS 221/PHIL 220 Politics, Law, and Society
POLS 304/PHIL 304 Theories of International Relations
POLS 306/PHIL 306 Modern Political Philosophy
POLS 307/PHIL 307 Contemporary Political Thought

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 civicly-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.

Requirements for Admission to the Political Science Major and to the Major with a Concentration in Law

1. A student must be in good academic standing at the time of declaring the major.

2. At least two courses in political science in courses numbered 100 through 105 with a grade of C or better in each course. (C-minus does not count.)
Requirements for the Political Science Major (34 credits)

This department offers the two major options: 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. The major in political science consists of a minimum of 34 credits. Students must complete a minimum of 15 credits at UW-Parkside in their major in courses numbered 300 or above in addition to POLS 445 Senior Seminar in Political Science.

A. Introductory Courses (9 credits)

Choose three courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLS 100</td>
<td>American Politics</td>
<td>3 cr</td>
</tr>
<tr>
<td>POLS 103</td>
<td>Introduction to Comparative Politics</td>
<td>3 cr</td>
</tr>
<tr>
<td>POLS 104</td>
<td>Introduction to International Relations</td>
<td>3 cr</td>
</tr>
<tr>
<td>POLS 105</td>
<td>Introduction to Politics</td>
<td>3 cr</td>
</tr>
<tr>
<td>POLS 202</td>
<td>Public Policy</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

B. Required Research Course (4 credits)

POLS 200 Research Methods and Sources 4 cr
This course is required even if another research methods course has been taken.

C. Advanced Courses (9 credits)

Choose three courses (one course from three different groups):

1. American Politics:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLS 116</td>
<td>Introduction to Law</td>
<td>3 cr</td>
</tr>
<tr>
<td>POLS 214</td>
<td>Executive and Legislative Politics</td>
<td>3 cr</td>
</tr>
<tr>
<td>POLS 360</td>
<td>Political Parties and Interest Groups</td>
<td>3 cr</td>
</tr>
<tr>
<td>POLS 375</td>
<td>Elections and Political Participation</td>
<td>3 cr</td>
</tr>
<tr>
<td>POLS 395</td>
<td>Voting Behavior and Political</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td>Participation</td>
<td></td>
</tr>
</tbody>
</table>

2. World Politics:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLS 224</td>
<td>American Foreign Policy</td>
<td>3 cr</td>
</tr>
<tr>
<td>POLS 304</td>
<td>Theories of International Relations</td>
<td>3 cr</td>
</tr>
<tr>
<td>POLS 330</td>
<td>European Politics</td>
<td>3 cr</td>
</tr>
<tr>
<td>POLS 331</td>
<td>The Politics of Developing Nations</td>
<td>3 cr</td>
</tr>
<tr>
<td>POLS 332</td>
<td>Socialist Thought and Practice</td>
<td>3 cr</td>
</tr>
<tr>
<td>POLS 334</td>
<td>Resistance</td>
<td>3 cr</td>
</tr>
<tr>
<td>POLS 335</td>
<td>Popular Music, Human Rights and</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td>Democratization</td>
<td></td>
</tr>
<tr>
<td>POLS 340</td>
<td>The Latin American Left</td>
<td>3 cr</td>
</tr>
<tr>
<td>POLS 341</td>
<td>International Conflict and Cooperation</td>
<td>3 cr</td>
</tr>
<tr>
<td>POLS 415</td>
<td>International Law</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

3. Political Theory:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLS 207</td>
<td>Classical Political Philosophy</td>
<td>3 cr</td>
</tr>
<tr>
<td>POLS 303</td>
<td>Science Fiction and Politics</td>
<td>3 cr</td>
</tr>
<tr>
<td>POLS 304</td>
<td>Theories of International Relations</td>
<td>3 cr</td>
</tr>
<tr>
<td>POLS 306</td>
<td>Modern Political Philosophy</td>
<td>3 cr</td>
</tr>
<tr>
<td>POLS 307</td>
<td>Contemporary Political Thought</td>
<td>3 cr</td>
</tr>
<tr>
<td>POLS 332</td>
<td>Socialist Thought and Practice</td>
<td>3 cr</td>
</tr>
<tr>
<td>POLS 334</td>
<td>Resistance</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

4. Public Policy:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLS 217</td>
<td>Tactical Decision Making</td>
<td>3 cr</td>
</tr>
<tr>
<td>POLS 302</td>
<td>Environmental Policy</td>
<td>3 cr</td>
</tr>
<tr>
<td>POLS 312</td>
<td>Introduction to Global Warming Policy and Governance</td>
<td>3 cr</td>
</tr>
<tr>
<td>POLS 316</td>
<td>Diversity Law: African Americans</td>
<td>3 cr</td>
</tr>
<tr>
<td>POLS 317</td>
<td>Strategic Decision Making</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

Note: Students may count POLS 304, 332 and 334 for world politics or political theory, not for both.
D. Additional Upper Level Courses (9 credits)
Choose at least three additional courses numbered 300 or above:

The political science internship (POLS 494) and independent study (POLS 490) 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.
Independent study credits do not count toward meeting the 15 upper level credit-hour requirement for the major.
Only 3 credits of internship credit can be used to meet the 15 upper level credit-hour requirement for the major.

E. Required Senior Seminar (3 credits)
POLS 445 Senior Seminar in Political Science 3 cr

Requirements for the Political Science Major with a Concentration in Law (33-34 credits)
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:

A. Required Courses (21-22 credits)
POLS 100 American Politics 3 cr
POLS 200 Research Methods and Sources 4 cr
OR
PHIL 275 Techniques of Philosophical Research 3 cr
POLS 116 Introduction to Law 3 cr
POLS 202 Public Policy 3 cr
POLS 310 Constitutional Law: Civil Liberties 3 cr
POLS 445 Senior Seminar in Political Science 3 cr

B. Introductory Course (3 credits)
Choose one course:
POLS 103 Introduction to Comparative Politics 3 cr
POLS 104 Introduction to International Relations 3 cr
POLS 105 Introduction to Politics 3 cr

C. Upper Level Electives (9 credits)
Choose three courses (minimum of one POLS):
BUS 372 Business Law 3 cr
COMM 485 Practicum in Conflict Intervention 3 cr
CRMJ 325 Restorative Justice 3 cr
CRMJ 364 Capital Punishment 3 cr
CRMJ 380 Criminal Law 3 cr
HESM 300 Legal Issues in Sport and Fitness Management 3 cr
HESM 310 Sports Industry Regulation 3 cr
POLS 302 Environmental Policy 3 cr
POLS 312 Introduction to Global Warming Policy and Governance 3 cr
POLS 316 Diversity Law: African Americans  3 cr
POLS 494 Internship**  3 cr
POLS 415 International Law  3 cr
SOCA 359 Law and Society  3 cr

D. Strongly Recommended
PHIL 201 Logic  3 cr

**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.

Requirements for Graduating with a Political Science 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.

Requirements for the Legal Studies Minor (18 Credits)
A. Required Courses (9 credits)
POLS 116 Introduction to Law  3 cr
POLS 202 Public Policy  3 cr
Choose one course:
POLS 310 Constitutional Law: Civil Liberties  3 cr

B. Elective POLS Courses (6 credits)
Choose two courses:
POLS 221 Politics, Law and Society  3 cr
POLS 310 Constitutional Law: Civil Liberties  3 cr
POLS 316 Diversity Law: African Americans  3 cr
POLS 415 International Law  3 cr
POLS 445 Senior Seminar in Political Science  3 cr
POLS 490 Special Topics in Political Science  3 cr
(with permission of legal studies adviser)

C. Elective Course (3 credits)
Choose one course:
BUS 372 Business Law  3 cr
CRMJ 316 Criminal Procedure  3 cr
CRMJ 325 Restorative Justice  3 cr
SOCA 359 Law and Society  3 cr

Requirements for the Political Science for Teachers Minor (19 credits)
A. Required Courses (13 credits)
POLS 100 American Politics  3 cr
POLS 105 Introduction to Politics  3 cr
POLS 200 Research Methods and Sources  4 cr
POLS 335 Popular Music, Human Rights and Democratization  3 cr
B. Elective Courses (6 credits)

Choose one (3 credits):
POLS 214 Executive and Legislative Politics 3 cr
POLS 221 Politics, Law and Society 3 cr

Choose one (3 credits):
POLS 306 Modern Political Philosophy 3 cr
POLS 307 Contemporary Political Thought 3 cr

Requirements for the Public Policy Studies Minor (15 credits)

A. Required Courses (9 credits)
POLS 202 Public Policy 3 cr
POLS 203 Women, Power and Politics 3 cr
POLS 312 Introduction to Global Warming Policy and Governance 3 cr

B. Public Policy Courses (6 credits)
Choose any two relevant public policy POLS 490 special topics courses (for a total of 6 credits).

Note: POLS 200 Research Methods and Sources, is not required for any minor in the department. However, certain advanced courses have POLS 200 as a prerequisite. If you have not taken POLS 200, check with the instructor of a course to see if it is a course prerequisite.

Requirements for the Student-Designed Political Science Minor (18 credits)

A. Choose two POLS 100-level courses (6 credits)
B. Choose one POLS 200-level course (3 credits)
C. Choose three POLS 300-level courses (9 credits)

Requirements for the World Politics Minor (18 credits)

A. Required Courses (9 credits)
POLS 103 Introduction to Comparative Politics 3 cr
POLS 104 Introduction to International Relations 3 cr
POLS 304 Theories of International Relations 3 cr

B. World Politics Elective Courses (9 credits)
Choose three courses:
POLS 224 American Foreign Policy 3 cr
POLS 304 Theories of International Relations 3 cr
POLS 330 European Politics 3 cr
POLS 331 The Politics of Developing Nations 3 cr
POLS 332 Socialist Thought and Practice 3 cr
POLS 334 Resistance 3 cr
POLS 335 Popular Music, Human Rights and Democratization 3 cr
POLS 415 International Law 3 cr
PHIL 340 Bioethics 3 cr
PHIL 341 Business Ethics 3 cr
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. Students who are required to take English 100 should not enroll in a philosophy course until they have satisfactorily completed English 100.

Requirements for the Philosophy Major (36 credits)

The major in philosophy consists of a minimum of 36 credits in philosophy courses. The following requirements apply to all majors:

• 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.

A. Required Courses (12 credits)

PHIL 201 Logic 3 cr
PHIL 260 /360 History of Philosophy: Ancient 3 cr
PHIL 261 /361 History of Philosophy: Early Modern 3 cr
PHIL 275 Techniques of Philosophical Research 3 cr

B. Elective Courses (12 credits)

All majors are required to complete two courses (with one at the 300 level) in two of the following three areas (12 credits):
(1) Ethics, Value Theory, and Social and Political Thought; (2) Metaphysics and Philosophy of Mind; and (3) Epistemology and the Philosophy of Science. 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.

1. Ethics, Value Theory and Political Thought

PHIL 206 Introduction to Ethics 3 cr
PHIL 207 Classical Political Philosophy 3 cr
PHIL 213 Aesthetics 3 cr
PHIL 215 Contemporary Moral Problems 3 cr
PHIL 220 Politics, Law, and Society 3 cr
PHIL 306 Modern Political Philosophy 3 cr
PHIL 307 Contemporary Political Thought 3 cr
PHIL 320 Value Theory 3 cr
PHIL 328 Ethics in the Criminal Justice System 3 cr
PHIL 340 Bioethics 3 cr
PHIL 341 Business Ethics 3 cr
2. **Metaphysics and Philosophy of Mind**
   - PHIL 204 Reason and Reality 3 cr
   - PHIL 205 Philosophy of Religion 3 cr
   - PHIL 255 Topics in Continental Thought 3 cr
   - PHIL 305 Philosophical Analysis (depending on the topic) 3 cr
   - PHIL 315 Metaphysics 3 cr
   - PHIL 355 Topics in Continental Thought 3 cr

3. **Epistemology and Philosophy of Science**
   - GSCI 102 Science and Pseudoscience 3 cr
   - PHIL 203 Truth, Knowledge, and Belief 3 cr
   - MATH/PHIL 303 Set Theory, Logic, and Proof 4 cr
   - PHIL 305 Philosophical Analysis (depending on the topic) 3 cr
   - PHIL 310 Philosophy of Science 3 cr

C. **Additional Elective Courses (12 credits)**
   Choose 12 additional credits of PHIL courses.

**Requirements for the Philosophy Minor (18 credits)**

- 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.

A. Choose three PHIL 300-or 400-level courses (9 credits)
B. Choose two PHIL 200-level or above courses (6 credits)
C. Choose one PHIL course at any level (3 credits)

**Requirements for the Philosophy of Natural Science Minor (18 credits)**

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.

A. **Required Courses (9 credits)**
   - GSCI 102 Science and Pseudoscience 3 cr
   - PHIL 201 Logic 3 cr
   - PHIL 310 Philosophy of Science 3 cr

B. **Elective Courses (9 credits)**
   Choose three courses:
   - MATH 373 History of Mathematics 3 cr
   - PHIL 102 Great Thinkers 3 cr
   - PHIL 203 Truth, Knowledge and Belief 3 cr
   - PHIL 204 Reason and Reality 3 cr
   - MATH/PHIL 303 Set Theory, Logic and Proof 4 cr
   - PHIL 310 Philosophy of Science (may repeat with different topic) 3 cr
   Other courses will be accepted as electives from time to time as suitable.
Requirements for the Ethics Certificate (12 credits)

A. Required Courses (6 credits)
- PHIL 206 Introduction to Ethics 3 cr
- PHIL 215 Contemporary Moral Problems 3 cr

B. Elective Courses (6 credits)
- PHIL 320 Value Theory 3 cr
- PHIL 328 Ethics in the Criminal Justice System 3 cr
- PHIL 340 Bioethics 3 cr
- PHIL 341 Business Ethics 3 cr
- POLS 349 Global Ethics 3 cr
- HESM 282 Ethics and Issues in Sport Management 3 cr

Teacher Education Licensure in Political Science

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 the political science department and the Institute of Professional Educator Development (IPED).

The requirements for teacher licensure are specific and therefore students must meet with the IPED Adviser to coordinate the major and teacher education curriculum. It is very important to contact the IPED adviser at 262-595-2180 or Molinaro D111 as soon as possible. Students are required to seek advising each semester from both the IPED Adviser and the political science 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

Courses in Political Science (POLS)

100 American Politics 3 cr
   Prereq: None. Freq: Fall, Spring, Summer.
   Examines institutions, processes and dynamics of the American governmental system emphasizing problems of policy-making in a pluralistic democratic system.

103 Introduction to Comparative Politics 3 cr
   Prereq: None. Freq: Fall.
   Explores questions such as why some developed democracies have extensive welfare states and the differences between prime ministers and presidents through qualitative and quantitative analysis.

104 Introduction to International Relations 3 cr
   Prereq: None. Freq: Fall.
   Conceptual and theoretical tools for interpreting world politics and navigating 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.

105 Introduction to Politics 3 cr
   Prereq: None. Freq: Fall.
   Provides a general introduction 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.

116 Introduction to Law 3 cr
   Prereq: None. Freq: Yearly.
   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.

200 Research Methods and Sources 4 cr
   Prereq: Completion of POLS introductory sequence. Freq: Yearly.
   Methods, philosophy, and sources of political science research. Required for the major in political science and for the concentration in legal studies.

202 Public Policy 3 cr
   Prereq: POLS 100. Freq: Occasionally.
   Explores the processes, problems, methods and issues involved in the formulation of public policies. Emphasis on policy formation at the national, state, and local levels. Case studies employed.
203 Women, Power and Politics  
**Prereq:** None. **Freq:** Occasionally.
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.

207 Classical Political Philosophy  
**Prereq:** One of the following: POLS 105, PHIL 101, HIST 118. **Freq:** Occasionally.
The works of classical Greek political philosophers Thucydides, Plato, and Aristotle. Cross-listed with PHIL 207.

214 Executive and Legislative Politics  
**Prereq:** POLS 100. **Freq:** Occasionally.
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.

217 Tactical Decision Making  
**Prereq:** None. **Freq:** Fall (even years).
Examines tactical decision making from both a rational and cognitive-bureaucratic perspective.

221 Politics, Law and Society  
**Prereq:** None. **Freq:** Fall.
Studies how law and politics interact with personal and social identity, including race, gender, and class. Cross-listed with PHIL 220.

224 American Foreign Policy  
**Prereq:** One POLS course or junior standing. **Freq:** Occasionally.
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.

231 State and Local Government and Politics  
**Prereq:** POLS 100 or consent of instructor. **Freq:** Occasionally.
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.

290 Special Topics in Political Science  
**Prereq:** Varies by topic. **Freq:** Occasionally.
Selected topics in political science will be studied. May be repeated for credit with a different topic.

302 Environmental Policy  
**Prereq:** POLS 100 or ENVS major or minor. **Freq:** Occasionally.
Surveys the political and social aspects of environmental policy making and how different political decision-making structures respond to various environmental issues.

303 Science Fiction and Politics  
**Prereq:** POLS 104 or 105. **Freq:** Summer.
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.

304 Theories of International Relations  
**Prereq:** POLS 104, 200. **Freq:** Spring.
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.

306 Modern Political Philosophy  
**Prereq:** One of the following: POLS 105, PHIL 101, HIST 119, 120. **Freq:** Occasionally.
The works of modern political thinkers such as Machiavelli, Hobbes, Locke, Rousseau, Mill, Hegel, Marx, and Nietzsche. Cross-listed with PHIL 306.

307 Contemporary Political Thought  
**Prereq:** One POLS or PHIL course. **Freq:** Occasionally.
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.

310 Constitutional Law: Civil Liberties  
**Prereq:** POLS 100 or 116, or junior standing or consent of instructor. **Freq:** Yearly.
Examines U.S. Supreme Court cases concerned with the protection of civil liberties. Includes race and equality; sex, marriage, and reproduction; free speech; freedom of religion.
312 Introduction to Global Warming Policy and Governance  
**3 cr**  
*Prereq: POLS100 or equivalent. Freq: Occasionally.*  
Examines and evaluates greenhouse gas mitigation and adaptation policies which are being implemented by a variety of national and sub-national governments.

316 Diversity Law: African Americans  
**3 cr**  
*Prereq: POLS 100 or ETHN minor. POLS 116 recommended. Freq: Occasionally.*  
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.

317 Strategic Decision Making  
**3 cr**  
*Prereq: POLS 217. Freq: Spring (odd years).*  
Examines decision making from both a rational and cognitive-bureaucratic perspective. Investigates the universal applications of theoretical strategic thinking, integrate tactical and strategic decision making, and apply creative and critical thinking in strategic formulation and implementation. Explores case studies of military, political and corporate strategies.

**3 cr**  
*Prereq: POLS 100 or 116, or junior standing or consent of instructor. Freq: Yearly.*  
Examines the structure of government established by the Constitution. Topics include 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.

330 European Politics  
**3 cr**  
*Prereq: POLS 103 or 104. Freq: Occasionally.*  
Examines political culture, political institutions, and public choices of European democratic states. Focuses on the history, institutions, and policies of the European Union.

331 The Politics of Developing Nations  
**3 cr**  
*Prereq: POLS 103 or 104. Freq: Occasionally.*  
Examines problems of developing political institutions as they cope with and generate processes of, social change, economic development, and cultural independence.

332 Socialist Thought and Practice  
**3 cr**  
*Prereq: POLS 103, 104 or 105; or consent of instructor. Freq: Occasionally.*  
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.

334 Resistance  
**3 cr**  
*Prereq: Junior standing or consent of instructor. Freq: Yearly.*  
Examines the dissemination of and resistance to power (in a Foucauldian sense) in the global economy/polity. Introduces the concept of modernity and its underside via Horkheimer, Adorno, and Foucault's notion of power within modern and post-modern contexts. Extends these notions through the works of Deleuze, Hardt and Negri, and others. Cross-listed with INTS 334.

335 Popular Music, Human Rights and Democratization  
**3 cr**  
*Prereq: One class in POLS. Freq: Yearly.*  
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.

340 The Latin American Left  
**3 cr**  
*Prereq: POLS 104. Freq: Occasionally.*  
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.

341 International Conflict and Cooperation  
**3 cr**  
Cooperation and competition in the anarchic environment 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/regional organizations.

344 African Politics  
**3 cr**  
*Prereq: Sophomore standing. Freq: Yearly.*  
Examines political, economic and cultural strengths of African countries. Includes common challenges to African countries, such as colonial history, debt, resource development, and violent conflict.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites</th>
<th>Frequency</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>349</td>
<td>Global Ethics</td>
<td>3 cr</td>
<td>Sophomore standing</td>
<td>Occasionally</td>
<td>Examines current global issues, conditions, and choices in terms of the ethical questions they present. Topics vary. May be repeated with a different topic.</td>
</tr>
<tr>
<td>356</td>
<td>Political Sociology</td>
<td>3 cr</td>
<td>SOCA 101</td>
<td>Occasionally</td>
<td>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.</td>
</tr>
<tr>
<td>360</td>
<td>Political Parties and Interest Groups</td>
<td>3 cr</td>
<td>POLS 100</td>
<td>Occasionally</td>
<td>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.</td>
</tr>
<tr>
<td>367</td>
<td>Latinos (as) and the Law</td>
<td>3 cr</td>
<td>CRMJ 101 or POLS 100; consent of instructor</td>
<td>Occasionally</td>
<td>Introduces and examines experiences Latinos(as) encounter with and within the U.S. criminal justice system, as well as related international and transnational issues. A range of theoretical frameworks will be utilized, including socio-ecological, political, and psychological. Cross-listed with CRMJ 367/ISTD 367.</td>
</tr>
<tr>
<td>375</td>
<td>Elections and Political Participation</td>
<td>3 cr</td>
<td>POLS 100, 200 or concurrent registration</td>
<td>Occasionally</td>
<td>Introduces students to some of the major topics of debate and research in political science with regards to voter behavior and political participation in U.S. politics, with a heavy emphasis on federal elections.</td>
</tr>
<tr>
<td>390</td>
<td>Special Topics</td>
<td>3 cr</td>
<td>None</td>
<td>Occasionally</td>
<td>Selected topics in political science will be examined. May be repeated for credit with different topic.</td>
</tr>
<tr>
<td>395</td>
<td>Voting Behavior and Political Participation</td>
<td>3 cr</td>
<td>POLS 100, 200 or concurrent with 200</td>
<td>Occasionally</td>
<td>Examines and criticizes competing explanations of voting behavior and political participation in the United States. Features dynamics of citizen involvement in the political process.</td>
</tr>
<tr>
<td>415</td>
<td>International Law</td>
<td>3 cr</td>
<td>Senior standing, POLS 104, 200</td>
<td>Occasionally</td>
<td>Survey course in the international legal relationships among actors in world politics. Although much of the course is an overview of the legal framework of public international law, various case studies are investigated.</td>
</tr>
<tr>
<td>416</td>
<td>The International Criminal Court</td>
<td>3 cr</td>
<td>Junior standing</td>
<td>Occasionally</td>
<td>Provides a historical and political overview of the development of the international criminal court of the context of the international law. Genocide, crimes against humanity, war crimes, and aggression will be investigated. Highlights specific cases.</td>
</tr>
<tr>
<td>445</td>
<td>Senior Seminar in Political Science</td>
<td>3 cr</td>
<td>Senior standing</td>
<td>Occasionally</td>
<td>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.</td>
</tr>
<tr>
<td>490</td>
<td>Special Topics in Political Science</td>
<td>3 cr</td>
<td>POLS 100 or consent of instructor and section prerequisite</td>
<td>Occasionally</td>
<td>Select topics in political science will be studied at an advanced level.</td>
</tr>
<tr>
<td>494</td>
<td>Internship in Political Science</td>
<td>1-12 cr</td>
<td>POLS 104, 200; consent of instructor and department chair</td>
<td>Fall, Spring, Summer</td>
<td>Provides opportunities to serve as intern in state, regional, county, or local government offices or in the offices of elected officials.</td>
</tr>
<tr>
<td>499</td>
<td>Independent Study</td>
<td>1-6 cr</td>
<td>Consent of Instructor and a Department Chair</td>
<td>Fall, Spring, Summer</td>
<td>Provides individual instruction on topics related to political science. A maximum of 6 credits may be applied toward the major.</td>
</tr>
</tbody>
</table>
Courses in Philosophy (PHIL)

101 Introduction to Philosophy 3 cr
Prereq: None. Freq: Fall, Spring, Summer.
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.

102 Great Thinkers 3 cr
Prereq: None. Freq: Yearly.
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.

200 Topics in the History of Philosophy 3 cr
Prereq: None. Freq: Occasionally.
Examination in depth of a selected figure, movement, or issue in the history of philosophy. Original sources in translation are studied. May be repeated for credit.

201 Logic 3 cr
Prereq: None. Freq: Yearly.
Emphasis on basic skills of critical thinking, in particular the construction and analysis of arguments in everyday life. Formal and informal arguments are investigated.

203 Truth, Knowledge and Belief 3 cr
Prereq: None. Freq: Yearly.
Discussion of epistemological topics such as experience and perception, innate knowledge, skepticism and rational belief, and the nature of truth. May be repeated once for credit with different content.

204 Reason and Reality 3 cr
Prereq: None. Freq: Yearly.
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 content.

205 Philosophy of Religion 3 cr
Prereq: None. Freq: Fall, Spring, Summer.
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.

206 Introduction to Ethics 3 cr
Prereq: None. Freq: Fall, Spring.
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.

207 Classical Political Philosophy 3 cr
Prereq: One of the following: POLS 105, PHIL 101, HIST 118. Freq: Occasionally.
The works of the classical Greek political philosophers Thucydides, Plato, and Aristotle. Cross-listed with POLS 207.

213 Aesthetics 3 cr
Prereq: None. Freq: Fall.
Objectivity and criteria of art criticism, the nature of aesthetic experience, and nature of art. May be repeated for credit once under different topics by consent of department chair.

215 Contemporary Moral Problems 3 cr
Prereq: None. Freq: Yearly.
Discussion of contemporary moral problems and related theoretical issues, with a focus on issues such as sexual morality, punishment, abortion, racism, sexism, warfare and civil disobedience.

220 Politics, Law, and Society 3 cr
Prereq: None. Freq: Fall.
Studies how law and politics interact with personal and social identity, including race, gender, and class. Cross-listed with POLS 221.

255 Topics in Continental Thought 3 cr
Prereq: None. Freq: Alternate Years.
An introduction to major thinkers and movements of contemporary Continental philosophy, including Existentialism, Phenomenology, Structuralism, Deconstruction, Neo-Marxist Critical Theory, Semiotics, Philosophical Hermeneutics, French Feminism, Post-Structuralism, and Post-Modernism.
260 History of Philosophy: Ancient 3 cr
Prereq: None. Freq: Alternate Years.
An examination of the philosophy of the Pre-Socratics, Socrates, Plato, Aristotle, the Stoics, the Epicureans, the Skeptics, the Cynics, and the Neo-Platonists. Not open to students with credit in PHIL 360.

261 History of Philosophy: Early Modern 3 cr
Prereq: None. Freq: Alternate Years.
An examination of the philosophy of Descartes, Spinoza, Leibniz, Locke, Berkeley, Hume, Kant, and their contemporaries. Not open to students with credit in PHIL 361.

275 Techniques of Philosophical Research 3 cr
Prereq: One PHIL course and concurrently enrolled in a second PHIL course; or POLS 116 or 209 or 310 or 320. PHIL 201 recommended. Freq: Spring (even years).
Examines scholarly research as well as techniques for the development and assessment of philosophical arguments and positions.

290 Special Topics in Philosophy 1-4 cr
Prereq: None. Freq: Yearly.
Selected topics in philosophy will be examined.

302 Topics in The History of Philosophy 3 cr
Prereq: One PHIL course or consent of instructor. Freq: Alternate Years.
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 be repeated for credit.

304 Theories of International Relations 3 cr
Contemporary theories of international relations with selected applications to current questions of relationships in international politics. Emphasis on critical theories in the evaluation and comparison of various theoretical approaches. Cross-listed with POLS 304.

305 Philosophical Analysis 3 cr
Prereq: PHIL 201 or 203 or consent of instructor. Freq: Alternate Years.
Topics in epistemology, philosophical logic, philosophy of language, and/or philosophic method. May be repeated once for credit.

306 Modern Political Philosophy 3 cr
Prereq: One of the following: POLS 105, PHIL 101, HIST 119, 120. Freq: Occasionally.
The works of modern political thinkers such as Machiavelli, Hobbes, Locke, Rousseau, Mill, Hegel, Marx and Nietzsche. Cross-listed with POLS 306.

307 Contemporary Political Thought 3 cr
Prereq: One POLS or PHIL course. Freq: Occasionally.
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.

310 Philosophy of Science 3 cr
Prereq: GSCI 102 or PHIL 201 or consent of instructor. Freq: Alternate Years.
An examination of such topics as the nature of scientific methods and theories; explanation, prediction, confirmation, reduction, the relations among the sciences, culture and values, and science versus pseudoscience. May be repeated once for credit with different topic.

315 Metaphysics 3 cr
Prereq: PHIL 204 or 205 or consent of instructor. Freq: Yearly.
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.

320 Value Theory 3 cr
Prereq: PHIL 206 or consent of instructor. Freq: Alternate Years.
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.
328 Ethics in the Criminal Justice System 3 cr  
Prereq: One course in PHIL, CRMJ 101, or consent of instructor. Freq: Alternate Years.  
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.

331 Philosophy of Popular Culture 3 cr  
Prereq: Sophomore standing. Freq: Fall, Spring.  
Examines topics in popular culture such as the philosophy of film, the philosophy of sex and love, and the philosophy of zombies and vampires.

340 Bioethics 3 cr  
Prereq: Sophomore standing or above. Freq: Occasionally.  
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.

341 Business Ethics 3 cr  
Prereq: Sophomore standing. Freq: Spring.  
Examines business from the perspective of ethics and morals. Ethical reasoning guides discussion on topics such as: environmentalism, financial incentives, affirmative action, globalization, conflicts of interest, and whistle-blowing.

355 Topics in Continental Thought 3 cr  
Prereq: One PHIL course or consent of instructor. Freq: Alternate Years.  
An introduction to major thinkers and movements of contemporary continental philosophy, including existentialism, phenomenology, structuralism, deconstruction, neo-Marxist critical theory, semiotics, philosophical hermeneutics, French feminism, post-structuralism and post-modernism. A research paper will be required.

360 History of Philosophy: Ancient 3 cr  
Prereq: One PHIL course or consent of instructor. Freq: Alternate Years.  
An examination of the philosophy of the pre-Socratics, Socrates, Plato, Aristotle, the Stoics and Epicureans, Skeptics and Cynics, and the NeoPlatonists. Term paper required. Not open to students with credit in PHIL 260.

361 History of Philosophy: Early Modern 3 cr  
Prereq: One PHIL course or consent of instructor. Freq: Alternate Years.  
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.

490 Special Topics in Philosophy 1-4 cr  
Prereq: 6 credits in PHIL or consent of instructor. Freq: Occasionally.  
Selected topics in philosophy will be examined.

494 Internship in Philosophy 1-12 cr  
Prereq: One philosophy course, junior standing, and consent of instructor and department chair. Freq: Fall, Spring, Summer.  
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.

