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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, 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.
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

Campus Technology Services, providing computer services including the help desk, test scoring and course evaluations,
desktop support, and infrastructure services, is located here.

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, and an
eight-lane swimming pool.

Outdoors is an all-weather 400-meter track, the Wood Road soccer fields, the Red Oberbrunner 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 Student Life, 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 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 registered nurse, 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 Registrar’s Office/Student Records, Cashier’s, and Financial Aid and Scholarships offices; the Office of Multicultural Student Affairs; the LGBTQ Center, and the Parkside Academic Resource Center.

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.

**Residence Halls**
Located in close proximity to the Student Center, three residence halls accommodate more than 1,000 students.

Ranger Hall, a traditional-style, 401-bed facility opened in 1997.

The University Apartments opened in 1986 and houses 371 students in apartments for up to seven persons.

Pike River Suites, a suite-style residence hall with a capacity of 250 students opened in 2009.
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. Academic factors will continue to be of primary importance in the comprehensive review. These factors include, but are not limited to, the quality and rigor of the high school course work, grade point average, class rank, and trend in grades. ACT/SAT scores will be used to provide additional insight about an applicant’s academic qualifications.

In addition to the academic background and qualifications of applicants, nonacademic factors will also be considered. These factors may include but are not limited to, student experiences, work experience, leadership qualities, motivation, community service, special talents, status as a veteran of the U.S. military, whether the applicant is socio-economically disadvantaged, and whether the applicant is a member of a historically underrepresented racial or ethnic group.

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 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).

Transfer applicants are given a comprehensive review for admission consideration. 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.

Nonacademic factors that may be considered include but are not limited to, leadership experience, community service, and life circumstances. Applicants are encouraged to provide documentation that supports consideration for admission.

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); a check or money order payable through a United States bank to cover the required application and international student 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 a 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. Veterans Administration 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

Most newly admitted students are placed into English, mathematics, and chemistry courses using current ACT subscores (less than three years old.) Entering students with no current ACT scores are required to take placement tests in English and mathematics. Students wanting to enroll in advanced foreign language courses must take the appropriate foreign language placement test. Students are placed into chemistry by their math placement. More information is available on the campus 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.

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 or MATH 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 or MATH 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 or MATH 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, 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 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 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 so designated in the course schedule.

Retroactive Credits in Foreign Language

The Modern Language Placement Test is required for any UW-Parkside student who wishes to receive college credit for language competency reached in high school. 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.

Retroactive Credit in Foreign Language for Transfer Students

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. Students or advisers with questions about an individual situation should contact the chair of the Modern Languages Department. Advanced students in a foreign language should consult with an adviser in the Modern Languages Department.

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 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 Science 12 credits
   - Natural Science 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 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.

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 student 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, computational, and/or information literacy skills
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 or Mathematics 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 science, 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

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 Degree

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 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 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 Advance 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 by Examination

It is possible to gain university credit by passing examinations which certify that the student has acquired through other means the same knowledge as would have been expected in a college course taken for credit. UW-Parkside accepts many approved examinations from outside agencies for credit. For information on approved examinations, contact the Advising and Career Center.

General Limitations

Certain rules apply to all forms of credit by examination.

Maximum Number of Credits

UW-Parkside will grant no more than 30 credits through credit by examination.

Grades

No grades are recorded for credits granted by examination.

Limitations on Use of Credit by Examination

Credits granted by examination do not count toward residency requirements (the 30 credits a student must earn at UW-Parkside and the 15 credits in 300-400 level courses in the major a student must earn at UW-Parkside). No more than 6 credits granted by examination may be applied to any one of the distribution areas of the general education requirements. Students hoping to use credit by examination to meet the foreign language requirement should consult with the chair of the modern languages department in advance. Academic programs may list additional restrictions on the use of credit by examination in meeting their own requirements.

Challenge Examinations

Each department’s faculty at UW-Parkside may designate certain courses for which credit by 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 specified p e-collegiate work in lieu of examinations.

Credits Granted

The number of credits granted will be equal to the credits normally earned in the course being “challenged.”

Eligibility

Challenge examinations will be given only to registered students. Students seeking credit by examination for a course which they have previously audited at UW-Parkside must be enrolled in the university at the time the examination is taken and are subject to such fee charges for the examination as are in effect.
External Programs for Credit by Examination

A number of external agencies provide examinations that may be acceptable for credit at UW-Parkside. Students interested in following this route should consult the Advising and Career Center for details. The following general policies apply:

Documentation
An official transcript, score report, or equivalent document issued by the external agency must be submitted before credit can be granted.

Approval of Credit
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 faculty is available in the Advising and Career Center. In all other cases, the appropriate department faculty will determine whether credit will satisfy: 1) specific course requirements for a major or minor; 2) elective credit for a major or minor; or 3) only general elective credit.

Advanced Placement
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. Students must submit official Advanced Placement examination reports to the Advising and Career Center. Score reports may be ordered from CEEB by phone at 888-225-5427 or by e-mail at apexams@info.collegeboard.org.

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. They have done so through non-credit adult courses, job training, independent reading and study, and advanced high school courses. CLEP provides these individuals the opportunity to demonstrate their college-level learning by taking exams that assess knowledge and skills taught in college courses. The CLEP exams cover material taught in introductory-level courses.

UW-Parkside accepts credits for many of the CLEP general and subject examinations. Contact the Advising and Career Center at 262-595-2040 to determine which examinations are accepted.

Credit for Experiential Learning
UW-Parkside students have the opportunity to seek credit based on learning gained from experience through a rigorous portfolio and evaluation process. This process is grounded in the departmental evaluation of the portfolio, in which the student describes the learning that derives from experience.

Any UW-Parkside student who can demonstrate learning that is derived from experience equivalent to college level learning may be able to apply that learning toward degree credit. The Credit for Experiential Learning (CEL) process requires that the learning be related to specific courses or areas of study at UW-Parkside. The learning must be based on experience in employment, volunteer activities, workshop/seminar participation, and/or publications. Credit is given for learning acquired as a result of the experience(s), not for the experience itself. The required portfolio process takes time and effort.

CEL at UW-Parkside is determined through individual assessment. Academic departments use the portfolio process to decide whether a student should receive credit for experience-based learning, how much credit, and whether credit is applied toward general education, major, minor or elective courses. Academic departments determine the awarding of CEL based on their own judgment as to what level of learning is acceptable. Each course request is evaluated by a faculty member qualified in that area. It is then approved by the department chair and dean. A maximum of 30 CEL credits may be awarded to a student.

Portfolio Content
The CEL portfolio is a collection of packets, each of which includes a claim for credit for a specific course along with a written narrative and extensive documentation that supports the student’s claim of college-level, experience-based learning. Faculty may interview students, require performance-based claims and/or administer examinations when additional information is needed to substantiate the request. Documentation may vary depending on the course for which a student seeks credit.

The narrative describes the learning in detail and is similar in terms of effort to a major term paper for a course. The narrative discusses the student’s own experience and the subject matter’s theories, concepts and corresponding literature. The student must also demonstrate ability to understand, reason about and/or explain problems, choices and/or decisions in the particular subject. The narrative must be well documented.

Documentation reflects familiarity with theories of the academic discipline that are central to the experience and supports the experiential statements in the narrative. At least one letter from a present/past direct supervisor is required. Other documentation may include certificates of workshop/seminar completion, and any other verifiable information that substantiates claims made in the narrative.

Students interested in pursuing the CEL process should study the statements on CEL Policies, CEL Procedures and the CEL Portfolio available on the university website. Interested students should make an appointment as soon as possible in the Advising and Career Center. An adviser will assist the student in assessing the appropriateness of potential claims and in garnering the necessary course information from the appropriate faculty members.

Credits for Military 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. Credit will be granted if the guide recommends granting credit in the baccalaureate/associate degree category and if credit recommendations are parallel to 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. Credits granted for military course work will be treated in the same category as credit by examination; therefore, no more than 30 credits will be granted for military course work or a combination of military course work and credits earned by examination.

A student may appeal the evaluation of his or her military credits by providing the appropriate departmental faculty with a copy of the ACE description and other documentation that outlines course content.

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 upon completion of 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 nine credits in a certificate program must be taken at UW-Parkside. Individual departments and programs may require more than nine credits to be taken at UW-Parkside.

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 nine 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 would 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 form 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 experience. 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 student 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 policy
- 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 on 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.

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### 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**: Courses 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>Grade</th>
<th>Total Quality Points</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1 cr</td>
</tr>
<tr>
<td>A</td>
<td></td>
</tr>
<tr>
<td>Excellent</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>
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<tr>
<td>D-</td>
<td>0.67</td>
</tr>
<tr>
<td>F</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.

<table>
<thead>
<tr>
<th>Grade</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AUD</td>
<td>Audit satisfactory</td>
</tr>
<tr>
<td>AU-</td>
<td>Audit Unsatisfactory</td>
</tr>
<tr>
<td>CR</td>
<td>For credit only</td>
</tr>
<tr>
<td>I</td>
<td>Incomplete (temporary)</td>
</tr>
<tr>
<td>IX</td>
<td>Incomplete Extended (temporary)</td>
</tr>
<tr>
<td>IP</td>
<td>In progress</td>
</tr>
<tr>
<td>NA</td>
<td>Not Attempted (for Flex Option Program Competencies only)</td>
</tr>
<tr>
<td>N/C</td>
<td>No credit awarded</td>
</tr>
<tr>
<td>NG</td>
<td>Not graded</td>
</tr>
<tr>
<td>NR</td>
<td>No report submitted (temporary)</td>
</tr>
<tr>
<td>PR</td>
<td>Progress (for Flex Option Program only)</td>
</tr>
<tr>
<td>RT</td>
<td>Retaken</td>
</tr>
<tr>
<td>S</td>
<td>Satisfactory (only for special circumstances)</td>
</tr>
<tr>
<td>U</td>
<td>Unsatisfactory (only for special circumstances)</td>
</tr>
</tbody>
</table>

### 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.

#### 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 and 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

Undergraduate 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 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 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 37 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 section of this catalog.

Majors and 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.)
- 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.)
- Sociology (B.A.)
- Spanish (B.A.)
- Sport Management (B.S.)
- Sustainable Management (B.S.)*
- Theatre Arts (B.A.)

* Consortial program degree awarded by the participating campus

Minor Programs

UW-Parkside offers approximately 41 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
- Business Management
- Chemistry
- Communication
- Computer Science
- Criminal Justice
- Economics
- English
- Environmental Studies
- Ethnic Studies
- French
- Geographic Information Systems (GIS)
- Geography
Concentrations

A number of majors provide students with the option to pursue an area of emphasis within the major called a concentration. With the exception of applied health sciences and business management majors, concentrations are optional. 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

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

**Biological Sciences**
- Pre-Health Professions

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

**Chemistry**
- Biochemistry

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

**English**
- Language Arts

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

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

**Political Science**
- Law

**Sociology**
- Anthropology

**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 Based Learning

**Chemistry**
- Green Chemistry
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
- Athletic Training
- 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 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 section of this catalog.

Degree Completion Programs

Evening Programs

In scheduling its programs, UW-Parkside recognizes the challenges faced by students who must work during the day. UW-Parkside offers both undergraduate and graduate degree programs which can be completed by taking only evening classes. These are not separate programs for evening students; they are part of UW-Parkside’s regular curriculum and taught by the same faculty and staff.

The following majors can be completed in the evening:

Undergraduate
- Accounting
- Business Management
- Communication
- Computer Science
- Criminal Justice
- English
- Liberal Studies
- Management Information Systems
- Sociology

Graduate
- Business Administration
- Computer and Information Systems

In addition to providing required major courses in the evening, UW-Parkside offers courses that will satisfy the university’s general education requirements.

Like other students, evening students need to plan carefully. The range of courses available during the evening hours is not as extensive as those offered during the day. UW-Parkside tries to help students formulate a degree plan by publishing a list of course offerings that have been planned for future semesters. Since changes in requirements and staff may sometimes force changes in previously published lists of proposed course offerings, students should be sure to check for changes as the lists are updated, usually when the semester course schedule appears.

Online Programs and Courses

Both the sustainable management major and health information management and technology major are collaborative, degree-completion programs that enable students with at least 60 transfer credits to receive their bachelor of science degree by attending classes online. These programs are offered jointly by UW-Parkside and other UW partners. In addition to the courses in this program, UW-Parkside is continuously creating courses in an online format to provide students flexibility toward completing their bachelor’s degree.

UW-Parkside also offers certificate programs in an online and flexible option formats. Current online programs include program management and business fundamentals. Flexible options programs include Global Skills and Sales.

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.

Air Force ROTC Program

UW-Parkside students have the opportunity to participate fully in the Air Force Reserve Officers Training Corps (AFROTC) Program. Students enrolled in the Air Force ROTC program attend AFROTC courses at Marquette University.

Through this program, UW-Parkside offers its students the opportunity to prepare for initial active duty assignments as Air Force Commissioned Officers. In order to receive a commission, AFROTC cadets must complete all university requirements for a degree and courses specified by the Air Force. AFROTC offers four, three-year programs leading to a commission as an Air Force officer. Four-year program students complete the general military course and the professional officer course, in addition to a four-week summer field-training program between their second and third years in the program.

General qualifications:
- be a full-time student;
- be a United States citizen (for scholarship appointment);
• be in good physical condition;
• be of good moral character;
• for pilot or navigator training, fulfill all commissioning requirements before age 29;
• for scholarship recipients, fulfill all commissioning requirements and be under age 31 on December 31 of the estimated year of commissioning; and
• for non-scholarship students, fulfill all commissioning requirements before age 30.

General Military Course
The first- and second-year educational program in Air Force Aerospace Studies consists of a series of one-hour courses designed to give students basic information on world military systems and the role of the U.S. Air Force in the defense of the free world. All required textbooks and uniforms are provided free. The general military course is open to all students at UW-Parkside without advance application and does not obligate students to the Air Force in any way.

Field Training
AFROTC Field Training is offered during the summer months at selected Air Force bases throughout the U.S. and provides leadership and officership training in a structured military environment. Major areas of study include physical training, drill and ceremony, marksmanship, and survival training. The Air Force pays all expenses associated with field training.

Professional Officer Course
The third and fourth years of Air Force Aerospace Studies are designed to develop skills and attitudes vital to the professional office. Students completing the professional officer course are commissioned as officers in the U.S. Air Force upon college graduation. All students in the professional officer course receive a nontaxable subsistence allowance of $350-$400 per month during the academic year.

Leadership Laboratory
Leadership laboratory is a cadet-centered activity. It is largely cadet planned and directed, in line with the premise that it provides leadership training experience that will improve a cadet’s ability to perform as an Air Force officer. The freshman and sophomore leadership laboratory program introduces Air Force customs and courtesies, drill and ceremonies, wearing the uniform, career opportunities in the Air Force, education and training benefits, the life and work of an Air Force officer, and opportunities for field trips to Air Force installations throughout the U.S. Initial experiences include preparing the cadet for individual squadron and flight movements in drill and ceremonies and for the field training assignment prior to the junior year.

The junior and senior leadership laboratory program involves the cadets in advanced leadership experiences. Cadet responsibilities include planning and directing the activities of the cadet corps, preparing briefings and written communications, and providing interviews, guidance, information, and other services that will increase the performance and motivation of other cadets.

AFROTC College Scholarship and Scholarship Action Programs
These programs provide scholarships to selected students participating in AFROTC. While participating in AFROTC, students receive a stipend per month along with paid tuition, fees, and a fixed textbook reimbursement. To be eligible for either of these programs, students must:

- be a U.S. citizen;
- be at least 17 years of age on the date of enrollment and under 31 years of age on December 31 of the estimated year of commissioning;
- pass an Air Force physical exam;
- be selected by a board of Air Force officers;
- have no moral objections or personal convictions that prevent bearing arms and supporting and defending the Constitution of the United States against all enemies, foreign and domestic (applicants must not be conscientious objectors);
- achieve a passing score on the Air Force Officer Qualifying Test;
- maintain a quality grade point average.

High school students can apply for scholarships late in their junior year or early in their senior year. Information on Air Force ROTC and applications for Air Force scholarships is available at www.AFROTC.com. Scholarship applications will not be accepted after December 1 of the year before entering college.

For students already enrolled at UW-Parkside, three-year scholarships are available. Applications are submitted directly to the Department of Aerospace Studies at Marquette University.

For more information, contact the Department of Aerospace Studies at Marquette University, (414) 288-7682.
Greenquist 345 • 262-595-2327

APPLIED HEALTH SCIENCES
UW-PARKSIDE 2015-17 CATALOG

College:
Natural and Health Sciences

Degree and Program Offered:
Bachelor of Science
Major - Applied Health Sciences

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, and kinesiology. 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, fitness management, 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), Summer Ostrowski (BIOS), Chris Noto (BIOS), Fabian Preuss (BIOS), Edward Bowden (PSYC) and Kenneth Wilka (HESM).

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 = 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 masters 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 (77-109 credits)

The major in applied health sciences has a core requirement of 66-67 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.

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 in Applied Health Sciences...........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*...........................5 cr
   - CHEM 102 General Chemistry II............................5 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. Sport and Fitness Management Courses (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.
   ** This class has a requirement of PSYC 101 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 (16 credits, 82-83 credits total)
   - HESM 345 Prevention and Care of Athletic Injuries.................................3 cr
   - HESM 410 Fitness Assessment and Prescription...................................3 cr
   - HESM 445 Therapeutic Exercise for Athletic Injuries........................3 cr
   - PHYS 101 Principles of Physics*...............................4 cr
     OR
   - PHYS 102 Principles of Physics with Medical Applications..........................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
     OR
   - PHYS 102 Principles of Physics with Medical Applications..........................4 cr

4. Pre-Occupational Therapy (13 credits, 79-80 credits total)
   - PHYS 101 Principles of Physics*...............................4 cr
     OR
   - PHYS 102 Principles of Physics with Medical Applications..........................4 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
- OR
- PHYS 102 Principles of Physics with Medical Applications .......... 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 (26 credits, 92-93 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
- HESM 445 Therapeutic Exercise for 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

* These courses also satisfy general education 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 2015-17 CATALOG

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 (48-69 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 19-20 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.

Core Curriculum (47-49 Credits)

A. Foundation Courses (18 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
- ART 125 Survey of World Art .........................3 cr
- ART 126 Modern and Contemporary Art:
  1900 to the Present....................................3 cr

B. Developmental Drawing (3 credits)

Each course can only count toward one requirement area. Choose one course:

- ART 331 Life Drawing....................................3 cr
- ART 322 Intermediate Drawing.......................3 cr
- ART 330 Focused Drawing Topics.....................3 cr

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. 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.
C. 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
- ART 330 Focused Drawing Topics 3 cr
- ART 331 Life Drawing 3 cr
- ART 351 Intermediate Printmaking 3 cr
- ART 352 Intermediate Drawing 3 cr
- ART 382 Intermediate Painting 3 cr
- ART 388 Intermediate 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 488 Advanced Topics in Two Dimensional Studio Art 3 cr

D. 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 in Three Dimensional Studio Art 3 cr
- ART 489 Advanced Topics in Three Dimensional Studio Art 3 cr

E. 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

F. Upper Division Art History* (6-8 credits)

Choose two courses:

- ART 391 Selected Topics in Art History 3 cr
- ART 395 Selected Topics in Art History with a Writing Emphasis 4 cr
- ART/SOCA 315 Anthropology of Non-Western Art 3 cr
- ENGL 358 Film Genres (History topics) 3 cr
- ART 491 Selected Topics in Art History 3 cr
- ART 495 Selected Topics in Art History with a Writing Emphasis 4 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.

G. Professional Practice (2 credits)

Prerequisite: Junior level standing

- ART 392 Professional Practice 2 cr

H. 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 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 482 Advanced Painting 3 cr
- ART 489 Advanced Topics in Two 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 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

I. Art Major Completion Options:

Students take either the Senior Critique Seminar capstone course to complete the standard 48-50 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.

1. Capstone (1 credit)

Prerequisite: Senior level standing

- ART 497 Senior Critique Seminar 1 cr

Or

2. Studio Art Concentration (19-20 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 (19-20 credits)

i. Required Additional Upper Division Art History* (3-4 credits)

Each course can only count toward one requirement area. Prerequisites apply. Choose one course:

- ART 391 Selected Topics in Art History .................. 3 cr
- ART 395 Selected Topics in Art History with a Writing Emphasis .......... 4 cr
- ART/ SOCA 315 Anthropology of Non-Western Art ............. 3 cr
- ENGL 358 Film Genres (history topics) ....... 3 cr
- ART 491 Selected Topics in Art History .................. 3 cr
- ART 495 Selected Topics in Art History with a Writing Emphasis .......... 4 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. Three Dimensional Studio Art Courses (12 credits)

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
- ART 331 Life Drawing ...................... 3 cr
- ART 351 Intermediate Printmaking ........... 3 cr
- ART 371 Digital Photography .............. 3 cr
- ART 382 Intermediate Painting ............. 3 cr
- ART 388 Intermediate Topics in Two Dimensional Studio Art .......... 3 cr
- ART 399 Independent Study .............. 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 471 Advanced Digital Photography ........... 3 cr
- ART 482 Advanced Painting .............. 3 cr
- ART 488 Advanced Topics in Two Dimensional Studio Art .......... 3 cr
- ART 499 Independent Study .............. 3 cr

iii. Exhibition Capstone (4 credits)

Required courses:

- ART 493 Senior Studio .............. 4 cr

b. Three Dimensional Studio Art Concentration (19-20 credits)

i. Required Additional Upper Division Art History* (3-4 credits)

Each course can only count toward one requirement area. Prerequisites apply. Choose one course:

- ART 391 Selected Topics in Art History .............. 3 cr
- ART 395 Selected Topics in Art History with a Writing Emphasis .......... 4 cr
- ART/ SOCA 315 Anthropology of Non-Western Art ............. 3 cr
- ENGL 358 Film Genres (history topics) ....... 3 cr
- ART 491 Selected Topics in Art History .................. 3 cr
- ART 495 Selected Topics in Art History with a Writing Emphasis .......... 4 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. Three Dimensional Studio Art Courses (12 credits)

Choose four courses (three courses must be upper division):

- 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 399 Independent Study .............. 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
- ART 499 Independent Study .............. 3 cr

iii. Exhibition Capstone (4 credits)

Required courses:

- ART 493 Senior Studio .............. 4 cr

c. Interdisciplinary Concentration (19-20 credits)

i. Required Additional Upper Division Art History* (3-4 credits)

Each course can only count toward one requirement area. Prerequisites apply. Choose one course:

- ART 391 Selected Topics in Art History .............. 3 cr
ART 395  Selected Topics in
       Art History with a
       Writing Emphasis.............. 4 cr

ART/       Anthropology of
SOCA 315  Non-Western Art ............. 3 cr

ENGL 358  Film Genres (history topics).... 3 cr

ART 491  Selected Topics in
       Art History..................... 3 cr

ART 495  Selected Topics in
       Art History with a
       Writing Emphasis.............. 4 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)

Choose four courses (three courses must be upper division):

Two Dimensional

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
ART 351  Intermediate Printmaking........ 3 cr
ART 371  Digital Photography.............. 3 cr
ART 382  Intermediate Painting............ 3 cr
ART 388  Intermediate Topics in Two
       Dimensional Studio Art......... 3 cr
ART 399  Independent Study............... 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 488  Advanced Topics in Two
       Dimensional Studio Art......... 3 cr
ART 499  Independent Study............... 3 cr

Three Dimensional

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 399  Independent Study............... 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  Advance Topics in Three
       Dimensional Studio Art......... 3 cr

ART 499  Independent Study............. 3 cr

iii. Exhibition Capstone (4 credits)

Required course:

ART 493  Senior Studio.................. 4 cr

Note for students choosing the standard art major without a
concentration (48-50 credits)

Students should be aware that the standard 48-50 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 (68-70 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.

Core Curriculum (47-49 Credits)

A. Foundation Courses (18 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
ART 125  Survey of World Art.............. 3 cr
ART 126  Modern and Contemporary Art:
       1900 to the Present............... 3 cr

B. 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

C. 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  
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 488  Advanced Topics in Two  
Dimensional Studio Art ..................................................3 cr  

D. 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  

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

F. Upper Division Art History* (6-8 credits)  
Choose two courses:  
ART 391  Selected Topics in Art History .........................3 cr  
ART 395  Selected Topics in Art History with  
a Writing Emphasis .........................................................4 cr  
ART/  
SOC 315  Anthropology of Non-Western Art .....................3 cr  
ENL 358  Film Genres (history topics) .............................3 cr  
ART 491  Selected Topics in Art History .........................3 cr  
ART 495  Selected Topics in Art History with  
a Writing Emphasis .........................................................4 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.  

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

H. 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 462  Advanced Painting ............................................3 cr  
ART 489  Advanced Topics in Two  
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  

Graph Design  
ART 371  Digital Photography ........................................3 cr  
ART 387  Topics in Graphic Design ..................................3 cr  

I. Graphic Design Course Work (21 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 364  Digital Video .....................................................3 cr  
   ART 371  Digital Photography ........................................3 cr  
   ART 377  Web Design I ....................................................3 cr  
   ART 387  Topics in Graphic Design ..................................3 cr  
   ART 399/499  Independent Study ....................................3 cr  
   ART 472  Graphic Design II ............................................3 cr  
   ART 477  Web Design II ....................................................3 cr  
   ART 494  Art Internship ..................................................3 cr  
   ENL 358  Studies in Film-Digital Videos ..........................3 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)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</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 122</td>
<td>Introduction to Drawing</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

**B. Two Dimensional Experience (3 credits)**

Each course can only count toward one requirement area. Prerequisites apply. Choose one course:

<table>
<thead>
<tr>
<th>Course</th>
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</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 388</td>
<td>Intermediate Topics in Two Dimensional Studio Art</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>

**C. Three Dimensional Experience (6 credits)**

Each course can only count toward one requirement area. Prerequisites apply. Choose two courses:

<table>
<thead>
<tr>
<th>Course</th>
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<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>
</tbody>
</table>

**D. Art History/Appreciation (3 credits)**

Each course can only count toward one requirement area. Prerequisites apply. Choose one course:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 100</td>
<td>Art Appreciation</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 125</td>
<td>Survey of World Art</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 126</td>
<td>Modern and Contemporary Art:</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

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)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</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>

**B. Design Courses (12 credits)**

Each course can only count toward one requirement area. Prerequisites apply. Choose four courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ART 274</td>
<td>Typography I</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 287</td>
<td>Topics in Graphic Design</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 372</td>
<td>Graphic Design I</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 374</td>
<td>Typography II</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 377</td>
<td>Web Design I</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 387</td>
<td>Topics in Graphic Design</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 472</td>
<td>Graphic Design II</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 477</td>
<td>Web Design II</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

**C. Art History/Appreciation (3 credits)**

Each course can only count toward one requirement area. Prerequisites apply. Choose one course:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ART 100</td>
<td>Art Appreciation</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 125</td>
<td>Survey of World Art</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 126</td>
<td>Modern and Contemporary Art:</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

1900 to the Present: 3 cr

Requirements for the Art History Certificate (18-19 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 3.0 GPA in the following courses to receive the art history certificate.

**A. Required Core Art History Courses (6 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 125</td>
<td>Survey of World Art</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 126</td>
<td>Modern and Contemporary Art:</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

1900 to the Present: 3 cr

**B. Art History Electives* (12-13 credits)**

Each course can only count toward one requirement area. Prerequisites apply. Choose courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHIL 213</td>
<td>Aesthetics</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 391/491</td>
<td>Selected Topics in Art History</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 395/495</td>
<td>Selected Topics in Art History with a Writing Emphasis</td>
<td>4 cr</td>
</tr>
<tr>
<td>SOCA 208</td>
<td>Introduction to Archaeology</td>
<td>3 cr</td>
</tr>
<tr>
<td>SOCA 315</td>
<td>Anthropology of Non-Western Art</td>
<td>3 cr</td>
</tr>
<tr>
<td>ENGL 358</td>
<td>Film Genres</td>
<td>3 cr</td>
</tr>
<tr>
<td>ENGL 458</td>
<td>Studies in Film-history topics</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

* 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)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</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 104</td>
<td>Introduction to Digital Art</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

B. Required Graphic Design Courses (9 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 274</td>
<td>Typography I</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 372</td>
<td>Graphic Design I</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 377</td>
<td>Web Design I</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 103</td>
<td>Introduction to Three Dimensional Design</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 122</td>
<td>Introduction to Drawing</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 125</td>
<td>Survey of World Art</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 126</td>
<td>Modern and Contemporary Art: 1900 to the Present</td>
<td>3 cr</td>
</tr>
<tr>
<td>SPCH 105</td>
<td>Public Speaking</td>
<td>3 cr</td>
</tr>
<tr>
<td>ENGL 101</td>
<td>Composition and Reading</td>
<td>3 cr</td>
</tr>
<tr>
<td>ENGL 201</td>
<td>Advanced Composition</td>
<td>3 cr</td>
</tr>
<tr>
<td>GEOG 110</td>
<td>Introduction to Geography – World Regions</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

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.

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)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 113</td>
<td>Trigonometry</td>
<td>2 cr</td>
</tr>
<tr>
<td>PHYS 105</td>
<td>College Physics I</td>
<td>5 cr</td>
</tr>
</tbody>
</table>

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.

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 not earn a minor in graphic design; however, they may earn a certificate in design. Graphic design majors may not earn a minor in art.

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

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

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

125 Survey of World Art ................................................................. 3 cr  
Prereq: None. Freq: Fall, Spring.  
Examines art history from the prehistoric era to the present with a global perspective. Students will learn to apply visual analysis and to understand art in its social, political and historical context.

126 Modern and Contemporary Art: 1900 to the Present .................... 3 cr  
Prereq: None. Freq: Fall, Spring.  
Examines modern and contemporary art since 1900 from a global perspective, considering artworks and movements in their historical, social, and political context.

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

236 Beginning Sculpture ................................................................. 3 cr  
Prereq: ART 103. Freq: Fall.  
Explores both historical and contemporary developments in sculpture emphasizing fundamental aesthetic concepts and technical methods. Directs students through three basic techniques: reduction, addition, and casting. Lab fee.

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

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

274 Typography I ............................................................................ 3 cr  
Prereq: ART 102, 104. Freq: Fall, Spring.  
Introduces the theories and history of typography within the context of graphic design.

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

287 Topics in Graphic Design ............................................................ 3 cr  
Prereq: Varies by topic. Frequency: Occasionally  
Explores selected topics in the field of graphic design. Focuses on diverse mediums, content, and projects. May be repeated for credit with different topic. Lab Fee.

288 Topics in Two Dimensional Studio Art ......................................... 3 cr  
Prereq: ART 102, 122. Freq: Occasionally.  
Special topics in two dimensional studio art including printmaking, painting, collage, photography, and book arts. Traditional and experimental materials and approaches will be explored. May be repeated for credit with different topic. Lab Fee.

289 Topics in Three Dimensional Studio Art ...................................... 3 cr  
Prereq: Varies by topic. Freq: Occasionally.  
Special topics in three dimensional studio art 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.

290 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. Lab fee varies with topic.

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

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

315 Anthropology of Non-Western Art .............................................. 3 cr  
Prereq: SOCA 100 or 101, or ART 125 or 126, or consent of instructor. Freq: Spring (odd years).  
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 SOCA 315.

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

330 Focused Drawing Topics ........................................................... 3 cr  
Prereq: ART 102, 122. Freq: Occasionally.  
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.

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

336 Intermediate Sculpture .............................................................. 3 cr  
Prereq: ART 236. Freq: Spring.  
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.

338 Intermediate Woodworking and Furniture Design ....................... 3 cr  
Prereq: ART 238 or consent of instructor. Freq: Spring.  
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.
<table>
<thead>
<tr>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites</th>
<th>Frequency</th>
</tr>
</thead>
<tbody>
<tr>
<td>351 Intermediate Printmaking</td>
<td>3 cr</td>
<td>Prereq: ART 251. Freq: Fall.</td>
<td></td>
</tr>
<tr>
<td>Investigates one of the following: relief, intaglio, monotype, serigraphy. Emphasizes students’ individual vision and conceptual development as it relates to the printed multiple. Encourages contemporary discourse on printmaking. Lab fee.</td>
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</tr>
<tr>
<td>371 Digital Photography</td>
<td>3 cr</td>
<td>Prereq: ART 102, 104. Freq: Fall, Spring. 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 Graphic Design I</td>
<td>3 cr</td>
<td>Prereq: ART 274. Freq: Fall, Spring. Explores design history, theory, technique and the formal language of graphic communications. Lab fee.</td>
<td></td>
</tr>
<tr>
<td>374 Typography II</td>
<td>3 cr</td>
<td>Prereq: ART 274. Freq: Spring. Utilization of the fundamentals of typography to solve complex design problems. Lab fee.</td>
<td></td>
</tr>
<tr>
<td>377 Web Design I</td>
<td>3 cr</td>
<td>Prereq: ART 372; or ART 104 and one of: CSCI 130, 145, 241, or MIS 221. Freq: Fall, Spring. 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 Intermediate Painting</td>
<td>3 cr</td>
<td>Prereq: ART 282. Freq: Spring. Continues aesthetic and technical exploration of the painted image involving a variety of media. Lab fee.</td>
<td></td>
</tr>
<tr>
<td>387 Topics in Graphic Design</td>
<td>3 cr</td>
<td>Prereq: Varies by topic. Freq: Occasionally. Explores topics in the field of graphic design. Focuses on diverse mediums, content, and projects.</td>
<td></td>
</tr>
<tr>
<td>388 Intermediate Topics in Two Dimensional Studio Art</td>
<td>3 cr</td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>389 Intermediate Topics in Three Dimensional Studio Art</td>
<td>3 cr</td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>390 Special Topics in Art</td>
<td>1-4 cr</td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>391 Selected Topics in Art History</td>
<td>3 cr</td>
<td>Prereq: Varies by topic. Freq: Fall, Spring. Examines selected topics in art history. May be repeated for credit with a different topic.</td>
<td></td>
</tr>
<tr>
<td>392 Professional Practice</td>
<td>2 cr</td>
<td>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.</td>
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</tr>
<tr>
<td>395 Selected Topics in Art History with a Writing Emphasis</td>
<td>4 cr</td>
<td>Prereq: Varies by topic. Freq: Occasionally. Examines selected topics in art history. May be repeated for credit with a different topic.</td>
<td></td>
</tr>
<tr>
<td>399 Independent Study</td>
<td>1-4 cr</td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>403 Advanced Ceramics</td>
<td>3 cr</td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>422 Advanced Drawing</td>
<td>3 cr</td>
<td>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 viewpoint. May be repeated for credit. Lab fee.</td>
<td></td>
</tr>
<tr>
<td>430 Advanced Focused Drawing Topics</td>
<td>3 cr</td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>431 Figure Studio</td>
<td>3 cr</td>
<td>Prereq: ART 331. Freq: Occasionally. Emphasizes experimental exploration of the human form with an expressive focus in a variety of media with more individualized technical and aesthetic development. May be repeated for credit. Lab fee.</td>
<td></td>
</tr>
<tr>
<td>436 Advanced Sculpture</td>
<td>3 cr</td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>451 Advanced Printmaking</td>
<td>3 cr</td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>471 Advanced Digital Photography</td>
<td>3 cr</td>
<td>Prereq: ART 371. Freq: Fall, Spring. Continues practice in digital photography. Emphasizes conceptual development as is relates to the medium and students’ own creative visions. May be repeated for credit. Lab fee.</td>
<td></td>
</tr>
<tr>
<td>472 Graphic Design II</td>
<td>3 cr</td>
<td>Prereq: ART 372, 374. Freq: Fall. Analysis of issues related to branding, identity, and design. Emphasis is on the development of strong concepts which communicate effectively. Lab fee.</td>
<td></td>
</tr>
<tr>
<td>477 Web Design II</td>
<td>3 cr</td>
<td>Prereq: ART 377. Freq: Spring. 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>
<td></td>
</tr>
<tr>
<td>482 Advanced Painting</td>
<td>3 cr</td>
<td>Prereq: ART 382. Freq: Spring. Explores individual problems in painting using a variety of media. May be repeated for credit. Lab Fee.</td>
<td></td>
</tr>
</tbody>
</table>
487 Design Portfolio ......................................................... 3 cr
Prereq: ART 472 or consent of instructor. Freq: Fall, Spring.
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

488 Advanced Topics in Two Dimensional Studio Art ............... 3 cr
Prereq: Varies by topic. Freq: Occasionally.
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.

489 Advanced Topics in Three Dimensional Studio Art .............. 3 cr
Prereq: Varies by topic. Freq: Occasionally.
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.

490 Special Topics in Art .................................................... 1-4 cr
Prereq: Varies by topic. Freq: Occasionally.
Selected topics in art will be studied. Lab fee.

491 Selected Topics in Art History ....................................... 3 cr
Prereq: Varies by topic. Freq: Occasionally.
Examines selected topics in art history. May be repeated for credit with
a different topic.

493 Senior Studio ................................................................. 4 cr
Prereq: Senior standing, department approval. Freq: Fall, Spring.
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. Exhibition of artwork
required. Lab fee varies by topic.

494 Art Internship ............................................................... 1-4 cr
Prereq: Art major, junior standing; consent of instructor and
department chair. Freq: Fall, Spring, Summer.
Practical experience in studio and curatorial situations in business,
industry, galleries and museums. Joint supervision by faculty member
and organization representative. Lab fee varies by topic.

495 Selected Topics in Art History with a Writing Emphasis .......... 4 cr
Prereq: ART 125, 126, ENGL 101; or consent of instructor.
Freq: Occasionally.
Examines selected topics in art history. May be repeated for credit with
a different topic.

497 Senior Critique Seminar ............................................... 1 cr
Prereq: Art major, senior standing; or consent of instructor. Freq: Fall,
Spring.
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.

499 Independent Study ..................................................... 1-4 cr
Prereq: Consent of instructor and department chair. Freq: Fall, Spring,
Summer.
Special projects at an advanced level selected by student and approved
by the instructor. Includes a detailed project proposal. Lab fee varies by
topic.

Graduate Courses

690 Special Topics ............................................................ 1-4 cr
Prereq: Consent of instructor and department chair.
Freq: Occasionally.
Selected topics in art will be studied. Lab fee varies with topic.

699 Independent Study ..................................................... 1-3 cr
Prereq: Consent of instructor and department chair.
Freq: Occasionally.
Special projects selected by student and approved instructor. Includes
a detailed project proposal. Lab fee varies with topic.
BIOLOGICAL SCIENCES

UW-PARKSIDE 2015-17 CATALOG

Greenquist 344 • 262-595-2744

College:
Natural and Health Sciences

Degrees and Programs Offered:
Bachelor of Science and Master of Science

Majors - Biological Sciences, Molecular Biology and Bioinformatics

Minor - Biological Sciences

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, or 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 Chihuahua 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 under student governance. 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 many courses available that have been designed specifically for non-science students and for general education.

Program Level Objectives for Biological Sciences
1. Biological complexity and evolution
2. Inquiry and research methods
3. Scholarship and communication

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>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>BIOS 101</td>
<td>Bioscience</td>
<td>4 cr</td>
</tr>
<tr>
<td>BIOS 102</td>
<td>Organismal Biology</td>
<td>4 cr</td>
</tr>
<tr>
<td>BIOS 210</td>
<td>Biostatistics</td>
<td>4 cr</td>
</tr>
<tr>
<td>BIOS 260</td>
<td>General Genetics</td>
<td>4 cr</td>
</tr>
<tr>
<td>BIOS 435</td>
<td>Experimental Methods/Biochemistry Lab</td>
<td>2 cr</td>
</tr>
<tr>
<td>BIOS 495</td>
<td>Senior Seminar</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)
   MATH 221 Calculus and Analytic Geometry I ……. 5 cr

2. Chemistry Courses (18-21 credits)
   CHEM 101 General Chemistry I ....................5 cr
   CHEM 102 General Chemistry II .................5 cr
   CHEM 321 Organic Chemistry I .................4 cr
   CHEM 322 Organic Chemistry II ...............4 cr

   Recommended:
   CHEM 323 Organic Chemistry Laboratory* ........3 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

* 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 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, 455 and 480. 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.

Concentration in Pre-Health Professions (27 credits)

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 (80-82 credits)

The major in molecular biology and bioinformatics consists of a minimum of 46 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. Admission to the molecular biology and bioinformatics major is selective. Incoming freshmen must have a minimum ACT score of 25. Current students wishing to enter the program must complete BIOS 260 General Genetics, and attain a minimum UW-Parkside cumulative GPA of 2.75 at the time of application. Transfer students will be assessed on an individual basis based on these guidelines. 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 (36 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOS 101</td>
<td>Bioscience</td>
<td>4 cr</td>
</tr>
<tr>
<td>BIOS 102</td>
<td>Organismal Biology</td>
<td>4 cr</td>
</tr>
<tr>
<td>BIOS 210</td>
<td>Biostatistics</td>
<td>4 cr</td>
</tr>
<tr>
<td>BIOS 260</td>
<td>General Genetics</td>
<td>4 cr</td>
</tr>
<tr>
<td>BIOS 301</td>
<td>Cell Biology</td>
<td>3 cr</td>
</tr>
<tr>
<td>BIOS 309</td>
<td>Molecular Biology</td>
<td>3 cr</td>
</tr>
<tr>
<td>BIOS 453</td>
<td>Molecular Biology and Bioinformatics of Nucleic Acids</td>
<td>4 cr</td>
</tr>
<tr>
<td>BIOS 455</td>
<td>Protein Biochemistry and Bioinformatics</td>
<td>4 cr</td>
</tr>
<tr>
<td>BIOS 489</td>
<td>Molecular Biology and Bioinformatics</td>
<td>4 cr</td>
</tr>
<tr>
<td>BIOS 499</td>
<td>Senior Project</td>
<td>2 cr</td>
</tr>
<tr>
<td></td>
<td>Independent Study, over two semesters</td>
<td>4 cr</td>
</tr>
</tbody>
</table>

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 (36-38 credits)

1. Mathematics Courses (5-8 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 231</td>
<td>Discrete Mathematics</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td>OR</td>
<td></td>
</tr>
<tr>
<td>MATH 222</td>
<td>Calculus and Analytic Geometry II</td>
<td>5 cr</td>
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</table>

2. Chemistry Courses (18 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>CHEM 101</td>
<td>General Chemistry I</td>
<td>5 cr</td>
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<tr>
<td>CHEM 102</td>
<td>General Chemistry II</td>
<td>5 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>
</tbody>
</table>

3. Physics Courses (10 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>PHYS 105</td>
<td>College Physics I</td>
<td>5 cr</td>
</tr>
<tr>
<td>PHYS 106</td>
<td>College Physics II</td>
<td>5 cr</td>
</tr>
</tbody>
</table>

OR

<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>
</tbody>
</table>

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 (8 credits)

Choose from:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOS 300 - 600 level courses (excluding: BIOS 435 Experimental Methods; BIOS 495 Senior Seminar; BIOS 499 Independent Study)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHEM 620</td>
<td>Advanced Biochemistry</td>
<td>3 cr</td>
</tr>
<tr>
<td>CSCI 241</td>
<td>Computer Science I</td>
<td>4 cr</td>
</tr>
<tr>
<td>CSCI 242</td>
<td>Computer Science II</td>
<td>4 cr</td>
</tr>
<tr>
<td>MIS 322</td>
<td>Business Programming II-C#</td>
<td>3 cr</td>
</tr>
<tr>
<td>MIS 328</td>
<td>Database Management Systems</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

Requirements for the Biological Sciences Minor (20 credits)

A. Required Courses (8 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOS 101</td>
<td>Bioscience</td>
<td>4 cr</td>
</tr>
<tr>
<td>BIOS 102</td>
<td>Organismal Biology</td>
<td>4 cr</td>
</tr>
</tbody>
</table>

B. Elective Courses (12 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOS 200+</td>
<td>Electives 200 level or above</td>
<td></td>
</tr>
<tr>
<td></td>
<td>(excluding BIOS 202 General Microbiology)</td>
<td>12 cr</td>
</tr>
</tbody>
</table>

Department 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 three 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: http://www.uwp.edu/learn/departments/educatordevelopment/index.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.