499 Independent Study 1-5 cr  
Prereq: Consent of instructor and department chair. Freq: Occasionally.  
Topics individually arranged.
Program Evaluation

Program Overview
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 the Program Evaluation Certificate (17 credits)

A. Required Core Courses (13 credits)
   
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOCA 295*</td>
<td>Social Science Research Methods</td>
<td>2 cr</td>
</tr>
<tr>
<td>SOCA 250*</td>
<td>Statistics for the Social Sciences</td>
<td>4 cr</td>
</tr>
<tr>
<td>SOCA 303*</td>
<td>Program Evaluation</td>
<td>3 cr</td>
</tr>
<tr>
<td>SOCA 406</td>
<td>Advanced Program Evaluation</td>
<td>3 cr</td>
</tr>
<tr>
<td>SOCA 498</td>
<td>Portfolio</td>
<td>1 cr</td>
</tr>
</tbody>
</table>

B. Elective Courses (4 credits)
Choose courses from list to reach a minimum of 4 credits:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOCA 107</td>
<td>Diversity Circles</td>
<td>1 cr</td>
</tr>
<tr>
<td>SOCA 300</td>
<td>Data Collection and Analysis</td>
<td>1-3 cr</td>
</tr>
<tr>
<td>SOCA 304</td>
<td>Skill Development in Leadership</td>
<td>1 cr</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SOCA 306</td>
<td>Research in Community Needs</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

* Similar classes from other departments or universities can be submitted to director for approval.
PSYCHOLOGY

UW-PARKSIDE 2017-19 CATALOG
Molinaro 275 • 262-595-2316

College:
Natural and Health Sciences

Degree and Programs Offered:
Bachelor of Science
Major - Psychology
Minors – Psychology, Health Psychology
Certificates - Human Measurement and Research, Mental Health Skills, Neuroscience

Student Organizations/Clubs:
Psi Chi, Psychology Club.

Up-to-date information can be found on the Psychology Department website.

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 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 or human measurement should consider the Certificate in Human Measurement and Research. Students with interests in graduate school in psychological neuroscience should consider 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 410 Externship 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. Gurtman 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:

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.
4. Content Knowledge: Students can explain the major theories and research findings major areas of psychology.

Requirements for Admission to the Psychology Major
Students must have 15 credits overall and a passing grade in PSYC 101-Introduction to Psychological Science in order to be eligible for entrance into the major.

Requirements for the Psychology Major (39 credits)
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).

A. Core Courses (9 credits)
Required courses:
- PSYC 101 Introduction to Psychological Science 3 cr
- PSYC 250 Psychological Statistics 3 cr
- PSYC 300 Research Methods in Psychology 3 cr

B. Breadth Courses (9 credits)
Required courses:
- PSYC 205 Cognitive Psychology 3 cr
- PSYC 210 Introduction to Human Development 3 cr
- PSYC 220 Social Psychology 3 cr

C. Depth Courses (15 credits)
Choose 15 credits of psychology courses numbered 301 and above; NOT including PSYC 410 or 499.

D. Elective Courses (6 credits)
Choose 6 credits of any 200-level, 300-level, or 400-level PSYC course that is not required for the major. Only 3 credits of PSYC 499 can be applied as elective credit.

Requirements for the Psychology Minor (21 credits)
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.

A. Core Courses (9 credits)
Required courses:
- PSYC 101 Introduction to Psychological Science 3 cr
- PSYC 250 Psychological Statistics 3 cr
- PSYC 300 Research Methods in Psychology 3 cr

Minors may substitute an equivalent course in statistical or quantitative methods from their major for PSYC 250. 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.

B. Breadth Courses (6 credits)
Choose two courses:
- PSYC 205 Cognitive Psychology 3 cr
- PSYC 210 Introduction to Human Development 3 cr
- PSYC 220 Social Psychology 3 cr
C. Depth Courses (6 credits)
Choose six credits of psychology courses numbered 301 and above; NOT including PSYC 410 or 499.

Requirements for the Health Psychology Minor (24 credits)
The Psychology Department offers a new 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.

A. Core Courses (9 credits)
Required courses:
- PSYC 101 Introduction to Psychological Science 3 cr
- PSYC 250 Psychological Statistics 3 cr
- PSYC 300 Research Methods in Psychology 3 cr

Minors may substitute an equivalent course in statistical or quantitative methods from their major for PSYC 250. 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.

B. Breadth Courses (6 credits)
Required course:
- PSYC 210 Introduction to Human Development 3 cr

Choose one course:
- PSYC 205 Cognitive Psychology 3 cr
- PSYC 220 Social Psychology 3 cr

C. Depth Courses (9 credits)
Required courses:
- PSYC 325 Biological Psychology 3 cr
- PSYC 360 Abnormal Psychology 3 cr
- PSYC 363 Health Psychology 3 cr

Requirements for the Mental Health Skills Certificate (18 credits)
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.

A. Core Courses (9 credits)
Required courses:
- PSYC 330 Interviewing 3 cr
- PSYC 360 Abnormal Psychology 3 cr
- PSYC 431 Counseling Psychology 3 cr

B. Elective Psychology Course (3 credits)
Choose one course:
- PSYC 318 Psychological Assessment 3 cr
- PSYC 362 Theories of Psychotherapy 3 cr
- PSYC 363 Health Psychology 3 cr
- PSYC 410 Externship in Psychology 3 cr

C. Elective Courses Outside Psychology (6 credits)
Choose 6 credits from a list of courses outside the program that address issues in diversity special populations, and social problems.

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 advisers: Dr. Carlstrom or Dr. Gurtman.
Requirements for the Human Measurement and Research Certificate (12 credits)

The objective of the certificate in human measurement and research is to involve students in human measurement and research, including dissemination of findings. This training is of value to individuals working in careers that involve measurement and/or require empirical skills, including clinical, social, cognitive, aptitude or other forms of assessment (e.g., counseling), behavioral prediction (e.g., insurance actuary), opinion or other polling (e.g., human resource management, market research). It is also of great importance to students seeking graduate training as the skills acquired in this certificate are highly valued by most graduate programs.

The 12 credits in the required courses need to be passed with a minimum average GPA of 3.0.

A. Required courses (12 credits)
   - PSYC 318 Psychological Assessment  3 cr
   - PSYC 492 Psychology Research Seminar  3 cr
   - PSYC 499 Independent Study   6 cr

B. A dissemination project is also required.
   For further information about the program contact the program adviser Dr. Beyer.

Requirement for Admission to the Neuroscience Certificate

Before enrolling in the certificate, students must pass BIOS 101 with a B- or better.

Requirements for the Neuroscience Certificate (16-17 credits)

The certificate in neuroscience is a rigorous program designed to 1. provide students with a comprehensive background in how psychological processes are produced by the brain and 2. train students to critically evaluate neuroscience research reports in psychology and to generate and effectively communicate their own research plans. The certificate is an innovative program designed to prepare students for graduate programs in psychological neuroscience.

All courses that apply toward completion of the certificate must be passed with a minimum GPA of 3.0.

A. Required courses (13 credits)
   - BIOS 101 Bioscience    4 cr
   - PSYC 325 Biological Psychology   3 cr
   - PSYC 326 Cognitive Neuroscience   3 cr
   - BIOS 420 Neuroscience    3 cr

   Students will be required to submit a portfolio for review and approval. The portfolio will consist of a research proposal (to be completed in PSYC 326) and a critical evaluation of a neurological condition (to be completed in BIOS 420).

B. Electives (3-4 credits)
   Choose one course:
   - BIOS 300 Human Functional Anatomy  4 cr
   - PSYC 306 Sensation and Perception  3 cr

   For further information about the program contact one of the program advisers: Dr. Gregg (Psychology) or Dr. Lewis (Biology).

Courses in Psychology (PSYC)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>101</td>
<td>Introduction to Psychological Science</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

Prereq: ENGL 100 or concurrent enrollment. Freq: Fall, Spring.
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.
205 Cognitive Psychology 3 cr  
Prereq: PSYC 101. Freq: Fall.  
Covers theory and research of human cognitive processes including perception, attention, visual cognition, learning, memory, language, decision making, problem solving, intelligence, and social cognition.

210 Introduction to Human Development 3 cr  
Prereq: PSYC 101. Freq: Fall, Spring.  
Covers theories, concepts, and research pertaining to human development throughout the lifespan including biological, cognitive, emotional, and social development.

220 Social Psychology 3 cr  
Prereq: PSYC 101. Freq: Fall, Spring.  
Studies the individual in social contexts. Topics include person perception, attribution processes, the self, interpersonal attraction, attitude formation, aggression, prosocial behavior and social influence.

241 Psychology of Aging 3 cr  
Prereq: PSYC 101. Freq: Spring.  
Survey of research and theory on the human aging process including physical, cognitive, and social sciences.

250 Psychological Statistics 3 cr  
Prereq: PSYC 101, completion of computational skills requirement. Freq: Fall, Spring.  
Applies descriptive and inferential statistics to the research problems of psychology including computer analysis of data projects.

260 Psychology of Personality 3 cr  
Prereq: PSYC 101. Freq: Occasionally.  
Theories, models, and conceptions of personality, methods of studying personality, and research findings.

280 Psychology of Gender 3 cr  
Prereq: PSYC 101. Freq: Fall, Spring.  
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 available to students with credit in PSYC 380.

290 Special Topics in Psychology 1-4 cr  
Prereq: PSYC 101. Freq: Occasionally.  
Selected topics in psychology.

300 Research Methods in Psychology 3 cr  
Prereq: PSYC 250 or BIOS 210; completion of reading and writing. Freq: Fall, Spring.  
Analyzes scientific methods in psychology. Includes research design, data collection and interpretation, computer-based statistical analysis, and writing research reports.

301 Learning and Memory 3 cr  
Prereq: PSYC 205, 300. Freq: Spring.  
Coverage of theory and research of human learning and memory. Learning topics include classical and operant conditioning, observational learning, and classroom learning. Memory topics include implicit memory, semantic memory, and episodic memory.

304 Language Development 3 cr  
Prereq: PSYC 300 or ENGL 287. Freq: Occasionally.  
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.

306 Sensation and Perception 3 cr  
Prereq: PSYC 205, 300. Freq: Occasionally.  
Analysis of the sensory organs and perceptual mechanisms used in vision, hearing, touch, taste, and smell. Primary emphasis is on vision and audition.

307 Cross-Cultural Psychology 3 cr  
Prereq: PSYC 220 or 260. Freq: Spring.  
Research and theories on the ways in which culture influences human development, social interactions and perceptions; the self and psychological functioning are also discussed.

314 Cognitive Development of Children 3 cr  
Prereq: PSYC 210, 300. Freq: Occasionally.  
Advanced coverage of theories, concepts, and research pertaining to the development of children’s thinking. Topics include perceptual and conceptual development, language and cognition, and memory development.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites</th>
<th>Frequency</th>
</tr>
</thead>
<tbody>
<tr>
<td>318</td>
<td>Psychological Assessment</td>
<td>3 cr</td>
<td>PSYC 101, 250. Freq: Fall.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Assesses individual characteristics including issues related to measurement, test construction, test usage, reliability and validity, and specialized applications.</td>
<td></td>
</tr>
<tr>
<td>325</td>
<td>Biological Psychology</td>
<td>3 cr</td>
<td>PSYC 101 or BIOS 101. Freq: Fall.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>326</td>
<td>Cognitive Neuroscience</td>
<td>3 cr</td>
<td>PSYC 205, 300; or consent instructor. Freq: Spring</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Covers how cognitive processes are explained by the structure and function of the brain. Topics include neuroanatomy, research methods, and many of the major areas of study within the field, such as perceptual processing, object recognition, language, memory, emotion, and attention. Lab Fees required.</td>
<td></td>
</tr>
<tr>
<td>330</td>
<td>Interviewing</td>
<td>3 cr</td>
<td>PSYC 205 or 210 or 220 or 260. Freq: Spring</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Uses and forms of interviewing; problems of interview communication, reliability, and validity; interview strategies, techniques, and tactics; and behavioral processes and research on interviewing.</td>
<td></td>
</tr>
<tr>
<td>334</td>
<td>Infant Development</td>
<td>3 cr</td>
<td>PSYC 210, 300. Freq: Fall.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Covers advanced theories, concepts, and research pertaining to human development during the first two years of life including physical, motor, perceptual, cognitive, and social development, with focus on early mechanisms of change.</td>
<td></td>
</tr>
<tr>
<td>360</td>
<td>Abnormal Psychology</td>
<td>3 cr</td>
<td>PSYC 205 or 210 or 220 or 260. Freq: Spring</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Examines mental and behavioral disorders including theoretical models, diagnosis and classification, research findings, and treatment approaches.</td>
<td></td>
</tr>
<tr>
<td>362</td>
<td>Theories of Psychotherapy</td>
<td>3 cr</td>
<td>PSYC 205 or 210 or 220 or 260. Freq: Yearly</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Compares the major, systematic approaches to psychotherapy. Integrates case study analyses with theory. Includes research findings on the process and outcome of psychotherapy.</td>
<td></td>
</tr>
<tr>
<td>363</td>
<td>Health Psychology</td>
<td>3 cr</td>
<td>PSYC 220 or 260. Freq: Spring.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>An introduction to the major theoretical approaches, research findings, and principles of health psychology. Topics include stress and coping; and the role of lifestyle, personality, and social support in health and illness. Links between psychology and specific diseases will be considered.</td>
<td></td>
</tr>
<tr>
<td>380</td>
<td>Psychology of Gender</td>
<td>3 cr</td>
<td>PSYC 220 and either PSYC 300 or SOCA 295. Freq: Fall, Spring</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>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 available to students with credit in PSYC 280.</td>
<td></td>
</tr>
<tr>
<td>390</td>
<td>Special Topics in Psychology</td>
<td>1-4 cr</td>
<td>Varies by topic. Freq: Occasionally.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Examines selected topics in psychology.</td>
<td></td>
</tr>
<tr>
<td>410</td>
<td>Externship in Psychology</td>
<td>3 cr</td>
<td>18 credits in psychology, 3.00 GPA in psychology courses, and consent of instructor. Freq: Fall, Spring</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Supervised experiences in planned projects done in a community setting.</td>
<td></td>
</tr>
<tr>
<td>421</td>
<td>The Self</td>
<td>3 cr</td>
<td>PSYC 220, 300. Freq: Occasionally.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Explores the self from a social psychological perspective. Examines theories and research on the self and teaches verbal and written communication skills.</td>
<td></td>
</tr>
<tr>
<td>431</td>
<td>Counseling Psychology</td>
<td>3 cr</td>
<td>PSYC 330 or 362. Freq: Fall.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Fundamental techniques of counseling, including assessment of client problems, exploration of behavioral alternatives, applying psychological principles to effect change, and counseling relationship skills.</td>
<td></td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
<td>Credits</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-------------</td>
<td>--------------------------------------</td>
<td>---------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>441</td>
<td>Advanced Human Development Seminar</td>
<td>3 cr</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><em>Prereq:</em> PSYC 210 and PSYC 300. <em>Freq:</em> Occasionally.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Focused study of a specific developmental topic such as moral development, adult cognitive development, Piagetian theory, etc. Primary reliance on advanced methodological issues, research reports, and primary theoretical sources.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>490</td>
<td>Special Topics in Psychology</td>
<td>1-3 cr</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><em>Prereq:</em> Varies by topic. <em>Freq:</em> Occasionally.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Examines selected advanced topics in psychology.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>492</td>
<td>Psychology Research Seminar</td>
<td>3 cr</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><em>Prereq:</em> PSYC 300 and consent of instructor. <em>Freq:</em> Occasionally.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Advanced hands-on experience working collectively with faculty and other students on faculty and student research projects. Students will assist in designing, administering, analyzing and reporting original empirical research in Psychology. May be repeated for credit with a different topic.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>497</td>
<td>Thesis in Psychology</td>
<td>1-3 cr</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><em>Prereq:</em> Consent of instructor. <em>Freq:</em> Occasionally.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>499</td>
<td>Independent Study.</td>
<td>1-6 cr</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><em>Prereq:</em> PSYC 300, consent of instructor and department chair. <em>Freq:</em> Fall, Spring.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Participation in research activities under the direction of a faculty member.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
SOCIOMETRY
UW-PARKSIDE 2017-19 CATALOG
Greenquist 318 • 262-595-2177

College:
Social Sciences and Professional Studies.

Degree and Programs Offered:
Bachelor of Arts
Major – Sociology
Minors - Sociology, Sociology for Teachers
Certificate - Urban 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 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 studies from a micro perspective, as in study of small group behaviors like the dyad or triad. The curriculum includes an understanding of those 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
To offer a high quality sociology program which 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. Understand and apply sociological concepts, theories, and perspectives on culture and society
2. Demonstrate an understanding of cultures and societies in their own terms
3. Understand the impact of the social and physical environment on individual experience
4. Assess and critique different anthropological and sociological theoretical orientations
5. Understand 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. Understand and use technology for achieving goals and tasks

Civic Competencies
1. Promote the active exchange of ideas in a civil manner
2. Use sociological and anthropological knowledge to address important issues locally and globally
3. Gain competence in effective collaboration and teamwork
4. Identify and confront ethnocentrism

Requirements for the Sociology Major (38 credits)
In order to be accepted as a major in sociology, a student must have a minimum 2.25 GPA overall and must have completed ANTH 100 or SOCA 101. A major in sociology consists of a minimum of 38 credits. At least 15 credits of upper-level courses in the major must be completed at UW-Parkside. 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, materials to be examined, and so forth. 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:

A. Core Courses (20 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOCA 101</td>
<td>Introduction to Sociology</td>
<td>3 cr</td>
</tr>
<tr>
<td>SOCA 248</td>
<td>Research Report Writing for the Social Sciences</td>
<td>3 cr</td>
</tr>
<tr>
<td>SOCA 250</td>
<td>Statistics for the Social Sciences</td>
<td>4 cr</td>
</tr>
<tr>
<td>SOCA 295</td>
<td>Social Science Research Methods</td>
<td>2 cr</td>
</tr>
<tr>
<td>SOCA 300</td>
<td>Data Collection and Analysis</td>
<td>2 cr</td>
</tr>
<tr>
<td>SOCA 301</td>
<td>Introduction to Sociological Theory</td>
<td>3 cr</td>
</tr>
<tr>
<td>SOCA 495</td>
<td>Senior Seminar</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

B. Elective Courses (18 credits)
Complete at least 12 credits in upper-level (300-400 level) courses. Choose one of the elective completion options:
1. Complete one course from at least four of the specialization areas listed below. Then specialize in a particular area (9 credits in one area; 9 credits in three other areas).
2. Complete one course from at least four of the specialization areas listed below. Then choose one course each from two additional areas (12 credits with 6 credits in two areas; 6 credits with 3 credits in two other areas).

Criminology and Deviance

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOCA 102</td>
<td>Contemporary Social Problems</td>
<td>3 cr</td>
</tr>
<tr>
<td>SOCA 216</td>
<td>Social Issues in Substance Use and Abuse</td>
<td>3 cr</td>
</tr>
<tr>
<td>SOCA 233</td>
<td>Criminology</td>
<td>3 cr</td>
</tr>
<tr>
<td>SOCA 234</td>
<td>Juvenile Delinquency/Juvenile Justice</td>
<td>3 cr</td>
</tr>
<tr>
<td>SOCA 235</td>
<td>Police and Society</td>
<td>3 cr</td>
</tr>
<tr>
<td>SOCA 320</td>
<td>Sociological Social Psychology</td>
<td>3 cr</td>
</tr>
<tr>
<td>SOCA 331</td>
<td>Deviant Behavior</td>
<td>3 cr</td>
</tr>
<tr>
<td>SOCA 332</td>
<td>Sociology of Mental Illness</td>
<td>3 cr</td>
</tr>
<tr>
<td>SOCA 352</td>
<td>Law and Social Change</td>
<td>3 cr</td>
</tr>
<tr>
<td>SOCA 359</td>
<td>Law and Society</td>
<td>3 cr</td>
</tr>
<tr>
<td>SOCA 363</td>
<td>Corrections</td>
<td>3 cr</td>
</tr>
<tr>
<td>SOCA 365</td>
<td>Race, Crime, Law</td>
<td>3 cr</td>
</tr>
<tr>
<td>SOCA 368</td>
<td>Victimology</td>
<td>3 cr</td>
</tr>
</tbody>
</table>
Family and Human Services *
- SOCA 207 Marriage and Family 3 cr
- SOCA 213 Gender and Society 3 cr
- SOCA 216 Social Issues in Substance Use and Abuse 3 cr
- SOCA 319 Death and Dying 3 cr
- SOCA 320 Sociological Social Psychology 3 cr
- SOCA 326 Social Gerontology 3 cr
- SOCA 332 Sociology of Mental Illness 3 cr
- SOCA 336 Childhood and Society 3 cr
- SOCA 354 Class, Status, and Power 3 cr
- SOCA 367 LGBTQ Studies 3 cr
- SOCA 375 Sociology of Education 3 cr
- SOCA 376 Public Health 3 cr
- SOCA 380 Social Welfare as a Social Institution 3 cr

Race and Ethnic Relations
- SOCA 206 Race and Ethnic Relations in the U.S. 3 cr
- SOCA 226 Peoples of Africa 3 cr
- SOCA 227 North American Indians 3 cr
- SOCA 323 Institutional Racism in America 3 cr
- SOCA 324 African American Studies 3 cr
- SOCA 325 Comparative Race and Ethnic Relations 3 cr
- SOCA 328 Asians in American Society 3 cr
- SOCA 329 Social Institutions in Contemporary China 3 cr
- SOCA 343 Latinas/os in the United States 3 cr
- SOCA 354 Class, Status, and Power 3 cr
- SOCA 360 Critical Ethnic Studies 3 cr

Urban Institutions and the Occupational World
- SOCA 213 Gender and Society 3 cr
- SOCA 319 Death and Dying 3 cr
- SOCA 321 Religion and Society 3 cr
- SOCA 322 Sociology of Language and Knowledge 3 cr
- SOCA 323 Institutional Racism in America 3 cr
- SOCA 354 Class, Status, and Power 3 cr
- SOCA 355 Urbanism and Urbanization 3 cr
- SOCA 356 Political Sociology 3 cr
- SOCA 358 Introduction to Population Studies 3 cr
- SOCA 362 Migration and Immigration 3 cr
- SOCA 371 Occupations and Professions 3 cr
- SOCA 372 Technology and Society 3 cr
- SOCA 373 Formal Organization 3 cr
- SOCA 374 Women and Work 3 cr
- SOCA 375 Sociology of Education 3 cr
- SOCA 376 Public Health 3 cr
- SOCA 379 Society and Environment 3 cr
- SOCA 380 Social Welfare as a Social Institution 3 cr
- SOCA 455 International Development and Change 3 cr

Evaluation and Practice
- SOCA 304 Skill Development in Leadership 1 cr
- SOCA 306 Research in Community Needs 3 cr
- SOCA 406 Advanced Program Evaluation 3 cr
- SOCA 455 International Development and Change 3 cr
- SOCA 492 Internship in Sociology 1-4 cr
- SOCA 498 Portfolio 1 cr
*Students may fulfill a specialization in family and human services by completing one course under the heading of race and ethnic relations.

Requirements for the Sociology Minor (21 credits)
The minor in sociology consists of a minimum of 21 credits, distributed as follows:

A. Required Courses (6 credits)
   SOCA 101 Introduction to Sociology 3 cr
   Choose one three credit option:
   1. SOCA 295 Social Science Research Methods 2 cr
      SOCA 300 Data Collection and Analysis 1 cr
   OR
   2. SOCA 301 Introduction to Sociological Theory 3 cr

B. Elective Courses (15 credits)
   Choose 15 credits (with at least 9 credits at the 300 or 400 level)
   SOCA 102 Contemporary Social Problems 3 cr
   SOCA 206 Race and Ethnic Relations in the U.S. 3 cr
   SOCA 207 Marriage and Family 3 cr
   SOCA 213 Gender and Society 3 cr
   SOCA 216 Social Issues in Substance Use and Abuse 3 cr
   SOCA 233 Criminology 3 cr
   SOCA 234 Juvenile Delinquency/Juvenile Justice 3 cr
   SOCA 235 Police and Society 3 cr
   SOCA 250 Statistics for the Social Sciences 3 cr
   SOCA 290 Special Topics in Sociology 3 cr
   SOCA 304 Skill Development in Leadership 1 cr
   SOCA 306 Research in Community Needs 3 cr
   SOCA 319 Death and Dying 3 cr
   SOCA 320 Sociological Social Psychology 3 cr
   SOCA 321 Religion and Society 3 cr
   SOCA 322 Sociology of Language and Knowledge 3 cr
   SOCA 323 Institutional Racism in America 3 cr
   SOCA 324 African American Studies 3 cr
   SOCA 325 Comparative Race and Ethnic Relations 3 cr
   SOCA 326 Social Gerontology 3 cr
   SOCA 328 Asians in American Society 3 cr
   SOCA 329 Social Institutions in Contemporary China 3 cr
   SOCA 331 Deviant Behavior 3 cr
   SOCA 332 Sociology of Mental Illness 3 cr
   SOCA 336 Childhood and Society 3 cr
   SOCA 343 Latinos/os in the United States 3 cr
   SOCA 352 Law and Social Change 3 cr
   SOCA 354 Class, Status, and Power 3 cr
   SOCA 355 Urbanism and Urbanization 3 cr
   SOCA 356 Political Sociology 3 cr
   SOCA 358 Introduction to Population Studies 3 cr
   SOCA 359 Law and Society 3 cr
   SOCA 360 Critical Ethnic Studies 3 cr
   SOCA 362 Migration and Immigration 3 cr
   SOCA 363 Corrections 3 cr
   SOCA 365 Race, Crime, Law 3 cr
   SOCA 367 LGBTQ Studies 3 cr
   SOCA 368 Victimology 3 cr
SOCA 371  Occupations and Professions  3 cr
SOCA 372  Technology and Society  3 cr
SOCA 373  Formal Organization  3 cr
SOCA 374  Women and Work  3 cr
SOCA 375  Sociology of Education  3 cr
SOCA 376  Public Health  3 cr
SOCA 379  Society and Environment  3 cr
SOCA 380  Social Welfare as a Social Institution  3 cr
SOCA 390  Special Topics in Sociology  1-3 cr
SOCA 406  Advanced Program Evaluation  3 cr
SOCA 490  Special Topics in Sociology  1-3 cr
SOCA 492  Internship in Sociology  1-4 cr

Requirements for the Sociology for Teachers Minor
(18 Credits)

A. Required Courses (6 credits)
   SOCA 101  Introduction to Sociology  3 cr
   SOCA 301  Introduction to Sociological Theory  3 cr

B. Elective Courses (12 credits)
   1. Choose one (3 credits)
      SOCA 354  Class, Status, and Power  3 cr
      SOCA 355  Urbanism and Urbanization  3 cr
      SOCA 362  Migration and Immigration  3 cr
   2. Choose one (3 credits)
      SOCA 336  Childhood and Society  3 cr
      SOCA 373  Formal Organization  3 cr
      SOCA 375  Sociology of Education  3 cr
   3. Choose one (3 credits)
      SOCA 325  Comparative Race and Ethnic Relations  3 cr
      SOCA 343  Latinas/os in the United States  3 cr
      SOCA 367  LGBTQ Studies  3 cr
   4. Choose one (3 credits)
      Choose 3 credits from the remaining courses listed in 1.-3. above.

Requirements for the Urban Studies Certificate (15 credits)
To earn the urban studies certificate, student must complete the five certificate courses with a GPA of 2.5 or better.

A. Required Courses (6 credits)
   GEOG 360  Urban Geography  3 cr
   SOCA 355  Urbanism and Urbanization  3 cr
   Note: Both have prerequisites at the 100 level

B. Elective Courses (6 credits)
   Choose two from different departments:
   GEOG 330  Population Geography  3 cr
   OR
   SOCA 358  Introduction to Population Studies  3 cr
   ECON 304  Economics of Urban Problems  3 cr
   GEOG 340  Political Geography  3 cr
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 375</td>
<td>Geography of Transportation</td>
<td>3 cr</td>
</tr>
<tr>
<td>HIST 325</td>
<td>Mayhem and the Metropolis</td>
<td>3 cr</td>
</tr>
<tr>
<td>HIST 341</td>
<td>The Urbanization of the United States</td>
<td>3 cr</td>
</tr>
<tr>
<td>SOCA 323</td>
<td>Institutional Racism in America</td>
<td>3 cr</td>
</tr>
<tr>
<td>SOCA 362</td>
<td>Migration and Immigration</td>
<td>3 cr</td>
</tr>
<tr>
<td>SOCA 373</td>
<td>Formal Organization</td>
<td>3 cr</td>
</tr>
<tr>
<td>SOCA 379</td>
<td>Society and Environment</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

Note: Prerequisites apply in specific department

C. Practicum Course (3 Credits)

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 include:

- ANTH 4941 Anthropology Fieldwork 3 cr
- GEOG 494 Internship in Geography 3 cr
- HIST 336 Poverty in American History 3 cr
- SOCA 406 Advanced Program Evaluation 3 cr
- SOCA 492 Internship in Sociology 3 cr
- ECON 499 Independent Study 3 cr
- GEOG 499 Independent Study 3 cr
- HIST 499 Independent Study 3 cr
- SOCA 499 Independent Study 3 cr

Other practicum courses besides those listed above might fulfill this requirement. Courses that include an experiential project concerning urban issues will be considered. Approval is needed.

Any student who can provide evidence of work experience in public, private, and non-profit organizations committed to the larger urban community might have this requirement waived (with approval). If a waiver is granted then a third elective course is required.

Teacher Education Licensure in Sociology

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 the Sociology Department and the Institute of Professional Educator Development (IPED).

The requirements for teacher licensure are specific and therefore students must meet with the IPED Adviser to coordinate the major and teacher education curriculum. It is very important to contact the IPED adviser at 262-595-2180 or Molinaro D111 as soon as possible. Students are required to seek advising each semester from both the IPED Adviser and the Sociology 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

Courses in Sociology (SOCA)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>101</td>
<td>Introduction to Sociology</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td><strong>Prereq:</strong> None. <strong>Freq:</strong> Fall, Spring.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Examines social relations, social organization and social systems through the study of process, structure, and function.</td>
<td></td>
</tr>
<tr>
<td>102</td>
<td>Contemporary Social Problems</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td><strong>Prereq:</strong> None. <strong>Freq:</strong> Fall, Spring.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Sociological examination of selected major problems facing modern society. Analysis of important issues of public and academic concern; e.g., overpopulation, poverty, women’s issues, alienation.</td>
<td></td>
</tr>
<tr>
<td>107</td>
<td>Diversity Circles</td>
<td>1 cr</td>
</tr>
<tr>
<td></td>
<td><strong>Prereq:</strong> None. <strong>Freq:</strong> Fall, Spring.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>190</td>
<td>Special Topics</td>
<td>1 cr</td>
</tr>
<tr>
<td></td>
<td><strong>Prereq:</strong> None. <strong>Freq:</strong> Fall, Spring, Summer.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Examines selected topics in sociology and/or anthropology.</td>
<td></td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
<td>Credits</td>
</tr>
<tr>
<td>-------------</td>
<td>------------------------------------------------------------------</td>
<td>---------</td>
</tr>
<tr>
<td>206</td>
<td>Race and Ethnic Relations in the U.S.</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td>Prereq: ANTH 100 or SOCA 101. Freq: Fall, Spring, Summer.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Introduces the formation and dynamics of ethnic and race relations in the United States and their social repercussions in terms of marginalizing people and the distribution of their life chances. Cross-listed with ETHN 206.</td>
<td></td>
</tr>
<tr>
<td>207</td>
<td>Marriage and Family</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td>Prereq: ANTH 100 or SOCA 101. Freq: Fall, Spring, Summer.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>213</td>
<td>Gender and Society</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td>Prereq: None. Freq: Fall, Spring.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Overview of theory and research on gender roles and gender stratification, focusing on political, economic, family and other settings; historical, cross cultural and subcultural comparisons. Cross-listed with WGSS 213.</td>
<td></td>
</tr>
<tr>
<td>216</td>
<td>Social Issues in Substance Use and Abuse</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td>Prereq: 3 credits in sociology. Freq: Every third semester.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>An overview of theory and research on substance abuse including legal (alcohol, tobacco) and controlled substances. The focus is on differences in patterns of chemical use within historical, cultural and class contexts.</td>
<td></td>
</tr>
<tr>
<td>226</td>
<td>Peoples of Africa</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td>Prereq: ANTH 100 or SOCA 101. Freq: Fall.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Surveys the societies and cultures of Africa. Discusses history, cultural variation, and contemporary social change. Cross-listed with INTS 226.</td>
<td></td>
</tr>
<tr>
<td>227</td>
<td>North American Indians</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td>Prereq: ANTH 100 or SOCA 101. Freq: Fall (even years).</td>
<td></td>
</tr>
<tr>
<td></td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>233</td>
<td>Criminology</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td>Prereq: SOCA 101 or CRMJ 101. Freq: Fall, Spring.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Examines past and current theory and research including crime as a consequence of social, economic, political, and personal factors; and critique of approaches to prevention and correction. Cross-listed with CRMJ 233.</td>
<td></td>
</tr>
<tr>
<td>234</td>
<td>Juvenile Delinquency/Juvenile Justice</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td>Prereq: SOCA 101 or CRMJ 101. Freq: Fall, Spring.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>235</td>
<td>Police and Society</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td>Prereq: SOCA 101 or CRMJ 101. Freq: Fall, Spring.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>248</td>
<td>Research Report Writing for the Social Sciences</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td>Prereq: SOCA 101; ENGL 101 with a grade of C+ or better. Freq: Fall, Spring.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>250</td>
<td>Statistics for the Social Sciences</td>
<td>4 cr</td>
</tr>
<tr>
<td></td>
<td>Prereq: Computational skills requirement (MATH 102 or 103 or 111). Freq: Fall, Spring.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>290</td>
<td>Special Topics in Sociology</td>
<td>1-3 cr</td>
</tr>
<tr>
<td></td>
<td>Examines selected topics in sociology.</td>
<td></td>
</tr>
<tr>
<td>295</td>
<td>Social Science Research Methods</td>
<td>2 cr</td>
</tr>
<tr>
<td></td>
<td>Prereq: ANTH 100 or SOCA 101; sophomore standing. Freq: Fall, Spring.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Introduces philosophies, methods and problems of social research; sampling and data collection techniques; questionnaire construction, interviewing techniques, field methods, and content analysis.</td>
<td></td>
</tr>
</tbody>
</table>
300 Data Collection and Analysis 1-3 cr
Prereq: SOCA 295 or concurrent registration. Freq: Fall, Spring, Summer.
Develops skills in specific methods of data collection and analysis in sociology. Topics will vary. May be repeated with a different topic.

301 Introduction to Sociological Theory 3 cr
Prereq: ANTH 100 or SOCA 101; junior standing. Freq: Fall, Spring.
Introduces major sociological concepts and theories, and their application in the analysis of social structures and processes.

303 Program Evaluation 3 cr
Prereq: SOCA 295 or concurrent registration. Freq: Fall, Spring.
Applies theory and methods of program evaluation including measuring and evaluating program outcomes; analyzing community needs, and assessing program impacts.

304 Skill Development in Leadership 1 cr
Prereq: ANTH 100 or SOCA 101; junior standing. Freq: Occasionally.
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.

305 Family Violence 1 cr
Prereq: CRMJ 101 or SOCA 101. Freq: Fall, Spring, Summer.
Examines the criminal justice response to family violence, which includes child abuse, spousal abuse, elder abuse, and date rape. Explores the prevalence and extent of family violence as well as strategies for treatment and prevention. Cross-listed with CRMJ 305.

306 Research in Community Needs 3 cr
Prereq: ANTH 100 or SOCA 101; junior standing. Freq: Occasionally.
Explores assessment of the needs of a community or environment using the methods of evaluation research.

307 Survey Methods 3 cr
Prereq: SOCA 295. Freq: Fall, Spring.
Explores survey research including data collection and data analysis.

319 Death and Dying 3 cr
Prereq: ANTH 100 or SOCA 101. Freq: Spring.
Investigates patterns of behavior and beliefs about death, dying, and bereavement. Examines medical, legal, and ethical issues.

320 Sociological Social Psychology 3 cr
Prereq: SOCA 101; 3 additional credits in sociology. Freq: Fall (even years).
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.

321 Religion and Society 3 cr
Prereq: ANTH 100 or SOCA 101. Freq: Occasionally.
Provides comparative study of religion and society with an emphasis on the major religious traditions. Examines the relationship between religions, beliefs and social values.

322 Sociology of Language and Knowledge 3 cr
Introduces concepts, theoretical frameworks and concerns of sociolinguists, emphasizing ethnomethodology, language planning, and cultural politics affecting linguistic minorities.

323 Institutional Racism in America 3 cr
Prereq: ANTH 100 or SOCA 101. Freq: Fall, Spring.
Examines racism within various institutions such as public government bodies, private businesses, and universities. Outlines political, social, ecological and economic effects of racism.

324 African American Studies. 3 cr
Prereq: ANTH 100 or SOCA 101. Freq: Occasionally.
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.

325 Comparative Race and Ethnic Relations 3 cr
Prereq: ANTH 100 or SOCA 101. Freq: Occasionally.
Compares the structural forces that influence racialization and ethnicization processes: colonization, inclusion, exclusion, refugeism, displacement and forced migration.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites</th>
<th>Frequency</th>
</tr>
</thead>
<tbody>
<tr>
<td>326</td>
<td>Social Gerontology</td>
<td>3 cr</td>
<td>SOCA 101; junior standing. Freq: Fall.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Examine the quality of life issues among elderly; focuses on medical, social, educational, recreational and economic institutions.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>328</td>
<td>Asians in American Society</td>
<td>3 cr</td>
<td>ANTH 100 or INTS 103 or SOCA 101. Freq: Fall.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Examine 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.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>329</td>
<td>Social Institutions in Contemporary China</td>
<td>3 cr</td>
<td>ANTH 100 or INTS 103 or SOCA 101. Freq: Fall (odd years).</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Introduce the social institutions and changes in contemporary China. Covers population, family, education, economy, and politics.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>331</td>
<td>Deviant Behavior</td>
<td>3 cr</td>
<td>SOCA 101; junior standing. Freq: Fall (odd years).</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Elucidate theoretical perspectives on deviant behavior which traces the development of how deviance is defined, explained and controlled.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>332</td>
<td>Sociology of Mental Illness</td>
<td>3 cr</td>
<td>SOCA 101. Freq: Occasionally.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Examine mental illness as a social role/social label in terms of institutional and sociocultural factors.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>336</td>
<td>Childhood and Society</td>
<td>3 cr</td>
<td>SOCA 101. Freq: Occasionally.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Examine childhood as a socially constructed idea with a profound effect on our lives and our communities; changing images, definitions, agreements, and rules about childhood; the social structures incorporating childhood; the relationship of childhood to power distributions and economic inequalities.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>343</td>
<td>Latinas/os in the United States</td>
<td>3 cr</td>
<td>ANTH 100 or ETHN 201 or SOCA 101. Freq: Fall.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Focus 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 ETHN 343.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>352</td>
<td>Law and Social Change</td>
<td>3 cr</td>
<td>CRMJ 101 or SOCA 101. Freq: Yearly.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Provides a broad theoretical background against which to explore policies in the system of law, in definition and enforcement of the law, and to follow those policies as they have been and are presently affected by social change. Cross-listed with CRMJ 352.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>354</td>
<td>Class, Status, and Power</td>
<td>3 cr</td>
<td>ANTH 100 or SOCA 101. Freq: Spring.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Examine patterns of inequalities and their relationship to social conflict, social organization, belief systems, race/ethnic identities, gender roles, and global systems of wealth and power.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>355</td>
<td>Urbanism and Urbanization</td>
<td>3 cr</td>
<td>ANTH 100 or SOCA 101. Freq: Occasionally.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Examine the effects of major historical, economic, political, and architectural trends on class compositions of cities.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>356</td>
<td>Political Sociology</td>
<td>3 cr</td>
<td>SOCA 101. Freq: Occasionally.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Examine 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.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>358</td>
<td>Introduction to Population Studies</td>
<td>3 cr</td>
<td>SOCA 101; junior standing. Freq: Occasionally.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Elucidate population size, composition and processes of migration, including social and economic determinants of demographic changes and their effects upon social organization.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>359</td>
<td>Law and Society</td>
<td>3 cr</td>
<td>CRMJ 101 or SOCA 101. Freq: Occasionally.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Explore 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.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>360</td>
<td>Critical Ethnic Studies</td>
<td>3 cr</td>
<td>ANTH 100 or SOCA 101. Freq: Occasionally.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Examine social conditions under which ethnic groups are labeled as “races” in the United States and selected other societies, focusing on perceptions of whiteness and hybridity and their social consequences. Cross-listed with ETHN 360.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
362 Migration and Immigration 3 cr
Prereq: ANTH 100 or SOCA 101. Freq: Spring (even years).
Examines migration and immigration as major processes of change in the United States and internationally, focusing on communities, social networks, and work activities of migrants. Cross-listed with ANTH 362.

363 Corrections 3 cr
Prereq: CRMJ 101 or SOCA 101. Freq: Fall, Spring.
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.

365 Race, Crime, Law 3 cr
Prereq: CRMJ 101 or SOCA 101; junior standing. Freq: Fall, Spring.
Explores the intersections of race, crime and law in terms of the historical context, the present day situation and future directions. Focuses on the multiple perspectives from offender to victim to criminal justice practitioner. Cross-listed with CRMJ 365.

367 LGBTQ Studies 3 cr
Prereq: ANTH 100 or SOCA 101 or WGSS 110. Freq: Occasionally.
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.

368 Victimology 3 cr
Prereq: CRMJ 101 or SOCA 101. Freq: Occasionally.
Examines the causes and consequences of crime victimization, including the history and recent re-emergence of the study of the victim, and the types and circumstances of criminal victimization.Addresses victims’ rights and the victims’ rights movement. Cross-listed with CRMJ 368.

371 Occupations and Professions 3 cr
Analyzes selected occupations and professions in modern life; explores recruitment, socialization, work roles and careers, occupational ideologies and practices.

372 Technology and Society 3 cr
Prereq: ANTH 100 or SOCA 101. Freq: Occasionally.
Examines technology and technological change from the perspective of interactions between technology and social organization. Discusses the causes and effects of technological change through critical, structural, contextual, and interactionist approaches.

373 Formal Organization 3 cr
Prereq: SOCA 101; junior standing. Freq: Fall.
Examines fundamental issues concerning social organization, includes theories and research methods for analyzing organizations; individuals and groups in organizations; organizational structure; communication, leadership, and decision-making; and organizational change and effectiveness.

374 Women and Work 3 cr
Prereq: ANTH 100 or SOCA 101. Freq: Occasionally.
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.

375 Sociology of Education 3 cr
Prereq: ANTH 100 or SOCA 101. Freq: Occasionally.
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.

376 Public Health 3 cr
Prereq: ANTH 100 or SOCA 101. Freq: Spring.
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.

379 Society and Environment 3 cr
Prereq: ANTH 100 or SOCA 101. Freq: Occasionally.
Examines environmental philosophies, movements, attitudes, and issues from a sociological perspective. Considers a diverse, multicultural array of approaches.

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.
382  Environmental Anthropology  3 cr  
**Prereq:** ANTH 100 or GEOG 105. **Freq:** Fall (odd years).  
Examines anthropological survey of 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.

390  Special Topics in Sociology  1-3 cr  
**Prereq:** SOCA 101. **Freq:** Occasionally.  
Examines selected topics in sociology.

406  Advanced Program Evaluation  3 cr  
**Prereq:** ANTH 300 or a minimum of 2 credits in SOCA 300. **Freq:** Spring.  
Examines the role of research in program planning and implementation. Includes application in a community-based learning project.

455  International Development and Change  3 cr  
**Prereq:** 6 credits in upper-level ANTH or SOCA courses. **Freq:** Occasionally.  
Analyzes comparative social change and international development, focusing on theories, the role of development agencies, and case studies of development projects. Cross-listed with ANTH 455.

490  Special Topics in Sociology  3 cr  
**Prereq:** SOCA 101; junior standing. **Freq:** Occasionally.  
Examines selected topics in sociology.

492  Internship in Sociology  1-4 cr  
**Prereq:** SOCA 101; junior standing. **Freq:** Fall, Spring, Summer.  
Provides opportunity for community work experience with emphasis on job preparation skills, i.e., resume writing, networking, interviewing.

495  Senior Seminar  3 cr  
**Prereq:** SOCA 295; ANTH 302 or SOCA 301; senior standing. **Freq:** Fall, Spring.  
Provides capstone experience for majors including reflection on the competencies gained from the major, how they relate to experiences after graduation, and work on a major project that allows application of the skills and competencies learned. May be repeated for credit with different topic.

498  Portfolio  1 cr  
**Prereq:** Senior standing or consent instructor. **Freq:** Fall, Spring.  
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.

499  Independent Study  1-4 cr  
**Prereq:** Sociology major, junior standing; consent of instructor and department chair. **Freq:** Fall, Spring, Summer.  
Provides opportunity for independent work on specific problems in sociology, under faculty supervision.
SUSTAINABLE MANAGEMENT
UW-PARKSIDE 2017-19 CATALOG

College:
Natural and Health Sciences

Degree and Programs Offered:
Bachelor of Science

Major - Sustainable Management

Certificates - Sustainable Management Science, Sustainable Enterprise Management

Student Organizations/Clubs:
BIOS Club, Geosciences Club, Parkside Geography Club, Parkside 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
This program is a collaborative, online bachelor of science degree completion program in sustainable management offered jointly by UW-Parkside, UW-River Falls, UW-Stout, UW-Superior and UW-Extension. This program consists of 21 courses that constitute the degree completion curriculum (final 63 credits) of the sustainable management degree. Because the first two years of the program curriculum consist primarily of general education requirements and prerequisites, students can begin the program through the UW Colleges, the Wisconsin Technical Colleges, or any of the UW System campuses. Students wishing to complete the entire curriculum online may do so by starting through UW Colleges online and then finishing this online program through any one of the four institutions in the collaboration. Transfer students are welcome in the sustainable management program.

Requirements for the Sustainable Management Major (63 credits)
Students are admitted into the program after completing the UW-Parkside general education requirements and have earned 60 credits of college work. Students majoring in sustainable management are not required to complete the foreign language requirement. Students are also required to have completed the following five prerequisite courses: college algebra, introductory biology, general chemistry, introductory speech or communication, and introductory statistics. Often students complete the five prerequisite courses within their first 60 credits of college work.

Students are required to complete each of the 21 courses listed below to complete this major. Students need to consult with the bachelor of science in sustainable management (SMGT) academic director/program adviser.

Required Courses (63 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SMGT 115</td>
<td>Environmental Science and Sustainability</td>
<td>3 cr</td>
</tr>
<tr>
<td>SMGT 220</td>
<td>Systems Thinking</td>
<td>3 cr</td>
</tr>
<tr>
<td>SMGT 230</td>
<td>Triple Bottom Line Accounting for Managers</td>
<td>3 cr</td>
</tr>
<tr>
<td>SMGT 235</td>
<td>Economics in Society and Sustainability</td>
<td>3 cr</td>
</tr>
<tr>
<td>SMGT 240</td>
<td>Technical Writing for Sustainable Management</td>
<td>3 cr</td>
</tr>
<tr>
<td>SMGT 310</td>
<td>Ecology for Sustainable Management</td>
<td>3 cr</td>
</tr>
<tr>
<td>SMGT 315</td>
<td>Global Environmental Chemistry</td>
<td>3 cr</td>
</tr>
</tbody>
</table>
SMGT 320 Energy for Sustainable Management 3 cr
SMGT 325 Natural Resource Management 3 cr
SMGT 330 Marketing for a Sustainable World 3 cr
SMGT 331 Sustainable Organizational Finance 3 cr
SMGT 332 Economics of Environmental Sustainability 3 cr
SMGT 335 Management and Environmental Information Systems 3 cr
SMGT 340 Organizational Behavior and Sustainability 3 cr
SMGT 350 Operations Management and Sustainability 3 cr
SMGT 360 Environmental and Sustainability Policy 3 cr
SMGT 370 Logistics, Supply Chain Management, and Sustainability 3 cr
SMGT 430 International Management for a Sustainable World 3 cr
SMGT 435 International Development and Sustainability 3 cr
SMGT 460 Environment and Society 3 cr
SMGT 495 Sustainable Management Capstone 3 cr

Requirements for the Sustainable Management Science Certificate (12 credits)
The sustainable management program offers an online certificate in sustainable management science that is available to undergraduate students as well as to non-degree-seeking students. Students applying to the certificate program will have to meet the course prerequisites for the courses listed in the certificate program. Admission to the certificate program does not comprise admission to the bachelor of science in sustainable management (SMGT) degree program. To be admitted to the SMGT degree program, students will have to follow the admissions processes of degree-seeking students and meet the requirements for the SMGT degree program. 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.

Required Courses (12 credits)
SMGT 310 Ecology for Sustainable Management 3 cr
SMGT 315 Global Environmental Chemistry 3 cr
SMGT 320 Energy for Sustainable Management 3 cr
SMGT 325 Natural Resource Management 3 cr

Requirements for the Sustainable Enterprise Management Certificate (15 credits)
The sustainable management program offers an online certificate in sustainable enterprise management that is available to undergraduate students as well as to non-degree seeking students. Students applying to the certificate program will have to meet the course prerequisites for the courses listed in the certificate program. Admission to the certificate program does not comprise admission to the bachelor of science in sustainable management (SMGT) degree program. 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.

A. Required Courses (12 credits)
SMGT 230 Triple Bottom Line Accounting for Managers 3 cr
SMGT 235 Economics in Society and Sustainability 3 cr
SMGT 331 Sustainable Organizational Finance 3 cr
SMGT 430 International Management for a Sustainable World 3 cr

B. Elective Course (3 credits)
Choose one:
SMGT 335 Management & Environmental Information Systems 3 cr
SMGT 350 Operations Management and Sustainability 3 cr

Courses in Sustainable Management (SMGT)

115 Environmental Science and Sustainability 3 cr
Prereq: Admitted SMGT majors only or program adviser consent on space available basis. Freq: Fall, Spring.
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 influence 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.

220 Systems Thinking 3 cr
Prereq: Admitted SMGT majors only or program advisor consent on space available basis. Freq: Yearly.
Students will use systems thinking to apply the concept of sustainability in various business, social, and scientific contexts. Rather than looking at problems 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.

230 Triple Bottom Line Accounting for Managers 3 cr
Prereq: College Algebra, admitted SMGT majors only or program adviser consent on space available basis. Freq: Yearly.
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).

235 Economics in Society and Sustainability 3 cr
Prereq: College Algebra, admitted SMGT majors only or program adviser consent on space available basis. Freq: Fall.
General introductory course highlighting economic, 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 economics thought, within the context of systems thinking and ecological economics, are integrated throughout the course.

240 Technical Writing for Sustainable Management 3 cr
Prereq: College Algebra, admitted SMGT majors only or program adviser consent on space available basis. Freq: Yearly.
The psychology and mechanics of written communications are thoroughly explored and widely applied. Also included are non-written applications in such business areas as international/intercultural, nonverbal, and ethical communications related to sustainability.

310 Ecology for Sustainable Management 3 cr
Prereq: Introductory Biology, admitted SMGT majors only or program adviser consent on space available basis. Freq: Yearly.
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.

315 Global Environmental Chemistry 3 cr
Prereq: General Chemistry, admitted SMGT majors only or program adviser consent on space available basis. Freq: Spring.
An exploration of chemical environments as interdependent thermodynamic and kinetic systems. The “system/surroundings” perspectives of thermodynamics will be applied to systems of progressively larger size in order to arrive at the comprehensive view of the global environmental system.

320 Energy for Sustainable Management 3 cr
Prereq: College Algebra, General Chemistry, admitted SMGT majors only or program adviser consent on space available basis. Freq: Yearly.
Students will learn to apply basic engineering principles to existing and emerging energy technologies to provide a better understanding of energy production, consumption, and environmental impact; and how these principles relate to sustainable management. Topics cover a wide range of energy systems including nuclear, fossil fuels, wind, solar, biofuels and biomass.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>325</td>
<td>Natural Resource Management</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td>Prereq: Admitted SMGT majors only or program adviser consent on space available basis. Freq: Fall.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>330</td>
<td>Marketing for a Sustainable World</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td>Prereq: SMGT 235, admitted SMGT majors only or program adviser consent on space available basis. Freq: Yearly.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>An analysis of 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) and target markets.</td>
<td></td>
</tr>
<tr>
<td>331</td>
<td>Sustainable Organizational Finance</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td>Prereq: SMGT 230, SMGT 235, admitted SMGT majors only or program adviser consent on space available basis. Freq: Spring.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>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).</td>
<td></td>
</tr>
<tr>
<td>332</td>
<td>Economics of Environmental Sustainability</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td>Prereq: SMGT 235, admitted SMGT majors only or program adviser consent on space available basis. Freq: Yearly.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Examines the interaction between market activity and the environment, 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.</td>
<td></td>
</tr>
<tr>
<td>335</td>
<td>Management and Environmental Information Systems</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td>Prereq: SMGT 230, admitted SMGT majors only or program adviser consent on space available basis. Freq: Spring.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Use of the computer as a problem-solving tool, as part of data processing systems; information systems and decision support tools for managers; information systems planning and development; overview of computer hardware, software, database management, networking and web technologies; green data centers; energy efficient trends in information technology; data and information usage in green businesses.</td>
<td></td>
</tr>
<tr>
<td>340</td>
<td>Organizational Behavior and Sustainability</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td>Prereq: Introductory Speech or Communication, admitted SMGT majors only or program adviser consent on space available basis. Freq: Yearly.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>350</td>
<td>Operations Management and Sustainability</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td>Prereq: College Algebra, Introductory Statistics, admitted SMGT majors only or program adviser consent on space available basis. Freq: Spring.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Introduction to the role of the operations function in a sustainable organization. The course will outline how green enterprises address linear programming; continuous and intermittent production processes; aggregate planning; inventory control; materials management; scheduling; project management; quality assurance; and operations.</td>
<td></td>
</tr>
<tr>
<td>360</td>
<td>Environmental and Sustainability Policy</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td>Prereq: SMGT 115, admitted SMGT majors only or program adviser consent on space available basis. Freq: Fall.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>370</td>
<td>Logistics, Supply Chain Management, and Sustainability</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td>Prereq: SMGT 350, admitted SMGT majors only or program adviser consent on space available basis. Freq: Fall.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>430</td>
<td>International Management for a Sustainable World</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td>Prereq: SMGT 235, admitted SMGT majors only or program adviser consent on space available basis. Freq: Spring.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
<td>Credits</td>
</tr>
<tr>
<td>-------------</td>
<td>--------------------------------------------</td>
<td>---------</td>
</tr>
<tr>
<td>435</td>
<td>International Development and Sustainability</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td>Prereq: SMGT 235, admitted SMGT majors only or program adviser consent on space available basis. Freq: Spring.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Historical roots of the idea of development, economic theories of growth and their implications for sustainability, and interrelationships between population growth, food security, poverty, inequality, urbanization, technological change, international trade and environmental change at local, regional and global scales. Contemporary issues and alternatives.</td>
<td></td>
</tr>
<tr>
<td>460</td>
<td>Environment and Society</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td>Prereq: SMGT 115, admitted SMGT majors only or program adviser consent on space available basis. Freq: Yearly.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>495</td>
<td>Sustainable Management Capstone</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td>Prereq: Senior standing, instructor consent, admitted SMGT majors only or program adviser consent on space available basis. Freq: Fall, Spring.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>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.</td>
<td></td>
</tr>
</tbody>
</table>
TEACHER EDUCATION

College:
Social Sciences and Professional Studies

Degree and Program Offered:
Bachelor of Science

Majors – Early Childhood Education, Elementary Education, Secondary Education, Special Education

Minor – English as a Second Language, Social Studies for Elementary Teachers

Wisconsin Licensure Programs Offered
Early Childhood (EC)
Early Childhood – Adolescence (EC-A)
Middle Childhood – Early Adolescence (MC-EA)
Early Adolescence-Adolescence (EA-A)
Cross Categorical Special Education (MC-EA, EA-A)
English as a Second Language (EC-A)

Student Organizations/Clubs:
Student Wisconsin Educators Association (SWEA)

Career Possibilities:
Career opportunities for teacher candidates who complete programs and are endorsed for licensure include teacher and graduate school. Other opportunities that may be available include principal, educational specialists, school district administrator, superintendent, director of instruction, instructional program coordinator, non-instructional coordinator, educational researcher, higher education faculty in the field of education.

Institute of Professional Educator Development (IPED)
Overview
The Institute of Professional Educator Development (IPED) houses two interrelated educator development programs: (1) the educator preparation program supports undergraduate and post baccalaureate initial licensure programs; and, (2) the advanced professional development program provides licensed teachers with professional development, licensure renewal, additional licensure, and supports alternative routes to licensure. Through IPED’s current pathways to licensure, professional development projects, and co-teaching initiatives, we directly and indirectly support all learners in Southeastern Wisconsin, preparing them to be successful in their professional, civic, and personal lives.

The mission of IPED is to respond to the changing demands of our profession, of our learners, and of our region, by providing innovative, career-long educator development. In the educator preparation program, we believe, that through collaboration with community partners, we prepare knowledgeable, responsive educators who commit to the education of all learners in a diverse and dynamic world.

Educator preparation offers programs that lead to initial teacher licensure approved by the Wisconsin Department of Public Instruction. The Institute offers initial teacher licensure in early childhood education (birth-age 8), elementary education (grades 1-8), cross categorical special education (grades 1-8 or grades 6-12), secondary education (grades 6-12), English as a Second Language (birth – grade 12) and music education (birth – grade 12). Undergraduate teacher candidates seeking licensure in elementary education should declare the bachelor of science in elementary education with a minor in an approved academic content area. Undergraduate teacher candidates seeking licensure in secondary education should declare an approved content major as well as a secondary education major. Undergraduate teacher candidates seeking licensure in early childhood education must have an AAS in Early Childhood Education from a Wisconsin Technical College or equivalent program prior to declaring the bachelor of science in early childhood education at UW-Parkside. Music education teacher candidates should declare the bachelor of arts in music education at UW-Parkside.
with a music education concentration. Teacher candidates pursuing early childhood, elementary, secondary and music education licensure may be at the undergraduate or post baccalaureate level. Undergraduate teacher candidates seeking licensure in English as a Second Language must declare a minor in English as a second language AND declare a bachelor of science degree in early childhood, elementary education, secondary education, or a bachelor of arts degree in music with a music education concentration.

Advanced professional development offers a technology and pre-engineering licensure program for post baccalaureate teacher candidates that leads to an early childhood – adolescence license in technology and pre-engineering. The program is designed with two tracks, one for the emergency licensed teacher or licensed teacher serving outside of their licensure area and a second track for the post baccalaureate student with no teaching experience.

Professionals already holding a teaching license may add-on licensure in any of the licensure areas offered by IPED.

Advising in Educator Preparation Licensure Programs

Educator preparation advising is a collaborative process. The advisor and student work as a team to develop a successful advisor/advisee relationship. Both the advisor and the student have important responsibilities in developing and maintaining this teamwork. The educator preparation advisor is responsible for meeting with the student as soon as possible. The advisor will determine what other team members should be assigned to the advising team based on the teacher candidates’ chosen major and/or pathway. All admitted UW-Parkside teacher candidates, in good standing, can indicate their intent to enter the educator preparation program by declaring their plan with the educator preparation program advisor in IPED by filling out a plan declaration form. Advising each semester is mandatory in this program.

IMPORTANT: All students must meet with the Educator Preparation Advisor for curricular and program requirement. Advising from anyone but the Educator Preparation advisor will not be deemed official for the EDU program. Rules and regulations for the EDU program change often by the State of Wisconsin and any other source of advising cannot be guaranteed to be correct.

Transferring into an Educator Preparation Program

Teacher candidates who wish to transfer into a licensure program may do so by meeting all of the admission requirements. Teacher candidates who have prior education coursework may request a transcript review to determine possible equivalency of competencies met in our coursework. At a minimum, teacher candidates must present a course syllabus that addresses the learning outcomes and standards met within the course they are seeking to transfer. The faculty member evaluating the course evidence may require additional information to make a final determination. Courses older than 5 years will not be eligible for review or equivalency for teacher candidates in undergraduate initial licensure programs.

Co-Teaching Clinical Field Program

All licensure programs within IPED have adopted the co-teaching model to guide our clinical practices. Co-teaching first defined by Cook and Friend (2004), and later developed by faculty at St. Cloud State University to mean, “two teachers (mentor teacher /teacher candidate) working together with a group of teacher candidates. And to intentionally and strategically work together” in each of the following areas:

- Planning, Organization, Delivery and Assessment of Instruction
- Management of Physical Space

Beginning in the very first education course teacher candidates are actively engaged in the classroom working with K-12 students. These experiences are called clinical field experiences. Prior to working in the classroom, UW-Parkside teacher candidates are required to attend workshops to learn strategies used in the co-teaching model. Teacher candidates work with professional educators trained in the co-teaching model who mentor and coach them so that they are able to learn first-hand what it takes to be a great teacher.

Teacher candidates spend many hours working in the classroom preparing for licensure. This time is valuable as teacher candidates prepare to become a teacher and allows teacher candidates the opportunity to gain multiple and varied classroom teaching experience under the direction of professional mentor teachers. The total minimum clinical hours teacher candidates spend in the K-12 classroom PRIOR to residency (student teaching) are:
• Secondary Education Teacher Candidates- 240 hours
• Music Education Teacher Candidates- 240 hours
• Elementary Education Teacher Candidates- 340 hours
• Special Education Teacher Candidates – 340 hours
• Early Childhood Education Teacher Candidates – 260 hours

Teacher candidates must provide their own transportation to and from clinical field experiences. Some of the field experiences will be outside of Kenosha County, in counties such as Racine, Walworth and Milwaukee, but will not to exceed 30 miles one way unless approved by the student.

Exploring the Undergraduate Licensure Program
EDU 100 and EDU 200 are each 1-credit courses that explore many facets of the institution that we call a school. Both courses are offered before teacher candidates must apply for admission to the licensure program and offer the opportunity to determine if the field of education is their desired path.

EDU 100 is designed for teacher candidates to explore the profession of teaching and learning. Throughout this course, teacher candidates will have multiple opportunities to engage with peers, faculty, teachers and 6-12 grade teacher candidates as you begin to participate in a way of life that is associated with public service.

EDU 200 is designed for teacher candidates to begin to explore how family and community factors impact learning in and outside of schools.

Requirements for Admission to the Educator Preparation Undergraduate Licensure Programs
All admitted UW-Parkside teacher candidates, in good standing, can indicate their intent to enter the educator preparation program.

Teacher candidates who plan to complete educator preparation requirements for licensure must apply and be admitted to the educator preparation program. Admission to the program is required for teacher candidates to enroll in EDU courses at or above the 300 level. It is strongly advised that teacher candidates follow the directions for admission closely and work with the IPED advisor during the application process.

Application for admission dates are posted on the teacher education website www.uwp.edu/learn/departments/educator development/. Applications received after the deadline or incomplete applications will be processed during the next application period. The “term” you are applying for is the next regular academic period (fall/spring).

The following are the minimum requirements for the program and must be met to complete the application for admission process:

• Admission to UW-Parkside;
• A minimum cumulative grade point average of 2.75 overall, including grades from all higher education institutions attended. (Teacher candidates who do not meet the GPA requirement but meet all other requirements may qualify for admission through the exceptions policy.);
• Declared intent to enroll in the educator preparation program;
• Declared a licensable major, or have planned an intended pathway with the IPED advisor;
• Completed the UW-Parkside skills requirements (Math 102/111 and ENGL 101);
• Communication skills assessment (Must meet ONE of the following)
  * Pass all three sections of the Praxis CORE, official score report sent to UW-Parkside
  * Earn a grade of C+ or better in English 101 and Math 102 or 111 (completed within the previous 10 years).
  * 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 previous10 years.
  * SAT - must have a composite score of 1070 or higher with a minimum score of 450 on math and verbal AND the score is within the previous 10 years.
  * 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.
(Teacher candidates who do not meet the Praxis requirement but meet all other requirements may qualify for admission through the exceptions policy.);

• Satisfactory criminal background check (If currently enrolled in EDU 100 or EDU 200 this is already complete.);
• For early childhood applicants: successful completion of associate of applied science degree in early childhood from a Wisconsin Technical College (as indicated in state-wide agreement), with an overall minimum GPA of 2.75, and a minimum GPA of 3.0 in all early childhood courses;
• For elementary education applicants: successful completion (grade C+ or better) or current enrollment in EDU 100, 200, 210, 211 and 212 at time of application;
• For secondary education applicants: successful completion (grade of C+ or better) or current enrollment in EDU 100, 200 and 211 at time of application;
• For special education applicants: successful completion (grade of C+ or better) or current enrollment in EDU 100, 101, 200, 210, 211 and 212 at time of application;
• Completed Educator Preparation Application for admission during open enrollment period;
• Completed Addendum to the Criminal Background Check Form.