108 Biology of Aging .....................................................3 cr
   Prereq: None. Freq: Spring.
   This course is intended to give the non-science major an introduction to the age-related changes in each body system from the standpoint of normal structure and function. The concept of homeostasis is emphasized in relation to age-related abnormal changes in addition to causative factors. Three-hour lecture.

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, BIOS 106 or concurrent registration and CHEM 102 or 115; or consent of instructor. Freq: Fall.
   Structure, growth, reproduction, and activities of microorganisms including medical applications. Isolation and propagation of bacteria; not for credit toward biological sciences major. Three-hour lecture; three-hour lab.

203 Introduction to Aquatic and Environmental Microbiology ....4 cr
   Prereq: BIOS 101, BIOS 106, MATH 111, and CHEM 101; or consent of instructor. Freq: Occasionally.
   Understanding and application of basic microbiological and ecological principles related to microbial processes in freshwater and groundwater environments. Three-hour lecture; three-hour lab.

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. Freq: Fall, Spring.
   Fundamental principles including transmission, molecular and population genetics. Laboratory introduces techniques appropriate for investigating a variety of organisms used in the discipline, including microorganisms, plants, lower animals, and humans. For students majoring in science, mathematics or biology-related professions. 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 consent of instructor. 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.

303 Microbiology ........................................................4 cr
   Prereq: BIOS 260 or consent of instructor. Freq: Spring.
   Advanced treatment of the structure, growth and activities of microorganisms including medical microbiology; microbial pathogenesis and environmental microbiology. Three-hour lecture; three-hour lab.

305 Principles of Ecology ...............................................4 cr
   Prereq: BIOS 101, 102, and 210. Freq: Fall (odd years).
   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.
307 Biochemical Metabolism ........................................................................... 3 cr
    Prereq: BIOS 101, 102 and CHEM 322; or consent of instructor.
    Freq: Fall.
    A study of the chemistry of biological systems with emphasis on
    metabolism and macromolecular biosynthesis. Three-hour lecture.
    Cross-listed with CHEM 307.

309 Molecular Biology .................................................................................... 3 cr
    Prereq: BIOS 260, CHEM 322; or consent of instructor. Freq: Spring.
    Regulation of DNA, RNA, and protein synthesis and the control of the
    synthesis of other macromolecules. Three-hour lecture/discussion.

311 Parasitology ............................................................................................... 4 cr
    Prereq: BIOS 101, 102; or consent of instructor. Freq: Fall (odd years).
    Investigates the ecology of human and insect interactions, their
    significance to public health, and application to forensic science. Three-
    hour lecture; three-hour lab.

312 Medical and Forensic Entomology .......................................................... 4 cr
    An introduction to the biological and social aspects of conservation.
    Prereq: BIOS 102 or 104; or consent of instructor. Freq: Fall.
    Cross-listed with CHEM 307.

313 Invertebrate Zoology ............................................................................... 4 cr
    Prereq: BIOS 101, 102, and 210. Freq: Fall (odd years).
    Ecology, classification and evolutionary relationships of nonchordate
    animals. Field trips, experimental research. Three-hour lecture discussion;
    three-hour lab.

314 Evolutionary Biology ............................................................................. 3 cr
    Prereq: BIOS 101, 102, and 260. Freq: Spring (odd years).
    An introduction to the basic mechanisms of evolutionary change
    including population genetics and speciation, and a consideration of
    evolutionary history including phylogenetic estimation, the fossil record,
    and biogeography. Three-hour lecture.

317 Developmental Biology .......................................................................... 3 cr
    Prereq: BIOS 101, 102; or consent of instructor. Freq: Spring.
    Studies developmental anatomy and molecular mechanisms of
    development among representative vertebrate types from cleavage
    through organogenesis. Three-hour lecture.

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

324 Botany .................................................................................................... 4 cr
    Prereq: BIOS 101, 102. Freq: Alternate years.
    Studies plants from the viewpoints of systematics, evolution,
    morphology and ecology. Field trips. Three-hour lecture; three-hour lab.

330 Topics in Field Biology .......................................................................... 3 cr
    Prereq: BIOS 101, 102; or consent of instructor. Freq: Occasionally.
    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.

333 Restoration Ecology .............................................................................. 4 cr
    Prereq: BIOS 102 or 104. Freq: Occasionally.
    Provides a foundation in the science and practice of ecological
    restoration. Students will learn to identify dominant species of regional
    plant communities, threats to these communities and techniques to
    manage and reestablish them. Students will develop landscape and
    restoration plans for the 700+ acre UW-Parkside campus and outlying
    properties. Three-hour lecture; three-hour lab.

336 Conservation Biology ............................................................................. 3 cr
    Prereq: BIOS 102 or 104; and BIOS 210. Freq: Occasionally.
    An introduction to the biological and social aspects of conservation.
    Includes a history of the conservation movement with emphasis on
    modern techniques for monitoring and maintaining biological diversity
    on the Earth. Course will focus on relating material to local and regional
    conservation problems. Three-hour lecture.

340 Animal Behavior ..................................................................................... 4 cr
    Prereq: BIOS 210 or concurrent registration. Freq: Spring (even years).
    Emphasis on the evolution and complexity of animal behaviors based
    on a variety of animal species from invertebrates to mammals. Three-
    hour lecture; three-hour lab.

341 Mammalian Physiology ......................................................................... 3 cr
    Prereq: BIOS 210, CHEM 321; or consent of instructor; BIOS 300
    recommended. Freq: Fall.
    Advanced treatment of major mammalian organ systems and their roles
    in homeostasis. Three-hour lecture.

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

344 Plant Physiology .................................................................................... 3 cr
    Prereq: BIOS 324 or consent of instructor. Freq: Occasionally.
    Study of plant growth, development and nutrition from the physiology
    point of view. The roles of plants in food production and the environment
    will be included. Three-hour lecture.

351 Virology ................................................................................................... 3 cr
    Prereq: BIOS 260, CHEM 321; or consent of instructor. Freq: Occasionally.
    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.

355 Biology of Cancer ................................................................................... 3 cr
    Prereq: BIOS 260, CHEM 322; or concurrent registration.
    Freq: Spring (even years).
    A study of the genetic and molecular mechanisms underlying the broad
    disease of cancer. Three-hour lecture/discussion.

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

403 Applications in Aquatic and Public Health .......................................... 4 cr
    Prereq: BIOS 203, 303. Freq: Occasionally.
    Develops practical knowledge and provides experience evaluating
    microbial impact on aquatic environments and potential human health
    risks. Eight-hour lecture/lab.

410 Cellular and Molecular Immunology ..................................................... 3 cr
    Prereq: BIOS 260, 307, 309, and consent of instructor.
    Freq: Occasionally.
    The immune system and its analysis at the cellular and molecular level.
    Three-hour lecture.

411 Microbial Physiology and Diversity ....................................................... 3 cr
    Prereq: BIOS 303 or consent of instructor. Freq: Alternate years.
    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.

414 Molecular Evolution ............................................................................... 3 cr
    Prereq: BIOS 309 or 314; or consent of instructor. Freq: Occasionally.
    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.
Neuroscience .......................................................... 3 cr
Prereq: BIOS 300, 341; or consent of instructor. Freq: Occasionally.
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.

Experimental Methods/Biochemistry Lab ......................... 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 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.

Molecular Biology and Bioinformatics of Nucleic Acids ........ 4 cr
Prereq: BIOS 260, 309, and consent of instructor. Freq: Fall.
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.

Protein Biochemistry and Bioinformatics .......................... 4 cr
Prereq: BIOS 260, 309, and consent of instructor. Freq: Spring.
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.

Advanced Molecular Genetics ......................................... 3 cr
Prereq: BIOS 260, 309, and consent of instructor. Freq: Occasionally.
In-depth coverage of selected current research topics in the molecular
genetics of genomes, genes and gene products. Three-hour lecture.

Bioinformatics Programming .......................................... 4 cr
Prereq: BIOS 260, 309, and consent of instructor. Freq: Occasionally.
This course focuses on implementation of programming languages,
data structures, and data management strategies for bioinformatics
applications. Lectures and computer-based exercises emphasize
both theory and analysis of genomic and proteomic data. Three-hour
lecture; three-hour lab.

Molecular Biology and Bioinformatics Senior Project ............ 1 cr
Prereq: BIOS 453, 455. Freq: Fall, Spring, Summer.
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.

Advanced Topics in Biology ........................................... 1-4 cr
Prereq: Varies with topic. Freq: Occasionally.
Selected advanced topics in the biological sciences.

Internship in Biological Sciences ..................................... 1-3 cr
Prereq: BIOS 210, 2.80 GPA, consent of instructor.
Freq: Fall, Spring, Summer.
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.

Senior Seminar ......................................................... 1 cr
Prereq: Senior standing and consent of instructor. Freq: Fall, Spring.
Each participant presents several seminars involving literature search,
synthesis of research data, and organization into an effective oral
presentation.

Independent Study ...................................................... 1-3 cr
Prereq: Consent of instructor and department chair. Junior standing
and minimum 2.80 GPA in BIOS courses recommended. Freq: Fall,
Spring, Summer.
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.
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

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.

Program Level Outcomes
Business students build knowledge and skills in a variety of areas. However, the following learning goals are emphasized and accessed 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.
1. Fundamental Preparation Courses (16 credits) **
   Note: A minimum grade of C or better is required in each course below (C- is not acceptable).
   
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</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>MATH 112</td>
<td>College Algebra II</td>
<td>4 cr</td>
</tr>
<tr>
<td>SPCH 105</td>
<td>Public Speaking</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

   ** Advanced Writing
   Choose one:
   
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 201</td>
<td>Advanced Composition</td>
<td>3 cr</td>
</tr>
<tr>
<td>ENGL 202</td>
<td>Technical Writing</td>
<td>3 cr</td>
</tr>
<tr>
<td>ENGL 204</td>
<td>Writing for Business and Industry</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

   ** 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 cr)

2. Business Preparation Courses (15 credits) **
   Note: A minimum grade of C or better is required in each course below (C- is not acceptable).
   
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</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.

3. Business Foundation Core Courses (18 credits)
   
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</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>

   A minimum grade of C or better is required in each fundamental and preparation course (C-minus is not acceptable).

   Students must acquire an overall average GPA of 2.5 in 300/400 level foundation, major and concentration courses.

   Approved transfer classes worth fewer credits than the equivalent class can reduce the 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):

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 301</td>
<td>Intermediate Accounting I</td>
<td>3 cr</td>
</tr>
<tr>
<td>ACCT 302</td>
<td>Intermediate Accounting II</td>
<td>3 cr</td>
</tr>
<tr>
<td>ACCT 305</td>
<td>Individual Taxation</td>
<td>3 cr</td>
</tr>
<tr>
<td>ACCT 306</td>
<td>Business Taxation</td>
<td>3 cr</td>
</tr>
<tr>
<td>ACCT 400</td>
<td>Advanced Accounting</td>
<td>3 cr</td>
</tr>
<tr>
<td>ACCT 403</td>
<td>Advanced Cost Accounting</td>
<td>3 cr</td>
</tr>
<tr>
<td>ACCT 404</td>
<td>Auditing</td>
<td>3 cr</td>
</tr>
<tr>
<td>BUS 372</td>
<td>Business Law</td>
<td>3 cr</td>
</tr>
<tr>
<td>ACCT 405</td>
<td>Volunteer Income Tax Assistance</td>
<td>1 cr</td>
</tr>
</tbody>
</table>
Requirements for the Business Management Major (64-67 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, focusing their study in finance, human resource management, or general business. Students may choose more than one concentration. Advanced course work in the professional area should be taken after the student has completed most of the business foundation core courses. However, due to the sequence of course offerings, students may wish to begin advanced work in their professional areas prior to completing the entire core program. Students are encouraged to check with their faculty advisor on the scheduling of advanced course work.

The Business Management major includes fundamental and business preparation courses (31 credits), upper-level foundation core courses (18 credits), and concentration courses (15-18 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. Business Management Courses by Concentration (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.

- Required Courses (9 credits)
  - FIN 335 Investments ........................................ 3 cr
  - FIN 336 Management of Financial Institutions ............ 3 cr
  - FIN 431 Advanced Managerial Finance ....................... 3 cr

- 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 business area (accounting, business, entrepreneurship, finance, HRM, management, MIS, marketing, selling, project management, real estate, retail management, or statistics and 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 officer, compensation manager, corporate trainer, employment policy manager, labor relations manager, recruiter and recruiting manager.

- Required Course (3 credits)
  - HRM 433 Human Resource Management ....... 3 cr

- 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

- 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.)
Requirements for the Management Information Systems (MIS) Major (76 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. MIS Courses (27 credits)

1. Required MIS Foundation Core Courses (21 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MIS 220</td>
<td>Information Technology Foundations</td>
<td>3 cr</td>
</tr>
<tr>
<td>MIS 221</td>
<td>Business Programming I — Visual Basic</td>
<td>3 cr</td>
</tr>
<tr>
<td>MIS 322</td>
<td>Business Programming II — C#</td>
<td>3 cr</td>
</tr>
<tr>
<td>MIS 327</td>
<td>Business Data Communications</td>
<td>3 cr</td>
</tr>
<tr>
<td>MIS 328</td>
<td>Database Management Systems</td>
<td>3 cr</td>
</tr>
<tr>
<td>MIS 425</td>
<td>System Analysis and Design</td>
<td>3 cr</td>
</tr>
<tr>
<td>MIS 428</td>
<td>IS Planning and Project Management</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

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 429 e-Business .................................................. 3 cr
- PMGT 341 Basics of Project Management ...................... 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

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)

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MKT 354</td>
<td>Marketing Research</td>
<td>3 cr</td>
</tr>
<tr>
<td>MKT 355</td>
<td>Buyer Behavior</td>
<td>3 cr</td>
</tr>
<tr>
<td>MKT 358</td>
<td>Promotions Management</td>
<td>3 cr</td>
</tr>
<tr>
<td>MKT 452</td>
<td>Product Management</td>
<td>3 cr</td>
</tr>
<tr>
<td>MKT 455</td>
<td>Marketing Management</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

2. Elective Course (3 credits):

Choose one:

- MKT 356 Global Marketing ..................................... 3 cr
- MKT 357 Multicultural Marketing ........................... 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
- 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. Fundamental Preparation Courses (10 credits) *

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
</table>
| MATH 112 | College Algebra II .................................... 4 cr
| ECON 120 | Principles of Microeconomics                     | 3 cr    |
| ECON 121 | Principles of Macroeconomics                     | 3 cr    |

B. Business Preparation Courses (6 credits) *

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</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>Description</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 (Molina o Hall 344).

A. Business Functional Area Foundation Course (3 credits)
   Choose one:
   - FIN 330 Managerial Finance .........................3 cr
   - MKT 350 Marketing Principles ........................3 cr

B. Required Course (3 credits)
   - MGT 446 Global Management ..........................3 cr

C. Elective Courses (6 credits)*
   Choose two:
   - FIN 437 International Financial Management ....3 cr
   - MKT 356 Global Marketing .............................3 cr
   - BUS 490 Special Topics in Business Management -
     An approved international business study tour ..........3 cr
   Additional pre-approved international business courses .3 cr

D. Additional Elective Course (3 credits)
   Choose one additional elective from either the list below or courses not yet listed above:
   - ECON 308 Economic Development ....................3 cr
   - ECON 310 International Trade ..........................3 cr
   - POLS 304 Theories of International Relations ....3 cr
   - BUS 494 Internship in Business ....................3 cr

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 complement 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 Course (6 credits)
   - MIS 327 Business Data Communications ........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.

Required Courses (15 credits)
   - BUS 100 Intro to Business ..............................3 cr
   - FIN 234 Personal Financial Planning ..............3 cr
   - ECON 121 Principles of Macroeconomics ........3 cr
   - OR ECON 101 The American Economy ............3 cr
   - ACCT 201 Financial Accounting .................. 3 cr
   - ENTR 250 Entrepreneurial Principles ............3 cr

Requirements for the Entrepreneurship Certificate (12 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 (12 credits)**

- ENTR 250 Entrepreneurial Principles .................. 3 cr
- ENTR 350 Entrepreneurial Leadership .................. 3 cr
- ENTR 400 Entrepreneurial Strategy .................... 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

**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

**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).

Course Descriptions

ACCOUNTING (ACCT)

201 Financial Accounting ................................................................. 3 cr

Prereq: MATH 111, Microsoft Excel knowledge. Freq: Fall, Spring.
An introduction to financial accounting emphasizing basic concepts and procedures in accumulating, measuring, and communicating financial information. Includes preparation, analysis, and interpretation of financial statements.
Managerial Accounting .......................... 3 cr
Prereq: ACCT 201, QM 210, ECON 120, 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.

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.

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.

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.

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.

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.

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.

Accounting Theory .......................... 3 cr
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.

Accounting Systems .......................... 3 cr
Prereq: ACCT 301, MIS 320. Freq: Occasionally.
Planning, design and examination of both manual and computer-based accounting information systems, with particular emphasis on internal control requirements.

Advanced Cost Accounting .......................... 3 cr
Prereq: ACCT 202. Freq: Fall.
Cost information for management planning and control. Capital budgeting, project appraisal, marketing cost effectiveness, segment reporting, transfer pricing, measuring divisional performance, and profit analysis.

Auditing .......................... 3 cr
Prereq: ACCT 302, MIS 320. Freq: Spring.
Study of auditing of financial statements and internal control. Emphases include AICPA standards, audit reports, audit evidence including sampling, EDP auditing, professional ethics, and accountant's legal liability.

Volunteer Income Tax Assistance (VITA) .................. 1 cr
Prereq: ACCT 305. Freq: Spring.
VITA is a volunteer program administered by the Internal Revenue Service. Students will prepare income tax returns and provide other tax assistance for low-income, elderly, and other individuals requiring income tax assistance at public sites in the Racine and Kenosha area. Credit/no-credit grading basis.

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

Internship in Accounting .......................... 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.

Independent Study in Accounting .......................... 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 accounting under the supervision of a faculty member. Six hours credit maximum.

BUSINESS (BUS)

Introduction to Business .......................... 3 cr
Prereq: None. Freq: Fall, Spring.
An introduction to the role of business in modern society; the functional areas of the business enterprises. Not open to juniors and seniors majoring in business.

Business Communication for International Students .......................... 3 cr
Prereq: None. Freq: Occasionally.
Prepares international students for classes and the English speaking business environment.

Legal Environment of Business .......................... 3 cr
Prereq: None. Freq: Fall, Spring.
The legal and ethical environment in which business operates, with emphasis on government regulation.

Special Topics in Business Management .......................... 1-3 cr
Prereq: None. Freq: Occasionally.
Selected topics in business management. Subject varies; see current course schedule.

Business Law .......................... 3 cr
Prereq: BUS 272. Freq: Spring.
A study of the substantive areas of law relating to business including contracts, the Uniform Commercial Code, and business organizations.

Simulation .......................... 3 cr
Prereq: QM 210,319. Freq: Occasionally.
Focuses on modeling the situations that are commonly observed in manufacturing or service industries. Analyzes simulation results and how to make appropriate business decisions. Provides experience of using ARENA software and enhances understanding of Excel for simulation purposes.

Special Topics in Business Management .......................... 1-3 cr
Prereq: Dependent on subject matter. Freq: Occasionally.
Selected topics in business management. Subject varies; see current course schedule.

Competitive Decision Making .......................... 3 cr
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&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.

Internship in Business .......................... 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.
ENTREPRENEURSHIP (ENTR)

250 Entrepreneurial Principles ................................................................. 3 cr
Prereq: Sophomore standing; BUS 100 or other business course or concurrent registration. Freq: Fall.
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.

350 Entrepreneurial Leadership ................................................................. 3 cr
Prereq: Sophomore standing; BUS 100 or other business course; ENTR 250 or concurrent registration. Freq: Yearly.
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.

400 Entrepreneurial Strategy ................................................................. 3 cr
A "Capstone course" that requires creating a business plan. The course is functionally integrative, using case studies that incorporate the many functions involved in new ventures.

450 Entrepreneurial Projects ................................................................. 3 cr
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.

FINANCE (FIN)

234 Personal Financial Planning ......................................................... 3 cr
Prereq: Computational skills requirement or equivalent. Freq: Fall, Spring.
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. Course cannot be used as a finance or general business concentration elective.

330 Managerial Finance ................................................................. 3 cr
Prereq: ACCT 201, QM 210 or MATH 309, ECON 121. Freq: Fall, Spring.
Introduction to concepts and practices of managerial finance, value of money, bond and stock valuation, financial statements, capital budgeting, and cost of capital.

335 Investments ................................................................. 3 cr
Prereq: QM 310, FIN 330. Freq: Fall.
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.

336 Management of Financial Institutions ......................................................... 3 cr
Prereq: QM 310, FIN 330 or concurrent registration. Freq: Spring.
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.

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.

HUMAN RESOURCE MANAGEMENT (HRM)

343 Human Resource Management ......................................................... 3 cr
Prereq: Junior or senior standing. Freq: Fall, Spring.
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.

499 Independent Study 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 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.

MANAGEMENT (MGT)

349 Organizational Behavior .............................................3 cr
Prereq: Junior or senior standing. Freq: Fall, Spring.
An introduction to individual and group behavior in organizations and to organizational theory. Topics include motivation, communication, stress, leadership decision-making, organizational processes and structures, and interactions between organizations and external environments.

446 Global Management ..................................................3 cr
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. The course entails 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.

447 Management Techniques ............................................3 cr
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, awards, delegation, and conflict resolution.