Note: A student's application for admission to the Program is considered by the Program when the requirements listed above are complete. A student’s qualifications for continuance in the Educator Preparation Program is subject to review and change by the Educator Preparation Leadership Team at any time while the student is enrolled. Teacher candidates should check with their advisor for any additional program specific requirements as they can change without notice due to statute and law change.

Program Level Outcomes
Consistent with IPED’s conceptual framework which stems from the mission and vision, the following outcomes have been identified as points of assessment of teacher candidate knowledge, skills, and dispositions:

1. Competent Professionals
   The teacher candidate demonstrates:
   • Subject specific knowledge
   • Pedagogical and practical culturally responsive knowledge
   • Ability to use technology in teaching and learning
   • Ability to teach in a multicultural and multilingual society
   • Ethical practice

2. Reflective Practitioners
   The teacher candidate demonstrates:
   • Intellectual engagement and actively pursues personal and professional lifelong learning
   • Practice related to data-driven decision making
   • Engagement in self-assessment

3. Engaged Collaborative Professionals
   The teacher candidate demonstrates:
   • Engagement in collaborative efforts to advance teaching and learning;
   • Communication and advocacy for children, families and communities;
   • Equitable access by engaging all learners with meaningful learning opportunities;
   • Persistence in developing innovative practices.

4. Responsive Practitioners
   The teacher candidate demonstrates:
   • An awareness of the sociocultural forces that impact the in-school and out-of-school lives
   • An ability to value and teach about diversity, inclusivity, and equity
   • Growth toward cultural competency and culturally responsive teaching
   • Strength-based approaches to engaging PK-12 students
Program Progression
The following describes the sequence of stages within all educator preparation programs:

Pre-Professional Learning
In pre-professional Learning, teacher candidates develop (1) discipline-specific content knowledge; (2) cross-disciplinary competencies, (3) knowledge and understanding of the learner and learner development, and (4) dispositions supporting professional and ethical practice. This is accomplished through the pre-professional clinical sequence, the general education program, and introductory and developing program in the major.

Developing Expertise
Once teacher candidates demonstrate pre-professional competence, they advance to developing expertise. In this sequence, candidates develop knowledge, dispositions and practices associated with (1) the design of developmentally appropriate learning experiences of all types, (2) developing understanding of the role that context and culture (including language) play in shaping learning, and (3) the design of developmentally appropriate assessment and evaluations of student learning. This sequence forms the foundation for the development of more adaptive professional expertise.

In this sequence, candidates also receive instruction from UW-Parkside faculty and instructors in the clinical practicum placement site. Candidates go beyond observation and case study and actually practice the theory and models they are learning with the support of a co-teaching mentor.

Demonstrating Expertise in Practice
Candidates who demonstrate the necessary development of expertise in practice enter the Demonstrating Expertise level of our program, in which they demonstrate their expertise through increasingly complex practice in response to the different needs of specific learners and groups of learners in classrooms. The sequence develops deep understanding of (1) diagnosis of learning needs and differentiation of instruction, (2) culturally relevant practice, and (3) designed development of literacy, including the teaching of reading. Candidates design units of instruction, both single-content and interdisciplinary; they implement these designs and assess the impact of the design on student learning outcomes; and they work with cooperating co-teachers to design their own continuing professional development based on reflection on their own practice.

Residency
When candidates have demonstrated expertise in practice that is consistent with the capacity to teach both collaboratively and independently in a classroom, they move into the residency (formerly known as student teaching). The residency is designed as an authentic teaching experience, with candidates assuming full responsibility for the learning of teacher candidates over the course of one semester. Residents are fully integrated into the professional life of the schools in which they are working. Residency is 18 weeks in duration.

EDUCATOR PREPARATION UNDERGRADUATE LICENSURE PROGRAMS

Requirements for the Early Childhood Education Major
(40 credits and 260 clinical hours)

EC Early Childhood—PK-3
The Early Childhood Education Major is a 2+2 articulation program in cooperation with Wisconsin Technical Colleges. A student must first complete the A.A.S. in Early Childhood Education from Wisconsin Technical Colleges or an equivalent program prior to enrolling at UW-Parkside and declaring a Bachelor of Science in Early Childhood Education.

The bachelor of science in early childhood education includes a range of essential foundational “core” classes as well as courses in specialized areas pertinent to teaching 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 standards as well as five integrated program to prior to enrolling at UW-Parkside and declaring a Bachelor of Science in Early Childhood Education.

The bachelor of science in early childhood education includes a range of essential foundational “core” classes as well as courses in specialized areas pertinent to teaching 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 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.
Admission and Eligibility
It is the learner’s responsibility to demonstrate fulfillment of the current admission requirements of UW-Parkside at the time of entry. Please note that this 2+2 articulation agreement is valid only for teacher candidates who have successfully completed all A.A.S. degree requirements in early childhood and have a minimum cumulative GPA of 2.75 in all courses, a minimum cumulative GPA of 3.0 in early childhood courses, and at least a 2.75 in each early childhood course. Furthermore, teacher candidates must maintain a minimum cumulative GPA of 3.0 in all early childhood education courses taken at UW-Parkside in order to complete the B.S. degree with a major in early childhood education. Program to program transfer courses/credits are accepted only for the degree specified in this agreement. Admission to UW-Parkside does not guarantee admission to the early childhood educator program in the UW-Parkside Institute of professional educator development. To be eligible to apply for program admission student must meet the following conditions: For early childhood applicants: successful completion of associate of applied science degree in early childhood from a 2 year WI Technical College, and successful completion (grade of C+ or better) or current enrollment in EDU 212 at time of application.

University Skill Requirements
All degree seeking teacher candidates must complete a set of skills requirements in reading and writing and computational skills. Teacher candidates in the early childhood education major must complete ENGL 101 Composition and Reading and MATH 102 Survey of Mathematics or MATH 111 College Algebra I prior to their application for admission to the educator preparation program. Teacher candidates may choose between MATH 102 and MATH 111. The early childhood degree does not require a minor.

Advising
UW-Parkside and Wisconsin Technical Colleges will provide academic advising to learners inquiring about UW-Parkside programs. Learners will be connected with a UW-Parkside educator development advisor prior to transfer. UW-Parkside and Wisconsin Technical Colleges will share materials, catalogs, and other information to facilitate their understanding of requirements and programs.

IMPORTANT: All students must meet with the Educator Preparation Advisor for curricular and program requirement. Advising from anyone but the Educator Preparation advisor will not be deemed official for the EDU program. Rules and regulations for the EDU program change often by the State of Wisconsin and any other source of advising cannot be guaranteed to be correct.

Required Core Education Courses (40 credits)
A. Complete AAS in WTCS Early Childhood Education
   (Required for admission into the major.)

BENCHMARK – Admission to Major Required to Move Forward

B. Developing Expertise Sequence I (6 credits)
   EDU 212 Mathematics for Elementary and Middle School Teachers 3 cr
   EDU 333 Children’s and Adolescent Literature and New Literacies 3 cr

C. Developing Expertise Sequence II (5 credits)
   EDU 304 Context and Culture in Learning Environments 2 cr
   EDU 332 Foundations of Literacy 3 cr

D. Demonstrating Expertise in Practice Sequence (17 credits)
   EDU 325 Introduction to Second Language Acquisition 3 cr
   EDU 430 Seminar: Using Technology to Engage in Action Research I 2 cr
   EDU 431 Teaching Developmental Math Concepts, K-2 3 cr
   EDU 432 Teaching Developmental Literacy, K-2 3 cr
   EDU 433 Teaching Developmental Science, K-2 2 cr
   EDU 434 Teaching Developmental Movement and Health Education 2 cr
EDU 440  Seminar: Using Technology to Engage in Action Research II  2 cr

E. The Residency (12 credits)
EDU 420  Residency Seminar  2 cr
EDU 425  Residency (Student Teaching)  10 cr

Requirements for the Elementary Education Major (86-106 Credits and 340 clinical hours)

Middle Childhood – Early Adolescence Licensure: age 6-12 or 13, grades 1-8
The elementary education major is designed for UW-Parkside teacher candidates who desire to teach elementary and middle school teacher candidates. The completion of the major will lead to a bachelor of science 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 teacher candidates who successfully pass all program and licensure requirements to earn a license to teach elementary aged children. This program requires that teacher candidates also complete an academic minor.

Teacher candidates who complete this program may apply to be certified to teach in grades 1-8 at the middle childhood through early adolescence teaching license.

University Skill Requirements
All degree seeking teacher candidates must complete a set of skill requirements in reading and writing and computational skills. Teacher candidates in the elementary education major must complete ENGL 101 Composition and reading and MATH 102 Survey of Mathematics or MATH 111 College Algebra prior to their application for admission to the educator preparation program. Teacher candidates may choose either MATH 102 or 111 depending on the requirements of the minor.

General Education
The educator preparation program is committed to supporting the liberal arts education at UW-Parkside through the general education program. The educator preparation program makes the following suggestions for coursework that meet both the university requirements as well as the Department of Public Instruction requirements:

Humanities and the Arts: ART 103 Introduction to 3-D Design; ENGL 167 Introduction to Literature; HUMA 103 Diversity in the US (DV); SPCH 105 Public Speaking

Social and Behavioral Science: HIST 101 The United States, Origins to Reconstruction; POLS 100 American Politics; ECON 101 The American Economy; HIST 128 World History III: From 1800 to Present

Natural Science: BIOS 100 Nature of Life; GEGG 100 Physical Geography and the Environment; GEOS 100 Earth in Perspective; PHYS 120 Astronomy of Native Americans (DV)

Completing the above suggestions does not necessarily mean teacher candidates have completed the requirements of the general education program, please consult with the advisor to ensure all requirements are met.

Required Major Courses (86-106 credits)
A. Pre-Professional Sequence (9 Credits)
EDU 100  Educator Learning Community Seminar and Pre-Clinical I  1 cr
EDU 200  Educator Learning Community Seminar and Pre-Clinical II  1 cr
EDU 210  Seminar: Exploring Children's Worlds in Classroom, Context and Community  1 cr
EDU 211  Child and Adolescent Development  3 cr
EDU 212  Mathematics for Elementary and Middle School Teachers  3 cr

BENCHMARK – Admission to Major Required to Move Forward
B. Developing Expertise Sequence (17 Credits)

EDU 310 Seminar and Practicum II: Learning Design and Assessment 1 cr
EDU 312 Designed Learning Curriculum 2 cr
EDU 322 Teaching and Assessing Strategies for Exceptional Learners 3 cr
EDU 300 Seminar and Practicum I: The Learner and Learning 1 cr
EDU 304 Context and Culture in Learning Environments 2 cr
EDU 332 Foundations of Literacy 3 cr
EDU 333 Children’s and Adolescent Literature and New Literacies 3 cr
MUSE 303 Interdisciplinary Teaching and Learning 2 cr

C. Demonstrating Expertise in Practice Sequence (30 Credits)

EDU 430 Seminar: Using Technology to Engage in Action Research I 2 cr
EDU 431 Teaching Developmental Math Concepts, K-2 3 cr
EDU 432 Teaching Developmental Literacy, K-2 3 cr
EDU 433 Teaching Developmental Science, K-2 2 cr
EDU 434 Teaching Developmental Movement and Health Education, K-8 2 cr
EDU 325 Introduction to Second Language Acquisition 3 cr
EDU 440 Seminar: Using Technology to Engage in Action Research II 2 cr
EDU 335 ESL Methods 3 cr
EDU 442 Teaching Developmental Math Concepts, Grades 3-8 3 cr
EDU 443 Teaching Developmental Literacy, Grades 3-8 3 cr
EDU 444 Teaching Developmental Social Studies in an Elementary and Middle School Setting 2 cr
EDU 445 Teaching Developmental Environmental Science, Grades K-8 2 cr

BENCHMARK- e-Portfolio Review, Praxis II, and Admission to Residency

D. The Residency (12 Credits)

EDU 420 Residency Seminar 2 cr
EDU 425 Residency (Student Teaching) 10 cr

E. Required Minor Area (18-38 credits)

Elementary education majors must complete an academic minor.

- Biological Sciences (24-38 credits)
- Elementary Mathematics (31 credits)
- English Language Arts for Elementary Education** (21 credits)
- English as a Second Language (18 credits)
- Geography for Teachers (19 credits)
- History (18 credits)
- Political Science for Teachers (19 credits)
- Social Studies for Elementary Teachers (23 credits)
- Sociology for Teachers (18 credits)
Requirements for the Secondary Education Major
(75-120 Credits and 240 clinical hours)

Early Adolescence – Adolescence Licensure: age 10-21, grades 6-12
All teacher candidates declaring the intent to enter the educator preparation program to pursue an early adolescence through adolescence licensure program must also declare a licensable major, one that is recognized by the Wisconsin Department of Public Instruction as appropriate for each license level and category. The following is a summary of currently* approved licensable majors:

- Biological Sciences (76-79 credits)
- Chemistry (71 credits)
- Geosciences/Earth Science (71 credits)
- English/Language Arts** (43 credits)
- Geography (40-46 credits)
- History (39 credits)
- Mathematics (40-46 credits)
- Political Science (34 credits)
- Sociology (38 credits)

** Teacher candidates who declared English with a concentration in Language Arts before February 1, 2015, please check with the IPED advisor as the status of this content area may allow new teacher candidates by 2015-2016.

Required Core Education Courses (41 credits)
A. Pre-Professional Sequence (5 Credits)
   - EDU 100 Educator Learning Community Seminar and Pre-Clinical I  1 cr
   - EDU 200 Educator Learning Community Seminar and Pre-Clinical II  1 cr
   - EDU 211 Child and Adolescent Development  3 cr

BENCHMARK – Admission to Major Required to Move Forward

B. Developing Expertise Sequence (8 credits)
   - EDU 300 Seminar and Practicum I: The Learner and Learning  1 cr
   - EDU 304 Context and Culture in Learning Environments  2 cr
   - EDU 310 Seminar and Practicum II: Learning Design and Assessment  1 cr
   - EDU 312 Designed Learning Curriculum  2 cr
   - EDU 314 Assessment of Learning  2 cr

C. Demonstrating Expertise in Practice Sequence (16 credits)
   - EDU 430 Seminar: Using Technology to Engage in Action Research I  2 cr
   - EDU 402 Instructional Models and Strategies  3 cr
   - EDU 322 Teaching and Assessing Strategies for Exceptional Learners  3 cr
   - EDU 440 Seminar: Using Technology to Engage in Action Research II  2 cr
   - EDU 412 Literacy Development  3 cr
   - EDU 414 Culturally Relevant Pedagogy  3 cr

BENCHMARK- e-Portfolio Review, Praxis II, and Admission to Residency

D. The Residency (12 credits)
   - EDU 420 Residency Seminar  2 cr
   - EDU 425 Residency (Student Teaching)  10 cr

E. Required Content Major Area (34-79 credits)
The approved minors are listed above.
Requirements for the Special Education Major
(66-67 credits and 340 clinical hours)

Middle Childhood – Early Adolescence Licensure: grades 1-8
Early Adolescence – Adolescence Licensure: grades 6-12

The B.S. in Special Education is a 123-credit program that is designed for UW-Parkside teacher candidates who desire to teach special education teacher candidates at either the MC-EA developmental level or the EA-A developmental level. The content courses listed provide teacher candidates with a solid theoretical base and the methods necessary to be successful special education teachers of elementary, middle, and high school teacher candidates. The proposed major requirements include fundamental preparation courses (12 credits), special education specific courses (19-20 credits), upper-level integrated content/pedagogy specific courses (21 credits), and clinical courses (23 credits). In addition to these 70 credits, UW-Parkside requires 50 credits of general education academic skills courses and the fulfillment of the foreign language and an ethnic diversity requirement. The delivery mode of this program will be primarily face-to-face in a traditional baccalaureate program leading to bachelor's degree with a major in special education with a concentration in either Middle Childhood-Early Adolescence or Early Adolescence-Adolescence and a cross-categorical licensure pathway at either the MC-EA or EA-A level.

Candidates must choose a licensure concentration from the areas of: (a) specific learning disabilities (SLD), (b) emotional/behavioral disorders (EBD), or (c) intellectual disability (ID; also referred to as DDA, or developmental disabilities and autism, in the CEC standards). Autism is combined with DD in the standards and referred to as ASD, Autism Spectrum Disorder. As a program, we will be endorsing all three concentrations throughout. The candidates’ chosen concentration will depend on their fieldwork and portfolio of assessments. This is discussed in more detail as part of the assessments in each class below. No minor is required for the special education credential. All three license concentrations (SLD, EBD, and ID) will be threaded throughout the program and a candidate will choose their concentration at the end of their course progression, depending on their field placements. For example, if a candidate works in an inclusion setting for most of their field placements, they will most likely choose SLD and/or EBD as their concentration(s). If they work in self-contained classrooms with students with ID, they will most likely focus on ID. The candidate determines this through collaboration with her or his advisory team, including the academic advisor, cooperating teachers, and faculty advisor. Throughout the program, candidates develop a portfolio in LiveText, which includes case studies, assessments, individualized plans, lesson plans, and information about their clinical placements. By the start of the 400 year (i.e., before beginning EDU 436, EDU 439, and EDU 447) candidates should have met with their advisory team to begin thinking about their concentration and focus on that disability area for the duration of their program, including the student teaching semester. The definition of ‘concentration’ in this catalog section is consistent with DPI licensure requirement; it is not an academic concentration under UW-Parkside’s definition.

Required Core Education Courses (66-67 credits)

A. Pre-Professional Sequence (12 Credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDU 100</td>
<td>Educator Learning Community Seminar and Pre-Clinical I</td>
<td>1 cr</td>
</tr>
<tr>
<td>EDU 101</td>
<td>Introduction to Disability</td>
<td>3 cr</td>
</tr>
<tr>
<td>EDU 200</td>
<td>Educator Learning Community Seminar and Pre-Clinical II</td>
<td>1 cr</td>
</tr>
<tr>
<td>EDU 210</td>
<td>Seminar: Exploring Children’s Worlds in Classroom, Context and Community</td>
<td>1 cr</td>
</tr>
<tr>
<td>EDU 211</td>
<td>Child and Adolescent Development</td>
<td>3 cr</td>
</tr>
<tr>
<td>EDU 212</td>
<td>Mathematics for Elementary and Middle School Teachers</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

BENCHMARK – Admission to Major Required to Move Forward

B. Developing Expertise Sequence (19 Credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDU 300</td>
<td>Seminar and Practicum I: The Learner and Learning</td>
<td>1 cr</td>
</tr>
<tr>
<td>EDU 304</td>
<td>Context and Culture in Learning Environments</td>
<td>2 cr</td>
</tr>
</tbody>
</table>
EDU 310  Seminar and Practicum II: Learning Design and Assessment  1 cr  
EDU 322  Teaching and Assessing Strategies for Exceptional Learners  3 cr  
EDU 324  Individual Learning Design and Technology  3 cr  
EDU 326  Behavioral and Psychosocial Models  3 cr  
EDU 332  Foundations of Literacy  3 cr  
EDU 333  Children’s and Adolescent Literature and New Literacies  3 cr  

C. Demonstrating Expertise in Practice Sequence (16 Credits)  
EDU 335  ESL Methods  3 cr  
EDU 430  Seminar: Using Technology to Engage in Action Research I  2 cr  
EDU 437  Academic and Behavioral Assessment  3 cr  
EDU 440  Seminar: Using Technology to Engage in Action Research II  2 cr  
EDU 442  Teaching Developmental Math Concepts, Grades 3-8  3 cr  
EDU 443  Teaching Developmental Literacy, Grades 3-8  3 cr  

BENCHMARK- Praxis II, Foundations of Reading and Admission to Residency  

D. The Residency (12 Credits)  
EDU 420  Residency Seminar  2 cr  
EDU 425  Residency (Student Teaching)  10 cr  

E. Required Concentration (7-8 credits)  
Choose one:  
1. Middle Childhood – Early Adolescence Concentration (7 credits)  
   Licensure: grades 1-8  
   EDU 431  Teaching Developmental Math Concepts, K-2  3 cr  
   EDU 432  Teaching Developmental Literacy, K-2  3 cr  
   EDU 439  Transition and Self-Determination  1 cr  

2. Early Adolescence – Adolescence Concentration (8 credits)  
   Licensure: grades 6-12  
   EDU 412  Literacy Development  3 cr  
   EDU 447  Case Management and Developing Individualized Plans  3 cr  
   EDU 439  Transition and Self-Determination  2 cr  

Requirements for the English as Second Language Minor and EC-A License (18 credits)  
Student must by admitted to the educator preparation program prior to taking 300-level education courses. All coursework for the minor must be completed with a minimum grade of C+ in each course and a minimum grade point average of 2.75 for the minor is required.  

Required courses (18 credits)  
EDU 225  Foundations of ESL and Bilingual Education  3 cr  
EDU 235  Home, School, and Culture  3 cr  
EDU 325  Introduction to Second Language Acquisition  3 cr  
EDU 335  ESL Methods  3 cr  

UW-PARKSIDE 2017-19 CATALOG – 353
EDU 436  Literacy Methods in the Second Language  
Classroom 3 cr  
EDU 446  Assessment in the Second Language  
Classroom 3 cr  

Requirements for the Social Studies for Elementary Teachers Minor (23 credits)  
All coursework for the minor must be completed with a minimum grade of C+ in each course and a minimum grade point average of 2.750 for the minor is required.

A. Required courses (9 credits)  
- ECON 101  The American Economy 3 cr  
- GEOG 105  Contemporary Human Geography 3 cr  
- GEOG 315  Geography of Wisconsin 3 cr  

B. Political Science Electives (6 credits)  
Choose two:  
- POLS 100  American Politics 3 cr  
- POLS 103  Introduction to Comparative Politics 3 cr  
- POLS 104  Introduction to International Relations 3 cr  
- POLS 105  Introduction to Politics 3 cr  

C. U.S. History Elective (3 credits)  
Choose one:  
- HIST 101  The United States: Origins to Reconstruction 3 cr  
- HIST 102  The United States: Reconstruction to Recent Times 3 cr  

D. History Elective (3 credits)  
Choose one:  
- HIST 118  Western Civilization I: From Antiquity to 1300 3 cr  
- HIST 119  Western Civilization II: The Middle Ages to 1815 3 cr  
- HIST 120  Western Civilization III: From 1815 to the Present 3 cr  
- HIST 126  World History I: From Antiquity to 1300 3 cr  
- HIST 127  World History II: From 1300 to 1800 3 cr  
- HIST 128  World History III: From 1800 to the Present 3 cr  

E. Required Course (2 credits)  
- EDU 444  Teaching Developmental Social Studies in an Elementary and Middle School Setting 2 cr  

Requirements for PK-12 Music Education Licensure Programs  
Early Childhood – Adolescence: birth – age 21, grades PK4-12  
Teacher candidates interested in the music education program should refer to the Music section of the catalog.
IPED Post Baccalaureate Licensure Programs
The post-baccalaureate licensure program is for teacher candidates who hold a bachelor's degree or above and wish to obtain a Wisconsin teaching license.

Post-Baccalaureate Licensure Programs available:
- Elementary Education: Middle Childhood through Early Adolescence Licensure
  - Same as listed above
- Secondary Education: Early Adolescence through Adolescence Licensure
  - Same as listed above
- Music Education: Early Childhood – Adolescence Licensure
- Technology and Pre-Engineering: Early Childhood – Adolescence Licensure

Post-baccalaureate teacher candidates may enroll in an elementary or secondary licensure program at the undergraduate level; teacher candidates must meet the same admission requirements as the undergraduate teacher candidates; and will follow the same pathway to licensure as detailed above. Coursework is offered primarily during the daytime hours with required clinical field experiences during the K-12 school day. For more detailed programmatic information, contact the IPED advisor at (262)595-2180.

Requirements for Technology and Pre-Engineering Education Licensure Program
The technology education and pre-engineering licensure program is an innovative post-baccalaureate licensure-only program that provides technology content courses through our partner technical colleges and a series of pedagogy courses, field placements and student teaching experiences, provided by UW-Parkside’s Institute of Professional Educator Development (IPED). The program is based on DPI’s student learning outcomes and teaching standards for technology and pre-engineering. Content areas covered at partnering technical colleges include: architecture and construction; electronics; engineering; manufacturing; power and energy; and transportation standards.

Pathway to Licensure Options:
The technology education program has two licensure pathway tracks:
1. Teachers currently on an emergency 220 permit/license and teaching in a school district; or,
2. Post baccalaureate candidates who may be career changers from fields in manufacturing, construction, automotive, and/or military services.

Prior Learning Assessment Portfolio
See UW-Parkside PLA portfolio policy in the policy section of this catalog.

Required Education Courses under Option 1 (28 credits)
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>TCED 390</td>
<td>Contact, Culture and Technology</td>
<td>3 cr</td>
</tr>
<tr>
<td>TCED 391</td>
<td>Technological Literacy and Communication</td>
<td>3 cr</td>
</tr>
<tr>
<td>TCED 392</td>
<td>Design for Learning I</td>
<td>3 cr</td>
</tr>
<tr>
<td>TCED 393</td>
<td>Design for Learning I Seminar</td>
<td>3 cr</td>
</tr>
<tr>
<td>TCED 397</td>
<td>Residency: Teaching for Design and Innovation</td>
<td>3 cr</td>
</tr>
<tr>
<td>TCED 398</td>
<td>Residency Seminar</td>
<td>3 cr</td>
</tr>
<tr>
<td>TCED 420</td>
<td>Student Teaching Seminar</td>
<td>5 cr</td>
</tr>
<tr>
<td>TCED 425</td>
<td>Student Teaching</td>
<td>5 cr</td>
</tr>
</tbody>
</table>

Required Education Courses under Option 2 (25 credits)
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>TCED 391</td>
<td>Technological Literacy and Communication</td>
<td>3 cr</td>
</tr>
<tr>
<td>TCED 392</td>
<td>Design for Learning I</td>
<td>3 cr</td>
</tr>
<tr>
<td>TCED 393</td>
<td>Design for Learning I Seminar</td>
<td>3 cr</td>
</tr>
<tr>
<td>TCED 394</td>
<td>Design for Learning II</td>
<td>3 cr</td>
</tr>
<tr>
<td>TCED 395</td>
<td>Design for Learning II Seminar</td>
<td>3 cr</td>
</tr>
<tr>
<td>TCED 420</td>
<td>Student Teaching Seminar</td>
<td>5 cr</td>
</tr>
<tr>
<td>TCED 425</td>
<td>Student Teaching</td>
<td>5 cr</td>
</tr>
</tbody>
</table>
Required Technical Content Courses for Option 1 & 2
The Department of Public Instruction requires that technology education teacher candidates meet competencies in ten technology related content areas in order to qualify for certification. The content areas are:

- Broad Based Technology and Engineering
- Architecture and Construction
- Biotechnology
- Electronics
- Engineering
- Environmental Technologies
- Information and Communication Technologies
- Manufacturing
- Power and Energy
- Transportation Standards

IPED partners with regional technical colleges to identify a series of courses that will meet all of the competencies required within each of the technology content areas. For the current list of required courses please contact educator.preparation@uwp.edu.

Licensure Requirements
All programs leading to licensure must meet the requirements of the Wisconsin Department of Public Instruction. The WI DPI may make changes to the requirements for licensure at any time that may affect the educator preparation program. It is the teacher candidates’ responsibility to ensure that they are meeting with their advisor regularly to ensure that they have the most current licensure information.

An initial Wisconsin teaching license may be issued to a candidate who has received endorsement from the educator preparation program’s certification office. In order for a candidate to receive endorsement from the educator preparation program they must meet all of the following:

- Successful completion of a licensable major, baccalaureate degree and UW-Parkside educator preparation program (including residency).
- All clinical program and residency evaluations reflect the successful completion of the program.
- Successful completion of the appropriate content knowledge assessment (Praxis II).
- Successful completion of the Foundations of Reading Test (FORT) (for majors in early childhood, elementary education, and special education).
- Successful completion of the edtpa, Teacher Performance Assessment (for all majors and initial licensure candidates)
- A minimum cumulative GPA of 2.75 or above for initial programs or 3.0 for advanced (post-bac) programs; AND, maintain a 3.0 GPA in the educator preparation program (EDU courses) with no single EDU course grade lower than a C+ (with the exception of residency coursework.) Residency coursework must be completed with a grade of B or better. Candidates who do not meet the minimum cumulative GPA may apply for completion under the Exceptions Policy.

Out-of-State License Applications
Teacher candidates who wish to apply for licensure in states outside of Wisconsin should notify the IPED advisor as soon as possible. It is the student’s responsibility to know what the requirements for licensure are in the state they desire licensure. IPED will work with the student to assist in meeting the requirements of the state within the educator preparation program and/or the advanced professional development. If IPED is unable to assist in meeting the requirements of the state, the advisor may assist the student in finding alternatives. It is critical that teacher candidates identify early in their pathway to licensure if they will be seeking initial licensure outside of Wisconsin.

Add-on Licensure
Current State of Wisconsin valid licensed teachers can add-on additional licensure areas. To add a license, the Director of Certification will review previous coursework completed for initial licensure, coursework completed for advanced degrees, clinical field experiences and residency (student teaching) experiences, teaching license(s) and professional experience. Once a thorough review is completed a plan will be provided detailing the required steps to add-on licensure. Contact us at educator.preparation@uwp.edu for more information.
Courses in Educator Development (EDU)

100  Educator Learning Community Seminar and Pre-Clinical I  1 cr
Prereq: Consent of the institute. Freq: Fall, Spring, Summer.
Examination of the state of education in southeastern Wisconsin, as experienced in a structured observation of diverse school and classroom environments. Emphasis on cognitive, linguistic, social, cultural, and environmental contexts of teaching and learning. Members of the pre-professional educators learning community will complete 20 hours of supervised and evaluated field experiences in well-structured field visits and work-shadowing opportunities.

101  Introduction to Disability     3 cr
Prereq: Consent of the institute. Freq: Fall, Spring.
Focuses on ways in which society defines disabilities and our attempts to adjust and include individuals with disabilities. It covers history of disability and advocacy, law, accessibility, and seeing people with disabilities as an underrepresented minority group and society as having a moral obligation to accommodate those with differences. Requires 20 volunteer hours at a community organization that serve people with disabilities.

200  Educator Learning Community Seminar and Pre-Clinical II  1 cr
Prereq: Consent of the institute. Freq: Fall, Spring, Summer.
Examination of the complex diversity of the people who live, work and learn in southeastern Wisconsin, with an emphasis on the exploration of learning in community. The seminar supports analysis of learning environments created by community initiatives and organizations representing the diverse racial, cultural, language and economic groups within southeastern Wisconsin. Members of the pre-professional educators learning community will complete 20 hours of supervised and evaluated field experiences in well-structured community placements.

210  Seminar: Exploring Children's Worlds in Classroom, Context and Community     1 cr
Prereq: Consent of the institute. Freq: Fall, Spring.
Provides the opportunity for teacher candidates to complete a minimum of 40 hours in a school setting focusing on observing child development and what children do and do not understand specifically about math.

211  Child and Adolescent Development     3 cr
Prereq: Consent of the institute. Freq: Fall, Spring.
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.

212  Mathematics for Elementary and Middle School Teachers     3 cr
Prereq: Consent of the institute. Freq: Fall, Spring.
Focuses on the mathematical knowledge that an elementary and middle school teacher needs to know in order to teach successfully in a K-8 classroom.

225  Foundations of ESL and Bilingual Education     3 cr
Prereq: Consent of the institute. Freq: Fall, Spring.
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.

235  Home, School and Culture     3 cr
Prereq: Consent of the institute. Freq: Fall, Spring.
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.

300  Seminar and Practicum I: The Learner and Learning  1 cr
Prereq: Admission to the educator preparation program and consent of the institute. Freq: Fall, Spring.
Explores human learning and development and the professional design of effective learning progressions and environments. Introduces candidates to models and strategies of instruction derived from specific theoretical perspectives on human learning, development, and difference as they apply in educational practice. Allows candidates to apply understandings of learning theory and models to design developmentally and culturally appropriate learning for K-12 students in 40 contact hours of supervised and evaluated practicum experience.

304  Context and Culture in Learning Environments     2 cr
Prereq: Consent of the institute. Freq: Fall, Spring.
Develop deep understanding of the complex interaction between context, culture, and learning. Research the professional knowledge base 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.

UW-PARKSIDE 2017-19 CATALOG – 357
310 Seminar and Practicum II: Learning Design and Assessment 1 cr
Prereq: EDU 300, consent of the institute. Freq: Fall, Spring.
Introduces models and strategies of learning design and assessment derived from current theoretical perspectives on valid, reliable and meaningful design and evaluation of learning. Applies learning and assessment design to the creation and evaluation of content-based learning in 40 contact hours of supervised and evaluated practicum experience in diverse P-12 educational settings.

312 Designed Learning Curriculum 2 cr
Prereq: EDU 300, consent of the institute. Freq: Fall, Spring.
Develops understanding of current theory, concepts and principles, and models of instructional design. Applies learning progressions based on assessed student needs for both individual and group learning.

314 Assessment of Learning 2 cr
Prereq: EDU 300, consent of the institute. Freq: Fall, Spring.
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. Applies theories of assessment and evaluation to create a learner-centered assessment strategy for a short term learning progression.

320 Family, School and Community Partnerships Seminar 1cr
Prereq: Admission to the educator preparation program. Consent of the institute. Freq: Fall, Spring.
Focuses on the importance of communication and partnership with parents and other community members and organizations to support student success. Requires a minimum of 40 hours in a school setting.

322 Teaching and Assessing Strategies for Exceptional Learners 3 cr
Prereq: Consent of the institute. Freq: Fall, Spring.
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.

324 Individual Learning Design and Technology 3 cr
Prereq: Consent of the institute. Freq: Fall, Spring.
Develops familiarity with formal and informal assessments; assistive and adaptive communication devices; assistive technology devices and services; teaching students with differing ways of learning, behaving, and communicating; managing service providers and paraprofessionals; and lesson planning and adaptation.

325 Introduction to Second Language Acquisition 3 cr
Prereq: EDU 225, 235; consent of the institute. Freq: Fall, Spring.
Introduces sociocultural and linguistic concepts associated with second language acquisition.

326 Behavioral and Psychosocial Models 3 cr
Prereq: Consent of the institute. Freq: Fall, Spring.
Develops mastery in psychosocial and behavioral models and strategies.

330 Seminar: Culturally Responsive Teaching 1 cr
Prereq: Admission to the educator preparation program; consent of the institute. Freq: Occasionally.
Explores the cultural, social, organizational, and structural factors influencing literacy opportunities, experiences, and outcomes of K-8 students. Teacher candidates will complete a minimum of 60 hours in an elementary classroom setting.

331 Teaching Across Cultural Differences 3 cr
Teacher candidates explore and create lessons and activities that utilize all learners’ intellectual, social, linguistic and emotional learning styles that make up their cultural attitudes and practices.

332 Foundations of Literacy 3 cr
Prereq: Admission to the educator preparation program; consent of the institute. Freq: Occasionally.
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.

333 Children’s and Adolescent Literature and New Literacies 3 cr
Prereq: Admission to the educator preparation program; consent of the institute. Freq: Occasionally.
Teacher Candidates explore texts associated with children’s and adolescent literature and develop ways to evaluate and select appropriate materials for classroom reading instruction.

335 ESL Methods 3 cr
Prereq: EDU 225, 235; consent of the institute. Freq: Fall, Spring.
Examines the knowledge, skills, strategies, and dispositions necessary to support and make accommodations for English language learners in a K-12 classroom.
399 **Independent Study**  
Prereq: Consent of the institute. Freq: Fall, Spring.  
Individual study of topics related to education.

402 **Instructional Models and Strategies**  
Prereq: EDU 310, consent of the institute. Freq: Fall, Spring.  
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.

412 **Literacy Development**  
Prereq: Consent of the institute. Freq: Fall, Spring.  
Expands and deepens understanding of theory- and research-based models of literacy development in reading and writing, with emphasizing literacy development in academic content areas.

414 **Culturally Relevant Pedagogy**  
Prereq: Consent of the institute. Freq: Fall, Spring.  
Expands and deepens understanding of theory of culturally-mediated learning and emergent models of culturally relevant pedagogy. Discusses relevant implications for learning posed by culturally-grounded perspectives on learning, including appropriate and valid academic content.

420 **Residency Seminar**  
Prereq: Consent of the institute. Freq: Fall, Spring.  
Conducts research into professional practice in relation to significant challenges sustaining professional vision and identity; adaptive expertise in the face of complex education demands, and enacting and evaluation practice as required by state-mandated edTPA.

425 **Residency (Student Teaching)**  
Prereq: Consent of the institute. Freq: Fall, Spring.  
Provides full responsibility, P-12 school semester-long clinical evaluation of teaching practice.

430 **Seminar: Using Technology to Engage in Action Research I**  
Prereq: Admission to the educator preparation program and Consent of the Institute. Freq: Fall, Spring.  
Provides teacher candidates the opportunity to conduct an action research project while serving 60 to 90 clinical hours in an elementary, middle or high school setting.

431 **Teaching Developmental Math Concepts, K-2**  
Prereq: Consent of the institute. Freq: Fall, Spring.  
Explores knowledge, skills, and dispositions necessary to teach K-2 developmental math concepts.

432 **Teaching Developmental Literacy, K-2**  
Prereq: Consent of the institute. Freq: Fall, Spring.  
Explores knowledge, skills, and dispositions necessary to teach K-2 developmental literacy concepts.

433 **Teaching Developmental Science, K-2**  
Prereq: Consent of the Institute. Freq: Fall, Spring.  
Teacher candidates will learn about the knowledge, skills, and dispositions necessary to teach K-2 developmental science concepts.

434 **Teaching Developmental Movement and Health Education, K-8**  
Prereq: Consent of the Institute. Freq: Fall, Spring.  
Teacher candidates learn about the knowledge, skills, and dispositions necessary to teach movement and health education for grades K-8.

436 **Literacy Methods in the Second Language Classroom**  
Prereq: EDU 325, consent of the institute. Freq: Fall, Spring.  
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. Designed for individuals who are either presently reaching or preparing to teach in a bilingual or English as a Second Language classroom.

437 **Academic and Behavioral Assessment**  
Prereq: Consent of the institute. Freq: Fall, Spring.  
Explores how to gather information, perform nonbiased formal and informal assessments, and design and manage daily routines for student. Introduces the Response to Intervention Model.

439 **Transition and Self Determination**  
Prereq: Consent of the institute. Freq: Fall, Spring.  
Provides instruction on planning post-secondary goals and outcomes for students with disabilities.
440 Seminar: Using Technology to Engage in Action Research II  2 cr
*Prereq: Consent of the institute. Freq: Fall, Spring.*
Provides teacher candidates the opportunity to conduct an action research project while serving 60 to 90 clinical hours in an elementary, middle or high school setting.

442 Teaching Developmental Math Concepts, Grades 3-8  3 cr
*Prereq: Consent of the institute. Freq: Fall, Spring.*
Explores knowledge, skills, and dispositions necessary to teach developmental math concepts for grades 3-8.

443 Teaching Developmental Literacy, Grades 3-8  3 cr
*Prereq: Consent of the Institute. Freq: Fall, Spring.*
Teacher candidates will learn about the knowledge, skills, and dispositions necessary to teach developmental literacy concepts for teacher candidates in grades 3-8.

444 Teaching Developmental Social Studies in an Elementary and Middle School Setting  2 cr
*Prereq: Consent of the institute. Freq: Fall, Spring.*
Teacher candidates will learn about the knowledge, skills, and dispositions necessary to teach social studies for grades K-8.

445 Teaching Developmental Environmental Science, Graded K-8  2 cr
*Prereq: Consent of the institute. Freq: Fall, Spring.*
Teacher candidates will learn about the knowledge, skills, and dispositions necessary to teach environmental science at the K-8 level.

446 Assessment in the Second Language Classroom  3 cr
*Prereq: EDU 325; Consent of the institute. Freq: Fall, Spring.*
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. Designed for individuals who are either presently teaching or preparing to teach in a bilingual or English as a Second Language classroom.

447 Case Management and Developing Individualized Plans  3 cr
*Prereq: Consent of the Institute. Freq: Fall, Spring.*
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.

450 Elementary or Middle School Residency Seminar  2 cr
*Prereq: Admission to the educator preparation program, Admission to Residency and consent of the institute. Concurrent with EDU 455. Freq: Fall, Spring.*
Teacher candidates will learn about the knowledge, skills, and dispositions necessary to teach in the elementary or middle school setting while serving as a co-teacher during an 18-week residency, and will complete the edTPA.

455 Elementary or Middle School Residency  10 cr
*Prereq: Admission to the educator preparation program, Admission to Residency and consent of the institute. Concurrent with EDU 450. Freq: Fall, Spring.*
Teacher candidates will serve as a co-teacher in an elementary or middle school setting for a full 18-week semester.

499 Independent Study  1-6 cr
*Prereq: Consent of the Institute. Freq: Fall, Spring, Summer.*
Individual study of advanced topics related to education.

Courses in the Technology and Pre-Engineering (TCED)

390 Contact, Culture and Technology  3 cr
*Prereq: Admission to the alternative route to technology education licensure program and consent of the Institute of Professional Educator Development. Freq: Summer.*
Develops perspective and enhances skills in living and working in a technological society. Explores leaning skills, oral/written technology, and current technological advances in southeast Wisconsin.

391 Technological Literacy and Communication  3 cr
*Prereq: Consent of the Institute of Professional Educator Development. Freq: Summer.*
Become familiar with reading processes, fundamentals of reading instruction, factors that influence the ability to read text materials: instructions, diagrams, data, and technical material. Explores current methods, theories and materials used with transitional readers in content area instruction; the link between assessment and instruction; and reading strategies that support and sustain reading of middle and high school learners. Selects, administers and analyzes reading assessment tools and explore literature resources. Develops knowledge of Advancing Excellence in Technological Literacy and Standards for Technological Literacy.
392 Design for Learning I 3 cr  
Prereq: Consent of the Institute of Professional Educator Development. Freq: Summer. 
Examines the technological design process as related to designing developmentally appropriate learning experiences for middle and high school students. Develops planning instruction and assessment materials emphasizing approaches to learning and teaching, specific teaching and learning strategies, and the role of the technology and pre-engineering education in the school community. Explores the selection, development, and modification of instructional methods that are developmentally appropriate and relevant to the learner.

393 Design for Learning I Seminar 3 cr  
Prereq: Consent of the Institute of Professional Educator Development. Freq: Fall.  
Provides teacher candidates firsthand knowledge of the classroom environment. Examines the role of the technology and pre-engineering teacher through observation and co-teaching. Provides experience in daily classroom management, individual student and small group instruction. Course includes 110 hours of field experience.

394 Design for Learning II 3 cr  
Prereq: Consent of the Institute of Professional Educator Development. Freq: Spring.  
Examines of technological design processes related to designing developmentally appropriate learning experiences for middle and high school students. Continues experience in determining content and writing instructional plans that offer students opportunities to develop technology-related conceptual understanding, technical skills, and problem-solving strategies. Continues to emphasize developing appropriate assessment tools and evaluating those instruments related to measuring student achievement in the cognitive, affective, and psychomotor domains.

395 Design for Learning II Seminar 3 cr  
Prereq: Consent of the Institute of Professional Educator Development. Freq: Spring.  
Provides teacher candidates firsthand knowledge of the classroom environment. Examines the role of the technology and pre-engineering teacher through observation and co-teaching. Provides experience in daily classroom management, individual student and small group instruction. Course includes 110 hours of field experience.

397 Residency: Teaching for Design and Innovation 3 cr  
Prereq: Admission to the alternative route to technology education licensure program and consent of the Institute of Professional Educator Development; concurrent enrollment in TCED 398. Freq: Fall, Spring.  
Synthesizes the residency experience and supports transition to teaching at the professional level.

398 Residency Seminar 3 cr  
Prereq: Admission to the alternative route to technology education licensure program and consent of the Institute of Professional Educator Development; concurrent enrollment in TCED 397. Freq: Fall, Spring.  
Synthesizes the residency experience and supports transition to teaching at the professional level.

399 Independent Study 1-6 cr  
Prereq: Consent of the Institute of Professional Educator Development. Freq: Fall, Spring, Summer.  
Individual study of topics related to Technology Education and Pre-Engineering.

400 Residency: Teaching for Design and Innovation II 5 cr  
Prereq: Admission to the alternative route to technology education licensure program and consent of the Institute of Professional Educator Development; TCED 397, 398; concurrent enrollment in TCED 401. Freq: Fall, Spring.  
Provides mentored clinical experiences as a technology and pre-engineering teacher and enhances the knowledge, skills, and dispositions necessary to positively impact student learning.

401 Residency Seminar II 1 cr  
Prereq: Admission to the alternative route to technology education licensure program and consent of the Institute of Professional Educator Development; TCED 397, 398; concurrent enrollment in TCED 400. Freq: Fall, Spring.  
Synthesizes the residency experience and supports transition to teaching at the professional level.

420 Student Teaching Seminar 5 cr  
Prereq: Admission to the alternative route to technology education licensure program and consent of the Institute of Professional Educator Development; concurrent enrollment in TCED 425. Freq: Fall, Spring.  
Synthesizes the residency experience and supports transition to teaching at the professional level. Provides support for edTPA completion.

425 Student Teaching 5 cr  
Prereq: Admission to the alternative route to technology education licensure program and consent of the Institute of Professional Educator Development; concurrent enrollment in TCED 420. Freq: Fall, Spring.  
Provides mentored clinical experiences as a technology and pre-engineering teacher and enhances the knowledge, skills, and dispositions necessary to positively impact student learning.
Course in Professional Development (PDEV) used in TCED

380 Cultural Context for the 21st Century 3 cr

Prereq: None. Freq: Fall, Spring, Summer.

Provides the Wisconsin Department of Public Instruction requirements for Human Relations stipulations including: American Indian Tribes in Wisconsin; Women’s History and Minority History; Philosophical and Psychological Bases of Attitude Development, and Psychological and Social Implications of Discrimination.
College:
Arts and Humanities

Degree and Programs Offered:
Bachelor of Arts

Major - Theatre Arts

Minor - Theatre Arts

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 Entry Requirements:

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 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.

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 online student handbook.

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.
Requirements for the Theatre Arts Major (50-65 credits)

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, design and technology, or direction and management.

A. Theatre Arts Core Curriculum (41 credits)

Required courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>THEA 010</td>
<td>Theatre Practicum I</td>
<td>1 cr</td>
</tr>
<tr>
<td>THEA 014</td>
<td>Acting Practicum</td>
<td>1 cr</td>
</tr>
<tr>
<td>THEA 121</td>
<td>Theatrical Makeup</td>
<td>2 cr</td>
</tr>
<tr>
<td>THEA 124</td>
<td>Basic Acting</td>
<td>3 cr</td>
</tr>
<tr>
<td>THEA 125</td>
<td>Acting I</td>
<td>3 cr</td>
</tr>
<tr>
<td>THEA 132</td>
<td>Stagecraft</td>
<td>3 cr</td>
</tr>
<tr>
<td>THEA 133</td>
<td>Costumecraft</td>
<td>3 cr</td>
</tr>
<tr>
<td>THEA 150</td>
<td>Text Analysis for the Theatre</td>
<td>3 cr</td>
</tr>
<tr>
<td>THEA 160</td>
<td>Principles of Theatrical Design</td>
<td>3 cr</td>
</tr>
<tr>
<td>THEA 212</td>
<td>Intermediate Technical Production</td>
<td>2 cr</td>
</tr>
<tr>
<td>THEA 213</td>
<td>Assistant Director/Assistant Stage Manager</td>
<td>2 cr</td>
</tr>
<tr>
<td>THEA 295</td>
<td>Sophomore Seminar</td>
<td>2 cr</td>
</tr>
<tr>
<td>THEA 310</td>
<td>Directing I</td>
<td>3 cr</td>
</tr>
<tr>
<td>THEA 355</td>
<td>Theatre History and Literature to 1660</td>
<td>3 cr</td>
</tr>
<tr>
<td>THEA 356</td>
<td>Theatre History and Literature from 1660 to 1915</td>
<td>3 cr</td>
</tr>
<tr>
<td>THEA 357</td>
<td>Theatre History and Literature from 1915 to Today</td>
<td>3 cr</td>
</tr>
<tr>
<td>THEA 363</td>
<td>Lighting and Sound Design I</td>
<td>3 cr</td>
</tr>
<tr>
<td>THEA 373</td>
<td>Scene Design I</td>
<td>3 cr</td>
</tr>
<tr>
<td>THEA 383</td>
<td>Costume Design I</td>
<td>3 cr</td>
</tr>
<tr>
<td>THEA 495</td>
<td>Senior Seminar</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

B. Choose One Option (9-24 credits)

Option I: Generalist Degree Option (9 credits)
Requirements include the completion of the 41 credit core curriculum and 9 credits of elective courses chosen from theatre arts courses numbered 300 or above.

Option II: Concentration Option (21-24 credits)
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 41 credit core curriculum and the required courses for the concentration chosen.
1. Requirements for the Concentration in Acting (21 credits)
   a. Required courses (12 credits)
      THEA 225 Acting II 3 cr
      THEA 228 Voice for the Actor I 3 cr
      THEA 314 Advanced Acting Practicum 3 cr
      THEA 325 Acting III 3 cr
      OR
      THEA 425 Acting IV 3 cr
   b. Elective courses (9 credits)
      THEA 230 Movement for the Actor 3 cr
      THEA 250 Stage Combat I 3 cr
      THEA 251 Stage Combat II 3 cr
      THEA 315 Styles of Acting (may be repeated for credit with new topic) 3 cr
      THEA 328 Voice for the Actor II 3 cr
      THEA 426 Acting for Musical Theatre 3 cr
      MUSA 181 Applied Voice 1 cr

2. Requirements for the Concentration in Design & Technology (24 credits)
   a. Required courses (15 credits)
      ART 104 Introduction to Digital Art 3 cr
      ART 122 Introduction to Drawing 3 cr
      ART 125 Survey of World Art 3 cr
      ART 322 Intermediate Drawing 3 cr
      OR
      ART 331 Life Drawing 3 cr
      OR
      THEA 412 Main Stage Designer/Lead Technician 3 cr
   b. Elective courses* (9 credits)
      Choose three courses:
      THEA 322 Makeup II 3 cr
      THEA 363 Lighting and Sound Design I 3 cr
      THEA 373 Scenic Design I 3 cr
      THEA 380 Scene Painting 3 cr
      THEA 383 Costume Design I 3 cr
      THEA 390 Special Topics in Theatre Arts: 3 cr
      THEA 463 Lighting and Sound Design II 3 cr
      THEA 473 Scenic Design II 3 cr
      THEA 483 Costume Design II 3 cr
      *Cannot count costume, lighting and sound, or scene design from core courses.

3. Requirements for the Concentration in Direction & Management (21 credits)
   a. Required courses (9 credits)
      THEA 213 Assistant Director/Assistant Stage Manager 3 cr
      THEA 313 Stage Management 3 cr
      THEA 410 Directing II 3 cr
   b. Interdisciplinary elective courses (6 credits)
      Choose two courses:
      ART 125 Survey of World Art 3 cr
      SPCH 105 Public Speaking 3 cr
      COMM 107 Communication and the Human Condition 3 cr
COMM 285  Introduction to Conflict Analysis and Resolution  3 cr
HUMA 102  Introduction to Humanities: World Cultures 1500 to present  3 cr
HUMA 103  Diversity in the United States  3 cr
THEA 208  Multicultural Theatre in America  3 cr
OR
THEA/ WGSS 215 LGBTQ Representation on Stage and Screen  3 cr

c. Theatre elective courses* (6 credits)
Choose two courses:
THEA 225 Acting II  3 cr
THEA 315 Styles of Acting  3 cr
THEA/ ENGL 320 Shakespeare  3 cr
THEA 325 Acting III  3 cr
THEA 345 Playwriting I  3 cr
THEA 363 Lighting and Sound Design I  3 cr
THEA 373 Scenic Design I  3 cr
THEA 383 Costume Design I  3 cr

*Cannot count costume, lighting and sound, or scene design from theatre core courses.

Requirements for the Theatre Arts Minor (24 credits)
The basic objective of the theatre arts minor is to provide a foundation for further study, vocational or avocational, for all interested students.

Required Courses (24 credits)
THEA 010 Theatre Practicum I  2 cr
THEA 014 Acting Practicum  1 cr
THEA 110 Theatre Appreciation  3 cr
OR
THEA 112 Behind the Scenes  3 cr
THEA 124 Basic Acting  3 cr
OR
THEA 125 Acting I  3 cr
THEA 132 Stagecraft  3 cr
OR
THEA 133 Costumecraft  3 cr
THEA 150 Text Analysis for the Theatre  3 cr
THEA 160 Principles of Theatrical Design  3 cr
THEA 355 Theatre History and Literature to 1660  3 cr
OR
THEA 356 Theatre History and Literature from 1660 to 1915  3 cr
OR
THEA 357 Theatre History and Literature from 1915 to Today  3 cr
THEA 363 Lighting and Sound Design I  3 cr
OR
THEA 373 Scenic Design I  3 cr
OR
THEA 383 Costume Design I  3 cr
# Courses in Theatre Arts (THEA)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit(s)</th>
<th>Prerequisites</th>
<th>Description</th>
<th>Additional Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>010</td>
<td>Theatre Practicum I</td>
<td>1 cr</td>
<td>Consent of instructor. Freq: Fall, Spring.</td>
<td>Practical experience through participation in productions sponsored by theatre arts. Focus areas include scenery, props, costumes, makeup, lighting, or sound. May be repeated in different areas for a maximum of 4 credits. An average of five hours required per week.</td>
<td></td>
</tr>
<tr>
<td>012</td>
<td>Theatre Practicum II</td>
<td>1 cr</td>
<td>None. Freq: Fall, Spring.</td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>014</td>
<td>Acting Practicum</td>
<td>1-3 cr</td>
<td>Audition required or consent of instructor. Freq: Fall, Spring.</td>
<td>Participation as a performer in a faculty-directed theatre production. Requires additional journal and written evidence of research and outside efforts in character development. May be repeated for a maximum of 6 credits.</td>
<td></td>
</tr>
<tr>
<td>050</td>
<td>Company Participation</td>
<td>0 cr</td>
<td>Theatre arts major or minor. Freq: Fall.</td>
<td>Required 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; additional fees required.</td>
<td></td>
</tr>
<tr>
<td>110</td>
<td>Theatre Appreciation</td>
<td>3 cr</td>
<td>None. Freq: Fall, Spring.</td>
<td>Introduction to the arts of the theatre. Examination of the nature, function, and basic theories of drama. Reading selected plays and attending live theatrical performances. Field trips to theatrical productions; additional fees required.</td>
<td></td>
</tr>
<tr>
<td>112</td>
<td>Behind the Scenes</td>
<td>3 cr</td>
<td>None. Freq: Spring.</td>
<td>Explores the fundamentals of scenery, lighting, costumes, makeup, sound, and props for theatre and film. Includes lecture, demonstration, field trips, and lab experiences with award-winning UW-Parkside and Fireside Theatre productions. Field trips to theatrical productions; additional fees required.</td>
<td></td>
</tr>
<tr>
<td>117</td>
<td>Theatre Dance I</td>
<td>2 cr</td>
<td>None. Freq: Occasionally.</td>
<td>This course explores a variety of traditional theatre dance styles, including jazz, modern, soft shoe/tap, and chorus dancing. May be taken for credit each time a different topic is studied. Field trips to theatrical productions required; additional fees required.</td>
<td></td>
</tr>
<tr>
<td>121</td>
<td>Theatrical Makeup</td>
<td>2 cr</td>
<td>None. Freq: Spring.</td>
<td>Basic principles and techniques of theatrical makeup. Field trips to theatrical productions; lab and additional fees required.</td>
<td></td>
</tr>
<tr>
<td>124</td>
<td>Basic Acting</td>
<td>3 cr</td>
<td>None. Freq: Fall, Spring.</td>
<td>Introduces students to basic acting and improvisation skills. Focuses on acting exercises, discussion, role-playing, storytelling and how these activities can improve communication, create flexibility, and introduce the non-actor to important interpretive and interpersonal skills. Attendance at theatrical productions required.</td>
<td></td>
</tr>
<tr>
<td>132</td>
<td>Stagecraft</td>
<td>3 cr</td>
<td>Consent of instructor. Freq: Fall.</td>
<td>Introduction to procedures and theories of theatrical production. Includes stage equipment, scenic construction, scenic painting, stage lighting, technical personnel duties, practical applications, and work on current productions. Field trips to theatrical productions; lab and additional fees required.</td>
<td></td>
</tr>
<tr>
<td>133</td>
<td>Costumecraft</td>
<td>3 cr</td>
<td>Consent of instructor. Freq: Spring.</td>
<td>A practical introduction to costume theory and construction. Includes the use of shop equipment, shop operation, and costume production skills with practical applications through work on current productions. Field trips to theatrical productions; lab and additional fees required.</td>
<td></td>
</tr>
</tbody>
</table>
142 **Theatre in the City Field Trip** 1 cr  
*Prereq: Consent of instructor. Freq: Occasionally.*  
Provides opportunity for on-site observation of theory and practice. Consists of play attendance, guest lectures, and backstage tours. May be repeated with different topic. Additional fees required.

150 **Text Analysis for the Theatre** 3 cr  
*Prereq: Consent of instructor. Freq: Fall.*  
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. Field trips to theatrical productions required.

160 **Principles of Theatrical Design** 3 cr  
*Prereq: Consent of instructor. Freq: Spring.*  
This course is designed to introduce the student to the fundamental elements and principles of design and how they apply to the development and creation of production elements for the live theatre productions. Field trips to theatrical productions; additional fees required.

208 **Multicultural Theatre in America** 3 cr  
*Prereq: ENGL 101. Freq: Occasionally.*  
Examines African American, Asian American, Latino American and Native American cultures utilizing 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; additional fees required. Cross-listed with ETHN 208.

212 **Intermediate Technical Production** 1-3 cr  
*Prereq: THEA 010, 132, 133 and consent of instructor. Freq: Fall, Spring.*  
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. May be repeated in a different area for a maximum of 6 credits.

213 **Assistant Director/Assistant Stage Manager** 1-3 cr  
*Prereq: THEA 132 and consent of instructor. Freq: Fall, Spring.*  
Student serves as either assistant director or assistant stage manager for a production. Additional written and visual research required depending on position. May be repeated in a different area for a maximum of 6 credits.

214 **Intermediate Acting Practicum** 1-3 cr  
*Prereq: Audition, THEA 014 and consent of instructor. Freq: Fall, Spring.*  
Participation as a performer in a faculty-directed theatre production. Requires additional journal and written evidence of research and outside efforts in character development. May be repeated for a maximum of 6 credits.

215 **LGBTQ Representation on Stage and Screen** 3 cr  
*Prereq: None. Freq: Spring.*  
Examines the portrayal and representation (or lack of representation) of gender and/or the LGBTQ voice and identity in plays and film during the last century. Explores a number of facets of gender and sexual identity and portrayal through theory and criticism as well as through the plays and films themselves. Field trips to theatrical productions; additional fees required. Cross-listed with WGSS 215.

225 **Acting II** 3 cr  
*Prereq: THEA 125 and consent of instructor. Freq: Spring.*  
Intensification and deepening of an actor’s skills. Emphasizes on simplicity and in-the-moment work, including Meisner and Neutral mask work. Field trips to theatrical productions; additional fees required.

228 **Voice for the Actor I** 3 cr  
*Prereq: THEA 125 and consent of instructor. Freq: Occasionally.*  
An intensive studio course in the individual development and use of the voice for performance. Articulation and voice projection will be stressed. Field trips to theatrical productions; additional fees required.

230 **Movement for the Actor** 3 cr  
*Prereq: Consent of instructor. Freq: Spring (odd years).*  
Centers on the development of physical awareness and articulation as well as building an understanding for a psychophysical approach to acting. Analyzes personal body use, by studying various exercises, techniques, and theories of movement training designed to improve an actor’s awareness of impulse and expressiveness of ideas.

250 **Stage Combat I** 3 cr  
*Prereq: THEA 125. Freq: Occasionally.*  
Introduces unarmled stage combat. Focus on basic combat techniques and movement skills: physical awareness, balance, coordination, and safety. Incorporates acting within choreography. Field trips to theatrical productions; additional fees required.
251  **Stage Combat II**  
*Prereq: THEA 125. Freq: Occasionally.*  
Develops high speed, moment-to-moment acting building heightened concentration, physical agility and stamina. Field trips to theatrical productions; additional fees required.

260  **Theatre Crafts I**  
*Prereq: 15 credits of THEA and consent of instructor. Freq: Fall (even years).*  
Introduces the theories, methods, and processes of various types of costume crafts and stage props used in theatre. Includes furniture upholstery and finishing, fabric dyeing and manipulation, mask making and millinery. Field trips to theatrical productions; additional fees and materials required.

290  **Special Topics in Theatre Arts**  
*Prereq: Consent of instructor. Freq: Occasionally.*  
Selected topics in theatre arts will be examined. Field trips to theatrical productions required; additional fees required.

294  **Professional Theatre Internship**  
*Prereq: Consent of instructor and department chair. Freq: Fall, Spring, Summer.*  
This individualized program of study for freshmen and sophomores includes apprenticeships and internships at professional theatres, under the supervision of campus faculty and professional theatre staff. May be repeated for a maximum of 6 credits.

295  **Sophomore Seminar**  
*Prereq: 15 credits in THEA and consent of instructor. Freq: Fall.*  
Focuses on the development and presentation of portfolios and audition/interview materials. Includes a community based project. Field trips to theatrical productions; additional fees required.

299  **Independent Study**  
*Prereq: Consent of instructor and department chair. Freq: Fall, Spring, Summer.*  
Regularly available under the supervision of theatre faculty members, this course allows individual students with 60 or fewer credits the opportunity to explore a variety of theatrical subjects and/or projects that are not regularly offered in other theatre courses.

310  **Directing I**  
*Prereq: THEA 102 or 125; sophomore or higher standing, and consent of instructor. Freq: Spring.*  
Examines the director’s role in theatre production. Delves into the theoretical and practical principles and techniques of directing and play analysis. Field trips to theatrical productions; additional fees required.

312  **Studio Designer / Lead Technician**  
*Prereq: THEA 212 and consent of instructor. Freq: Fall, Spring.*  
Student serves as designer or lead technician for a studio production. Designs may include but are not limited to scenery, props, costume, makeup, sound or lighting. 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.

313  **Stage Management**  
*Prereq: THEA 212 and consent of instructor. Freq: Fall, Spring.*  
Student serves as stage manager for a production. Additional written and visual research required. May be repeated for a maximum of 10 credits.