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

494 Internship in 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.

499 Independent Study in 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 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.

MANAGEMENT INFORMATION SYSTEMS (MIS)

220 Information Technology Foundations ..........................3 cr
Prereq: MATH 111. Freq: Spring.
Basic foundations in computer software, hardware, business applications, projects, and careers. Introduces project management and web page development including markup languages and style sheets.

221 Business Programming I – Visual Basic ......................3 cr
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.

290 Special Topics in Management Information Systems ......1-3 cr
Prereq: Dependent on subject matter. Freq: Occasionally. Selected topics in MIS; subject matter varies.

320 Management Information Systems ..............................3 cr
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.

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 Business Data Communications ................................3 cr
Prereq: None. Freq: Fall.
Fundamental principles of data communications, analysis and design of computer communication networks ranging from LAN to global networks, state-of-the-art communication technology, network monitoring and management. This course may be offered online.

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. 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 Records Maintenance.

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. Freq: Spring.
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; and XML: strategy, e-business global issues, software agents, and societal implications of e-business. This course may be offered online.

430 Global Marketing............................................................... 3 cr
Prereq: MKT 350, 355, and 354 or consent of instructor. Freq: Spring, Summer.
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.

431 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.

432 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.

433 Advanced Project Management Tools and Techniques........ 3 cr
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
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.
REAL ESTATE (RLST)

380 Real Estate Principles.........................................................3 cr
   Prereq: Junior or senior standing. Freq: Occasionally.
   Provides students with an understanding of real estate markets and
   service providers working within these markets; exposes students
   to the informational requirements of real estate transactions and the
   elements of real estate contracts.

381 Real Estate Law .................................................................3 cr
   Prereq: RLST 380. Freq: Occasionally.
   Focuses on real estate law covering disputes that often arise in a real
   estate transaction as well as the questions raised in the day-to-day
   operations of a real estate broker’s office, including in-depth analysis
   of real estate contracts.

382 Real Estate Valuation and Investment .............................3 cr
   Prereq: Junior or senior standing. Freq: Occasionally.
   Introduces students to the tools used by real estate investors, lenders,
   brokers, developers, and appraisers to evaluate the income producing
   potential of various real estate investments.

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.
   Design and management of service businesses. Includes processes,
   technology, location, customer service, capacity and demand queues.
   Quantitative tools included.

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.

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.

STATISTICS AND QUANTITATIVE METHODS (QM)

210 Business Statistics I.......................................................3 cr
   Prereq: MATH 112. Freq: Fall, Spring.
   Introduction to descriptive statistical analysis; probability and
   expectation; discrete and continuous probability models; sampling
   distributions; hypothesis testing and estimation. Emphasis is on a
   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.
   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.
   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.
CHEMISTRY
UW-PARKSIDE 2015-17 CATALOG

Greenquist 344 • 262-595-2326

College:
Natural and Health Sciences

Degree and Programs Offered:
Bachelor of Science
Major - Chemistry
Minor - Chemistry
Certificate - Green Chemistry

Professional Accreditations and Memberships:
The chemistry degree program is approved by the American Chemical Society.

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.

Program Goals and Learning Outcomes
1. Students develop a knowledge and understanding of chemistry and use it to communicate results from scientific studies in the field of chemistry 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
(71-72 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.

A. Required Core Chemistry Courses (42 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>5 cr</td>
</tr>
<tr>
<td>CHEM 102</td>
<td>General Chemistry II</td>
<td>5 cr</td>
</tr>
<tr>
<td>CHEM 206</td>
<td>Quantitative Analysis</td>
<td>5 cr</td>
</tr>
<tr>
<td>CHEM 302</td>
<td>Physical Chemistry I</td>
<td>4 cr</td>
</tr>
<tr>
<td>CHEM 303</td>
<td>Physical Chemistry II</td>
<td>3 cr</td>
</tr>
<tr>
<td>CHEM 304</td>
<td>Physical Chemistry Laboratory I</td>
<td>3 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>
<tr>
<td>CHEM 324</td>
<td>Chemistry of Biological Systems</td>
<td>3 cr</td>
</tr>
<tr>
<td>CHEM 400</td>
<td>Instrumental Analysis Laboratory</td>
<td>3 cr</td>
</tr>
</tbody>
</table>
Students may substitute CHEM 113, 114 and 208 for 101, 102 and 206.

B. Physics and Mathematics Courses (20 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</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>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>
</tbody>
</table>

C. Chemistry Elective Courses (9-10 credits)

1. Choose Two Courses (6 Credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 306</td>
<td>Chemical Instrumentation</td>
<td>3 cr</td>
</tr>
<tr>
<td>CHEM 310</td>
<td>Inorganic Chemistry*</td>
<td>3 cr</td>
</tr>
<tr>
<td>CHEM 402</td>
<td>Advanced Organic Chemistry*</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

2. Choose One Course (2-3 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 305</td>
<td>Physical Chemistry Laboratory II</td>
<td>2 cr</td>
</tr>
<tr>
<td>CHEM 401</td>
<td>Advanced Organic Laboratory*</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

3. Choose One Course (1 credit)

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 495</td>
<td>Senior Seminar</td>
<td>1 cr</td>
</tr>
<tr>
<td>CHEM 497</td>
<td>Senior Thesis</td>
<td>1 cr</td>
</tr>
</tbody>
</table>

* CHEM 310 and 401 are required for American Chemical Society approval.

Biochemistry Concentration in the Chemistry Major (17 credits)

The concentration in biochemistry provides excellent background for careers and for graduate or professional study in biochemistry, medicine, microbiology, molecular biology, pharmacy, pharmacology, pharmaceutical chemistry and other biological sciences. Because this concentration includes biological science courses in addition to most of the courses required for the chemistry major, it also provides a broader background for chemistry students who wish to terminate their training at the baccalaureate level.

Biochemistry Concentration Requirements (17 credits)

Students in the biochemistry concentration complete the following courses rather than the electives listed under category C. Chemistry Elective Courses. CHEM 307 may substitute for CHEM 324 listed in category A.

1. Required Courses (16 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOS 101</td>
<td>Bioscience</td>
<td>4 cr</td>
</tr>
<tr>
<td>BIOS 102</td>
<td>Organismal Biology</td>
<td>4 cr</td>
</tr>
<tr>
<td>BIOS 309</td>
<td>Molecular Biology</td>
<td>3 cr</td>
</tr>
<tr>
<td>CHEM 308</td>
<td>Biochemistry Laboratory</td>
<td>2 cr</td>
</tr>
<tr>
<td>CHEM 410</td>
<td>Advanced Biochemistry</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

2. Choose One Course (1 credit)

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 495</td>
<td>Senior Seminar</td>
<td>1 cr</td>
</tr>
<tr>
<td>CHEM 497</td>
<td>Senior Thesis</td>
<td>1 cr</td>
</tr>
</tbody>
</table>

American Chemical Society Approved Major

Students wishing to qualify for official recognition of the major by the American Chemical Society must include CHEM 310 Inorganic Chemistry and CHEM 401 Advanced Organic Laboratory in their program.

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.

Requirements for the Chemistry Minor

(23-26 credits)

A minor in chemistry can be earned by obtaining at least 23 credits in an approved group of courses in general, analytical and organic chemistry with lab. Students must attain a GPA of at least 2.00 in all courses required for the minor. The two approved groupings of UW-Parkside courses are:

A. Option One Courses (26 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 101</td>
<td>General Chemistry I</td>
<td>5 cr</td>
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<tr>
<td>CHEM 102</td>
<td>General Chemistry II</td>
<td>5 cr</td>
</tr>
<tr>
<td>CHEM 206</td>
<td>Quantitative Analysis</td>
<td>5 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>

*CHEM 310 and 401 are required for American Chemical Society approval.

OR

B. Option Two Courses (23 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 113</td>
<td>Chemical Principles I</td>
<td>5 cr</td>
</tr>
<tr>
<td>CHEM 114</td>
<td>Chemical Principles II</td>
<td>5 cr</td>
</tr>
<tr>
<td>CHEM 208</td>
<td>Contemporary Chemical Analysis</td>
<td>2 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>

*CHEM 310 and 401 are required for American Chemical Society approval.

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.

A. Option One Courses (18-23 credits)

1. Required Courses (16 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 101</td>
<td>General Chemistry I</td>
<td>5 cr</td>
</tr>
<tr>
<td>CHEM 102</td>
<td>General Chemistry II</td>
<td>5 cr</td>
</tr>
<tr>
<td>CHEM 220</td>
<td>Introduction to Green Chemistry</td>
<td>2 cr</td>
</tr>
<tr>
<td>CHEM 321</td>
<td>Organic Chemistry I</td>
<td>4 cr</td>
</tr>
</tbody>
</table>

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.
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, and 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 .................................................................5 cr
Prereq: MATH 111 or concurrent enrollment or a minimum grade of C in CHEM 100. Freq: Fall, Spring.
The first half of an introductory course in general chemistry for science majors covering the fundamental principles of chemistry. Three-hour lecture; one-hour discussion; three-hour lab.

102 General Chemistry II .................................................................5 cr
Prereq: CHEM 101. Freq: Fall, Spring.
A continuation of CHEM 101. Three-hour lecture; one-hour discussion; three-hour lab.

2. Choose One Course (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 Courses (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

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.
A course in 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.

206 Quantitative Analysis .........................................................5 cr
Prereq: C or better in CHEM 102 or consent of instructor.
Freq: Fall, Summer.
Overview of extraction techniques, sample preparation and statistical analysis. Chemical kinetics and equilibrium applied to the analysis of complex mixtures using acid-base, complexation, precipitation, oxidation-reduction and electrochemical methods. Overview of chemical instrumentation and data processing, theory and use of various chromatographic and spectroscopic methods. Two-hour lecture, one-hour discussion, six-hour lab.

208 Contemporary Chemical Analysis .........................................2 cr
Prereq: C or better in CHEM 114. Freq: Occasionally.
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 qualitative components. One-hour lecture; three-hour lab.

209 Environmental Analysis Laboratory .......................................2 cr
Prereq: CHEM 109 or concurrent enrollment or consent of instructor.
Freq: Occasionally.
Provides students with an introduction to analytical techniques commonly employed with environmental samples. This overview includes understanding regulatory limits, proper reporting of analytical results, and validation techniques. Students receive hands-on experience analyzing air, water and soil samples for easy and difficult to analyze components. This course is intended to serve environmental studies majors. Four-hour lab.

215 Organic and Biochemistry .................................................4 cr
Prereq: CHEM 102 or 114 or 115. Freq: Spring.
An overview of organic chemistry followed by a study of the structure and function of important biomolecules and energy metabolism. Follows CHEM 115 in the sequence for nursing students. Not open to students with credit in CHEM 322 or BIOS 307. Three-hour lecture; three-hour lab.
230 Introduction to Green Chemistry .....................................................2 cr
Prereq: CHEM 215 or CHEM 321 or concurrent registration in CHEM 321 or consent of instructor. Freq. Occasionally
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.

231 Green Chemistry Laboratory .........................................................2 cr
Prereq: CHEM 215 or CHEM 321 or concurrent registration in CHEM 321 or consent of instructor. Freq. Occasionally.
Illustrates the principles of green chemistry and their application to contemporary problems through laboratory experiments. Four-hour lab. Lab Fee.

290 Special Topics .................................................................1-4 cr
Prereq: Consent of instructor. Freq. Occasionally. Selected topics in chemistry.

302 Physical Chemistry I ..........................................................4 cr
Prereq: C or better in CHEM 206 or 208 and in MATH 221 and PHYS 202 or consent of instructor. Freq: Fall.
A study of thermodynamics and chemical kinetics. Laboratory utilizes spreadsheets and higher level programming for numerical analysis. Three-hour lecture; three-hour lab.

303 Physical Chemistry II .......................................................3 cr
Prereq: CHEM 302. Freq: Spring.

304 Physical Chemistry Laboratory I ..............................................3 cr
Prereq: CHEM 302 or consent of instructor. Freq: Spring.
Experiments focus on macroscopic phenomena including physical properties of matter, kinetics, and thermodynamics. Six-hour lab. Lab fee.

305 Physical Chemistry Laboratory II .............................................2 cr
Prereq: CHEM 303, concurrent registration or consent of instructor. Freq: Occasionally.
Theory and practice of spectroscopy; a wide range of spectroscopic techniques is examined. One-hour lecture; three-hour lab.

306 Chemical Instrumentation .......................................................3 cr
Prereq: C or better in CHEM 206 or 208 and completion of PHYS 202 and CHEM 323 or consent of instructor. Freq: Fall (even years).
Study of the construction and principles of operation of modern instruments and their use in the chemistry laboratory. Three-hour lecture.

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

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 or 114. Freq: Fall, Spring.
A study of aliphatic and aromatic compounds with emphasis on structure, reaction mechanisms, and synthesis. Introduction to spectroscopy. Three-hour lecture; one-hour discussion.

322 Organic Chemistry II .........................................................4 cr
Prereq: CHEM 321. Freq: Fall, Spring.
A continuation of CHEM 321. More extensive use of spectroscopy in the elucidation of structures and reaction mechanisms. The chemistry of functional groups, syntheses, and selected topics. Three-hour lecture; one-hour discussion.

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
Prereq: CHEM 322 Freq: Fall.

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

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: BIOS 240 or CHEM/BIOS 307 or CHEM 324 or consent of instructor. Freq: Spring (even years).
A study of 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

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.

620 Advanced Biochemistry

Prereq: BIOS 240 or CHEM/BIOS 307 or CHEM 324 or consent of instructor. Freq: Spring (even years).
Advanced topics in biochemistry including thermodynamics, protein structure, and enzyme kinetics and mechanisms. Not open to students with credit in CHEM 410.
Communication

College:
Arts and Humanities.

Degree and Programs Offered:
Bachelor of Arts.
Major – Communication
Minors – Communication, Organizational Communication, Public Relations
Certificates – Conflict Analysis and Resolution, Digital and Media Literacy

Department Overview
Communication is a degree for the 21st century.

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. In an increasingly global society with dynamic and emerging technologies, the ability to communicate with digital and social media is equally important.

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.

The 21st century needs competent communicators.

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 uncertain future by teaching them how to question, problem-solve, collaborate, and communicate effectively with a diversity of people in multiple situations.

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 areas 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 three communication minors for non-majors: communication, organizational communication, and public relations (each 18 credits). There are also two certificate programs that are open to all students, including communication majors and minors: the conflict analysis & resolution certificate (12 credits) and the digital & media literacy certificate (15 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 may be counted toward the major. An internship may be repeated for a maximum of 6 credits.

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
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 considered pending majors but will still be assigned a communication advisor.

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.

Additionally, as they near completion of their required lower-level courses, 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 I, Part I....................3 cr
   COMM 208  Introduction to the Communication Discipline II, 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)
   A. Any level (3 credits)
   B. 300-level (9 credits)
   C. 400-level (3 credits)

C. General Elective Courses Outside Communication Department - 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 Minor in Communication (GENERALIST) (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)
   A. Communication course at any level (3 credits)
   B. 300 or 400-level communication courses (9 credits)

These credits must be approved by a departmental adviser to ensure an appropriate and timely sequence of courses.
Requirements for the Minor in Organizational Communication (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.

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 Minor in Public Relations (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.

Required Courses (18 credits)
   COMM 108  Media and Society .........................3 cr
   COMM 255  Writing for Multimedia .......................3 cr
   OR
   ENGL 204  Writing for Business and Industry ..........3 cr
   COMM 322  Public Relations Concepts and Practices 3 cr

Requirements for the Certificate in Conflict Analysis and Resolution (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 Core 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/ ETHN 363  Communication and Ethnicity ..........3 cr
      COMM 370  Communication and Social Movements ..........3 cr
      COMM 490  Special Topics in Communication (topic approval required) ..........1-3 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

ENGL 385  Professional Editing ..................................3 cr
COMM 480  Practicum in Organizational Communication ..........3 cr
COMM 494  Communication Internship (internship must be approved by communication adviser for the public relations minor) ..........3 cr

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Requirements for the Certificate in Digital and Media Literacy (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 opportunities for 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. Core Courses (9 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 108 Media and Society</td>
<td>3 cr</td>
</tr>
<tr>
<td>COMM 368 Children and the Media</td>
<td>3 cr</td>
</tr>
<tr>
<td>COMM 463 Gender, Race, Class and Sexualities in Media</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

B. Elective Courses (6 credits)

Choose two:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 360 Contemporary Media Industries</td>
<td>3 cr</td>
</tr>
<tr>
<td>COMM 366 Communication and Popular Music</td>
<td>3 cr</td>
</tr>
<tr>
<td>COMM 390 Special Topics in Communication (topic approval required)</td>
<td>3 cr</td>
</tr>
<tr>
<td>COMM 430 Digital and Social Media Communication</td>
<td>3 cr</td>
</tr>
<tr>
<td>COMM 435 Integrated Marketing Communication</td>
<td>3 cr</td>
</tr>
<tr>
<td>COMM 490 Special Topics in Communication (topic approval required)</td>
<td>3 cr</td>
</tr>
<tr>
<td>COMM 494 Communication Internship (approval required)</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

C. Final Project Course (1 credit)

COMM 468 Digital and Media Literacy Project | 1 cr |

Courses in Communication (COMM)

107 Communication and the Human Condition
Prereq: None. Freq: Fall, Spring.
Examines social aspects of human life, including a strong focus on how identity, culture and social relationships are managed in interaction. Includes an introduction to how language constructs a version of the world in interaction. Must earn a grade of C or better for credit toward major.

108 Media and Society
Prereq: None. Freq: Fall, Spring.
Explores digital, broadcast and print media in the context of contemporary life. Must earn a grade of C or better for credit toward the major.

202 Group Communication
Prereq: None. Freq: Yearly.
Explores various concepts in group communication including group development, climate, problem solving, decision making, and power.

205 Oral Interpretation
Prereq: None. Freq: Fall, Spring.
Students perform selections from a range of literature that may include poetry, prose, children's literature, drama and nontraditional texts. Provides an experience before an audience with emphasis on the improvement of oral expression and articulation.

207 Introduction to the Communication Discipline, Part I
Prereq: COMM 107, 108. Freq: Fall, Spring.
Introduces the communication discipline as a community of practice. Emphasizes the practical uses of contemporary communication theory and research to solve problems.

208 Introduction to the Communication Discipline, Part II
Students develop their professional identities as practitioners of communication research.

255 Writing for Multimedia
Prereq: ENGL 101, COMM 108; or consent of instructor. Freq: Fall, Spring.
Writing for print, digital and social media.

285 Introduction to Conflict Analysis and Resolution
Prereq: COMM 107 or consent of program adviser. Freq: Fall, Spring.
Surveys approaches to understanding, transforming, and resolving conflicts. Includes case studies at the interpersonal, organizational, community/cultural, and international levels.

290 Special Topics in Communication
Prereq: COMM 107 or 108; or consent of instructor. Freq: Occasionally.
Selected topics in communication will be examined.

295 Sophomore Seminar
Prereq: COMM 107 or 108. Freq: Fall, Spring.
Introduces students to the communication major. Reviews departmental learning objectives, explores communication careers and assists students in developing a professional identity.

303 Organizational Communication
Prereq: Core courses or consent of instructor. Freq: Fall.
Examines the role of communication in organizational settings. Topics include organizational communication theories and elements; as well as contemporary organizational systems and their functioning.

310 Interpersonal Communication
Prereq: COMM 107, 207, 208. Freq: Fall.
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
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 WGS 315.

320 Privilege and Power
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
Prereq: SPCH 105 or COMM 205; COMM 107, 108. Freq: Fall.
Surveys theoretical and practical concepts involved in the practice of public relations such as rhetorical theory, interviewing techniques and execution, survey creation, and an introduction to Qualtrics software.

330 Communication and Socialization
Prereq: Core courses and COMM 310, or consent of instructor. Freq: Occasionally.
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
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. The ethical implications of language use in contemporary contexts will be addressed.
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.
Critical examination of communication practices which construct, maintain, transform, or threaten ethnic identity in a co-cultural context. May be repeated with different content. Emphasis rotates among African Americans, Asian Americans, Latinos/as, and Native American Indians. Cross-listed with ETHN 363.

365 Intercultural Communication ............................................ 3 cr
Prereq: COMM 107, 207, 208; or consent of instructor. Freq: Fall.
Examines 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.
Examines 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.

370 Communication and Social Movements ............................ 3 cr
Prereq: Core courses or consent of instructor. Freq: Occasionally.
Focuses on the role of interpersonal and media communication in organizing, carrying out, and documenting social movements.

385 Conflict Mediation ............................................................ 3 cr
Prereq: COMM 285 with a grade of C or better; or consent of instructor. Freq: Spring.

390 Special Topics in Communication ................................... 1-3 cr
Prereq: Core courses or consent of instructor. Freq: Occasionally.
Selected topics in communication will be examined.

430 Digital and Social Media Communication ....................... 3 cr
Prereq: COMM 360, junior standing; or consent of instructor. Freq: Occasionally.
Examines critical analysis and application of Internet communication, including social networking, crowdsourcing, online communities and collaboration, identity and privacy issues, and other topics.

435 Integrated Marketing Communication ........................... 3 cr
Prereq: COMM 360, junior standing; or consent of instructor. Freq: Fall.
Examines marketing communication approaches, including advertising, public relations, and emerging digital and social media. Possible community-based learning.

460 Global Media ................................................................. 3 cr
Prereq: COMM 360, junior standing; or consent of instructor. Freq: Spring.
Examines global media through the lens of culture, politics, and economics.

463 Gender, Race, Class and Sexualities in Media ................ 3 cr
Prereq: COMM 360. Junior standing or consent of instructor. Freq: Fall.
Examines how representations of gender, race, class, and sexualities in the media contribute to our cultural identities. Cross-listed with WGSS 463.

468 Digital and Media Literacy Project .................................. 1 cr
Prereq: Consent of instructor and department chair. Freq: Fall, Spring.
A capstone experience in which the student, under the guidance of a faculty member, prepares and conducts a digital media literacy activity in the community.