314  **Advanced Acting Practicum**  
*Prereq: Audition, THEA 214 and consent of instructor. Freq: Fall, Spring.*  
Participation as a performer in a faculty-directed theatre production. Requires additional journal and written evidence of research and outside efforts in character development. May be repeated for a maximum of 6 credits.

315  **Styles of Acting**  
*Prereq: THEA 225 and consent of instructor. Freq: Occasionally.*  
An intensive investigation of a selected style of acting such as comedy, improvisation, physical acting, musical theatre performance, Shakespeare, etc. May be taken for credit each time a different topic is studied. Field trips to theatrical productions; additional fees required.

317  **Dramaturgy**  
*Prereq: Consent of Instructor. Freq: Fall, Spring.*  
Student serves as dramaturg for a production. Additional written and visual research required. May be repeated for a maximum of 6 credits.

320  **Shakespeare**  
*Prereq: ENGL 167, 266; or consent of instructor; or THEA 150. Freq: Fall, Spring.*  
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.
322 Makeup II  
**Prereq:** THEA 121 and consent of instructor. **Freq:** Occasionally.
Intermediate study of principles and techniques of theatrical makeup, including airbrush and special effects. Field trips to theatrical productions; lab and additional fees required.

325 Acting III  
**Prereq:** THEA 225 and consent of instructor. **Freq:** Fall.
Advanced scene study and exploration of characterization. Emphasis on adding the layers of complex action (conditioning factors, physicalization, internal obstacles, etc.). Field trips to theatrical productions; additional fees required.

328 Voice for the Actor II  
**Prereq:** THEA 228 and consent of instructor. **Freq:** Occasionally.
The continuation of individual development and use of the voice for performance. Development of an aesthetic quality, expressive intonation, and study of the more commonly used American and foreign dialects. Field trips to additional theatrical productions; additional fees required.

342 Advance Theatre in the City Field Trip  
**Prereq:** Consent of instructor **Freq:** Occasionally.
Provides opportunity for on-site observation of theory and practice studied in accompanying course. Consists of play attendance, guest lectures and backstage tours. May be repeated with different topic. Additional fees required.

345 Playwriting I  
**Prereq:** ENG 101 and consent of instructor. **Freq:** Occasionally.
Introduces writers to the process of creating monologues, scenes, plays, and/or scripts for the live stage and screen in a workshop. Field trips to additional theatrical productions; additional fees required.

355 Theatre History and Literature to 1660  
**Prereq:** ENGL 101 and consent of instructor. **Freq:** Fall (even years).
Examines key milestones in theatre history and literature from the origins of theatre to 1660. Included in the course will be a study of primary and secondary historical sources that reveal the context for theatrical productions in a variety of cultures and periods.

356 Theatre History and Literature from 1660 to 1915  
**Prereq:** ENGL 101 and consent of instructor. **Freq:** Fall (even years).
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.

357 Theatre History and Literature from 1915 to Today  
**Prereq:** ENGL 101 and consent of instructor. **Freq:** Spring (odd years).
Provides a comprehensive overview of key milestones in theatre history and literature from 1915 to today, including a study of primary and secondary historical sources that reveal the context for theatrical productions in a variety of cultures and periods.

363 Lighting and Sound Design I  
**Prereq:** THEA 132, 160; or consent of instructor. **Freq:** Spring (odd years).
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. Field trips to theatrical productions; additional fees required.

373 Scenic Design I  
**Prereq:** THEA 132 and consent of instructor. **Freq:** Fall (odd years).
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; additional fees required.

380 Scene Painting  
**Prereq:** THEA 132 or consent of instructor. **Freq:** Spring (even years).
Enhances knowledge and skills in scenic artistry including the role of the scenic artist, types of paint and applicators, color theory and mixing, drop creation and many scenic painting and faux finishing techniques. Additional fees required.

383 Costume Design I  
**Prereq:** THEA 133 and consent of instructor. **Freq:** Fall (even years).
Examines the costume design process including theory, historical research and rendering styles. Field trips to theatrical productions; lab and additional fees required.

385 Portfolio Development  
**Prereq:** THEA 295, consent of instructor. **Freq:** Occasionally.
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.
390 Special Topics in Theatre Arts  
*Prereq: consent of instructor. Freq: Occasionally.*
Selected topics in theatre will be examined. Field trips to theatrical productions; additional fees required.

410 Directing II  
*Prereq: THEA 310 and consent of instructor. Freq: Fall.*
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. Field trips to theatrical productions; additional fees required.

412 Main Stage Designer / Lead Technician  
*Prereq: THEA 312 and consent of instructor. Freq: Fall, Spring.*
Student serves as designer or lead technician for a main-stage production. Designs may include but are not limited to scenery, props, costume, makeup, sound or lighting. 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.

425 Acting IV  
*Prereq: THEA 325 and consent of instructor. Freq: Spring.*
Focus on elements of style through scene work, involving complex characterization, and research. Expanding the truth to accommodate classical and contemporary/post-modern styles. Field trips to theatrical productions; additional fees required.

426 Acting for Musical Theatre  
*Prereq: Consent of instructor. Freq: Occasionally.*
Introduces styles of acting for the musical theatre, including exercises, improvisations, scene and vocal work. Accompanist fees required.

445 Playwriting II  
*Prereq: THEA 345. Freq: Occasionally.*
Provides the playwright with tools and practical methodologies necessary to take their texts from page to stage or screen. Field trips to theatrical productions; additional fees required.

463 Lighting and Sound Design II  
*Prereq: THEA 363 or consent of instructor. Freq: Fall (odd years).*
Advances training in lighting, sound, or projection design for theatre or live entertainment. Includes topics in automated lighting, live sound mixing, audio configurations, and projection design. Field trips; lab and additional fees required.

473 Scenic Design II  
*Prereq: THEA 373. Freq: Spring (even years).*
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; lab and additional fees required.

483 Costume Design II  
*Prereq: THEA 383. Freq: Fall (even years).*
Examines special problems in costume research theory, and projects in costume design. Field trips to theatrical productions; lab and additional fees required.

490 Special Topics in Theatre Arts  
*Prereq: Consent of instructor. Freq: Occasionally.*
Selected topics in theatre arts will be examined. Field trips to theatrical productions; additional fees required.

494 Professional Theatre Internship  
*Prereq: Consent of instructor and department chair. Freq: Fall, Spring, Summer.*
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 be repeated for a maximum of 12 credits.

495 Senior Seminar  
*Prereq: Consent of instructor. Freq: Fall.*
For students in their final year. Students will be required to demonstrate their ability to successfully research in the field through written, oral and visual presentations to the group. Each student will focus their approach to this critical study of the topic within their own area of concentration (design, acting, directing or dramaturgy). At the same time, students will be focusing on the development and presentation of portfolios (paper and electronic), and auditions/interview materials to prepare them for professional careers and/or graduate study. Field trips to theatrical productions; additional fees required.

499 Independent Study  
*Prereq: Consent of instructor and department chair. Freq: Fall, Spring, Summer.*
Regularly available under the supervision of theatre faculty members, this course allows individual students with 60 or more credits the opportunity to explore a variety of theatrical subjects and/or projects that are not regularly offered in other theatre courses.
Courses in Speech Studies (SPCH)

<table>
<thead>
<tr>
<th>CRN</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>105</td>
<td>Public Speaking</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td><em>Prereq: None. Freq: Fall, Spring, Summer.</em></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Introduces fundamentals of speech composition, style, and delivery. Includes practical experience in informative, persuasive, and special occasion speaking. Not available for audit.</td>
<td></td>
</tr>
<tr>
<td>290</td>
<td>Special Topics in Speech Studies</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td><em>Prereq: Varies with topic. Freq: Occasionally.</em></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Selected topics related to speech will be examined.</td>
<td></td>
</tr>
<tr>
<td>299</td>
<td>Independent Study</td>
<td>1-3 cr</td>
</tr>
<tr>
<td></td>
<td><em>Prereq: SPCH 105; consent of instructor and program director. Freq: Fall, Spring.</em></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Individual investigation of selected practices and issues related to speech studies.</td>
<td></td>
</tr>
<tr>
<td>305</td>
<td>Advanced Presentation Skills for College and Career</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td><em>Prereq: SPCH 105. Freq: Spring.</em></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Develop advanced mastery of theory and practice of speech presentation.</td>
<td></td>
</tr>
<tr>
<td>390</td>
<td>Special Topics in Speech Studies</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td><em>Prereq: Varies with topic. Freq: Occasionally.</em></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Advanced selected topics related to speech studies will be examined.</td>
<td></td>
</tr>
<tr>
<td>490</td>
<td>Special Topics in Speech Studies</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td><em>Prereq: Varies with topic. Freq: Occasionally.</em></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Advanced selected topics related to speech studies will be examined.</td>
<td></td>
</tr>
<tr>
<td>499</td>
<td>Independent Study</td>
<td>1-3 cr</td>
</tr>
<tr>
<td></td>
<td><em>Prereq: SPCH 105, junior standing, consent of instructor and program director. Freq: Fall, Spring.</em></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Individual investigation of selected practices and issues related to speech studies will be explored.</td>
<td></td>
</tr>
</tbody>
</table>
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 111 Freshman Seminar 1 cr
Prereq: None. Freq: Fall, Spring.
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.

UWP 293 Career Development and Practicum 1-2 cr
Prereq: Consent of instructor. Freq: Fall, Spring.
Develops a broad, interdisciplinary perspective on career development and planning. Integrates academic studies with professional work experience in an internship or experiential opportunity.
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.

**Requirements for the Women’s, Gender and Sexuality Studies Minor (18 credits)**

Eighteen credits are required for the minor. Students must take three core courses:

**A. Core Courses (9 credits)**

1. **Required Course (3 credits)**
   - WGSS 110 Introduction to Women’s, Gender and Sexuality Studies 3 cr

2. **Choose One Course (3 credits)**
   - WGSS/ENGL 112 Women in Literature 3 cr
   - WGSS/SOCA 213 Gender and Society 3 cr
   - WGSS/HIST 236 Women in Modern Society 3 cr

3. **Choose One Course (3 credits)**
   - WGSS/COMM 463 Gender, Race, Class and Sexualities in Media 3 cr
   - WGSS 494 Internship in Women’s, Gender and Sexuality Studies 1-6 cr
   - WGSS 495 Women’s, Gender and Sexuality Studies Seminar 3 cr
   - WGSS 497 Women’s, Gender and Sexuality Studies Senior Thesis 3 cr
   - WGSS 499 Independent Study 1-3 cr

**B. Elective Courses (9 credits)**

The minor also requires three elective courses, deriving from at least two of the following three areas: Humanities and Art, Social Sciences, and Natural Sciences. Each semester, courses from other departments that are available for women’s, gender and sexuality studies credit will be listed in the course schedule.

1. **Humanities and Art**
   - Approved women’s, gender and sexuality studies courses from English, art, communication, theatre arts, humanities, music and philosophy. Examples include:
     - COMM/WGSS 315 Communication and Gender 3 cr
COMM/
WGSS 463 Gender, Race, Class and Sexualities in Media 3 cr

ENGL/
WGSS 112 Women in Literature 3 cr
ENGL 417 Studies in British Literature: British Women Novelists 3 cr
ENGL 464 Studies in Cultural Trends: Gay and Lesbian Literature 3 cr
ENGL/
WGSS 469 Women as Writers and Characters 3 cr
PHIL 290 Special Topics in Philosophy: Feminism in Philosophy 3 cr
THEA/
WGSS 215 LGBTQ Representation on Stage and Screen 3 cr

2. Social Sciences
Approved women’s, gender and sexuality studies courses from sociology, history, international studies, political science, psychology, economics, and business. Examples include:

CRMJ/
WGSS 366 Women, Crime and Criminal Justice 3 cr

HIST/
WGSS 236 Women in Modern Society 3 cr
MGT 446 Global Issues in Management 3 cr

POL/
WGSS 203 Women, Power and Politics 3 cr

PSYC 280/ PSYC 380 Psychology of Gender 3 cr

SOCAL/
WGSS 213 Gender and Society 3 cr

SOCAL/
WGSS 367 LGBTQ Studies 3 cr
SOCAL 374 Women and Work 3 cr

3. Natural Sciences
Approved women’s, gender and sexuality studies courses from biology, chemistry, physics, environmental studies, and exercise science and sport management. Examples include:

BIOS 103 Human Biology 3 cr
HESM 285 Sport in Society 3 cr
HESM 321 Women’s Health Issues 1-4 cr
SOCAL 379 Society and Environment 3 cr
WGSS 250 Women in Science 3 cr

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 or WGSS 499 Independent Study 499 toward the minor. Arrangements for these projects must be made with individual women’s, gender and sexuality studies faculty.
Courses in Women’s, Gender and Sexuality Studies (WGSS)

110 Introduction to Women’s, Gender and Sexuality Studies 3 cr
Prereq: None. Freq: Fall.
Introduces students to 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. Identity is examined as a complex series of intersections that involve race, ethnicity and class, often at a global level.

112 Women in Literature 3 cr
Prereq: None. Freq: Fall, Spring.
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.

203 Women, Power and Politics 3 cr
Prereq: None. Freq: Occasionally.
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 POLS 203.

213 Gender and Society 3 cr
Prereq: None. Freq: Fall, Spring.
Overview of theory and research on gender roles and gender stratification, focusing on political, economic, family and other settings; historical, cross cultural and sub-cultural comparisons. Cross-listed with SOCA 213.

215 LGBTQ Representation on Stage and Screen 3 cr
Prereq: None. Freq: Spring.
Examines the portrayal and representation (or lack of representation) of gender and/or the LGBTQ voice and identity in plays and film during the last century. Explores a number of facets of gender and sexual identity and portrayal through theory and criticism as well as through the plays and films themselves. Field trips to theatrical productions required; additional fees. Cross-listed with THEA 215.

236 Women in Modern Society 3 cr
Prereq: ENGL 101. Freq: Occasionally.
Surveys the social and demographic patterns of pre-industrial society and focuses on the role of women in modern, industrial society. Topics include working-class women, middle class and modernization reform movements, feminism, suffrage, socialism, women in the era of the world wars, the 1950s and the contemporary women’s movement. Cross-listed with HIST 236.

250 Women in Science 3 cr
Prereq: Consent of program director. Freq: Occasionally.
Study of the role of women in science, analysis of the gendered social structure of science and how it is changing, and imagining the future. Course can be taken as an independent study.

290 Special Topics in Women’s, Gender and Sexuality Studies 3 cr
Prereq: None. Freq: Occasionally.
Selected topics in women's, gender and sexuality studies.

315 Communication and Gender 3 cr
Prereq: Core courses or consent of instructor. Freq: Spring.
Examines the role of communication in the construction of gender and the role of gender in the social organization and use of language and communication systems. Cross-listed with COMM 315.

366 Women, Crime and Criminal Justice 3 cr
Prereq: CRMJ 101 or consent of instructor. Freq: Occasionally.
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.

367 LGBTQ Studies 3 cr
Prereq: ANTH 100 or SOCA 101 or WGSS 110. Freq: Occasionally.
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.

390 Special Topics in Women’s, Gender and Sexuality Studies 1-4 cr
Prereq: Varies by topic. Freq: Occasionally.
Selected topics in women’s, gender and sexuality studies.

463 Gender, Race, Class and Sexualities in Media 3 cr
Prereq: Core courses in COMM or consent of instructor. Freq: Fall.
Explores how mediated representations of gender, race, class and sexualities contribute to our cultural identities. Cross-listed with COMM 463.
469  Women as Writers and Characters  
Prereq: ENGL 167, 266. Freq: Occasionally. 
Examines writing by women and depictions of women in literature. May be repeated for credit with different topic. Cross-listed with ENGL 469.

490  Special Topics in Women's Gender and Sexuality Studies  
Prereq: Varies by topic. Freq: Occasionally. 
Selected topics in women’s, gender and sexuality studies.

494  Internship in Women’s, Gender and Sexuality Studies  
Prereq: Consent of instructor and program director. Freq: Fall, Spring, Summer. 
Work experience in a program related environment, or supervised experience in planned projects, that expose 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 3 credits may apply to minor.

495  Women’s, Gender and Sexuality Studies Seminar  
Prereq: WGSS 110 and two other WGSS courses. Freq: Alternate years. 
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.

497  Women’s, Gender and Sexuality Studies Senior Thesis  
Prereq: WGSS 110 and two other WGSS courses; and consent of instructor. Freq: Fall, Spring. 
Independent research and writing of an essay of substantial length under faculty supervision. Agreement of faculty member to undertake supervision is necessary before registration.

499  Independent Study  
Prereq: Consent instructor and program director. Freq: Fall, Spring. 
Individual research projects in women’s, gender and sexuality studies. Maximum of three credits may apply to minor.
GRADUATE PROGRAMS AND POLICIES
UW-PARKSIDE 2017-19 CATALOG
University Governance 262-595-2384

GRADUATE PROGRAMS
UW-Parkside offers graduate degree programs leading to the master of business administration (M.B.A.) degree, the master of science in applied molecular biology (M.S.A.M.B.), the master of science in computer and information systems (M.S.C.I.S.), the master of science in health and wellness management (M.S.H.W.M.), the master of science in sport management (M.S.S.M.) or the master of science in sustainable management (M.S.S.M.G.T.). Additional graduate course work is offered in other fields of study.

The faculty of UW-Parkside has set minimum academic requirements that must be fulfilled by all graduate students. Specific graduate programs may have additional requirements spelled out in greater detail in the description of their programs. This section contains a section on the university-wide graduate study requirements and procedures. Many policies are common to graduate and undergraduate students and may also be listed in the Policies section of this catalog.

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. 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.

**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 credit 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 30 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; the required application fee; and official Statements of Financial Support. Students from other countries whose native language is not English are required to provide evidence of English proficiency. This may be demonstrated by presenting a degree from an English-speaking university, The Test of English as a Foreign Language (TOEFL) or The International English Language Testing Service (IELTS) examination. The minimum required score on the TOEFL is a computer-based score of 213 or Internet-based score of 79; for IELTS the minimum score is a 6.

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 adviser, 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. 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.

GRADUATE POLICIES

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 adviser and filed in the appropriate graduate program office, initiates the final review of the candidate’s records. Students need to apply to graduate with the Office of the Registrar.

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 during the first half of the semester/subscription period. 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.

Beginning with the 8th week through the 11th week of the semester, a student may request permission to drop a course only for extraordinary, non-academic reasons. Before requesting permission to drop, the student should discuss his/her circumstances with the instructor. Any such request must be submitted to the Office of the Registrar no later than the Friday of the 11th week of instruction. 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. The request must include a written explanation of the circumstances.

Requests denied or received after the deadline may be reviewed by 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 competency sets 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 competency sets, 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 adviser 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.

For 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:
• 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;
• recognize the priority of academics and that some courses are experiential in nature, and therefore do 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.

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 state law 36.43, UW-Parkside provides for the reasonable accommodation of a student’s sincerely held religious beliefs with regard to all examinations and other academic requirements and also provides a means by which a student can conveniently and confidentially notify an instructor of potential conflicts.

A student with a conflict between an academic requirement and a religious observance must be given an alternative means of meeting the academic requirement, subject to the following:

a. To be granted an alternative means of meeting an academic requirement, students must notify their instructors, within the first two weeks of class, of specific days or dates of which they will request relief from an academic requirement. (The instructor must treat this information as confidential.)

b. Instructors are not obligated to provide alternate arrangements for an individual before the regularly scheduled event.

c. Instructors may set reasonable limits on the total number of occurrences claimed by any one student.

Absence from classes or examinations 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 Course Numbering System

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

- **010-090** Developmental courses, not for degree credit.
- **100-299** Level I, Lower Division (courses intended for freshmen and sophomores).
- **300-499** Level II, Upper Division (courses intended for juniors and seniors).
- **500-699** Course that carry graduate credit but which can be paired with undergraduate courses.
- **700-799** Master's level graduate courses, 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

<table>
<thead>
<tr>
<th>Total Quality Points</th>
<th>1 cr</th>
<th>2 cr</th>
<th>3 cr</th>
<th>4 cr</th>
<th>5 cr</th>
</tr>
</thead>
<tbody>
<tr>
<td>A Excellent</td>
<td>4.00</td>
<td>8.00</td>
<td>12.00</td>
<td>16.00</td>
<td>20.00</td>
</tr>
<tr>
<td>A-</td>
<td>3.67</td>
<td>7.34</td>
<td>11.01</td>
<td>14.68</td>
<td>18.35</td>
</tr>
<tr>
<td>B+</td>
<td>3.33</td>
<td>6.66</td>
<td>9.99</td>
<td>13.32</td>
<td>16.65</td>
</tr>
<tr>
<td>B Good</td>
<td>3.00</td>
<td>6.00</td>
<td>9.00</td>
<td>12.00</td>
<td>15.00</td>
</tr>
<tr>
<td>B-</td>
<td>2.67</td>
<td>5.34</td>
<td>8.01</td>
<td>10.68</td>
<td>13.35</td>
</tr>
<tr>
<td>C+</td>
<td>2.33</td>
<td>4.66</td>
<td>6.99</td>
<td>9.32</td>
<td>11.65</td>
</tr>
<tr>
<td>C Satisfactory</td>
<td>2.00</td>
<td>4.00</td>
<td>6.00</td>
<td>8.00</td>
<td>10.00</td>
</tr>
<tr>
<td>C-</td>
<td>1.67</td>
<td>3.34</td>
<td>5.01</td>
<td>6.68</td>
<td>8.35</td>
</tr>
<tr>
<td>D+</td>
<td>1.33</td>
<td>2.66</td>
<td>3.99</td>
<td>5.32</td>
<td>6.65</td>
</tr>
<tr>
<td>D Poor</td>
<td>1.00</td>
<td>2.00</td>
<td>3.00</td>
<td>4.00</td>
<td>5.00</td>
</tr>
<tr>
<td>D-</td>
<td>0.67</td>
<td>1.34</td>
<td>2.01</td>
<td>2.68</td>
<td>3.35</td>
</tr>
<tr>
<td>F Failure</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
</tr>
</tbody>
</table>

### 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.

- **AUD** Audit Satisfactory
- **AU-** Audit Unsatisfactory
- **CR** For credit only
- **I** Incomplete (temporary)
- **IX** Incomplete Extended (temporary)
- **IP** In progress
- **NA** Not Attempted (for Flex Option Program Competencies only)
- **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)
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 indicate that a student must complete additional work in order to earn a grade for a class. 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 in a course until near the end of the course 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 course work. The grade of Incomplete must be accompanied by the instructor's description of the course 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 examination. 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 semester. 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 semester following the term in which the Incomplete was assigned.
- 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 may not graduate with an Incomplete on his/her transcript if failure in that course would make the student ineligible to graduate.

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 for the specific competency set. 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 to Flexible Option Program Competency Sets when a student completes part but not all of the competencies required. This grade is permanent but does not count toward degree or calculation of grade point average.

Grade Point Average (GPA)
To make it possible to compute semester/subscription period, and cumulative averages for grades in classes 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.

Academic Warning
Graduate students whose GPA falls below 3.00 for all graduate work attempted in any semester will be given an academic warning at the end of that semester.

Academic Probation
Graduate students who have attempted 6 or more graduate credit hours at UW-Parkside and have a cumulative GPA below 3.00 for all graduate work attempted at UW-Parkside will be placed on academic probation. Students on academic probation whose cumulative GPA rises to 3.00 or higher will be removed from probation. In some cases students may be admitted to a graduate program on probation; these students will be removed from academic probation upon completion of 9 or more graduate credits with a cumulative GPA of 3.00 or higher.

Academic Drop Policy
Graduate students who are on academic probation will be dropped from the university under the following conditions:
1. If they have attempted 9 or more graduate credits at UW-Parkside while on probation and have not raised their cumulative GPA for all graduate work attempted at UW-Parkside to 3.00 or higher.
2. If their GPA for graduate work attempted in any semester (including a summer session) falls below 3.00. However, no students admitted on probation will be dropped until they have attempted at least 9 graduate credits at UW-Parkside, regardless of semester GPA.
3. If their academic performance falls below the requirements of the graduate program in which they are enrolled.
4. Any of the provisions above notwithstanding, students whose cumulative GPA falls below 2.00 will be dropped from the university. This provision does not require that students be on probation initially and does apply to students admitted on probation who have attempted fewer than 9 credits. Students who are dropped from the university may not be readmitted for one year.

Appeals Procedure for Academic Drop
Students who have been dropped from the university may file a written request for a waiver of the period of dismissal with the appropriate graduate program committee. The committee makes a recommendation through its dean to the graduate dean. Students make an appeal to the Academic Actions Committee and are entitled to appear before the committees on their own behalf. Appeals should be based on exceptional circumstances beyond the control of the student. Students who are readmitted on appeal will be placed on academic probation.

Readmission
Students who have been dropped must apply for readmission on the usual graduate application form. Programs may ask these applicants to take an examination such as the GMAT or GRE or furnish 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.
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 Credentials Solutions, Inc. 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. When a hold is on a student’s record when the order is placed, they have 30 days to clear the hold or the transcript request will be purged, requiring the student to submit a new request once the hold has been removed.

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.
MASTER OF BUSINESS ADMINISTRATION

UW-PARKSIDE 2017-19 CATALOG
Molinaro 344 • 262-595-2280

College:
Business, Economics, and Computing

Degree Offered:
Master of Business Administration

Professional Accreditations or Memberships:
The Master of Business Administration program (M.B.A.) 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 M.B.A. Program
The goals of the M.B.A. program are to provide a graduate education that develops students’ knowledge of critical business issues and current management techniques; and prepares these students for advanced management positions and entrepreneurial ventures. The program covers a variety of concepts and analytical tools. It presumes that a manager 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 act to achieve concrete results. The M.B.A. program includes examination of the impact of both domestic and global environments on a firm’s operation.

The 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. The M.B.A. degree is typically completed in one-and-a-half to four years. Students can choose to attend on a full-time or part-time basis. All of the M.B.A. courses are offered in the evenings, in a seven-week format. Class delivery is primarily in the classroom, but there is also an opportunity to take several online courses.

Structure of the Program
The M.B.A. program is structured in three components: foundations, required courses, and electives. The foundations include demonstrated knowledge in fundamentals (through examination or course work). Eight courses, totaling 16 credits, make up the required courses of the M.B.A. program. The elective courses are offered on a rotating basis, and each student’s program must include a minimum of 16 credits of electives.

Foundation Courses
All candidates must have or obtain knowledge of fundamentals in the following areas: accounting, economics, organizational management, computers, mathematics, operations management, finance, and marketing. The UW-Parkside program offers a graduate-level preparatory foundation course in each of these areas. All foundation/prerequisite course work (undergraduate or graduate) must be completed with a grade of C or better. Students waived out of a foundation course are not required to take a course in its place.

<table>
<thead>
<tr>
<th>Foundation Courses</th>
<th>Graduate Courses</th>
<th>Undergraduate Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>College Algebra</td>
<td>MBA 501 Accounting Foundation for Business Decisions</td>
<td>ACCT 201 (3 cr)</td>
</tr>
<tr>
<td>MBA 511</td>
<td>MBA 511 Statistical Analysis Foundations (2 cr)</td>
<td>QM 210 (3 cr)</td>
</tr>
</tbody>
</table>

UW-PARKSIDE 2017-19 CATALOG – 390
Requirements for the Master of Business Administration (32 credits)

A. Required Courses (16 Credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MBA 702</td>
<td>Managerial Accounting</td>
<td>2 cr</td>
</tr>
<tr>
<td>MBA 712</td>
<td>Quantitative Methods</td>
<td>2 cr</td>
</tr>
<tr>
<td>MBA 715</td>
<td>Advanced Operations Management</td>
<td>2 cr</td>
</tr>
<tr>
<td>MBA 716</td>
<td>Project Management</td>
<td>2 cr</td>
</tr>
<tr>
<td>MBA 732</td>
<td>Corporate Financial Management</td>
<td>2 cr</td>
</tr>
<tr>
<td>MBA 741</td>
<td>Contemporary Challenges in Managing Organizations</td>
<td>2 cr</td>
</tr>
<tr>
<td>MBA 752</td>
<td>Marketing Management</td>
<td>2 cr</td>
</tr>
<tr>
<td>MBA 796*</td>
<td>Advanced Strategic Management</td>
<td>2 cr</td>
</tr>
</tbody>
</table>

* MBA 796 should be completed in the last fall or spring semester prior to graduation.

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 M.B.A. adviser.

B. Elective Courses (16 Credits)

All students are required to take a minimum of 16 elective credits. Electives are offered in 1, 2, and 3 credit formats. Some electives are offered on-line through the M.B.A. consortium. Up to 6 credits of electives can be taken as independent studies and internships, with no more than 4 credits in each (see MBA 794 and 799 for more information).

Any M.B.A. course above the 500-level and not listed as a required M.B.A. course can be taken as an elective. The elective course offerings include (but are not limited to):

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MBA 718</td>
<td>Global Supply Chain Management</td>
<td>2 cr</td>
</tr>
<tr>
<td>MBA 725</td>
<td>E-commerce</td>
<td>2 cr</td>
</tr>
<tr>
<td>MBA 726</td>
<td>Globalization and Technology</td>
<td>2 cr</td>
</tr>
<tr>
<td>MBA 727</td>
<td>Business Process Redesign and Improvement</td>
<td>2 cr</td>
</tr>
<tr>
<td>MBA 733</td>
<td>Investments</td>
<td>2 cr</td>
</tr>
<tr>
<td>MBA 738</td>
<td>Investment Portfolio Management</td>
<td>2 cr</td>
</tr>
<tr>
<td>MBA 743</td>
<td>Emotional Intelligence</td>
<td>2 cr</td>
</tr>
<tr>
<td>MBA 744</td>
<td>Management Techniques</td>
<td>2 cr</td>
</tr>
<tr>
<td>MBA 745</td>
<td>Resilience in Organizations</td>
<td>2 cr</td>
</tr>
<tr>
<td>MBA 746</td>
<td>Advanced Global Management</td>
<td>2 cr</td>
</tr>
<tr>
<td>MBA 748</td>
<td>New Venture Formation</td>
<td>2 cr</td>
</tr>
<tr>
<td>MBA 759</td>
<td>Product Management</td>
<td>2 cr</td>
</tr>
<tr>
<td>MBA 786</td>
<td>Strategic Human Resource Management</td>
<td>2 cr</td>
</tr>
</tbody>
</table>

See the course descriptions below for additional information about these courses and descriptions of other M.B.A. electives.
In addition to the courses described in this catalog, additional elective topics are covered through the M.B.A. Consortium and the MBA 790: Special Topics course option. MBA 790 can be repeated for credit with a different topic. Past topics include:

Corporate Social Responsibility
- Fundamentals of Health Information Technology Management
- Managing Technology in Turbulent Times
- Sustainability and Organizational Management
- Business in East Asia
- Market Response Models and Analytics
- Communicating for Success
- Fundamental Methods of Forecasting
- Assurance Services
- Business Process Simulation
- Project Portfolio Management
- Healthcare Finance and Economics
- Selling Ideas at Work

M.B.A. Consortium
In an effort to offer the foundation and elective courses more frequently, a M.B.A. consortium was developed. The participating universities are UW-Parkside, UW-Eau Claire, UW-La Crosse, and UW-Oshkosh. Through this collaborative effort, all of the foundation courses (except algebra) are offered every semester online.

Elective courses are also offered through the consortium. M.B.A. consortium courses taken for elective credit from non UW-Parkside instructors are considered transfer courses and therefore subject to the 12-credit transfer rule (see the Transfer Policy). Eligible courses are identified in the UW-Parkside course schedule. These elective courses will automatically be transferred to UW-Parkside.

See the following website for additional information, http://www.wisconsinonlinemba.org/about/.

Application Procedure
Please check the website for a complete list of admission criteria. 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, sent directly to UW-Parkside;
3. A resume that details your education and work history;
4. Two letters of recommendation;
5. An official GMAT score to be sent directly to UW-Parkside (see the M.B.A. website for GMAT waiver criteria);
6. 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 M.B.A. website for additional information).