480 Practicum in Organizational Communication ............... 3 cr
Prereq: Consent of instructor. Freq: Yearly.
Pacticum that involves applying principles from public relations and/or organizational communication to an actual organization in the community. Specific topic may address developing a public relations campaign, training and developing, or consulting. May be repeated for credit with a different topic.

485 Practicum in Conflict Intervention ................................. 3 cr
Prereq: COMM 285, 385 with a grade of C or better; Freq: Fall.
Examines conflict intervention in a public setting (school, business, or community). Includes in-class training and supervised field experience.

490 Special Topics in Communication .................................. 1-3 cr
Prereq: Core courses or consent of instructor. Freq: Occasionally.
Selected topics in communication will be examined.

494 Communication Internship .............................................. 1-3 cr
Prereq: COMM major, 2.80 GPA in the major; senior standing; or consent of instructor and department chair. Freq: Fall, Spring, Summer.
Field experience combined with a guided, systematic and -structured application of communication concepts. Consult departmental internship director for procedures. May be repeated for a maximum of 6 credits. Up to 3 credits may be applied to the major.

495 Senior Seminar ............................................................... 3 cr
Prereq: Core courses; graduating senior, 2.25 cumulative GPA; or consent of instructor. Freq: Fall, Spring.
Assesses, integrates, and extends the student's intellectual grasp of the field. Includes career development planning. Taken during a student's final semester.

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 credit.
COMMUNITY BASED LEARNING

Program Offered:
Certificate - Community Based Learning

Program Overview
Students may earn a certificate in community based learning by taking courses in various subject areas that incorporate a hands-on learning experience. This is a coherent, yet flexible, program that documents students’ experiences at putting theoretical concepts to use in applied community settings. This program contributes to the university’s mission by consistently connecting students to the community through experiential learning opportunities connected to course learning objectives.

Community based learning experiences are intended to strengthen students’ ability to contribute meaningfully to the community, enhance their professional preparation and provide relevance to course work. Community based learning courses 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 Certificate in Community Based Learning (CBL)
Complete a program declaration (plan declaration form). Declarations must be approved by the faculty director or the community based learning coordinator. The forms are available in the Academic Advising Center.

Requirements for the Certificate in Community Based Learning (12 credits)
The certificate requirements include two required courses and two elective courses that offer CBL credit.

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

B. Elective Courses (6 credits)
   Two additional courses that offer a CBL project or placement:
   1. Courses designated in the course schedule as community based learning (CBL) 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 CBL coordinator or faculty director and have it count toward the Certificate in CBL
   3. Internships may be used for CBL credit and should conform to UW-Parkside policies and procedures for internships (see the Programs and Policies section of this catalog).

C. Capstone Required (3 credits)
   CBL 495 Capstone in Community Based Learning*............................3 cr

* Note: Another 495 capstone course may be used to fulfill this requirement with approval from the faculty director or CBL coordinator.
Courses in Community Based Learning (CBL)

101 Introduction to Community Based Learning.........................3 cr
Prereq: None. Freq: Fall, Spring.
Prepares students for community based learning experiences by exposing them to relevant philosophical and/or theoretical approaches, good practice and applied exercises related to civic engagement and community development. Provides a common understanding of the intent of these experiences, including the relevance to academic and career objectives.

290 Special Topics in Community Based Learning ..................1-3 cr
Prereq: None. Freq: Occasionally;
Selected topics in community based learning will be examined.

390 Special Topics in Community Based Learning ..................1-3 cr
Prereq: None. Freq: Occasionally;
Selected topics in community based learning will be examined.

495 Capstone in Community Based Learning..........................3 cr
Prereq: CBL 101 or consent of instructor. Freq: Fall, Spring.
This course provides an integrative experience for students after they have completed extensive community based learning work, helping them connect these experiences more fully to other academic principles and to their occupational aspirations, and making certain all intended learning outcomes of the community based learning certificate have been accomplished. Students will do this integration while completing a major community project, with the support of other students also doing community projects, and complete a portfolio documenting the value of the community based learning experience. Major community building perspectives and theories are incorporated into the course.

499 Independent Study in Community Based Learning ..........1-4 cr
Prereq: Consent of instructor and department chair.
Freq: Occasionally.
COMPUTER SCIENCE

UW-PARKSIDE 2015-17 CATALOG

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College:
Business, Economics, and Computing

Degrees and Programs Offered:
Bachelor of Science, Master of Science (see graduate section)

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 technology as they grow as professionals.

Laboratory experiences are an integral component 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 331 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.
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 learning goals of the computer science major are aligned with ABET (Accreditation Board for Engineering and Technology) and the university’s Shared Learning Goals. ABET student outcomes are defined preceded by a letter: e.g., a). ABET goals are grouped according to the university’s Shared Learning Goals.

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:

- PHYS 201 General Physics I.............................5 cr
- OR
- CHEM 101 General Chemistry I..........................5 cr

**C. Required Major Courses (62-63 credits)**

1. **Computer Science Courses (41 credits)**

CSCI/ MATH 231 Discrete Math..................................3 cr
CSCI 241 Computer Science I..................................5 cr
CSCI 242 Computer Science II..................................4 cr
CSCI 245 Assembly Language Programming.............3 cr
CSCI 309 Probability and Statistics........................3 cr
CSCI 333 Programming Languages..........................3 cr
CSCI 340 Data Structures and Algorithms................3 cr
CSCI 355 Computer Architecture..........................3 cr
CSCI 370 Operating Systems..................................3 cr
CSCI 380 Database Management Systems..................3 cr
CSCI 475 Software Engineering Principles and Practice I..................................3 cr
CSCI 476 Software Engineering Principles and Practice II..................................3 cr
CSCI 495 Computer Science Seminar......................2 cr

2. **Elective Major Courses (12 credits)**

Choose four courses:

- CSCI 331 Computational Models..........................3 cr
- CSCI 405 Artificial Intelligence..........................3 cr
- CSCI 420 Computer Graphics..............................3 cr
- CSCI 421 Computer Vision..................................3 cr
- CSCI 422 Multimedia Systems............................3 cr
- CSCI 423 Mobile Development II..........................3 cr
- CSCI 424 Networked Applications........................3 cr
- CSCI 440 Compiler Design and Implementation........3 cr
- CSCI 444 Event-Driven Programming......................3 cr
- CSCI 445 Web Security......................................3 cr
- CSCI 467 Computability and Automata....................3 cr
- CSCI 477 Computer Communications and Networks.....3 cr
- CSCI 478 Network Security.................................3 cr
- CSCI 479 Information Systems Security..................3 cr
- CSCI 480 Advanced Databases............................3 cr

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, arts, business and economics. Pre-approved packages include:

- MATH 222 and 301
- MATH 222 and PHYS 202
- CHEM 102 and 215
- Select any 3 courses from: ACCT 201, BUS 272, FIN 330, MGT 349, and 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 (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 (29 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 I</td>
<td>5 cr</td>
</tr>
<tr>
<td>MATH 223</td>
<td>Calculus and Analytic Geometry III</td>
<td>5 cr</td>
</tr>
<tr>
<td>MATH 301</td>
<td>Linear Algebra</td>
<td>4 cr</td>
</tr>
<tr>
<td>MATH 303</td>
<td>Set Theory, Logic and Proof</td>
<td>3 cr</td>
</tr>
<tr>
<td>MATH 317</td>
<td>Differential Equations and Their Applications</td>
<td>4 cr</td>
</tr>
<tr>
<td>MATH 350</td>
<td>Advanced Calculus</td>
<td>4 cr</td>
</tr>
<tr>
<td>MATH 367</td>
<td>Elementary Number Theory</td>
<td>4 cr</td>
</tr>
<tr>
<td>MATH 441</td>
<td>Abstract Algebra</td>
<td>4 cr</td>
</tr>
</tbody>
</table>

Students completing the computer science/mathematics double major are strongly encouraged to take CSCI 331 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)

<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>
</tbody>
</table>

B. Required Computer Science Courses (15 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<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 340</td>
<td>Data Structures and Algorithm Design</td>
<td>3 cr</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CSCI 380</td>
<td>Database Management Systems</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

C. Elective Courses (6 credits)

At least 6 credits of CSCI courses numbered 331 or above, excluding CSCI 375.

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)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 104</td>
<td>Introduction to Digital Art</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 377</td>
<td>Web Design I</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 477</td>
<td>Web Design II</td>
<td>3 cr</td>
</tr>
<tr>
<td>CSCI 241</td>
<td>Computer Science I</td>
<td>5 cr</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MIS 221</td>
<td>Business Programming I - Visual Basic</td>
<td>3 cr</td>
</tr>
<tr>
<td>CSCI 220</td>
<td>Web Concepts I</td>
<td>3 cr</td>
</tr>
<tr>
<td>CSCI 322</td>
<td>Web Concepts II</td>
<td>3 cr</td>
</tr>
<tr>
<td>CSCI 433</td>
<td>Web Development Project</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

Choose one:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 202</td>
<td>Technical Writing</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>COMM 255</td>
<td>Writing for Multimedia</td>
<td>3 cr</td>
</tr>
</tbody>
</table>
B. Elective Course (3 credits)

Choose one:

- 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

Required Course Options (5 credits)

- CSCI 241 Computer Science I ........................... 5 cr
- MIS 221 Business Programming I - Visual Basic .... 3 cr
- MIS 322 Business Programming II - C# .............. 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
- 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 375 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.

Required Courses (15-17 credits)

- ART 104 Introduction to Digital Art ................... 3 cr
- CSCI 130 Introduction to Programming ................. 3 cr
- OR
- CSCI 241 Computer Science I ........................... 5 cr
- ART 377 Web Design I .................................. 3 cr
- CSCI 220 Web Concepts I ................................ 3 cr
- CSCI 322 Web Concepts II ................................ 3 cr
- OR
- ART 477 Web Design II .................................. 3 cr

Courses in Computer Science (CSCI)

101 Computer Software Tools ................................ 3 cr

Prereq: None. Freq: Occasionally.

Each section introduces a particular software tool. Commonly offered tools include: word processors, spreadsheets, presentation software and databases. Meets two hours per week for eight weeks. May be repeated for credit with different content. Students are expected to have basic computer proficiency skills before taking this course. Students seeking basic computer proficiency skills are encouraged to take ACSK 095.

105 Introduction to Computers .......................... 3 cr

Prereq: None. Freq: Fall, Spring, Summer.

Computer components and the principles of operation; networking, the Internet and the World Wide Web; problem solving techniques, introduction to algorithms, elementary programing concepts.
130 Introduction to Programming ................................................. 3 cr
Prereq: MATH 111 or equivalent. Freq: Fall.
Fundamentals of high-level programming language; object-orientation,
methods, functions, variables, program control.

145 Introduction to Computer Science ....................................... 5 cr
Prereq: C or better in MATH 112 and 113 or 114. Freq: Fall.
Introduces the fundamentals of software development;
including software classes, objects, logic, selection control, repetition
control, subprograms, parameter passage, and rudimentary software
engineering techniques. Students complete numerous programming
projects using a modern programming language. Three-hour lecture;
one-hour discussion; two-hour lab. Not open to those with credit in
CSCI 241.

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, 145 or 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. Not open to those with credit in CSCI 145.

242 Computer Science II ......................................................... 4 cr
Prereq: C or better in CSCI 145 or 241. Freq: Fall, Spring.
Object-oriented programming concepts including inheritance and
polymorphism; recursion; introduction to 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 either CSCI 145 or 241; C or better in CSCI
231, 242 or concurrent registration. Freq: Fall, Spring.
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, 145 or 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 Business 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.
Elementary probability; random variables, properties of distributions,
sampling, queuing theory, central limit theorem and law of large
numbers.

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 ......................................................... 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.

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

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.
<table>
<thead>
<tr>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites</th>
<th>Frequency</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>375 UNIX System Administration</td>
<td>3 cr</td>
<td>Prereq: C or better in CSCI 275. Freq: Spring. 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.</td>
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</tr>
<tr>
<td>380 Database Management Systems</td>
<td>3 cr</td>
<td>Prereq: C or better in CSCI 242. Freq: Fall. The relational model, database design, relational database query languages such as Relational Algebra and SQL, database normalization techniques, physical database design.</td>
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<td></td>
</tr>
<tr>
<td>405 Artificial Intelligence (AI)</td>
<td>3 cr</td>
<td>Prereq: C or better in CSCI 333. Freq: Occasionally. Introduction to Artificial Intelligence (AI) techniques that include search, game playing, and knowledge representation. Specific subdisciplines of AI including natural language processing and neural networks. Programming assignments in both Prolog and LISP. Not open to those with credit in CIS 605.</td>
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</tr>
<tr>
<td>421 Computer Vision</td>
<td>3 cr</td>
<td>Prereq: C or better in CSCI 333 or 340. Freq: Occasionally. 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.</td>
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</tr>
<tr>
<td>422 Multimedia Systems</td>
<td>3 cr</td>
<td>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.</td>
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<td></td>
</tr>
<tr>
<td>423 Mobile Development II</td>
<td>3 cr</td>
<td>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.</td>
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</tr>
<tr>
<td>424 Networked Applications</td>
<td>3 cr</td>
<td>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.</td>
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</tr>
<tr>
<td>433 Web Development Project</td>
<td>3 cr</td>
<td>Prereq: CSCI 322 or consent of instructor. Freq: Occasionally. Focusses 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.</td>
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<td></td>
</tr>
<tr>
<td>440 Compiler Design and Implementation</td>
<td>3 cr</td>
<td>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.</td>
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<td></td>
</tr>
<tr>
<td>444 Event-Driven Programming</td>
<td>3 cr</td>
<td>Prereq: C or better in CSCI 370. 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; case studies; and student project.</td>
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</tr>
<tr>
<td>445 Web Security</td>
<td>3 cr</td>
<td>Prereq: C or better in CSCI 242 or 322. 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.</td>
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</tr>
<tr>
<td>467 Computability and Automata</td>
<td>3 cr</td>
<td>Prereq: C or better in CSCI 331 or consent of instructor. Freq: Occasionally. Turing machines, recursive functions, Kleene’s T Predator, Ackermann’s function, finite automata, grammars and languages. Cross-listed with MATH 467.</td>
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</tr>
<tr>
<td>475 Software Engineering Principles and Practice I</td>
<td>3 cr</td>
<td>Prereq: C or better in CSCI 333, 340, 370 or 380. 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.</td>
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<tr>
<td>476 Software Engineering Principles and Practice II</td>
<td>3 cr</td>
<td>Prereq: C or better in CSCI 475. 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.</td>
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</tr>
<tr>
<td>477 Computer Communications and Networks</td>
<td>3 cr</td>
<td>Prereq: C or better in CSCI 242, 245. Freq: Occasionally. Transmission protocols, layered network protocols, network topology, message routing, performance analysis, security, and case studies.</td>
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</tr>
<tr>
<td>478 Network Security</td>
<td>3 cr</td>
<td>Prereq: C or better in CSCI 370, 375, 477 or MIS 327. Freq: Occasionally. 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>
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</tr>
<tr>
<td>479 Information Systems Security</td>
<td>3 cr</td>
<td>Prereq: C or better in CSCI 242 or MIS 328. Freq: Occasionally. 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>
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</tr>
<tr>
<td>480 Advanced Databases</td>
<td>3 cr</td>
<td>Prereq: C or better in 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.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>490 Special Topics in Computer Science</td>
<td>1-4 cr</td>
<td>Prereq: Consent of instructor. Freq: Occasionally. Advanced topics in computer science with applications.</td>
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</tr>
<tr>
<td>493 Internship in Computer Science</td>
<td>1-2 cr</td>
<td>Prereq: Consent of instructor and department chair. Freq: Fall, Spring. 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>
<td></td>
</tr>
<tr>
<td>495 Computer Science Seminar</td>
<td>2 cr</td>
<td>Prereq: Any 300-level CSCI course or consent of instructor. Freq: Spring. Examines computer ethics, the computing profession, current trends in information technology, and career opportunities. Includes oral presentations.</td>
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</tr>
<tr>
<td>499 Independent Study</td>
<td>1-3 cr</td>
<td>Prereq: Consent of instructor and department chair. Freq: Fall, Spring. Independent work on a specific problem in computer science under the supervision of faculty.</td>
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<td></td>
</tr>
</tbody>
</table>
Criminal Justice

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)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRMJ 101</td>
<td>Introduction to Criminal Justice</td>
<td>3 cr</td>
</tr>
<tr>
<td>CRMJ 200</td>
<td>Criminal Justice Research Methods</td>
<td>3 cr</td>
</tr>
<tr>
<td>CRMJ 233</td>
<td>Criminology</td>
<td>3 cr</td>
</tr>
<tr>
<td>CRMJ 234</td>
<td>Juvenile Delinquency/Juvenile Justice</td>
<td>3 cr</td>
</tr>
<tr>
<td>CRMJ 235</td>
<td>Police and Society</td>
<td>3 cr</td>
</tr>
<tr>
<td>CRMJ 316</td>
<td>Criminal Procedure</td>
<td>3 cr</td>
</tr>
<tr>
<td>CRMJ 363</td>
<td>Corrections</td>
<td>3 cr</td>
</tr>
<tr>
<td>CRMJ 365</td>
<td>Race, Crime, Law (DV)</td>
<td>3 cr</td>
</tr>
<tr>
<td>CRMJ 380</td>
<td>Criminal Law</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

B. Upper-Level Electives (15 credits)

Suggested 300-level electives relevant to possible career tracks:

Law Enforcement

<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 327</td>
<td>Communities, Crime and Place</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 344</td>
<td>Organized Crime</td>
<td>3 cr</td>
</tr>
<tr>
<td>CRMJ 345</td>
<td>White Collar Crime</td>
<td>3 cr</td>
</tr>
<tr>
<td>CRMJ 355</td>
<td>Forensic Evidence</td>
<td>3 cr</td>
</tr>
</tbody>
</table>
Requirements for the Criminal Justice Minor (24-26 Credits)

The minor in criminal justice consists of a minimum of 24-26 credits, distributed as follows:

Core Courses Required (12 credits)

A. Required Course:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRMJ 101</td>
<td>Introduction to Criminal Justice</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

Select 9 credits from the following Core Courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRMJ 233</td>
<td>Criminology</td>
<td>3 cr</td>
</tr>
<tr>
<td>CRMJ 234</td>
<td>Juvenile Delinquency/Juvenile Justice</td>
<td>3 cr</td>
</tr>
<tr>
<td>CRMJ 235</td>
<td>Police and Society</td>
<td>3 cr</td>
</tr>
<tr>
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</tr>
<tr>
<td>CRMJ 363</td>
<td>Corrections</td>
<td>3 cr</td>
</tr>
<tr>
<td>CRMJ 365</td>
<td>Race, Crime, Law (DV)</td>
<td>3 cr</td>
</tr>
<tr>
<td>CRMJ 390</td>
<td>Criminal Law</td>
<td>3 cr</td>
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</table>

B. Research Methods/Statistics (3-5 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRMJ 200</td>
<td>Criminal Justice Research Methods</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

or equivalent methods/statistics course approved by the criminal justice adviser.

C. Upper-Level Electives (Select 9 credits)

Suggested 300-level electives relevant to possible career tracks:

Law Enforcement

<table>
<thead>
<tr>
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<th>Credits</th>
</tr>
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<tbody>
<tr>
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<td>White Collar Crime</td>
<td>3 cr</td>
</tr>
<tr>
<td>CRMJ 355</td>
<td>Forensic Evidence</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 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>
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</table>

Courts/Law

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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</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>
<tr>
<td>SOCA 310</td>
<td>Forensic Anthropology</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

Criminal Justice/Social Justice

<table>
<thead>
<tr>
<th>Course</th>
<th>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>
<tr>
<td>CRMJ 494</td>
<td>Criminal Justice Internship*</td>
<td>3-6 cr</td>
</tr>
</tbody>
</table>

* Only 3 credits of CRMJ 494 will count toward criminal justice upper-division elective credits
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
POLS 316 Diversity Law: African Americans (DV) ....3 cr
CRMJ 492 Criminal Justice Research Seminar ........3 cr
CRMJ 494 Criminal Justice Internship* ............3-6 cr

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

Courses in Criminal Justice (CRMJ)

101 Introduction to Criminal Justice ..................3 cr
   Prereq: None. Freq: Fall, Spring, Summer.
   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.

200 Criminal Justice Research Methods ...............3 cr
   Prereq: CRMJ 101. Freq: Fall, Spring.
   Methods, philosophy and sources of criminal justice research.

233 Criminology .......................................................3 cr
   Prereq: CRMJ 101 or SOCA 100 or 101 or consent of instructor.
   Freq: Fall, Spring.
   Examination of past and current theory and research. Crime as a consequence of social, economic, political and personal factors. Critique of approaches to prevention and correction. Cross-listed with SOCA 233.

234 Juvenile Delinquency/Juvenile Justice .............3 cr
   Prereq: CRMJ 101 or SOCA 100 or 101 or consent of instructor.
   Freq: Fall, Spring.
   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.

235 Police and Society .............................................3 cr
   Prereq: CRMJ 101 or SOCA 100 or 101 or consent of instructor.
   Freq: Fall, Spring.
   A study of the various levels, roles, and functions of law enforcement in America. The nature and responsibilities of law enforcement are discussed and evaluated, including police accountability and civil liability. Examines the racial, ethnic and gender issues in law enforcement. Cross-listed with SOCA 235.

290 Special Topics in Criminal Justice ...............3 cr
   Prereq: Consent of instructor. Freq: Occasionally.
   Selected topics in criminal justice will be examined. General elective only, not upper-level elective.

305 Family Violence ..................................................3 cr
   Prereq: CRMJ 101 or consent of instructor.
   An examination of the criminal justice response to family violence, which includes child abuse, spousal abuse, elder abuse, date rape, and others. The prevalence and extent of family violence as well as strategies for treatment and prevention will be explored.

316 Criminal Procedure ........................................3 cr
   Prereq: CRMJ 101 or consent of instructor. Freq: Fall, Spring.
   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.