All application material can be submitted electronically or mailed to:
M.B.A. Program UW-Parkside
900 Wood Road, Box 2000
Kenosha, WI 53141-2000

Transfer Policy
Graduate-level work completed at other AACSB accredited institutions may be transferred toward the M.B.A. degree at UW-Parkside but 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 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 M.B.A. program director;
• Exceptions to the above transfer policy, including consideration of transfer of credits from non-AACSB
institutions, will be considered by written request to the
M.B.A. program director.

Additional Academic Policies

1. Students delaying entry after admission to the M.B.A. 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 M.B.A. program.

2. Students are required to send a written request indicating their expected date of graduation to the M.B.A.
program director at least two months prior to graduation. In addition, students must apply for graduation
through the Office of the Registrar by the appropriate deadlines.

Graduate Distinction

Students who earn a cumulative graduate grade point average of 3.83 or higher will graduate “with distinction”
from the M.B.A. 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.

Master of Business Administration Courses (MBA)

501 Accounting Foundation for Business Decisions 2 cr
Prereq: Math and computer competency. Freq: Fall, Spring.
A survey of financial and managerial accounting principles, including the preparation and analysis of financial statements,
the use of accounting information in decision making and the acquisition and application of accounting information for
managerial planning and control. Not available to students with credit in ACCT 201.

511 Statistical Analysis Foundations 2 cr
Prereq: MATH 112 and computer competency. Freq: Fall.
Introduction to descriptive, inferential and analytical statistics; techniques covered include sampling, estimation,
hypothesis testing, and simple regression. Not available to students with credit in QM 210.

515 Operations Management Foundation 2 cr
Prereq: MATH 112, MBA 511, and computer competency. Freq: Fall, Spring.
Role of the operations function in an organization including production processes, inventory control, scheduling, project
management, and quality assurance. Application of these principles in manufacturing and service organizations. Not
available to students with credit in QM 319.

521 Management Information Systems in Business 2 cr
Prereq: MBA 501. Freq: Fall, Spring.
The capabilities, limitations, and applications of computer hardware and software with emphasis on the information needs
of management; IS strategic planning, IS project management, database concepts, networking concepts, and
management of the information systems resource. Not available to students with credit in MIS 320.

531 Fundamentals of Managerial Finance 2 cr
Prereq: MBA 501. Freq: Fall, Spring.
An introduction to the role of a financial manager including acquiring funds and directing funds to projects that maximize
value. Topics include budgeting, financial forecasts, cash management, credit administration, funds procurement, and
time value of money. Not available to students with credit in FIN 330.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites</th>
<th>Frequency</th>
</tr>
</thead>
<tbody>
<tr>
<td>541</td>
<td>Organizational Management Foundation</td>
<td>2 cr</td>
<td>None. Freq: Fall, Spring.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>An introduction to issues related to managing organizations; topics include the management environment, the roles of managers, factors that comprise an organization’s architecture, and managing people. Not available to students with credit in MGT 349.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>551</td>
<td>Marketing Analysis Foundation</td>
<td>2 cr</td>
<td>None. Freq: Fall, Spring.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>An overview of marketing and the marketing process as it applies to business and other exchange situations. This course examines how profit and nonprofit organizations identify, research, and evaluate customer needs; select target markets, and create, price distribute, and promote products and services to individuals, organizations, and societies. Not available to students with credit in MKT 350.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>560</td>
<td>Microeconomics Foundation</td>
<td>1 cr</td>
<td>Math competence. Freq: Fall, Spring.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Develops basic principles of microeconomics, focusing on economic concepts and analysis that are useful in decision-making by individuals and firms in markets. Not available to students with credit in ECON 120.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>561</td>
<td>Macroeconomics Foundation</td>
<td>1 cr</td>
<td>Math competence. Freq: Fall, Spring.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Develops basic principles of macroeconomics, focusing on economic aggregates such as national output (gross domestic product), the price level, household consumption, business investment, government spending, International trade, unemployment, fiscal and monetary policies.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>702</td>
<td>Managerial Accounting</td>
<td>2 cr</td>
<td>MBA 501. Freq: Spring.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>An in-depth analysis of 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; topics include responsibility accounting, product costing and project appraisal, standard costs and flexible budgeting, relevant costs for pricing, sales and profit analysis, transfer pricing, and measuring divisional performance.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>In-depth analysis of how financial statements and accompanying footnotes can be used in assessing organization value; emphasis on recent developments in financial reporting and disclosure practices.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>712</td>
<td>Quantitative Methods</td>
<td>2 cr</td>
<td>MATH 112, MBA 511, and computer competency. Freq: Fall.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Advanced inferential and analytical statistical techniques including sampling techniques, analysis of variance, simple and multiple linear regression, time series analysis, and non-parametric procedures.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>713</td>
<td>Decision Analysis</td>
<td>2 cr</td>
<td>MBA 712. Freq: Occasionally.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Analysis of difficult decisions using mathematical modeling and sensitivity analysis; the techniques covered include decision trees, simulation, expected utility and multi-attribute utility.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Reinforces and explores in detail the concepts and techniques of modern operations management. The course uses case studies, simulation, and real life business issues to examine new and emerging trends such as Just-in-Time, Inventory Management, Quality Management, Global Competitiveness, and Sustainability in Operations.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>716</td>
<td>Project Management</td>
<td>2 cr</td>
<td>MBA 501, 511. Freq: Fall.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>The basics of project planning and control, PERT/CRM, work breakdown structure, cost control, matrix organization, resource scheduling and leveling, and outsourcing; project management software will also be introduced.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>718</td>
<td>Global Supply Chain Management</td>
<td>2 cr</td>
<td>MBA 515, 712. Freq: Occasionally.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Basic terminologies, concepts, and state-of-the-art models that are involved in the design, control, and management of supply chain systems. Covers topics such as network planning, inventory management and risk pooling, strategic alliances, ethics, logistics, and sustainability.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>723</td>
<td>IT Tools for Managers</td>
<td>2 cr</td>
<td>MBA 521. Freq: Occasionally.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>The use of IT tools within a management context including data gathering and analysis tools; presentation software; and decision support systems.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Website Development  
**Prereq:** None. **Freq:** Occasionally. 
How organizations use IT resources to implement web strategies; analyze and assess the IT infrastructure used in industries with regard to the organization’s IT ability to engage in e-business; some proficiency in using web technologies to design and develop basic web pages.

E-commerce  
**Prereq:** None. **Freq:** Occasionally. 
E-commerce in general; areas covered include e-commerce technology, developing an e-commerce architecture, business-to-consumer e-commerce, planning for e-commerce, and social implications.

Globalization and Technology  
**Prereq:** None. **Freq:** Occasionally. 
Describes the issues related to international information systems and reviews the possible solutions that lead to successful international applications.

Business Process Redesign and Improvement  
**Prereq:** None. **Freq:** Occasionally. 
Students will identify an organization (or part of an organization) that needs improvement, analyze the current system, investigate possible IT solutions, redesign the current system and propose a plan to move from the “As-Is” system to the “To-Be” system.

Database Systems Development  
**Prereq:** None. **Freq:** Occasionally. 
Database querying, design, creation, developing applications and reports.

Corporate Financial Management  
**Prereq:** MBA 531. **Freq:** Fall. 
The theory and practice of corporate finance; fundamental ideas such as the time value of money and its role in valuation are emphasized; techniques are then applied to major decision areas that face financial managers: cash-flow analysis and capital budgeting, long-term capital financing, capital structure and dividend policy, working capital management financial ratio analysis, and planning and control related to analyzing financial performances.

Investments  
**Prereq:** MBA 531. **Freq:** Occasionally. 
An introduction to financial investments, theoretical and applied valuation techniques, and modern investment portfolio theory; emphasis is on equity and fixed-income securities, although options, futures and other investments are also examined; topics include investment alternatives; organization and functioning of securities markets; efficient market hypothesis; modern portfolio theory; fundamental and technical analysis; bond fundamentals; options, warrants, futures; and investment companies.

International Financial Management  
**Prereq:** MBA 732. **Freq:** Occasionally. 
Introduce and discuss the principals of international finance and foreign exchange risk management for multinational corporations. Topics covered include international flow of funds, foreign exchange rates, currency derivatives, foreign exchange risk, and hedging.

Shareholder Value Management  
**Prereq:** MBA 732. **Freq:** Occasionally. 
Examination of the most popular SVM models in use today, including the free cash-flow method, the economic value added method, and the cash flow return on investment approach; in addition, the course will look at how managers determine the best model for their organizations.

Cash Management  
**Prereq:** MBA 531. **Freq:** Occasionally. 
This course examines current institutional procedures and practices, and analytical models relevant to short-term financial decisions.

Investment Portfolio Management  
**Prereq:** MBA 733. **Freq:** Occasionally. 
This course will deal 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.

Contemporary Challenges in Managing Organizations  
**Prereq:** MBA 541. **Freq:** Spring. 
Traditional theories and contemporary managerial perspectives to optimize organizational effectiveness. Overview of theories and practical applications using case studies, current literature, lecture, group discussion, and projects. Topics include leadership, motivation and performance, decision making and empowerment, organization climate, culture and change, individual human processes, and overall global management.
742 Leadership: Theory, Application, and Skill Development 2cr
Prereq: None. Freq: Occasionally.
Focuses on the demands of organizational leadership and enhances the student’s ability to be a successful leader. Examines theories, strategies, and approaches to leadership. The effect of globalization and the role of ethics on leadership are also explored.

743 Emotional Intelligence 2 cr
Prereq: MBA 541. Freq: Occasionally.
Theory and science behind emotional intelligence, the ability to recognize one’s own feelings, as well as those of others, so as to manage emotions and relationships. Study and application of the component emotional intelligence competencies vital to managing self and others in order to create effective performance and success in the workplace.

744 Management Techniques 2 cr
Prereq: MBA 541. Freq: Occasionally.
This course is designed to improve management skills, including stress management, oral and written communication, team building, leadership, motivating and empowering others, and conflict management.

745 Resilience in Organizations 2 cr
Prereq: MBA 541. Freq: Occasionally.
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 on identifying and supporting strengths.

746 Advanced Global Management 2 cr
Prereq: None. Freq: Occasionally.
Focuses on managing and coordinating diverse workers across national boundaries. Complex international management concepts and issues in the dynamic global business environment will be explored. Case studies and current managerial dilemmas will be analyzed as different cultures, business customs, economic systems, demographic changes, and technological advances are considered.

748 New Venture Formation 2 cr
Prereq: None. Freq: Occasionally.
Explore the process by which entrepreneurs recognize opportunities, plan, and launch new businesses; course involves extensive casework and the development of a start-up business plan as an illustration of principles learned.

749 Seminar on Executive Management 2 cr
Prereq: None. Freq: Occasionally.
Taught by an executive level upper manager. Explores current challenges of executive management and leadership in complex organizations. Subject matter varies depending upon executive teaching the class. May be repeated for credit with approval of M.B.A director.

752 Marketing Management 2 cr
Prereq: MBA 501, 551. Freq: Fall.
Using case analysis, the course focuses on the various kinds of problems in marketing that the modern decision maker must resolve. The interrelationship of marketing and other business functions is emphasized. Decision areas studied include research, product, distribution, pricing and communication within a variety of organizational settings. Topics include buyer behavior, the macro and international environment, organizational goals, and social/ethical implications of marketing decisions.

753 Integrated Marketing Communications 2 cr
Prereq: MBA 551. Freq: Occasionally.
A review of the many aspects of advertising, promotions, and personal selling from the perspective of market management; course content includes development of an integrated-marketing communications program as an illustration of principles learned.

754 Online Market Search 2 cr
Prereq: MBA 551. Freq: Occasionally.
Apply multidisciplinary approach to research a product and market segment of interest. Develop skills in finding, assessing, and using online marketing information.

756 Buyer Behavior 2 cr
Prereq: MBA 551. Freq: Occasionally.
Theoretical and applied research and concepts in buying decision processes are covered pertinent to individuals, households, businesses, and other institutions; discussions relating to development, implementation, and evaluation of marketing strategies, including implications for e-commerce.

757 Sales and Key Account Management 2 cr
Prereq: None. Freq: Yearly.
Reviews theory and best practices related to sales and key account management. Includes discussion of motivation and incentives, selection, recruitment, and major account strategy.
<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>759</td>
<td>Product Management</td>
<td>2 cr</td>
</tr>
<tr>
<td>Prereq: MBA 551. Freq: Occasionally.</td>
<td>An examination of the process of developing new products and services and managing existing offerings in a competitive market environment; includes many real cases as illustrations of principles learned.</td>
<td></td>
</tr>
<tr>
<td>772</td>
<td>Legal Framework and Issues of Business</td>
<td>2 cr</td>
</tr>
<tr>
<td>Prereq: None. Freq: Occasionally.</td>
<td>An examination of the relationship of law to business; examines this relationship from a broad perspective studying the legal impact of all levels of government on all levels of the organization; statutory and case law will be studied in the areas of taxation, antitrust, employment, labor management relations, the environment and consumer protection.</td>
<td></td>
</tr>
<tr>
<td>777</td>
<td>Business Simulation and Modeling</td>
<td>2 cr</td>
</tr>
<tr>
<td>Prereq: MBA 712, QM 210 or CSCI 309 or equivalent; MBA 715 or QM 319 or equivalent. Freq: Spring.</td>
<td>Focuses on modeling the situations that are commonly observed in manufacturing or service industries. Students will learn follow up analysis on simulation results and how to make appropriate business decisions.</td>
<td></td>
</tr>
<tr>
<td>786</td>
<td>Strategic Human Resource Management</td>
<td>2 cr</td>
</tr>
<tr>
<td>Prereq: MBA 541. Freq: Occasionally.</td>
<td>Using human resource management systems to create and sustain competitive advantage; emphasis on an integrative 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.</td>
<td></td>
</tr>
<tr>
<td>787</td>
<td>Staffing Organizations</td>
<td>2 cr</td>
</tr>
<tr>
<td>Prereq: MBA 541, 712. Freq: Occasionally.</td>
<td>Planning for, recruiting, selecting, and retaining an organization’s labor force in the context of the staffing environment (e.g., EEO laws and regulations, the economy and labor markets) using necessary tools (e.g., statistical measurement).</td>
<td></td>
</tr>
<tr>
<td>788</td>
<td>Improving Employee Performance</td>
<td>2 cr</td>
</tr>
<tr>
<td>Prereq: MBA 541. Freq: Occasionally.</td>
<td>Examines performance management methods and applicable motivation theories that managers can apply to encourage employees to maximize their current and future job performance. Emphasis on reinforcement theory to shape work behaviors.</td>
<td></td>
</tr>
<tr>
<td>790</td>
<td>Special Topics</td>
<td>1-3 cr</td>
</tr>
<tr>
<td>Prereq: Dependent on subject matter. Freq: Occasionally.</td>
<td>An elective course dealing with special topics in the functional areas of business; subject varies but may include 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 evaluation and management. See current course schedule. May be repeated with change in topic.</td>
<td></td>
</tr>
<tr>
<td>792</td>
<td>Business Projects</td>
<td>2 cr</td>
</tr>
<tr>
<td>Prereq: MBA 716 or consent of instructor. Freq: Occasionally.</td>
<td>Provides the opportunity for students to conduct a variety of forms of business projects including business plans, marketing plans, marketing research, and start-up plans for a business client. The course is conducted under the auspices of the SEG Center, and uses SEG facilities and project management guidelines. May take the course two times for credit.</td>
<td></td>
</tr>
<tr>
<td>793</td>
<td>Competitive Decision Making</td>
<td>2 cr</td>
</tr>
<tr>
<td>Prereq: MBA 702. Freq: Spring.</td>
<td>An advanced learning experience in business decision making through the use of an online business simulation, performance analysis, final presentations, and class participation. Students will make a series of decisions about R&amp;D, marketing, production, total quality management, human resources, and financial management in an integrated business environment. The focus is mostly decision making for a virtual company with class discussion of results and extensive feedback.</td>
<td></td>
</tr>
<tr>
<td>794</td>
<td>Internship</td>
<td>1-3 cr</td>
</tr>
<tr>
<td>Prereq: Consent of instructor. Freq: Fall, Spring.</td>
<td>Designed to provide 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. A maximum of 4 credits of internship, and total of 6 credits of internship plus independent study, can be applied toward M.B.A. degree completion. Credit/no-credit grading basis.</td>
<td></td>
</tr>
<tr>
<td>796</td>
<td>Advanced Strategic Management</td>
<td>2 cr</td>
</tr>
<tr>
<td>Prereq: Any four of these five courses: MBA 702, 715, 732, 741, and 752. Freq: Fall, Spring.</td>
<td>Focus on strategic management as an essential function for all types of organizations and firms; the study and application of advanced strategic management concepts are emphasized in this capstone course, particularly business-level and corporate-level strategy formulation, implementation, and control.</td>
<td></td>
</tr>
</tbody>
</table>
Independent Study and Research 1-3 cr

Prereq: Consent of instructor and department chair. Freq: Fall, Spring.
Provides the student an opportunity to work on an independent research study or project under the guidance of a faculty member. The topic, required work, and evaluation method are approved by the faculty member supervising the project and the director of the M.B.A. program. A maximum of 4 credits of independent study, and total of 6 credits of internship plus independent study, can be applied toward M.B.A. degree completion.
MASTER OF SCIENCE IN APPLIED MOLECULAR BIOLOGY
UW-PARKSIDE 2017-19 CATALOG
Greenquist 344C • 262-595-2744

College:
Natural and Health Sciences

Degree Offered:
Master of Science

Goals of the Program
The program provides advanced training in the theory and application of molecular biology, in conjunction with supervised independent research culminating in a research thesis. Graduates perform at an advanced technical level in biotechnology and related industries or continue their education in Ph.D. or professional programs.

The faculty of the Master of Science in Applied Molecular Biology Program have active research programs in the following areas: prokaryotic and eukaryotic gene expression, genome organization, gene structure and DNA-protein interaction, microbial pathogenesis, insect genetics and molecular biology, molecular evolution, phylogenetic analysis, reproductive physiology, enzymology, and protein biochemistry.

Course of Study
There are two routes to a master of science degree in applied molecular biology: (a) 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; (b) 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.

Admission Requirements
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 scores.
4. Completed the following courses, or their equivalents:
   - Chemistry: two semesters of general chemistry, two semesters of organic chemistry.
   - Biology: two semesters of introductory biology with laboratory, one semester of genetics, one semester of biochemistry, one semester of molecular biology.
   - Physics: two semesters of physics.
   - Mathematics: one semester of calculus.

Plan B: Combined B.S./M.S. Program
Students in the molecular biology and bioinformatics B.S. program 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. Approval of the Molecular Biology Programs Committee.
Application deadlines
The master of science in applied molecular biology 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 MAMB degree 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*
5. Official transcripts from each undergraduate and post-graduate institution the applicant attended*
6. Curriculum vitaes*
7. Three letters of recommendation* 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.
*Items marked with an asterisk are not required for students completing their B.S. degree at UW-Parkside.

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
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
   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 adviser. Students should contact their adviser 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.
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 adviser at the time of matriculation or at least by the end of the first semester. With the assistance of the adviser, the student will formulate a research problem. The adviser 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 adviser 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 Molecular Biology Programs Committee.

Financial Assistance

Stipends (research assistantships, traineeships) are available to a limited number of students; most cover only part of the cost of attendance.

Requirements for the Master of Science in Applied Molecular Biology (30 credits)

PLAN A: TWO-YEAR GRADUATE PROGRAM

The curriculum is divided into three components: the core, electives and thesis. A minimum of 30 graduate credits (courses numbered 500-799) are required for the degree. Some graduate courses are cross-listed with undergraduate offerings (courses numbered 300-499). These are marked with an asterisk (*) in the list below. Courses taken at the undergraduate level cannot be repeated.

A. Core Courses (7 credits)

Required:
- BIOS 675 Advanced Molecular Biology 3 cr
- BIOS 731 Seminar in Molecular Biology 4 cr

B. Elective Courses (6-8 credits)

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.

Choose two courses:
- BIOS 611 Microbial Physiology and Diversity 3 cr
- BIOS 614 Molecular Evolution* 3 cr
- BIOS 653 Molecular Biology and Bioinformatics of Nucleic Acids* 4 cr
- BIOS 655 Protein Biochemistry and Bioinformatics* 4 cr
- BIOS 690 Advanced Topics in Molecular Biology 1-4 cr
- BIOS 699 Independent Study 3 cr
- CHEM 620 Advanced Biochemistry* 3 cr
C. Thesis Requirement (15-17 credits)

Students are required to complete a research thesis. Students enroll in BIOS 711 for 17 credits or less depending on the number of elective credits. 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.

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 are required; research completed to meet the undergraduate senior thesis requirement may be applied to completion of the M.S. thesis. A minimum of 30 graduate credits (courses numbered 500-799) are required for the degree. Elective course requirements are defined by each student’s thesis committee.

Biology (BIOS) Courses in Applied Molecular Biology

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites</th>
<th>Frequency</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>503</td>
<td>Microbiology</td>
<td>4 cr</td>
<td>BIOS 260 or consent of instructor. Freq: Spring.</td>
<td>Spring</td>
<td>Advanced treatment of the structure, growth and activities of microorganisms including medical microbiology, microbial pathogenesis, and environmental microbiology. Three-hour lecture; three-hour lab.</td>
</tr>
<tr>
<td>509</td>
<td>Molecular Biology</td>
<td>3 cr</td>
<td>BIOS 260, CHEM 322 or consent of instructor. Freq: Spring.</td>
<td>Spring</td>
<td>Regulation of DNA, RNA, and protein synthesis and the control of the synthesis of other macromolecules. Three-hour lecture/discussion.</td>
</tr>
<tr>
<td>611</td>
<td>Microbial Physiology and Diversity</td>
<td>3 cr</td>
<td>BIOS 303 or consent of instructor. Freq: Alternate years.</td>
<td>Alternate years</td>
<td>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.</td>
</tr>
<tr>
<td>614</td>
<td>Molecular Evolution</td>
<td>3 cr</td>
<td>BIOS 309 or 314, or consent of instructor. Freq: Occasionally.</td>
<td>Occasionally</td>
<td>Examines the evolution of nucleic acids and proteins. Considers 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. Cross-listed with BIOS 414.</td>
</tr>
<tr>
<td>645</td>
<td>Experimental Methods in Ecology and Evolution</td>
<td>2 cr</td>
<td>BIOS 101, 102, 260 and consent of instructor. Freq: Fall.</td>
<td>Fall</td>
<td>Provides a capstone experience in applied field and laboratory research. Includes sampling natural and experimental populations and ecological communities coupled with advanced statistical and analytical methods for ecology and evolution. Not open to students with credit in BIOS 445.</td>
</tr>
<tr>
<td>653</td>
<td>Molecular Biology and Bioinformatics of Nucleic Acids</td>
<td>4 cr</td>
<td>BIOS 260, 309, and consent of instructor. Freq: Spring.</td>
<td>Spring</td>
<td>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.</td>
</tr>
<tr>
<td>655</td>
<td>Protein Biochemistry and Bioinformatics</td>
<td>4 cr</td>
<td>BIOS 260, 309, and consent of instructor. Freq: Spring.</td>
<td>Spring</td>
<td>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.</td>
</tr>
<tr>
<td>675</td>
<td>Advanced Molecular Biology</td>
<td>3 cr</td>
<td>BIOS 260, 309 or 509; and consent of instructor. Freq: Alternate years.</td>
<td>Alternate years</td>
<td>In-depth coverage of selected research topics in molecular biology such as DNA replication, transcription, translation, and other current topics. Three-hour lecture.</td>
</tr>
<tr>
<td>690</td>
<td>Advanced Topics in Molecular Biology</td>
<td>1-4 cr</td>
<td>BIOS 260, 309 or 509; and consent of instructor. Freq: Occasionally.</td>
<td>Occasionally</td>
<td>Selected advanced topics in molecular biology.</td>
</tr>
<tr>
<td>699</td>
<td>Independent Study</td>
<td>1-3 cr</td>
<td>Consent of instructor. Freq: Fall, Spring.</td>
<td>Fall, Spring</td>
<td>Advanced study performed under the supervision of a regular faculty member. Suitability as an elective for the master’s of applied molecular biology is determined on a case-by-case basis by the MAMB program committee.</td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
<td>Credits</td>
<td>Prerequisites</td>
<td>Frequency</td>
<td>Description</td>
</tr>
<tr>
<td>------------</td>
<td>--------------------------------------</td>
<td>---------</td>
<td>-------------------------------------------------------------------------------</td>
<td>-------------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>731</td>
<td>Seminar in Molecular Biology</td>
<td>1 cr</td>
<td>BIOS 309 (or 509) and consent of instructor. Freq: Fall, Spring.</td>
<td></td>
<td>Research reports, special topics, and reports from recent literature in molecular biology or biotechnology. Graded on a credit/no-credit basis.</td>
</tr>
</tbody>
</table>

**Chemistry (CHEM) Courses in Applied Molecular Biology**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites</th>
<th>Frequency</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>620</td>
<td>Advanced Biochemistry</td>
<td>3 cr</td>
<td>BIOS 240 or CHEM/BIOS 307 or CHEM 324 or consent of instructor. Freq: Spring (even years).</td>
<td></td>
<td>Advanced topics in biochemistry including thermodynamics, protein structure, and enzyme kinetics and mechanisms. Not open to students with credit in CHEM 410.</td>
</tr>
</tbody>
</table>
MASTER OF SCIENCE IN COMPUTER AND INFORMATION SYSTEMS

UW-PARKSIDE 2017-19 CATALOG
Molinaro 248 • 262-595-2314

College:
Business, Economics, and Computing

Degree offered:
Master of Science

Goals of the Master of Science in Computer and Information Systems Program

The master of science in computer and information systems (MSCIS) program is intended to increase the supply of high quality information technology professionals and to 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 have up-to-date information technology knowledge and skills, and practical experience with information systems development and deployment.

All MSCIS graduates will be able to:

• Participate in the justification, specification, design development, and implementation of modern enterprise systems for an organization, including ERP systems and knowledge management systems.
• Work with computing technology either through:
  • Design, develop, test, and implement software using industry leading practices and/or
  • Design and analyze information technology technical solutions
• Develop a project plan and successfully lead a project team using the project plan.
• Design and implement organizational and IT control mechanisms that lead to a reliable and secure information system.
• Develop long range IT plans including strategic and personnel plans.
• Analyze a problem from a research/modeling perspective.

Requirements for the Master of Science in Computer and Information Systems (30 credits)

To achieve the above 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, 3 additional credits in software development or technology implementation, 2-3 additional credits in information technology management, and 9-10 credit hours in a knowledge area.

Knowledge areas include software development, information technology management, project management, research/modeling methods, and cyber-security. With approval from the MSCIS steering committee, students may also design their own knowledge areas. A thesis option is available for those students who would like to eventually pursue a doctoral degree. The requirements and the classes in each knowledge area are specified below.

A. Prerequisites (0-20 credits, depending on background)

1. Probability statistics (waived with a grade of C or better in an undergraduate or graduate equivalent course)

Choose one course:

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSCI 309</td>
<td>Probability and Statistics</td>
<td>3 cr</td>
</tr>
<tr>
<td>QM 210</td>
<td>Business Statistics I</td>
<td>3 cr</td>
</tr>
</tbody>
</table>
2. **Database management** (waived with a grade of C or better in an undergraduate or graduate equivalent course)
   
   Choose one course:
   - CSCI 380 Database Management Systems 3 cr
   - MIS 328 Database Management Systems 3 cr

3. **Computer systems/data communications** (waived with a grade of C or better in an undergraduate or graduate equivalent course)
   
   Choose one course:
   - CSCI 370 Operating Systems 3 cr
   - CSCI 477 Computer Communications and Networks 3 cr
   - MIS 327 Business Data Communications 3 cr

4. **Accounting** (waived with a grade of C or better in an undergraduate or graduate equivalent course)
   
   ACCT 201 Financial Accounting 3 cr
   
   For most knowledge areas, programming proficiency is a required prerequisite. Programming proficiency depends upon results of a placement exam. Two knowledge areas, IT management and cyber-security, can alternatively be entered via an IT administration course sequence.

5. **Programming Proficiency Requirements**

   A programming proficiency exam is available to determine placement into required prerequisites or to waive the requirement.
   
   CSCI 241 Computer Science I 5 cr
   CSCI 242 Computer Science II 4 cr
   
   Optional entrance for IT Management or Cyber-Security knowledge areas:
   - CSCI 274 UNIX Concepts and Tools 1 cr
   - CSCI 275 UNIX Scripting 1 cr
   - CSCI 435 UNIX System Administration 3 cr

B. **Required Program Core Courses (15 credits)**

   - MBA 716 Project Management 2 cr
   - CIS 721 Enterprise Systems 3 cr
   - CIS 779 Information Systems Security 3 cr
   - CIS 795 Research Methods in CIS 3 cr
   - CIS 798 CIS Seminar 1 cr
   
   Choose one course, depending on knowledge area interest:
   - CIS 725 Information Systems Policy and Strategy 3 cr
   - CIS 774 Modern Software Architectures 3 cr
   
   CIS 774 is required for the following knowledge areas: software development, project management, and research/modeling methods. The IT management and cyber-security knowledge areas may select either CIS 725 or 774.

C. **Knowledge Area Courses (15 credits)**

   MSCIS courses are divided into five knowledge areas: software development, information technology management, information technology project management, cyber-security, and research and modeling methods.

   1. Students must complete at least one additional course in software development and one additional course in information technology management. (5-6 credits)
   
   2. Students must select a knowledge area and complete 9-10 additional credits within that area. Six credits of independent study related to a project or thesis may be used to satisfy this requirement. (9-10 credits)

   A course cannot be used to satisfy the requirements in more than one category. The classes must be approved by the MSCIS advisor. A maximum of two 500-level courses and/or two independent studies courses will be accepted for the graduate degree.
Knowledge Areas:

I. Software Development

- CIS 523 Mobile Development I 3 cr
- CIS 533 Programming Languages 3 cr
- CIS 540 Data Structures and Algorithm Design 3 cr
- CIS 570 Operating Systems 3 cr
- CIS 605 Artificial Intelligence 3 cr
- CIS 620 Computer Graphics 3 cr
- CIS 621 Computer Vision 3 cr
- CIS 622 Multimedia Systems 3 cr
- CIS 623 Mobile Development II 3 cr
- CIS 640 Compiler Design and Implementation 3 cr
- CIS 644 Event-Driven Programming 3 cr
- CIS 674 Networked Applications 3 cr
- CIS 675 Software Engineering – Design 3 cr
- CIS 676 Software Engineering – Project Management 3 cr
- CIS 677 Computer Communication and Networks 3 cr
- CIS 680 Advanced Databases 3 cr
- CIS 745 Web Programming 3 cr

II. Information Technology Management

- CIS 624 Advanced Business Data Communications 3 cr
- CIS 725 Information Systems Policy and Strategy 3 cr
- CIS 678 Network Security 3 cr
- CIS 723 Management of Electronic Commerce 2 cr
- CIS 727 Business Process Redesign and Improvement 2 cr
- MBA 515 Operations Management Foundations 2 cr
- MBA 715 Advanced Operations Management 2 cr

III. Information Technology Project Management

- CIS 625 System Analysis and Design 3 cr
- CIS 641 Advanced Project Management Tools and Techniques 3 cr
- CIS 642 Project Management Simulation 3 cr
- CIS 676 Software Engineering – Project Management 3 cr
- MBA 744 Management Techniques 2 cr

IV. Cyber-Security

- CIS 624 Advanced Business Data Communications 3 cr
- OR
- CIS 677 Computer Communications and Networks 3 cr
- CIS 645 Web Security 3 cr
- CIS 678 Network Security 3 cr
- CIS 690 Special Topics in CIS (related to cyber-security) 3 cr
- CIS 790 Advanced Topics in CIS (related to cyber-security) 3 cr
V. **Research and Modeling Methods** (min. 2 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MBA 712</td>
<td>Quantitative Methods</td>
<td>2 cr</td>
</tr>
<tr>
<td>MBA 713</td>
<td>Decision Analysis</td>
<td>2 cr</td>
</tr>
<tr>
<td>CIS 777</td>
<td>Business Simulation and Modeling</td>
<td>2 cr</td>
</tr>
<tr>
<td>CIS 781</td>
<td>Modeling and Optimization Methods</td>
<td>3 cr</td>
</tr>
<tr>
<td>CIS 690</td>
<td>Special Topics in CIS (related to research or modeling)</td>
<td>3 cr</td>
</tr>
<tr>
<td>CIS 790</td>
<td>Advanced Topics in CIS (related to research or modeling)</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

**Admission Requirements and Application Procedure**

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/](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 (UGPA) of at least 3.0 on a 4.0 scale is required.
3. GRE or GMAT scores sent directly to the Computer Science department office. The GMAT score + 200 times the UGPA must exceed 1000, or the sum of the GRE quantitative and verbal scores must exceed 300 and the analytical writing score must be 4 or higher. The GRE or GMAT can be waived for students with UGPA above 3.2, with excellent recommendations.
4. A resume that details the applicant's education and work history.
5. Two letters of recommendation sent directly to the Admissions Office.
6. International students must also submit a sponsorship form and a 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.
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.