325 Restorative Justice ........................................3 cr
   Prereq: CRMJ 101 or consent of instructor. Freq: Yearly.
   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.

327 Communities, Crime and Place ....................3 cr
   Prereq: CRMJ 101 or consent of instructor. Freq: Occasionally.
   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.

335 Liability Issues in Criminal Justice ...............3 cr
   Prereq: CRMJ 101 or consent of instructor. Freq: Occasionally.
   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.

344 Organized Crime ..............................................3 cr
   Prereq: CRMJ 101 or consent of instructor. Freq: Occasionally.
   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.

345 White Collar Crime ..........................................3 cr
   Prereq: CRMJ 101 or consent of instructor.
   This course covers a variety of issues in white collar and corporate crime including the kinds of offenses officially defined in the law as white collar crime. Criminological theories about white collar crime, including controversies over how it is defined, a e reviewed.

352 Law and Social Change .....................................3 cr
   Prereq: CRMJ 101 or consent of instructor. Freq: Yearly.
   This course will provide 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 SOCA 352.

353 Criminal Justice/Social Justice ......................3 cr
   Prereq: CRMJ 101 or consent of instructor. Freq: Occasionally.
   The position of the victim, offender, and the community within the context of restorative justice is also explored and examined.

355 Forensic Evidence ............................................3 cr
   Prereq: CRMJ 101 or consent of instructor. Freq: Occasionally.
   This course covers a variety of issues in forensic investigation including the types of scientific evidence frequently encountered in the criminal courts. Particular emphasis on scientific evidence in criminal investigations and a few selected cases involving introduction of scientific evidence, a e reviewed.

359 Law and Society ..............................................3 cr
   Prereq: CRMJ 101, SOCA 100 or 101.
   Selected legal rules, principles, and institutions treated from a sociological perspective. Influence of culture and social organization on law; role of law in social change; social aspects of the administration of justice; and social knowledge and law. Cross-listed with SOCA 359.

361 Correctional Intervention .............................3 cr
   Prereq: CRMJ 101, or consent of instructor.
   This course will review the history of correctional treatment in the United States, from doing penance in the earliest forms of prison to modern day rehabilitative techniques. It will include a discussion of
both conservative and liberal form of correctional intervention and is intended to give students an understanding of the interventions that are used to reduce criminal behavior in the field of correction.

362 Community Corrections

Prerequisite: CRMJ 101 or consent of instructor. Frequency: Occasionally.

An overview of major components of community-based methods of correctional supervision with an emphasis on probation and parole. Community supervision will be examined from historical, philosophical, social and legal perspectives.

363 Corrections

Prerequisite: CRMJ 101 or SOCA 100 or 101 or consent of instructor. Frequency: Occasionally.


364 Capital Punishment

Prerequisite: CRMJ 101 or consent of instructor. Frequency: Occasionally.

An examination of historic and current trends in capital punishment. Considers the literature and philosophical basis of capital punishment, and other issues (e.g., the costs, future trends). Provides an in-depth examination of capital punishment from a criminal justice policy perspective.

365 Race, Crime, Law

Prerequisite: CRMJ 101 or SOCA 100 or 101, junior standing.

Frequency: Fall, Spring.

Examines the intersections of race, crime and law in terms of the historical context, the present-day situation and future directions. From law enforcement to courts and corrections, this course focuses on the multiple perspectives from offender to victim to criminal justice practitioner. Cross-listed with SOCA 365.

366 Women, Crime and Criminal Justice

Prerequisite: CRMJ 101 or consent of instructor. Frequency: 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 WGSS 366.

367 Latinos(as) and the Law

Prerequisite: CRMJ 101 or POLS 100; or consent of instructor.

Frequency: 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 ISTD 367/POLS 367.

368 Victimology

Prerequisite: CRMJ 101, or SOCA 100 or 101 or consent of instructor.

Frequency: Occasionally.

An examination of the causes and consequences of crime victimization. The history and recent re-emergence of the study of the victim, the types and circumstances of criminal victimization. The course addresses victims’ rights and the victims’ rights movement. Cross-listed with SOCA 368.

371 The Criminal Mind

Prerequisite: CRMJ 101 or consent of instructor. Frequency: Occasionally.

Criminal behavior will be examined in relation to learning factors, psychopathy, juvenile delinquency, mental disorders, violence and homicide, sexual offenses, economic crimes, drugs and alcohol and the correctional system.

372 Violence

Prerequisite: CRMJ 101 or consent of instructor. Frequency: Occasionally.

This course introduces students to the study of violence and offers a historically grounded, multidisciplinary approach that integrates perspectives from the social sciences, humanities and the natural and physical sciences, in order to provide a comparative framework within which to understand violence.

374 Crime & Human Rights

Prerequisite: CRMJ 101 or consent of instructor. Frequency: Occasionally.

Focuses on the interrelationship between crime and human rights. Discusses the Bill of Rights especially the freedom of expression, fundamental fairness and equality. Examines the American criminal justice system via the works of prominent writers, researchers and activists.

375 Criminal Court Process

Prerequisite: CRMJ 101 or consent of instructor. Frequency: Occasionally.

An analysis of the criminal court process from the formal charging of criminal cases through sentencing. An examination of the manner in which cases move through the criminal court system.

380 Criminal Law

Prerequisite: CRMJ 101 or consent of instructor. Frequency: Fall, Spring.

An analysis of substantive criminal law. Included are elements of crime; crimes against person, property and public morality; complicity; and inchoate crime.

385 Media, Crime and Criminal Justice

Prerequisite: CRMJ 101 or consent of instructor. Frequency: Occasionally.

Examination of the interrelationship between the mass media, crime and criminal justice. Some topics covered: media and the social construction of crime; crime and justice in the entertainment and news media; media as a cause of crime; and media-based anti-crime efforts.

387 Terrorism and Security

Prerequisite: CRMJ 101 or consent of instructor. Frequency: Occasionally.

This course explores and examines the phenomenon of terrorism from a global context. Focusing on a critical understanding of the history and theories of terrorism as well as the societal responses to terrorism, and the civil and human rights implications of such response.

388 Comparative and International Criminal Justice Systems

Prerequisite: CRMJ 101 or consent of instructor. Frequency: Yearly.

This course examines critically the theory and methods of comparative criminal justice. A survey of the procedures and processes employed by other countries to identify, adjudicate and respond to crime and deviant behaviors.

391 The Criminal Justice Profession

Prerequisite: CRMJ 101 or consent of instructor. Frequency: Occasionally.

This course examines the development of the criminal justice profession – the historical changes, present-day issues and future directions. In addition, this course focuses on various issues such as professional socialization ranging from the macro-occupational structure of the profession to the micro-processes of becoming a criminal justice professional, traditional and nontraditional career paths within criminal justice, promotions, and professional advancement.

490 Special Topics in Criminal Justice

Prerequisite: CRMJ 101 and junior standing, or consent of instructor.

Frequency: Fall, Spring.

Selected topics in criminal justice are offered and the content varies from semester to semester.

492 Criminal Justice Research Seminar

Prerequisite: CRMJ 101 and junior standing. Consent of instructor.

Frequency: Occasionally.

A selected criminal justice research project at the advanced level will be offered to students under faculty supervision. Hands-on community research will be conducted as a class project. Research project will vary from semester to semester. May be repeated for credit with different projects.

494 Criminal Justice Internship

Prerequisite: Junior standing, degree GPA of 2.25, criminal justice major, departmental permission required. Frequency: 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

Prerequisite: Criminal justice major; junior standing, and consent of instructor. Frequency: 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

College:
Business, Economics, and Computing

Degree and Programs Offered:
Bachelor of Arts
Major - Economics
Minor - 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 Snap-on Inc., Modine Manufacturing, Humana Healthcare, US Bank, Northwestern Mutual, Educators Credit Union, Case-New Holland, Hewitt Associates, the U.S. Veteran’s Administration, Prudential Financial, Runzheimer International, the U.S. Internal Revenue Service, S.C. Johnson, the Shedd Aquarium, Mercy, Joy Global, AXA Advisors, 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 LienBoss LLC, PricingCloud LLC, and Singh Financial and Insurance Services.

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 is used by everyone—individuals, businesses, and governments—and examines fundamental issues faced by societies: 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 majors and minors develop analytical and problem-solving skills that enable them to understand economic phenomena and make optimal economic decisions.

The Economics Department offers both 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.

Center for Economic Education
The CEE offers professional development programs and curriculum materials to K-12 teachers that enable them to teach economics and finance more effectively.

Preparation for Graduate School
The economics program provides an excellent foundation for graduate work in 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.

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, 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.

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).

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 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 major in economics 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.

Requirements for the General Economics Major (33 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. The general major consists of 33 credits to be completed as follows:

A. Required Core Courses Listed Above (15 credits)
B. Elective Courses (18 credits)
   A minimum of 18 additional credits in economics courses at the 200 level and above, with at least 12 credits in 300 and 400 level courses.

Requirements for the Major with the Monetary and Financial Economics Concentration (36 credits)
The monetary and financial economics concentration is designed for students who are interested in professional positions in the financial and banking sectors. This concentration consists of 36 credits to be completed as follows:

A. Required Core Courses Listed Above (15 credits)
B. Additional Required Courses (18 credits)
   ACCT 201 Financial Accounting ........................................3 cr
   FIN 330 Managerial Finance ........................................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

C. Elective Courses (3 credits)
   Choose one course:
   FIN 335 Investments ....................................................3 cr
   ECON 360 Industrial Organization and Public Policy ....3 cr
   FIN 431 Advanced Managerial Finance .........................3 cr

Requirements for the Major with the Quantitative Concentration (38 credits)
The quantitative concentration is strongly recommended for students who expect to study economics in graduate school or seek a career using quantitative methods. This concentration consists of 38 credits to be completed as follows:

A. Required Core Courses Listed Above (15 credits)
B. Additional Required Courses (11 credits)
   MATH 221 Calculus and Analytic Geometry I ..............5 cr
   ECON 409 Econometrics .............................................3 cr
   ECON 412 Managerial Economics ...............................3 cr

C. Elective Courses (12 credits)
   A minimum of 12 additional credits in economics courses at the 200 level and above, with at least 9 credits in 300 and 400 level courses. 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)

<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>
</tbody>
</table>

Choose one of the following theory courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<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>
</tbody>
</table>

B. Elective Courses (9 credits):

A minimum of 9 additional credits in economics courses at the 200 level and above, with at least 6 credits in 300 and 400 level courses.

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)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>101</td>
<td>The American Economy</td>
<td>3 cr</td>
</tr>
<tr>
<td>120</td>
<td>Principles of Microeconomics</td>
<td>3 cr</td>
</tr>
<tr>
<td>121</td>
<td>Principles of Macroeconomics</td>
<td>3 cr</td>
</tr>
<tr>
<td>210</td>
<td>Contemporary Economic Issues</td>
<td>3 cr</td>
</tr>
<tr>
<td>260</td>
<td>Industrial Organization and Public Policy</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

- **101 The American Economy**
  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**
  Prereq: Computational skills required. 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**
  Prereq: Computational skills required. 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.

- **210 Contemporary Economic Issues**
  Prereq: ECON 101, 120, or 121. Freq: Occasionally.
  Discusses and analyzes current economic issues using basic economic principles. May include topical guest lectures by economics faculty.

- **260 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. Offered simultaneously with ECON.
330 The Economics of Gender.......................................................... 3 cr
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.................................. 3 cr
Prereq: ECON 120. Freq: Fall.
Studies patterns of market structure and business strategies, analyzes the role of rent creation, the operation of central and commercial banks, monetary policy, and international monetary systems. Cross-listed with ECON 566.

366 Money and Banking................................................................. 3 cr
Prereq: ECON 120, 121. Freq: Fall.
Examines the role of money, money creation, the operation of central and commercial banks, monetary policy, and international monetary systems. Cross-listed with ECON 566.

367 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. Cross-listed with ECON 567.

380 The Labor Market................................................................. 3 cr
Prereq: ECON 120. Freq: Spring (even years).
Examines 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................................................................. 3 cr
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........................................................................ 3 cr
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. Cross-listed 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 that 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 depends 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 the role of money, money creation, the operation of central and commercial banks, monetary policy, and international monetary systems. Requires a research project. Not open to students with credit in ECON 366.

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, 120, QM 210 or MBA 511; and 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. 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 topic.
College
Arts and Humanities

Degree and Programs Offered:
Bachelor of Arts
Major - English
Minor - English
Certificates - Creative Writing, Film Studies, Professional Writing and Communication

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

Career Possibilities:
Typical career opportunities for English majors include editors, reporters, teachers, business persons, lawyers, and writers – fiction and poetr, 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.

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 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 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 collaborative 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.

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**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**

*(43 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 Topics in Pre-1800 World Literature ..........3 cr
ENGL 347 Topics in 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:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 326</td>
<td>Topics in Pre-Columbian Literature .............</td>
<td>3 cr</td>
</tr>
<tr>
<td>ENGL 327</td>
<td>Puritan and Colonial American Literature .......</td>
<td>3 cr</td>
</tr>
<tr>
<td>ENGL 328</td>
<td>19th Century American Literature .................</td>
<td>3 cr</td>
</tr>
<tr>
<td>ENGL 329</td>
<td>20th – 21st Century American Literature ..........</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

I. Upper-Division Writing Course (3 credits)

Students must take one 300-400 level writing course

Choose from:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 306</td>
<td>Advanced Poetry Writing</td>
<td>3 cr</td>
</tr>
<tr>
<td>ENGL 307</td>
<td>Advanced Fiction Writing</td>
<td>3 cr</td>
</tr>
<tr>
<td>ENGL 310</td>
<td>Advanced Expository Writing</td>
<td>3 cr</td>
</tr>
<tr>
<td>ENGL 402</td>
<td>Advanced Technical Writing</td>
<td>3 cr</td>
</tr>
<tr>
<td>ENGL 403</td>
<td>Advanced Business Writing</td>
<td>3 cr</td>
</tr>
<tr>
<td>ENGL 404</td>
<td>Non-Fiction Writing</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

J. 400-Level Literature Courses (6 credits)

Choose from:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 416</td>
<td>Major British Authors</td>
<td>3 cr</td>
</tr>
<tr>
<td>ENGL 417</td>
<td>Studies in British Literature</td>
<td>3 cr</td>
</tr>
<tr>
<td>ENGL 420</td>
<td>Advanced Shakespeare</td>
<td>3 cr</td>
</tr>
<tr>
<td>ENGL 426</td>
<td>Major American Authors</td>
<td>3 cr</td>
</tr>
<tr>
<td>ENGL 427</td>
<td>Studies in American Literature</td>
<td>3 cr</td>
</tr>
<tr>
<td>ENGL 436</td>
<td>Major Modern and Contemporary Authors</td>
<td>3 cr</td>
</tr>
<tr>
<td>ENGL 437</td>
<td>Studies in Modern and Contemporary Literature</td>
<td>3 cr</td>
</tr>
<tr>
<td>ENGL 447</td>
<td>Studies in Classical and World Literature</td>
<td>3 cr</td>
</tr>
<tr>
<td>ENGL 451</td>
<td>Studies in Literature or Culture</td>
<td>3 cr</td>
</tr>
<tr>
<td>ENGL 458</td>
<td>Studies in Film</td>
<td>3 cr</td>
</tr>
<tr>
<td>ENGL 460</td>
<td>Literature and Other Disciplines</td>
<td>3 cr</td>
</tr>
<tr>
<td>ENGL 464</td>
<td>Studies in Cultural Trends</td>
<td>3 cr</td>
</tr>
<tr>
<td>ENGL 468</td>
<td>Holocaust Studies</td>
<td>3 cr</td>
</tr>
<tr>
<td>ENGL 469</td>
<td>Women as Writers and Characters</td>
<td>3 cr</td>
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</tbody>
</table>

K. Senior Seminar (3 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 495</td>
<td>Seminar in Literature</td>
<td>3 cr</td>
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</table>

L. Portfolio Workshop (1 credit)

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<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ENGL 477</td>
<td>Portfolio Workshop - English</td>
<td>1 cr</td>
</tr>
</tbody>
</table>

Requirements for the English Major - 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)

<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>ENGL 167</td>
<td>Introduction to Literature</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

B. Literature of Diversity (3 credits)

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<tbody>
<tr>
<td>ENGL 267</td>
<td>Literature of Diversity</td>
<td>3 cr</td>
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</table>

C. Literary Theory (3 credits)

<table>
<thead>
<tr>
<th>Course</th>
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</thead>
<tbody>
<tr>
<td>ENGL 266</td>
<td>Literary Analysis</td>
<td>3 cr</td>
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</table>

D. Grammar (3 credits)

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<tr>
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</thead>
<tbody>
<tr>
<td>ENGL 287</td>
<td>Grammar for Teachers and Writers</td>
<td>3 cr</td>
</tr>
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</table>

E. Language and Linguistics (3 credits)

Choose one course:

<table>
<thead>
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<th>Course</th>
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<tbody>
<tr>
<td>ENGL 380</td>
<td>History of the English Language</td>
<td>3 cr</td>
</tr>
<tr>
<td>ENGL 387</td>
<td>Linguistics</td>
<td>3 cr</td>
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</table>

F. Shakespeare (3 credits)

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<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 320</td>
<td>Shakespeare</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

G. Classical and World Literature (3 credits)

Choose one course:

<table>
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<th>Course</th>
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</thead>
<tbody>
<tr>
<td>ENGL 364</td>
<td>Epic and Mythology</td>
<td>3 cr</td>
</tr>
<tr>
<td>ENGL 346</td>
<td>Topics in Pre-1800 World Literature</td>
<td>3 cr</td>
</tr>
<tr>
<td>ENGL 347</td>
<td>Topics in Post-1800 World Literature</td>
<td>3 cr</td>
</tr>
<tr>
<td>ENGL 368</td>
<td>The Bible as Literature</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

H. Children’s or Young Adult Literature (3 credits)

Choose one course:

<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>ENGL 344</td>
<td>Children’s Literature</td>
<td>3 cr</td>
</tr>
<tr>
<td>ENGL 354</td>
<td>Young Adult Literature</td>
<td>3 cr</td>
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</tbody>
</table>

I. British Survey (3 credits) Only one British survey course will be offered every semester.

Choose one course:

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<tbody>
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</tr>
<tr>
<td>ENGL 318</td>
<td>British Literature, 1700-1900</td>
<td>3 cr</td>
</tr>
<tr>
<td>ENGL 319</td>
<td>Modern and Contemporary British Literature</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

J. American Survey (3 credits) Only one American survey course will be offered every semester

Choose one course:

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<td>3 cr</td>
</tr>
<tr>
<td>ENGL 329</td>
<td>20th – 21st Century American Literature</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

K. Upper-Division Writing Course (3 credits)

Choose one course:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 416</td>
<td>Major British Authors</td>
<td>3 cr</td>
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<tr>
<td>ENGL 417</td>
<td>Studies in British Literature</td>
<td>3 cr</td>
</tr>
<tr>
<td>ENGL 420</td>
<td>Advanced Shakespeare</td>
<td>3 cr</td>
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<tr>
<td>ENGL 426</td>
<td>Major American Authors</td>
<td>3 cr</td>
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<tr>
<td>ENGL 427</td>
<td>Studies in American Literature</td>
<td>3 cr</td>
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<tr>
<td>ENGL 436</td>
<td>Major Modern and Contemporary Authors</td>
<td>3 cr</td>
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<tr>
<td>ENGL 437</td>
<td>Studies in Modern and Contemporary Literature</td>
<td>3 cr</td>
</tr>
<tr>
<td>ENGL 447</td>
<td>Studies in Classical and World Literature</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

L. 400-level Literature Course (3 credits)

Choose one course:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>ENGL 306</td>
<td>Advanced Poetry Writing</td>
<td>3 cr</td>
</tr>
<tr>
<td>ENGL 307</td>
<td>Advanced Fiction Writing</td>
<td>3 cr</td>
</tr>
<tr>
<td>ENGL 310</td>
<td>Advanced Expository Writing</td>
<td>3 cr</td>
</tr>
<tr>
<td>ENGL 402</td>
<td>Advanced Technical Writing</td>
<td>3 cr</td>
</tr>
<tr>
<td>ENGL 403</td>
<td>Advanced Business Writing</td>
<td>3 cr</td>
</tr>
<tr>
<td>ENGL 404</td>
<td>Non-Fiction Writing</td>
<td>3 cr</td>
</tr>
</tbody>
</table>
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 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 (6 credits)
   Choose two courses:
   - 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 courses.

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 study) .................3 cr
   - ENGL 358 Film Genres ..................................3 cr
   - ENGL 458 Studies in Film ..................................3 cr
   - ENGL 490 Special Topics in English (film or film study) .................3 cr
   - ENGL 495 Seminar in Literature (film or film study) .............3 cr
   - ENGL 497 Senior Thesis (film or film study) .............3 cr
   - ENGL 499 Independent Study (film or film study) .............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

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
ENGL 490 Special Topics in English (film or film study) .................3 cr
ENGL 495 Seminar in Literature (film or film study) .............3 cr
ENGL 497 Senior Thesis (film or film study) .............3 cr
ENGL 499 Independent Study (film or film study) .............3 cr
ENGL 207 Creative Writing - Fiction ..................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 306 Advanced Poetry Writing ................3 cr
ENGL 307 Advanced Fiction Writing ...............3 cr
ENGL 310 Advanced Expository Writing ...........3 cr
ENGL 408 Creative Writing Capstone Project .......3 cr
ENGL 402 Advanced Technical Writing .............3 cr
ENGL 458 Studies in Cultural Trends .....................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
ENGL 490 Special Topics in English (film or film study) .................3 cr
ENGL 495 Seminar in Literature (film or film study) .............3 cr
ENGL 497 Senior Thesis (film or film study) .............3 cr
ENGL 499 Independent Study (film or film study) .............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 306 Advanced Poetry Writing ................3 cr
ENGL 307 Advanced Fiction Writing ...............3 cr
ENGL 310 Advanced Expository Writing ...........3 cr
ENGL 408 Creative Writing Capstone Project .......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.

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)

100 Fundamentals of English ..................................................3 cr

Prereq: None. Freq. Fall, Spring.
Introduces students to rhetorical, logical, and analytical concepts, including synthesis of rhetorical modes in the context of short essays. Emphasizes vocabulary development, reading comprehension, and the mastery of grammar and mechanics. Implements peer review and assessment. Introduces students to persuasive writing.

101 Composition and Reading .................................................3 cr

Prereq: Placement score or grade of C or better in ENGL 100. Freq: Fall, Spring.
Development of 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.

106 Introduction to Creative Writing .........................................3 cr

Prereq: ENGL 101 with a grade of C- or better. Freq: Yearly.
Examines the techniques and practice of creative writing in a workshop format.

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 WGSS 112.

167 Introduction to Literature ..................................................3-4 cr

Prereq: ENGL 100 or consent of instructor. Freq: Fall, Spring, Summer.
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.

168 Introduction to Professional Writing ....................................3 cr

Prereq: ENGL 100 with a grade of C- or better. Freq: Fall.
Introduces principles of professional writing.

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, Summer.
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.
Examines 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 of literature produced by the major historically underrepresented 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: ENGL 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 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 ................................................................. 3 cr
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 .................................................................. 3 cr
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 ........................................................... 3 cr
Prereq: ENGL 101, 267; 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 ....................................................... 3 cr
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 Folktales”. May be repeated for credit with different topics.

316 British Literature to 1500 ................................................................. 3 cr
Prereq: ENGL 167, 266; or consent of instructor.
Freq: Fall (odd years).
Surveys nonfiction prose, poetry, drama, and fiction, circulating in England from the sixteenth to the eighteenth centuries. Includes a diversity of authorial voices, both men and women, as the limitations of the period allow.

317 British Literature, 1500-1700 ............................................................ 3 cr
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 ............................................................ 3 cr
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 .................................. 3 cr
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 ...................................................................................... 3 cr
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 Topics in Pre-Columbian Literature ................................................. 3 cr
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 ....................................... 3 cr
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 .................................................... 3 cr
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 ..................................... 3 cr
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 .......................................................................... 3 cr
Prereq: ENGL 167, 266. Freq: Occasionally.
Investigates historical and contemporary middle-grade children's literature, both as a cultural phenomenon and an educational resource.

346 Topics in Pre-1800 World Literature ................................................ 3 cr
Prereq: ENGL 167, 266. Freq: Fall, Spring.
Explores selected pre-1800 global literary and cultural texts, which may include ancient, medieval and Renaissance texts. Emphasizes non-Western works, including those with indigenous foundations. Examines the broad historical context and draws from other fields to deepen our understanding of the human experience, particularly along cross-cultural lines.

347 Topics in Post-1800 World Literature .............................................. 3 cr
Prereq: ENGL 167, 266. Freq: Fall, Spring.
Explores selected global literary and cultural texts produced after 1800. Emphasizes non-Western works, including those with indigenous foundations. Examines the broad historical context and draws from other fields to deepen our understanding of the human experience, particularly along cross-cultural lines.

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 p oposals.

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 .........................................
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.
Examines 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.
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.

437 Studies in Modern and Contemporary Literature ........ 3 cr
Prereq: ENGL 167, 266; or consent of instructor. Freq: Occasionally.
Explores major areas in the study of language, including phonology,
morphology, syntax, lexicon, and semantics.

438 Studies in Film .................................................... 1-6 cr
Prereq: ENGL 266. Freq: Occasionally.
Examines historical shifts in the English language, including phonology,
morphology, syntax, lexicon, and semantics.

447 Studies in Classical and World Literature ................ 3 cr
Prereq: ENGL 266. Freq: Occasionally.
Examines historical shifts in the English language, including phonology,
morphology, syntax, lexicon, and semantics.

460 Literature and Other Disciplines ............................ 1-6 cr
Prereq: ENGL 167, 266; or consent of instructor. Freq: Occasionally.
Explores principles and practical applications of copymarking,
copyediting, and comprehensive editing.

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
graphical 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.
Examines writing by women and depictions of women in literature. May
be repeated for credit with different topic. Cross-listed with WGSS 469.

477 Portfolio Workshop – English ............................... 1 cr
Prereq: ENGL 266; senior standing; concurrent with ENGL 495. Freq:
Fall, Spring.
Required capstone portfolio. Includes reflective writing and
metacognition, workshop, revision, and mastery of department
outcomes.

478 Portfolio Workshop – English Language Arts ............ 1 cr
Prereq: ENGL 266, senior standing; concurrent with ENGL 489. Freq:
Fall, Spring.
Required capstone portfolio. Includes reflective writing and
metacognition, workshop, revision, and mastery of department
outcomes.
479 Portfolio Workshop – Professional Writing
1 cr
Prereq: ENGL 101 with a C- or better. Freq: Fall, Spring.
Required capstone portfolio. Includes reflective writing and metacognition, workshoppping, revision, and mastery of the professional writing certificate outcomes.

487 Studies in Language
1-6 cr
Prereq: ENGL 157 or consent of instructor. Freq: Occasionally.
An examination of such topics as language in American culture, regional dialects, semantics, etc. May be repeated for credit with different topic.

488 Teaching English Language Arts
3 cr
Prereq: ENGL 167, 266. Freq: Yearly.
Explores balanced literacy methods and materials for integrating reading, writing, speaking, listening, viewing, and critical thinking activities into a language arts program for adolescents.

489 Teaching and Assessing Composition
3 cr
Prereq: ENGL 266, senior standing; concurrent with ENGL 478. Freq: Yearly.
Explores methods and materials for the teaching and assessment of composition.

490 Special Topics in English
3 cr
Prereq: ENGL 167, 266. Freq: Occasionally.
Examines cultural trends or topics in English literature at the advanced level. May be repeated for credit with different topic.

493 Internship in Teaching Literature
1-6 cr
Prereq: ENGL 266, consent of instructor. Freq: Occasionally.
Offers an internship experience with an instructor teaching in a literature course. Students will create a portfolio.

494 Internship in Writing and Editing
1-6 cr
Prereq: Consent of instructor and department chair. Freq: Fall, Spring.
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.

495 Seminar in Literature
3 cr
Prereq: ENGL 266, senior standing; concurrent with ENGL 477. Freq: Fall, Spring.
Serves as the capstone class for the major. Required of all majors in the English concentration. Writing and research intensive with a 20 or more page research paper required. May be repeated for credit with different topic.

496 Internship in Teaching/Tutoring
3 cr
Prereq: ENGL 489 or consent of instructor and department chair. Freq: Fall, Spring.
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.

497 Senior Thesis
3 cr
Prereq: Consent of instructor and English Department Executive Committee. Freq: Occasionally.
Conduct independent research and write an essay of substantial length under faculty supervision. Agreement of faculty member to undertake supervision is necessary before registration.

499 Independent Study
1-6 cr
Prereq: Consent of instructor and English Department Executive Committee. Freq: Occasionally.
Conduct independent research and write an essay of substantial length under faculty supervision. Agreement of faculty member to undertake supervision is necessary before registration.
College:
Natural and Health Sciences

Degree and Programs Offered:
Bachelor of Science
Major - Environmental Studies
Minor - 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. All graduates share a core curriculum covering natural and social sciences, statistics, and environmental chemistry that gives students core competencies in key areas demanded by all employers and professional programs. In lieu of particular concentrations, students, in close consultation with their advisers, choose from a diverse array of upper-level courses to focus on specialty areas of their choosing.

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 (60-61 credits)
The major in environmental studies consists of 36-37 credits forming a core curriculum with an additional 24 credits in upper division electives, taken from at least 2 different departments.

A. Core Courses (36-37 credits)

1. Required Courses (33 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 109</td>
<td>Environmental Chemistry*</td>
<td>3 cr</td>
</tr>
<tr>
<td>CHEM 209</td>
<td>Environmental Chemistry Lab*</td>
<td>2 cr</td>
</tr>
<tr>
<td>ECON 300</td>
<td>Environmental Economics</td>
<td>3 cr</td>
</tr>
<tr>
<td>ENGL 202</td>
<td>Technical Writing</td>
<td>3 cr</td>
</tr>
<tr>
<td>ENVS 335</td>
<td>Energy</td>
<td>4 cr</td>
</tr>
<tr>
<td>ENVS 495</td>
<td>Environmental Studies Seminar (two semesters - 1 credit each)</td>
<td>2 cr</td>
</tr>
<tr>
<td>ENVS 499</td>
<td>Independent Study</td>
<td>2 cr</td>
</tr>
<tr>
<td>GEOS 103</td>
<td>Environmental Science: An Earth Resources Approach</td>
<td>3 cr</td>
</tr>
<tr>
<td>BIOS 104</td>
<td>Environmental Science: A Biological Approach</td>
<td>3 cr</td>
</tr>
<tr>
<td>GEOG 108</td>
<td>Culture and Environmental Sustainability</td>
<td>3 cr</td>
</tr>
<tr>
<td>MATH 114</td>
<td>College Algebra II with Trigonometry**</td>
<td>5 cr</td>
</tr>
<tr>
<td>POLS 302</td>
<td>Environmental Policy</td>
<td>3 cr</td>
</tr>
</tbody>
</table>
2. Statistics Requirement (3-4 credits)
   BIOS 210  Biostatistics .............................................4 cr
   OR
   GEOG 300  Geographic Methods .................................3 cr
   OR
   SOCA 250  Statistics for the Social Sciences ..............4 cr
   *  Note 1: CHEM 115 or CHEM 101/CHEM 102 may be substituted for CHEM 109/209.
   *  Note 2: MATH 112 and MATH 113 (both must be taken) may be substituted for MATH 114.

B. Elective Courses (24 credits)
   No more than 16 credits in any one department will count toward this requirement for the major.
   BIOS 303  Microbiology .............................................4 cr
   BIOS 305  Principles of Ecology ..................................4 cr
   BIOS 313  Invertebrate Zoology ..................................4 cr
   BIOS 318  Vertebrate Zoology ....................................4 cr
   BIOS 324  Botany .....................................................4 cr
   BIOS 330  Topics in Field Ecology ..............................3 cr
   BIOS 333  Restoration Ecology ...................................4 cr
   BIOS 336  Conservation Biology ...................................3 cr
   BIOS 340  Animal Behavior ........................................4 cr
   CHEM 206  Quantitative Analysis ................................5 cr
   CHEM 321  Organic Chemistry I ..................................4 cr
   CHEM 323  Organic Chemistry Lab ...............................3 cr
   ENGL 460  Literature and Other Disciplines (eco-critical theory topic) ...........................................3 cr
   ENVS 336  Environmental Justice ...............................4 cr
   ENVS 390  Environmental Studies Network (minimum 1-4 cr)
   ENVS 490  Environmental Studies ................................1-4 cr
   GEOG 306  Natural Disasters and Society ......................3 cr
   GEOG 308  Conservation of Natural Resources ................3 cr
   GEOG 324  Landforms and Environmental Processes ..........4 cr
   GEOG 326  Biogeography ...........................................3 cr
   GEOG 365  Geography in Land Use Planning ..................3 cr
   GEOG 382  Soil Ecosystems and Resources .....................4 cr
   GEOG 384  Landscape Ecology .....................................3 cr
   GEOG 396  Field Methods in Geography .........................4 cr
   GEOG 460  Introduction to GIS Analysis .......................3 cr
   GEOG 465  Advanced GIS Applications .........................3 cr
   GEOS 301  Geomorphology .........................................4 cr
   GEOS 330  Environmental Geology ..............................4 cr
   GEOS 331  Introduction to Geochemistry .......................3 cr
   GEOS 355  Stratigraphy and Sedimentation ..................4 cr
   GEOS 361  Hydrogeology ...........................................3 cr
   GEOS 420  Glacial Geology .........................................4 cr
   GEOS 440  Contaminants in Terrestrial Systems .............3 cr
   GEOS 445  Environmental Sampling, Monitoring and Assessment ..................................................4 cr
   GEOS 470  Remediation Science and Technology .............3 cr
   SOCA 379  Society and Environment ................................3 cr
   SOCA 382  Environmental Anthropology ........................3 cr

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
   CHEM 109  Environmental Chemistry ..........................3 cr
   GEOG 308  Conservation of Natural Resources ..............3 cr
   GEOS 103  Environmental Science: An Earth Resources Approach** ................................3 cr
   *  Biological sciences majors should take BIOS 305 Principles of Ecology, not BIOS 104.
   **  Geosciences majors should not take GEOS 103.

C. Environmental Policy (3 credits)
   Choose one:
   ECON 330  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, 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
   - 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

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 309, 310
- PSYC 250
- SOCA 250

Courses in Environmental Studies (ENVS)

190 Introduction to Environmental Studies ........................................ 1 cr
   Prereq: None.  Freq: Fall.
   Special topics in environmental studies will be examined.

290 Special Topics in Environmental Studies ................................. 1-4 cr
   Prereq: Consent of instructor.  Freq: Occasionally.
   Special topics in environmental studies will be examined.

335 Energy ................................................................................. 4 cr
   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 ............................................................. 4 cr
   Prereq: BIOS 104 or GEOS 103.  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, three-hour lab.

390 Special Topics in Environmental Studies ................................. 1-4 cr
   Prereq: Consent of instructor.  Freq: Occasionally.
   Special topics in environmental studies will be examined.

490 Special Topics in Environmental Studies ................................. 1-4 cr
   Prereq: Consent of instructor.  Freq: Occasionally.
   Special topics in environmental studies will be examined.

495 Environmental Studies Seminar ............................................. 1 cr
   Prereq: Junior standing.  Freq: Spring.
   Major environmental issues are explored from a multidisciplinary perspective; includes both faculty and student guided discussions. May be repeated for credit when the theme is different.

499 Independent Study ................................................................. 1-3 cr
   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.
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</th>
<th>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/</td>
<td>SOCA 206 Race and Ethnic Relations in the U.S.</td>
<td>3 cr</td>
</tr>
<tr>
<td>ETHN/</td>
<td>COMM 320 Privilege and Power</td>
<td>3 cr</td>
</tr>
<tr>
<td>ETHN/</td>
<td>MUSI 336 African American Music</td>
<td>3 cr</td>
</tr>
<tr>
<td>ETHN/</td>
<td>HIST 337 African American History</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

B. Elective Courses Focused on Particular Ethnic Groups (3-6 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ETHN/</td>
<td>HIST 333 Contemporary American Immigration</td>
<td>3 cr</td>
</tr>
<tr>
<td>ETHN/</td>
<td>MUSI 336 African American Music</td>
<td>3 cr</td>
</tr>
<tr>
<td>ETHN/</td>
<td>HIST 337 African American History</td>
<td>3 cr</td>
</tr>
<tr>
<td>ETHN/</td>
<td>COMM 363 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.

C. General Elective Courses (3-6 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 107</td>
<td>Communication and the Human Condition</td>
<td>3 cr</td>
</tr>
<tr>
<td>COMM 463</td>
<td>Gender, Race, Class, and Sexualities in the Media</td>
<td>3 cr</td>
</tr>
<tr>
<td>CRMJ/</td>
<td>SOCA 365 Race, Crime, Law</td>
<td>3 cr</td>
</tr>
<tr>
<td>ENGL 267</td>
<td>Literature of Diversity</td>
<td>3 cr</td>
</tr>
<tr>
<td>ETHN/</td>
<td>PHYS 120 Astronomy of Native America</td>
<td>3 cr</td>
</tr>
<tr>
<td>ETHN/</td>
<td>COMM 320 Multicultural Theatre in America</td>
<td>3 cr</td>
</tr>
<tr>
<td>ETHN/</td>
<td>MUSI 336 African American Music</td>
<td>3 cr</td>
</tr>
<tr>
<td>ETHN/</td>
<td>MUSI 338 Music of the Great Migration 1900-1960</td>
<td>3 cr</td>
</tr>
<tr>
<td>ETHN/</td>
<td>SOCA 360 Critical Ethnic Studies</td>
<td>3 cr</td>
</tr>
<tr>
<td>ETHN/</td>
<td>COMM 365 Intercultural Communication</td>
<td>3 cr</td>
</tr>
</tbody>
</table>
Courses in Ethnic Studies (ETHN)

120 Astronomy of Native America .................................................. 3 cr
Prereq: None. Freq: Fall, Spring.
Examine primarily the astronomical views of Native Americans and looks at how mythos, 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.

201 Introduction to Ethnic Studies .................................................... 3 cr
Prereq: Sophomore standing. Freq: Fall.
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.

206 Race and Ethnic Relations in the U.S. ........................................... 3 cr
Prereq: SOCA 100 or 101 or consent of instructor. Freq: Fall, Spring, Summer.
Introduction to 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 life chances. Cross-listed with SOCA 206.

208 Multicultural Theatre in America ............................................... 3 cr
Prereq: ENGL 101. Freq: Occasionally.
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.

290 Special Topics in Ethnic Studies ................................................. 1-3 cr
Prereq: None. Freq: Occasionally.
Selected topics in ethnic studies will be examined.

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 HIST 302.

315 Diversity Law: Tribal Nations ....................................................... 3 cr
Prereq: POLS 100 or ETHN minor, POLS 216 recommended.
Freq: Occasionally.
Tribal relationship with the U.S. government, as nations within a nation. Tribal sovereignty, Marshall trilogy, removal, allotment, Reorganization Act, the Indian Civil Rights Act, termination, Public Law 280, religious freedom, and modern tribal governments. The tribal nations of Wisconsin are emphasized. Cross-listed with POLS 315.

316 Diversity Law: African Americans ............................................. 3 cr
Prereq: POLS 100 or ETHN minor, POLS 216 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. Cross-listed with POLS 316.

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 historically underrepresented groups in the U.S. Emphasis on issues of social justice and personal responsibility. Cross-listed with COMM 320.

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 and Nationality Act of 1965 and the ways in which immigration is changing the nation and the world. Includes models of assimilation, political participation, and psychological and cultural considerations. Cross-listed with HIST 333.

336 African American Music ............................................................ 3 cr
Prereq: None. Freq: Summer.
Survey and study of development and evolution of African American music 17th century to present with attention given to historical, sociological, political, and humanistic contexts. Cross-listed with MUSI 336.

337 African American History .......................................................... 3 cr
Prereq: None. Freq: Spring (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 HIST 337.

338 Music of the Great Migration 1900-1960 ...................................... 3 cr
Prereq: None. Freq: Occasionally.
Survey and study of African American music, from 1900-1960, related to the Great Migration and its next generation. Attention given to historical, sociological, political, and humanistic contexts. Cross-listed with MUSI 338.

339 Music of the Great Migration 1960-1990 ....................................... 3 cr
Prereq: None. Freq: Occasionally.

343 Latinas/os in the United States ................................................... 3 cr
Prereq: SOCA 100, 101, or ETHN 201. Freq: Fall.
Focus on the social, political, and cultural dynamics of the Latina/o experience in the U.S. (i.e. racial/ethnic identity, racism, economy, immigration, colonialism). Cross-Listed with SOCA 343.

360 Critical Ethnic Studies ............................................................... 3 cr
Prereq: SOCA 100 or 101; or consent of instructor. Freq: Yearly.
A critical examination of the social conditions under which ethnic, including ‘racial’, groups achieve the status of ‘natural’ and ‘pure’ social formations in the United States and in selected other societies. Special attention is given to perceptions of ‘whiteness’ and ‘hybridity’ and their social consequences. Cross-listed with SOCA 360.

363 Communication and Ethnicity ................................................... 3 cr
Prereq: COMM 107 or consent of instructor. Freq: Fall, Spring.
A critical examination of communication practices which construct, maintain, transform, or threaten ethnic identity in a co-cultural context. May be repeated with different content. Emphasis rotates among African Americas, Asian Americans, Latinas/os, and Native Americans. Cross-listed with COMM 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 emphasis on ethical aspects of communication. Cross-listed with
   COMM 365.

390  Special Topics in Ethnic Studies ............................................. 3 cr
   Prereq: None. Freq: Occasionally.
   Selected topics in ethnic studies will be examined.

490  Special Topics in Ethnic Studies ............................................. 1-3 cr
   Prereq: Junior standing, ETHN 201. Freq: Occasionally.
   Selected topics in ethnic studies will be examined.

494  Internship .............................................................................. 1-3 cr
   Prereq: Consent of instructor and director. Freq: Fall, Spring.
   Supervised experience in planned projects that expose students to
   ethnic subcultures in the United States. Up to 3 credits can be applied
   to the minor.

499  Independent Study ................................................................. 1-5 cr
   Prereq: Consent of instructor and director. Freq: Fall, Spring, Summer.
   Topics individually arranged. Descriptions for other minor courses are
   located in their respective departments.
Programs Offered:
Certificates – Global Skills, Sale

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 has collaborated with UW Flexible Options to offer several certificates. Currently available are global skills and sales with more in development. 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 Global Skills Certificate (13 credits)

The certificate in global skills is designed to assist students in understanding and appreciating the impact of international affairs on their daily lives. Students completing the certificate will learn 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)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>INTS 100X</td>
<td>Introduction to International Studies</td>
<td>3 cr</td>
</tr>
<tr>
<td>INTS 301X</td>
<td>Global Skills Practicum – Basic Global Skills</td>
<td>1 cr</td>
</tr>
<tr>
<td>INTS 302X</td>
<td>Global Skills Practicum – Perspectives on Globalization</td>
<td>1 cr</td>
</tr>
<tr>
<td>INTS 303X</td>
<td>Global Skills Practicum - Political and Economic Systems</td>
<td>1 cr</td>
</tr>
<tr>
<td>INTS 304X</td>
<td>Global Skills Practicum - Culture and Language</td>
<td>1 cr</td>
</tr>
</tbody>
</table>

B. Core Course (3 credits)

Choose one:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>INTS 210X</td>
<td>Cultural Anthropology</td>
<td>3 cr</td>
</tr>
<tr>
<td>INTS 305X</td>
<td>Theories of International Relations</td>
<td>3 cr</td>
</tr>
<tr>
<td>INTS 310X</td>
<td>International Trade</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

C. Elective Course Option (3 credits)

Choose one:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>INTS 333X</td>
<td>Economic Issues of South Asia</td>
<td>3 cr</td>
</tr>
<tr>
<td>INTS 382X</td>
<td>Environmental Anthropology</td>
<td>3 cr</td>
</tr>
<tr>
<td>INTS 340X</td>
<td>The Latin American Left</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

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.
**Competency Sets for Flexible Option: Global Skills Certificate:**

**INTS 100X  Introduction to International Studies..........................3 cr**
Prereq: Admission to the flexible option program and consent of program representative. Freq: As needed each subscription period.
Examines the ways in which international impact affects the state, community, and individual levels of human experience. Its objectives include developing practical orientations toward the international experience, such as language and cultural appreciation, social and political tolerance, and environmental adaptation. INTS 100X is a Flexible Option competency set which constitutes 3 credits of the Global Skills Certificate

Course Competencies:
- Describe the scope and principal features of globalization.
- Demonstrates geographic literacy on a global scale.
- Identifies own cultural rules and biases.
- Demonstrates understanding of the complexity of elements comprising each culture (such as history, religion, communication styles, politics, economics).
- Recognizes credible and relevant sources of data/information to understand global issues.
- Identifies the basic role of some global institutions, ideas, and processes, in the human and natural worlds.