**Grade Point Average Requirement**

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.

**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.

**Transfer Students**

Students may transfer up to 12 credits of graduate work taken at another accredited institution, 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.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>523</td>
<td>Mobile Development I</td>
<td>3</td>
<td>C or better in CSCI 242, or consent of instructor. Freq: Occasionally.</td>
<td>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. Not open to those with credit in CSCI 323.</td>
</tr>
<tr>
<td>533</td>
<td>Programming Languages</td>
<td>3</td>
<td>CSCI 242 and consent of instructor. Freq: Spring.</td>
<td>Introduction to the syntax and semantic issues in programming languages and their effect on language implementation. This includes methods to specify languages, data storage, and the sequence of control in programs. Non-procedural languages, including functional and logic languages, will be examined. Not open to those with credit in CSCI 333.</td>
</tr>
<tr>
<td>540</td>
<td>Data Structures and Algorithm Design</td>
<td>3</td>
<td>CSCI 242 with B or better, or consent of instructor. Freq: Spring.</td>
<td>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.</td>
</tr>
<tr>
<td>570</td>
<td>Operating Systems</td>
<td>3</td>
<td>CSCI 242 with B or better. Freq: Fall.</td>
<td>Operating system concepts, process definition and implementation, deadlock, memory management and protection, distributed system architecture, and case studies. Not open to those with credit in CSCI 370.</td>
</tr>
<tr>
<td>605</td>
<td>Artificial Intelligence</td>
<td>3</td>
<td>CSCI 333 or CIS 533 or consent of instructor. Freq: Occasionally.</td>
<td>Introduction to Artificial Intelligence (AI) techniques that include search, game playing, and knowledge representation. Specific sub-disciplines 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.</td>
</tr>
<tr>
<td>609</td>
<td>Human-Computer Interfaces</td>
<td>3</td>
<td>Consent of instructor. Freq: Occasionally.</td>
<td>A survey of the field of human-computer interaction including the user interface development process, human memory, perception, and motor abilities as they relate to user interface design. Qualitative overview of descriptive and inferential statistics. Students design a low-tech prototype of a user interface (user and task analysis, design and evaluation). Not open to those with credit in CSCI 409.</td>
</tr>
<tr>
<td>620</td>
<td>Computer Graphics</td>
<td>3</td>
<td>CSCI 340 or CIS 540 or consent of instructor. Freq: Occasionally.</td>
<td>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.</td>
</tr>
<tr>
<td>621</td>
<td>Computer Vision</td>
<td>3</td>
<td>CSCI 340 or 333; or CIS 540 or 533. Freq: Occasionally.</td>
<td>Review of 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. Not open to those with credit in CSCI 421.</td>
</tr>
<tr>
<td>622</td>
<td>Multimedia Systems</td>
<td>3</td>
<td>Consent of instructor. Freq: Occasionally.</td>
<td>Principles and design of multimedia systems; implementation of multimedia algorithms; current multimedia technologies. Not open to those with credit in CSCI 422.</td>
</tr>
<tr>
<td>623</td>
<td>Mobile Development II</td>
<td>3</td>
<td>C or better in CSCI 323 or CIS 523; or consent of instructor. Freq: Occasionally.</td>
<td>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. Not open to those with credit in CSCI 423.</td>
</tr>
<tr>
<td>624</td>
<td>Advanced Business Data Communications</td>
<td>3</td>
<td>MIS 327 or CSCI 477. Freq: Fall.</td>
<td>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. This course may be offered online.</td>
</tr>
</tbody>
</table>
625 System Analysis and Design 3 cr
Prereq: MIS 328 or CSCI 380. Freq: Spring.
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. This course may be offered online.

635 UNIX System Administration 3 cr
Prereq: CSCI 275 with a grade of C or better. Freq: Spring.
Covers UNIX 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 UNIX with other operating systems. Two-hour lecture; two-hour lab. Not open to those with credit in CSCI 435.

640 Compiler Design and Implementation 3 cr
Prereq: CSCI 333 or CIS 533. Freq: Occasionally.
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. Not open to those with credit in CSCI 440.

641 Advanced Project Management Tools and Techniques 3 cr
Prereq: PMGT 341 or MBA 716 or CIS 676. Freq: Yearly.
Covers advanced tools and technologies of project management, including Microsoft Project, Microsoft Excel, Work Breakdown Structure (WBS), budgeting a project, scheduling a project using PERT/CPM, allocating scare 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.

642 Project Management Simulation 3 cr
Prereq: PMGT 341 or MBA 716 or CIS 676. Freq: Yearly.
Topics include project scheduling, risk analysis, earned value and teamwork. 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. Not open to those with credit in PMGT 442.

644 Event-Driven Programming 3 cr
Prereq: CSCI 370 or CIS 570 or consent of instructor. Freq: Occasionally.
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.

645 Web Security 3 cr
Prereq: MIS 327 and MIS 328 or CSCI 242. Freq: Occasionally.
Vulnerabilities of web languages, interfaces, servers and databases. Identifying and avoiding vulnerabilities with shopping carts, HTTP/HTTPS and the URL. Detecting and preventing hacking techniques such as cyber graffiti, e-shoplifting, impersonation, buffer overflows and cross-site scripting. Not open to those with credit in CSCI 445.

674 Networked Applications 3 cr
Prereq: C or better in CSCI 423 or CIS 623, or consent of instructor. Freq: Fall.
Explores server-side application programming concepts. Topics include server architectures, communication protocols, relational databases and database connectivity, dynamic content delivery and communication security. Not open to those with credit in CSCI 424

675 Software Engineering-Design 3 cr
Prereq: CSCI 242 with B or better, or consent of instructor. Freq: Fall.
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.

676 Software Engineering-Project Management 3 cr
Prereq: CIS 625 or 675. Freq: Spring.
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.

677 Computer Communications and Networks 3 cr
Prereq: B or better in CSCI 242 or CIS 570, or consent of instructor. Freq: Occasionally.
Transmission protocols, layered network protocols, network topology, message routing, performance analysis, security, and case studies. Not open to those with credit in CSCI 477.
678  **Network Security**  3 cr  
*Prereq: MIS 327 or CSCI 370 or 435. Freq: Occasionally.*
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.

680  **Advanced Databases**  3 cr  
*Prereq: MIS 328 or CSCI 380. Freq: Occasionally.*
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. Not open to those with credit in CSCI 480.

690  **Special Topics in CIS**  3 cr  
*Prereq: Consent of instructor. Freq: Spring.*
In-depth study of new and/or special-interest subject areas within the discipline. Subject selection will vary from offering to offering.

721  **Enterprise Systems**  3 cr  
*Prereq: Consent of instructor. Freq: Fall.*
Explores common enterprise systems that are used across organizations including enterprise resource planning systems, customer relationship management systems, and knowledge management. Include technical architecture of integrated systems and relationships to the organization’s business processes.

723  **Management of Electronic Commerce**  2 cr  
*Prereq: Consent of instructor. Freq: Occasionally.*
Electronic commerce (e-commerce) technology, developing an e-commerce architecture, business-to-consumer and business-to-business e-commerce, e-commerce planning, and social implications.

725  **Information Systems Policy and Strategy**  3 cr  
*Prereq: Consent of instructor. Freq: Fall.*
The management of Information Technology (IT) and Information Systems (IS) from the perspective of upper management, covering IT strategic planning, IS organizational structures, human resource planning, and control structures. Cases, executive presentations, and project work included.

727  **Business Process Redesign and Improvement**  2 cr  
*Prereq: Consent of instructor. Freq: Occasionally.*
Cost reduction, service improvements, supply chain management, and time-to-product speedups through information technology; business process improvement (BPI) methodologies; analysis, modeling, and redesign of a system. Case studies and projects included.

745  **Web Programming**  3 cr  
*Prereq: MIS 328 or CSCI 480. Freq: Spring.*
Essentials of developing and deploying robust applications for the World Wide Web, including client-side markup languages and scripting, applets, client/server communication, server-side applications, database connectivity, distributed components, and multi-tiered architectures.

774  **Modern Software Architectures**  3 cr  
*Prereq: Consent of instructor. Freq: Fall.*
Study of a variety of software architectures including: client-server, thin client, multi-tiered, distributed and parallel systems. Developing programs in each.

777  **Business Simulation and Modeling**  2 cr  
*Prereq: MBA 712, QM 210 or CSCI 309 or equivalent; MBA 715 or QM 319 or equivalent. Freq: Spring.*
Focuses on modeling the situations that are commonly observed in manufacturing or service industries. Students will learn follow up analysis on simulation results and how to make appropriate business decisions.

779  **Information Systems Security**  3 cr  
*Prereq: Either CSCI 380 or MIS 328. Freq: Spring.*
Introduction to information systems security; considers technical, administrative, and physical aspects of IT security; topics include fraud, risk, information protection, business continuity, network security, auditing, and security planning and governance.

781  **Modeling and Optimization Methods**  3 cr  
*Prereq: Graduate standing. Freq: Occasionally.*
Introduction to simulation, optimization and other types of models used to support organizational decisions. Multiple languages, tools, and techniques are explored.

790  **Advanced Topics in CIS**  3 cr  
*Prereq: Consent of instructor. Freq: Spring.*
In-depth study of new and/or special-interest subject areas within the discipline. Subject selection will vary from offering to offering.
793 **Internship in Computer Information Systems** 1-2 cr  
*Prereq: Consent of instructor. Freq: Fall, Spring, Summer.*  
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. A student may register and receive credit in this course for a maximum of 6 credits.

795 **Research Methods in CIS** 3 cr  
*Prereq: A minimum of 6 credits in CIS courses. Freq: Occasionally.*  
Explores research methods used in the computer and information systems discipline including quantitative and qualitative methods. Reviews current research in CIS.

796 **CIS Project** 1 cr  
*Prereq: Consent of instructor. Freq: Occasionally.*  
Completion of a CIS project in conjunction with another 600- or 700-level CIS course; includes project documentation and oral and written reports.

797 **CIS Thesis** 1-4 cr  
*Prereq: Consent of instructor. Freq: Fall, Spring, Summer.*  
Student conducts research under the direction of a faculty member and produces a master's level thesis in a CIS subject. For students ultimately interested in pursuing doctoral studies.

798 **CIS Seminar** 1 cr  
*Prereq: Consent of instructor. Freq: Spring.*  
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.

799 **Independent Study** 1-4 cr  
*Prereq: Consent of instructor. Freq: Fall, Spring.*  
Independent work on a specific problem in CIS under the supervision of faculty.
MASTER OF SCIENCE IN HEALTH AND WELLNESS MANAGEMENT
UW-PARKSIDE 2017-19 CATALOG

College:
Natural and Health Sciences

Degree Offered:
Master of Science

Program Overview
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.

Goals of the Program
This program is designed to increase the student’s knowledge of the fundamentals of health and wellness and learn next-level program management skills. Upon completion of the M.S. Health and Wellness Management program students will be able to integrate health informatics, information technology, and communication strategies in the design, implementation and evaluation of programs. Additionally, students will demonstrate familiarity with best practices in behavior change facilitation, understand ethical and legal issues relevant to health policy and wellness management. Finally, students will recognize and know how to analyze the interrelations among health providers and key stakeholders including understanding how these relationships influence health care systems.

Admission to the Master of Science in Health and Wellness Management
All applicants will need to demonstrate that they have taken the following prerequisite courses.
Program Prerequisites:
• Personal Health or Equivalent
• Anatomy and Physiology or Human Biology or Equivalent
• Intro to Psychology or Equivalent
• Elementary Statistics or Equivalent

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 perquisite that will allow a student to take a HWM course. Please contact the Academic Director, Dr. Penny Lyter at lyter@uwp.edu for more information.
• A personal statement of not more than 1,000 words describing your reasons for pursing 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.
Requirements for the Master of Science in Health and Wellness Management (36 credits)

To graduate with a Master of Science in Health and Wellness Management students must satisfy all degree requirements.

Required Courses (36 credits):

HWM 700 Contemporary Health and Wellness Perspectives 3 cr
HWM 705 Strategic Management for Wellness Managers 3 cr
HWM 710 Research Methods for Wellness Programs 3 cr
HWM 715 Persuasion Skills for Wellness Managers 3 cr
HWM 720 Exercise and Nutrition in Health and Disease 3 cr
HWM 730 Biopsychosocial Aspects of Health 3 cr
HWM 740 Health Systems and Policy for Wellness Managers 3 cr
HWM 750 Planning and Evaluation for Wellness Managers 3 cr
HWM 760 Wellness Law 3 cr
HWM 770 Behavior and Development in Organizations 3 cr
HWM 780 Best Practices and Emerging Issues in Wellness 3 cr
HWM 790 Health and Wellness Management Capstone Experience Course 3 cr

Courses in Health and Wellness Management (HWM)

700 Contemporary Health and Wellness Perspectives 3 cr
Prereq: None. Freq: Occasionally.
In this course, students will examine health and wellness concepts and probe foundational thinking associated with the contemporary health and wellness field. Expectations and development of the wellness professional will be explored.

705 Strategic Management for Wellness Managers 3 cr
Prereq: None. Freq: Occasionally.
This course introduces students to management concepts to create strategic direction and the role of leadership in setting strategy capable of meeting competitive challenges within the wellness industry. Topics include key management theories; role of stakeholders; issue identification; program evaluation; and business plan development.

710 Research Methods for Wellness Programs 3 cr
Prereq: None. Freq: Occasionally.
This course covers research methods and designs relevant to wellness program managers. Students will be introduced to various research designs including experimental and nonexperimental, as well as quantitative and qualitative research methods. The course will focus on providing a practical understanding of several statistical tools used in wellness-related research.

715 Persuasion Skills for Wellness Managers 3 cr
Prereq: None. Freq: Occasionally.
In this course, students will develop communication and persuasion skills, which are essential for wellness managers. Utilizing a variety of media and techniques, students will hone their communication skills. Students will apply key marketing concepts to mount effective marketing campaigns for their organization.

720 Exercise and Nutrition in Health and Disease 3 cr
Prereq: None. Freq: Occasionally.
This course introduces students to the roles that physical activity and nutritional practices play in the prevention, management, and treatment of chronic diseases and conditions such as obesity, cardiovascular disease, cancer, diabetes, COPD, arthritis, depression and anxiety.

730 Biopsychosocial Aspects of Health 3 cr
Prereq: None. Freq: Occasionally.
This course is a survey of biological, psychological and social-environmental aspects of wellness. Taking an applied focus, students will learn current theoretical and evidenced-based approaches in psychology, integrative medicine, and behavioral economics that impact wellness.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites</th>
<th>Frequency</th>
</tr>
</thead>
<tbody>
<tr>
<td>740</td>
<td>Health Systems and Policy for Wellness Managers</td>
<td>3 cr</td>
<td>None.</td>
<td>Occasionally.</td>
</tr>
<tr>
<td></td>
<td>This course provides information pertaining to the US Health Care system with emphasis on health and wellness. It provides an overview of the major public and private stakeholders including public health, insurance, and health care providers. Participants will examine how health policy impacts the design and financing of wellness programs.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>750</td>
<td>Planning and Evaluation for Wellness Managers</td>
<td>3 cr</td>
<td>HWM 705, 710.</td>
<td>Occasionally.</td>
</tr>
<tr>
<td></td>
<td>This purpose of this course is to examine planning and evaluation as inter-related, cyclical activities. Students will examine major activities and processes involved in planning and evaluating wellness programs.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>760</td>
<td>Wellness Law</td>
<td>3 cr</td>
<td>None.</td>
<td>Occasionally.</td>
</tr>
<tr>
<td></td>
<td>This course introduces students to the legal and ethical environment of wellness management. Topics include the Affordable Care Act, Americans with Disabilities Act and HIPAA. Students will learn effective negotiation skills that can be used when dealing with contracts and vendors.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>770</td>
<td>Behavior and Development in Organizations</td>
<td>3 cr</td>
<td>None.</td>
<td>Occasionally.</td>
</tr>
<tr>
<td></td>
<td>In this course, students will study organizations, their members and why people and groups behave as they do. Processes and methods that improve behavior, effectiveness, and efficiency in organizational settings will be examined. The course will also cover various methods for assessing organizational behavior and change.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>In this course, students will study emerging trends, innovations, and best practices in the health and wellness industry with emphasis on preventative health care. Students will investigate major health challenges, programs, and policies to determine the influence of social, economic, multicultural, and global pressures on successful wellness practices.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>790</td>
<td>Health and Wellness Management Capstone Course</td>
<td>3 cr</td>
<td>HWM 780.</td>
<td>Occasionally.</td>
</tr>
<tr>
<td></td>
<td>This course provides a cohesive experience designed to synthesize and apply information from the MS HWM curricula. Students complete an individual capstone experience that demonstrates thorough understanding of the knowledge, skills and disposition necessary to be a successful health and wellness manager.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
MASTER OF SCIENCE IN SPORT MANAGEMENT
UW-PARKSIDE 2017-19 CATALOG
Sports and Activity Center L150 • 262-595-2308

College:
Natural and Health Sciences

Degree Offered:
Master of Science in Sport Management

Goals of the Program
In a 2010 survey regarding the size of the sports industry, Street & Smith’s Sports Business Journal (SBJ) stated that the sports industry is “one of the largest and fastest growing industries in the United States” with a size of $213 billion. According to SBJ, approximately $23 billion was spent on operating expenses alone at all levels of sport. Spectator spending exceeded $26 billion according to the same publication. The publication goes on to state 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. Simply stated, the overall goal of the Master of Science in Sport Management degree program is to provide the industry with graduates that possess the tools and skills necessary to succeed in today’s ultra-competitive 21st century sports business environment.

Program Overview
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 designed with timing flexibility in mind which should allow students to complete it on their own terms/timetable. 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 reasonably aggressive with credit load 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 currently in place on the UW-Parkside campus.

Student Learning Outcomes
The HESM Department has identified three key core competencies and outcomes that students will develop as a result of completing the Master of Science in Sport Management degree program.

Competency A: 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

Competency B: 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

Competency C: 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

Admission Requirements for the Master of Science in Sport Management
Students with a minimum 3.0 overall grade point average and an undergraduate degree in sport management/administration or a business-related major will be given preference for admission.

Application 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:
1. A completed online application form;
2. A non-refundable application fee;
3. Official transcripts from all undergraduate and post-graduate institution attended by the applicant;
4. At least three letters of recommendation (at least one letter must be from an academic reference and at least one letter must be from a professional reference); and
5. A statement of academic interests including the applicant’s professional goals.

No graduate exam scores will be required. However, prospective students can submit relevant graduate exam scores as part of the admission process if they choose to do so. Writing samples may be requested and used toward an admissions 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, winterim, spring and summer.

International Student Application 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
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.

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 (33 credits)

To graduate with a master of science in sport management degree, students must satisfy each of the following three requirements and achieve an overall grade point average of 3.0 or better:

A. Required Courses (21 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HESM 700</td>
<td>Sports Research and Analysis Methodology</td>
<td>3 cr</td>
</tr>
<tr>
<td>HESM 701</td>
<td>Amateur Sports Governance and Administration</td>
<td>3 cr</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HESM 702</td>
<td>Professional Sports Governance and Administration</td>
<td>3 cr</td>
</tr>
<tr>
<td>HESM 710</td>
<td>Sports Law</td>
<td>3 cr</td>
</tr>
<tr>
<td>HESM 711</td>
<td>Ethical Issues and Leadership in Sports</td>
<td>3 cr</td>
</tr>
<tr>
<td>HESM 712</td>
<td>Social and International Issues in 21st Century Sports</td>
<td>3 cr</td>
</tr>
<tr>
<td>HESM 720</td>
<td>Revenue Generation and Sales in Sports Organizations</td>
<td>3 cr</td>
</tr>
<tr>
<td>HESM 721</td>
<td>Financial Management for Sports Organizations</td>
<td>3 cr</td>
</tr>
</tbody>
</table>
B. Elective Courses (6 credits)
Choose two:
- HESM 539 Sustainable Sports Management  3 cr
- HESM 560 Sports Communications   3 cr
- HESM 656 Athletic Fundraising   3 cr
- HESM 658 Sports Analytics   3 cr
- HESM 722 Sports Facility & Event Management  3 cr
- HESM 789 Special Topics in Sport Management  3 cr
- HESM 794 Sports Management Internship  3 cr
- HESM 799 Independent Study    3 cr

C. Completion Options - Non-Thesis or Thesis (6 credits)
Choose one option:
1. **Non-Thesis Option (6 credits)**
   - HESM 791 Current Issues in Sport Management Seminar   3 cr
   - HESM 792 Sport Management Practicum and Portfolio   3 cr
2. **Thesis Option (6 credits)**
   - HESM 798 Thesis in Sport Management  6 cr

**Master of Science in Sport Management Courses (HESM)**

539 Sustainable Sport Management  3 cr  
*Prereq: None. Freq: Spring (even years).*  
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 credit to those with credit in HESM 339.

560 Sports Communications   3 cr  
*Prereq: None. Freq: Yearly.*  
Examines how sports organizations interact with the media and fans/ customers through various forms of electronic and social media. Activities include studying basic fundamentals and completing various exercises designed to give hands-on experiences in the areas of social media, media relations and public relations in the context of sport organizations. Not open to credit to those with credit in HESM 360.

656 Athletic Fundraising   3 cr  
*Prereq: None. Freq: Yearly.*  
Examines the development of successful fundraising programs in interscholastic and intercollegiate athletic programs. Not open to credit to those with credit in HESM 456.

658 Sport Analytics   3 cr  
*Prereq: None. Freq: Yearly.*  
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 credit to those with credit in HESM 458.

700 Sports Research and Analysis Methodology   3 cr  
*Prereq: None. Freq: Yearly.*  
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. Discusses practical applications of research.

701 Amateur Sports Governance and Administration   3 cr  
*Prereq: None. Freq: Yearly.*  
Explores the managerial activities essential to amateur sports administration. Examines the structure and function of amateur sport organizations and how individual sport organizations fit into the greater sport industry. Focuses on high school and intercollegiate athletics.

702 Professional Sports Governance and Administration   3 cr  
*Prereq: None. Freq: Yearly.*  
Explores the managerial activities essential to governance and policy development in professional sport and reviews the structure and function of these organizations. Demonstrates where the power lies in an organization or industry segment and how individual sport organizations fit into the greater sport industry.
710 **Sports Law**  
*Prereq: None. Freq: Yearly.*  
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.

711 **Ethical Issues and Leadership in Sports**  
*Prereq: None. Freq: Yearly.*  
Introduces student to various leadership theories and ethical considerations in sport. Examines what it is to be a leader and how to consider different ethical issues when leading a sport organization including topics in human resources and effective management.

712 **Social and International Issues in 21st Century Sports**  
*Prereq: None. Freq: Yearly.*  
Introduces sociological concepts within sport. Examines society on a global scale and how the global society impacts sport. Focuses on current social issues within global sport.

720 **Revenue Generation and Sales in Sports Organizations**  
*Prereq: None. Freq: Yearly.*  
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. Includes case studies, projects, presentations and hands-on negotiation exercise.

721 **Financial Management for Sports Organizations**  
*Prereq: None. Freq: Yearly.*  
Studies budgeting and financial reporting for sports organizations. Explores methods of financing for both sports organizations and sports facilities. Includes case studies, projects, presentations and hands-on negotiation exercises.

722 **Sports Facility & Event Management**  
*Prereq: None. Freq: Yearly.*  
Studies 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.

789 **Special Topics in Sport Management**  
*Prereq: Varies by Topic. Freq: Occasionally.*  
Select topics in sport management will be examined. Course may be repeated for credit provided different topics are offered.

791 **Current Issues in Sport Management Seminar**  
*Prereq: Approval of Instructor and Advisor. Freq: Fall, Spring.*  
Provides knowledge of current and ongoing issues in the sport management industry. Discusses and analyzing current topics preparing student to face these issues in the real world as a sport manager.

792 **Sport Management Practicum and Portfolio**  
*Prereq: Approval of Instructor and Advisor. Freq: Fall, Spring, Summer.*  
Develops professional skills through supervised work in the field of sport management. Applies learned knowledge and enhances experience and skills in a practical and relevant setting while completing a project with both faculty and site supervisors.

794 **Sports Management Internship**  
*Prereq: Consent of Instructor and Department Chair. Freq: Fall, Spring, Summer.*  
Develops professional skills through supervised work in the field of sport management. Applies learned knowledge and enhances experience and skills in a practical and relevant setting.

798 **Thesis in Sport Management**  
*Prereq: Approval of Instructor and Advisor. Freq: Occasionally.*  
Provides the culminating experience through the completion of a master's thesis in sport management by reviewing existing research and conducting original, independent research. Course may be repeated for credit.

799 **Independent Study**  
*Prereq: Approval of Instructor and Department Chair. Freq: Fall, Spring, Summer.*  
Includes independent work in specific areas under the supervision of a department faculty member. Course may be repeated for credit.
MASTER OF SCIENCE IN SUSTAINABLE MANAGEMENT

UW-PARKSIDE 2017-19 CATALOG
Greenquist 342 • 262-595-2980

College:
Natural and Health Sciences

Degree offered:
Master of Science

Program Overview
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.

Goals of the Program
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.

Admission to the Master of Science in Sustainable Management
Students seeking admission to the M.S. in Sustainable Management program requires:

- 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.
Requirements for the Master of Science in Sustainable Management (34 credits)

To graduate with a master of science in sustainable management students must satisfy all degree requirements for their home institutions.

A. Required Core Courses (24 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SMGT 700</td>
<td>Cultural and Historical Foundations of Sustainability</td>
<td>3 cr</td>
</tr>
<tr>
<td>SMGT 710</td>
<td>The Natural Environment</td>
<td>3 cr</td>
</tr>
<tr>
<td>SMGT 720</td>
<td>Applied Research and the Triple Bottom Line</td>
<td>3 cr</td>
</tr>
<tr>
<td>SMGT 730</td>
<td>Policy, Law, and the Ethics of Sustainability</td>
<td>3 cr</td>
</tr>
<tr>
<td>SMGT 740</td>
<td>Economics of Sustainability</td>
<td>3 cr</td>
</tr>
<tr>
<td>SMGT 750</td>
<td>The Built Environment</td>
<td>3 cr</td>
</tr>
<tr>
<td>SMGT 760</td>
<td>Geopolitical Systems-Decision Making for Sustainability on the Local, State, and National Level</td>
<td>3 cr</td>
</tr>
<tr>
<td>SMGT 770</td>
<td>Leading Sustainable Organizations</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

B. Specialty Track Courses (6 credits)

Choose two courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SMGT 780</td>
<td>Corporate and Social Responsibility</td>
<td>3 cr</td>
</tr>
<tr>
<td>SMGT 782</td>
<td>Supply Chain Management</td>
<td>3 cr</td>
</tr>
<tr>
<td>SMGT 784</td>
<td>Sustainable Water Management</td>
<td>3 cr</td>
</tr>
<tr>
<td>SMGT 785</td>
<td>Waste Management and Resource Recovery</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

C. Required Capstone Experience Courses (4 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SMGT 790</td>
<td>Capstone Preparation Course</td>
<td>1 cr</td>
</tr>
<tr>
<td>SMGT 792</td>
<td>Capstone Project</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

Courses in Sustainable Management (SMGT)

700  Cultural and Historical Foundations of Sustainability  3 cr

*Prereq: Consent of program adviser. Freq: Fall, Spring, Summer.*

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.

710  The Natural Environment  3 cr

*Prereq: Consent of program adviser. Freq: Fall, Spring, Summer.*

Natural cycles, climate, water, energy, biosystems, ecosystems, the role of humans in the biosphere; human impacts on natural systems. The carbon cycle as a unifying theme. Specific topics to be studied include: disturbance pollution and toxicity, carrying capacity, and natural capital. Use of case studies.

720  Applied Research and the Triple Bottom Line  3 cr

*Prereq: Consent of program adviser. Freq: Fall, Spring, Summer.*

Document and project internal and external costs resulting from the inseparability of the natural, social, and economic environments. Assess sustainability issues using basic modeling techniques; cause and effect, root cause analysis, regression analysis, and business scenario–based cases.

730  Policy, Law, and the Ethics of Sustainability  3 cr

*Prereq: Consent of program adviser. Freq: Fall, Spring, Summer.*

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 the Army Corps of Engineers and Department of Interior, in building a more just, prosperous, and secure environmental common future.
740  **Economics of Sustainability** 3 cr  
*Prereq: Consent of program adviser. Freq: Fall, Spring, Summer.*  
Understand the economy as a component of the ecosystem within which it resides, with natural capital added to the typical analysis of human, social, built, and financial capital. Explore 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 food economy.

750  **The Built Environment** 3 cr  
*Prereq: Consent of program adviser. Freq: Fall, Spring, Summer.*  
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.

760  **Geopolitical Systems-Decision Making for Sustainability on the Local, State, and National Level** 3 cr  
*Prereq: Consent of program adviser. Freq: Fall, Spring, Summer.*  
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.

770  **Leading Sustainable Organizations** 3 cr  
*Prereq: Consent of program adviser. Freq: Fall, Spring, Summer.*  
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, stakeholder management and situational leadership styles and behaviors. Focuses on how organizational leaders develop and enable sustainable organizations, especially in times of environmental change.

780  **Corporate and Social Responsibility** 3 cr  
*Prereq: Consent of program adviser. Freq: Fall, Spring, Summer.*  
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.

782  **Supply Chain Management** 3 cr  
*Prereq: Consent of program adviser. Freq: Fall, Spring, Summer.*  
Planning, organizing and controlling the organization’s supply chain is examined in context of the triple bottom line. Total cost analyses or product and process life cycles are considered in the context of strategy and operations. Topics include: sourcing, operations, distribution, reverse logistics and service supply 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.

784  **Sustainable Water Management** 3 cr  
*Prereq: Consent of program adviser. Freq: Fall, Spring, Summer.*  
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.

785  **Waste Management and Resource Recovery** 3 cr  
*Prereq: Consent of program adviser. Freq: Fall, Spring, Summer.*  
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. Additional topics will include producer responsibility, design for environment and life cycle analysis.

790  **Capstone Preparation Course** 1 cr  
*Prereq: Consent of program adviser. Freq: Fall, Spring, Summer.*  
Research, data analysis, scholarly inquiry resulting in project proposal.

792  **Capstone Project** 3 cr  
*Prereq: Consent of program adviser. Freq: Fall, Spring, Summer.*  
Completion of approved project utilizing concepts from coursework.
795  Special Topics in Sustainable Management  3 cr
Prereq: Consent of program adviser. Freq: Fall, Spring, Summer.
Various specialized areas in sustainable management will be examined. May be repeated for credit with different topic