**INTS 210X  Cultural Anthropology .............................................3 cr**
Prereq: SOCA 100 cr or 101; admission to the flexible option program and consent of program representative. Freq: As needed each subscription period.
Uses a cross-cultural reference to examine basic theoretical concepts and analyze cultural systems and social institutions. INTS 210X is a Flexible Option competency set, which constitutes 3 credits of the Global Skills Certificate

Course Competencies:
- Categorizes and distinguishes examples of globalization.
- Compare and contrast various approaches to issues in globalization.
- Classifies and distinguishes countries, as well as regions, on the basis of economics, politics, and/or culture.
- Recognizes the impact of the international system on choices made by countries.
- Identifies own cultural rules and biases.
- Demonstrates understanding of the complexity of elements comprising each culture (such as history, religion, communication styles, politics, economics).
- Analyzes substantial connections between worldviews, power structures, and experiences of multiple cultures historically or in contemporary contexts.
- Asks complex questions about other cultures, seeks out and articulates answers to those questions that reflect multiple cultural perspectives.
- Organizes and critically evaluates data/information thematically.
- Identifies the basic role of some global institutions, ideas, and processes, in the human and natural worlds.
- Identifies major global challenges

**INTS 301X  Global Skills Practicum—Basic Global Skills..................1 cr**
Prereq: Admission to the flexible option program and consent of program representative. Freq: As needed each subscription period.
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. INTS 301X is a Flexible Option competency set, which constitutes 1 credit of the Global Skills Certificate

Course Competencies:
- Identifies, categorizes, and distinguishes issues about globalization.
- Classifies and distinguishes countries, as well as regions, on the basis of economics, politics, and/or culture.
- Recognizes the impact of the international system on choices made by countries.
- Organizes and critically evaluates data/information thematically.
- Identifies major global challenges

**INTS 302X  Global Skills Practicum—Perspectives on Globalization....................1 cr**
Prereq: Admission to the flexible option program and consent of program representative. Freq: As needed each subscription period.
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. INTS 302X is a Flexible Option competency set, which constitutes 1 credit of the Global Skills Certificate

Course Competencies:
- Describe the scope and principal features of globalization.
- Identifies, categorizes, and distinguishes issues about globalization.
- Compare and contrast various approaches to issues in globalization.
- Recognizes the impact of the international system on choices made by countries.
- Identifies the basic role of some global institutions, ideas, and processes, in the human and natural worlds.
- Identifies major global challenges

**INTS 303X  Global Skills Practicum—Political and Economic Systems.................................1 cr**
Prereq: Admission to the flexible option program and consent of program representative. Freq: As needed each subscription period.
Exposes students to the global context, the increased internationalization of economic relations, and its political ramifications. Topics include foreign investment/trade, economic and democratic development. Students design solutions to global challenges and link academic work to an applied setting through additional project work. INTS 303X is a Flexible Option competency set, which constitutes 1 credit of the Global Skills Certificate

Course Competencies:
- Classifies and distinguish countries, as well as regions, on the basis of economics, politics, and/or culture.
- Recognizes the impact of the international system on choices made by countries.
- Recognizes credible and relevant sources of data/information to understand global issues.
- Organizes and critically evaluates data/information thematically.
- Identifies major global challenges
INTS 304X  International Trade .................3 cr
Prereq: ECON 120; admission to the flexible option program and consent of program representative. Freq: As needed each subscription period.
Examines theories of international trade, government policy toward international trade, international trading arrangements and institutions. INTS 310X is a Flexible Option competency set, which constitutes 3 credits of the Global Skills Certificate
Course Competencies:
- Recognizes the impact of the international system on choices made by countries.
- Uses theory to explain interactions among regions and countries.
- Recognizes credible and relevant sources of data/information to understand global issues.
- Organizes and critically evaluates data/information thematically.
- Uses theory to explain interactions among regions and countries.

INTS 305X  Theories of International Relations .............3 cr
Prereq: Admission to the flexible option program and consent of program representative. Freq: As needed each subscription period.
Focuses on contemporary theories of international relations with selected applications to current issues or relationships in international politics. Emphasizes critical theories in the evaluation and comparison of various theoretical approaches. INTS 305X is a Flexible Option competency set, which constitutes 3 credits of the Global Skills Certificate
Course Competencies:
- Identifies the basic role of some global institutions, ideas, and processes, in the human and natural worlds.
- Recognizes credible and relevant sources of data/information to understand global issues.
- Identifies, organizes and critically evaluates data/information thematically.
- Uses theory to explain interactions among regions and countries.

INTS 310X  The Latin American Left .........................3 cr
Prereq: Admission to the flexible option program and consent of program representative. Freq: As needed each subscription period.
Examines the environment that spawned the Latin American Left, its historical role in changing Latin American politics, and its role in the present and future political and economic development of the region. INTS 340X is a Flexible Option competency set, which constitutes 3 credits of the Global Skills Certificate
Course Competencies:
- Explains events within a framework of globalization.
- Classifies and distinguishes countries, as well as regions, on the basis of economics, politics, and/or culture.
- Recognizes the symmetric and asymmetric interconnectedness of local and global systems.
- Identifies major global challenges

INTS 333X  Economic Issues of South Asia .....................3 cr
Prereq: Admission to the flexible option program and consent of program representative. Freq: As needed each subscription period.
Examines the recent economic development history of South Asia primarily Bangladesh, India, Pakistan, and Sri Lanka with a detailed focus on India. Studies the macroeconomic performance, poverty reduction, human capital development, and related issues within the context of democratization in this region. INTS 333X is a Flexible Option competency set, which constitutes 3 credits of the Global Skills Certificate
Course Competencies:
- Explains events within a framework of globalization.
- Classifies and distinguishes countries, as well as regions, on the basis of economics, politics, and/or culture.
- Recognizes the symmetric and asymmetric interconnectedness of local and global systems.
- Identifies major global challenges

INTS 334X  Global Skills Practicum-Culture and Language ....1 cr
Prereq: Admission to the flexible option program and consent of program representative. Freq: As needed each subscription period.
Introduces students to 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. INTS 304X is a Flexible Option competency set, which constitutes 1 credit of the Global Skills Certificate
Course Competencies:
- Identifies own cultural rules and biases
- Demonstrates understanding of the complexity of elements comprising each culture (such as history, religion, communication styles, politics, economics).
- Examines substantial connections between the worldviews, power structures, and experiences of multiple cultures historically or in contemporary contexts.
- Recognizes credible and relevant sources of data/information to understand global issues.
- Organizes and critically evaluates data/information thematically.
- Identifies major global challenges

INTS 340X  The Latin American Left .........................3 cr
Prereq: Admission to the flexible option program and consent of program representative. Freq: As needed each subscription period.
Examines the recent economic development history of South Asia primarily Bangladesh, India, Pakistan, and Sri Lanka with a detailed focus on India. Studies the macroeconomic performance, poverty reduction, human capital development, and related issues within the context of democratization in this region. INTS 333X is a Flexible Option competency set, which constitutes 3 credits of the Global Skills Certificate
Course Competencies:
- Explains events within a framework of globalization.
- Classifies and distinguishes countries, as well as regions, on the basis of economics, politics, and/or culture.
- Recognizes the symmetric and asymmetric interconnectedness of local and global systems.
- Identifies major global challenges

INTS 334X  Global Skills Practicum-Culture and Language ....1 cr
Prereq: Admission to the flexible option program and consent of program representative. Freq: As needed each subscription period.
Introduces students to 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. INTS 304X is a Flexible Option competency set, which constitutes 1 credit of the Global Skills Certificate
Course Competencies:
- Identifies own cultural rules and biases
- Demonstrates understanding of the complexity of elements comprising each culture (such as history, religion, communication styles, politics, economics).
- Examines substantial connections between the worldviews, power structures, and experiences of multiple cultures historically or in contemporary contexts.
- Recognizes credible and relevant sources of data/information to understand global issues.
- Organizes and critically evaluates data/information thematically.
- Identifies major global challenges
INTS 382X  Environmental Anthropology.................................3 cr
Prereq: Admission to the flexible option program and consent of program representative. Freq: As needed each subscription period.
Anthropological survey of human/environmental relations. Discussion of ecological concepts and processes in relation to past and present human life, in simple and complex societies. Focus on anthropological perspectives on current environmental problems as aspects of the cultural adaptation to natural and social environments. INTS 382X is a Flexible Option competency set, which constitutes 3 credits of the Sales Certificate
Course Competencies:
- Explains events within a framework of globalization.
- Analyzes substantial connections between the worldviews, power structures, and experiences of multiple cultures historically or in contemporary contexts.
- Asks complex questions about other cultures, seeks out and articulates answers to those questions that reflect multiple cultural perspectives.
- Organizes and critically evaluates data/information thematically.
- Analyze major global issues using appropriate theory and evidence. (3 instances).
- Understands the diversity of actors within the global system.
- Recognizes the symmetric and asymmetric interconnectedness of local and global systems.
- Relates their knowledge of the global system to their own lives and experiences.
- Identifies major global challenges.
- Develops at least one solution to a global challenge using academic knowledge and methods.
- Considers and rejects alternative solutions to a global challenge and can explain why.
- Develops a logical plan for and recognizes the consequences of the solution.

Sales:

MKT 350X  Marketing Principles.................................3 cr
Prereq: ECON 120; admission to the flexible option program and consent of program representative. Freq: As needed each subscription period.
Introduces the general marketing process, which is involved in the distribution and exchange of goods and services. Product pricing, promotion, distribution, and buyer behavior variables are surveyed within the context of market planning. MKT 350X is a Flexible Option competency set which constitutes 3 credits of the Sales Certificate
Course Competencies:
- Explain the role of the Strategic Marketing Process in meeting organization objectives.
- Describe the role of Personal Selling in the Strategic Marketing Process.

MKT 458X  Personal Selling.................................................3 cr
Prereq: MKT 350 or MKT 350X; admission to the flexible option program and consent of program representative. Freq: As needed each subscription period.
Designed to gain an understanding of personal selling as a major function within the marketing and promotional mix of a firm. Utilizes videotaped analysis of roleplaying to develop selling skills. MKT 458X is a Flexible Option competency set which constitutes 3 credits of the Sales Certificate
Course Competencies:
- Describe how to design a customer prospecting plan.
- Explain how to develop a sales call plan.
- Explain how to develop a territory management plan.
- Explain the key principles of the sales process.
- Analyze the effectiveness of a business to business sales call.

MKT 458X  Selling of Financial Services.................................3 cr
Prereq: MKT 458 or 458X; admission to the flexible option program and consent of program representative. Freq: As needed each subscription period.
Focuses on how financial institutions design and market their services and products through the personal selling function. MKT 467X is a Flexible Option competency set which constitutes 3 credits of the Sales Certificate
Course Competencies:
- Explain how relationship building, product knowledge and market and customer analysis are used in selling financial services.
- Demonstrate a strategic sales plan based on customer research.
- Identify the techniques a salesperson uses to increase potential customer interest during a sales call.
- Apply the sales process steps to a professional sales call.

MKT 469X  Advanced Personal Selling.................................3 cr
Prereq: MKT 458 or 458X; admission to the flexible option program and consent of program representative. Freq: As needed each subscription period.
Explores concepts of strategic account management, consultative selling, and customer problem diagnosis in a variety of situations. MKT 469X is a Flexible Option competency set that constitutes 3 credits of the Global Skills Certificate
Course Competencies:
- Explain six types of sales roles and the high performance skills required for each role.
- Explain the role of the Key Account Management Process on Organizations' strategy and profitability.
- Apply the processes for analyzing, classifying and planning for building successful relationships with key accounts.
- Demonstrate the required skills to complete a complex business to business sale.
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 and writing for understanding and 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 equality – understanding and questioning the social, political, economic and historical conditions 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 different 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 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 social and behavioral sciences.  May be repeated for credit with different topic.

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.

197 Introduction to the Disciplines: Humanities and the Arts .......... 3 cr  
Prereq: 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.

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.
Courses in General Science (GSCI)

102 Science and Pseudoscience.................................................3 cr  
Prereq: None. Freq: Fall, Spring. 
This course provides a general introduction to the meaning and 
method of true science which will be examined in relation to fringe and 
pseudoscience topics. Three-hour lecture.

108 Introduction to Bioinformatics and Molecular Medicine.........3 cr  
Prereq: None. Freq: Occasionally. 
Basic understanding of molecular aspects regarding health combined 
with related computer programming experience and discussion of 
ethical issues. Online/hybrid.

490 Special Topics ....................................................................... 1-4 cr  
Prereq: None. Freq: Occasionally. 
Selected topics in science will be examined.

496 Internship.............................................................................. 1-3 cr  
Prereq: Consent of instructor and department chair. Freq: Fall, Spring, 
Summer. 
Supervised science education experience arranged outside of the 
university setting.

499 Independent Study................................................................. 1-3 cr  
Prereq: Consent of instructor and department chair. Freq: Fall, Spring, 
Summer. 
Supervised experiences related to science education.
GEOGRAPHY

College:
Social Sciences and Professional Studies

Degree and Programs Offered:
Bachelor of Arts

Major - Geography

Minors - Geographic Information Systems, Geography

Certificate - Geographic Information System

Student Organizations/Clubs:
Parkside Geography Club

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.

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 which 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.

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 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 department also offers a Geography 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 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. 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 knowledge and concepts in the major areas of physical geography and human geography, 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 several geographic tools: maps, statistics, field methods, geographic information systems, and global positioning systems.
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 data, apply methodology, 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.
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 (40-44 credits)

A. Core Courses (28 - 29 credits)

All geography majors are required to complete the following courses or their equivalents:

1. Required Core Courses (22 credits)

   GEOG 100  Physical Geography and the Environment .............................................4 cr
   GEOG 110  Intro to Geography-World Regions .............................................3 cr
   GEOG 215  Economic Geography .........................................................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

2. Choose One Human Geography Course (3 credits)

   GEOG 101  Geography of American Ethnicity & Race .....................................3 cr
   GEOG 105  Contemporary Human Geography .............................................3 cr
   GEOG 108  Culture and Environmental Sustainability .....................................3 cr

3. Choose One Advanced Physical Geography Course (3-4 credits)

   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 ..................................................................3 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

   Note: When earning the GIS minor with the general geography major students cannot count GEOG 460 or one of GEOG 455, 460, 465, 491, 494* or 499* toward the major's required 12 credits of 300-level and above geography courses.

   * Must have substantial GIS content/project and be approved by the Department.

   In addition to earning a general geography major, students can choose to earn a concentration in planning, a concentration in applied environmental geography and a GIS minor or a certificate in GIS

2. Concentration in Planning (12 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 (6 credits)

      GEOG 360  Urban Geography .................................................................3 cr
      GEOG 365  Geography in Land Use Planning ..................................3 cr

   b. Choose Two Courses (6 credits)

      GEOG 330  Population Geography .....................................................3 cr
      GEOG 340  Political Geography ............................................................3 cr
      GEOG 375  Geography of Transportation ........................................3 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.

3. Concentration in Applied Environmental Geography (12-15 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 (12-15 credits)

   GEOG 306  Natural Disasters and Society ...........................................3 cr
   GEOG 308  Conservation of Natural Resources ........................................3 cr
   GEOG 324  Climate Change ...................................................................3 cr
   GEOG 326  Biogeography .......................................................................3 cr
   GEOG 382  Soil Ecosystems and Resources ...........................................4 cr
   GEOG 384  Landscape Ecology ...............................................................3 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.

Requirements for the Geographic Information Systems (GIS) Minor (18 or 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 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. Choose One Course (3-4 credits)

   GEOG 100  Physical Geography and the Environment .............................4 cr
   GEOG 105  Contemporary Human Geography .......................................3 cr
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 minor in geography consists of a minimum of 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. Choose One Course (3 credits)
- GEOG 101 Geography of American Ethnicity & 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. Choose One Course (3 credits)
- GEOG 215 Economic Geography ......................................................... 3 cr
- GEOG 250 Map Use and Analysis ......................................................... 3 cr

### D. Upper-level Courses (9 credits)
Choose 9 credits of 300-level and above GEOG courses.

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 Certificate in Geographic Information Systems (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. Choose One Course (3 credits)
- GEOG 455 Remote Sensing ............................................................... 3 cr
- GEOG 465 Advanced GIS Applications .............................................. 3 cr
- GEOG 491 Special Topics in GIS ......................................................... 3 cr

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)

**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 & 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, population, climate, topography, economic activity, transportation, culture, and recreation. Examines current and ongoing 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: Spring.
Focuses on the distribution of biodiversity in space and time. Includes plant identification, ecological and evolutionary patterns, conservation, restoration ecology, palaeoecology, 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: GEOG 250 or consent of instructor. Freq: Spring.
Cartographic theory and methods. Role of maps in society. Introduction to GIS technology. Digital cartographic design and data processing using GIS. Also emphasizes history of cartography, quantitative and qualitative thematic mapping, and maps as both art and science.

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: Occasionally.
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.
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 (71-77 credits)

The geosciences major requires a selection of core courses and courses in a concentration. Students select between two concentrations: environmental geosciences or earth science.

A. Required Core Courses (26 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOS 102</td>
<td>Origin and History of the Earth</td>
<td>4 cr</td>
</tr>
<tr>
<td>GEOS 104</td>
<td>Introductory Geology Laboratory</td>
<td>2 cr</td>
</tr>
<tr>
<td>GEOS 200</td>
<td>Minerals and Rocks</td>
<td>4 cr</td>
</tr>
<tr>
<td>GEOS 330</td>
<td>Environmental Geology</td>
<td>4 cr</td>
</tr>
<tr>
<td>GEOS 355</td>
<td>Stratigraphy and Sedimentation</td>
<td>4 cr</td>
</tr>
<tr>
<td>GEOS 445</td>
<td>Environmental Sampling, Monitoring, and Assessment</td>
<td>4 cr</td>
</tr>
<tr>
<td>GEOS 495</td>
<td>Senior Seminar</td>
<td>1 cr</td>
</tr>
<tr>
<td>GEOS 496</td>
<td>Geoscience Applications</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

B. Concentration Courses (45-51 credits)

1. Requirements for Environmental Geosciences Concentration (48-51 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOS 101</td>
<td>Introductory Geology</td>
<td>3 cr</td>
</tr>
<tr>
<td>GEOS 106</td>
<td>Great Lakes Water Resources</td>
<td>3 cr</td>
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<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GEOS 109</td>
<td>Fundamentals of Global Climate Change</td>
<td>3 cr</td>
</tr>
<tr>
<td>GEOS 331</td>
<td>Introduction to Geochemistry</td>
<td>3 cr</td>
</tr>
<tr>
<td>GEOS 345</td>
<td>Geophysics</td>
<td>3 cr</td>
</tr>
<tr>
<td>GEOS 361</td>
<td>Hydrogeology</td>
<td>3 cr</td>
</tr>
<tr>
<td>GEOS 431</td>
<td>Aqueous and Contaminant Geochemistry</td>
<td>4 cr</td>
</tr>
<tr>
<td>GEOS 470</td>
<td>Remediation Science and Technology</td>
<td>3 cr</td>
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<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GEOS 440</td>
<td>Contaminants in Terrestrial Systems</td>
<td>3 cr</td>
</tr>
<tr>
<td>GEOS 465</td>
<td>Applied Hydrogeology</td>
<td>4 cr</td>
</tr>
<tr>
<td>MATH 112</td>
<td>College Algebra II</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

AND

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 113</td>
<td>Trigonometry</td>
<td>3 cr</td>
</tr>
<tr>
<td>OR</td>
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<tr>
<td>MATH 114</td>
<td>College Algebra II w/Trigonometry</td>
<td>5 cr</td>
</tr>
<tr>
<td>MATH 221</td>
<td>Calculus &amp; Analytic Geometry I</td>
<td>5 cr</td>
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<td>OR</td>
<td></td>
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<tr>
<td>GEOS 295</td>
<td>Mathematics for Geosciences</td>
<td>3 cr</td>
</tr>
<tr>
<td>CHEM 101</td>
<td>General Chemistry I</td>
<td>5 cr</td>
</tr>
<tr>
<td>CHEM 102</td>
<td>General Chemistry II</td>
<td>5 cr</td>
</tr>
<tr>
<td>PHYS 101</td>
<td>Principles of Physics</td>
<td>4 cr</td>
</tr>
</tbody>
</table>

2. Requirements for the Earth Science Concentration (45 credits)

a. Required Courses (33 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOS 100</td>
<td>Earth in Perspective</td>
<td>3 cr</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GEOS 101</td>
<td>Introductory Geology</td>
<td>3 cr</td>
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<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GEOS 103</td>
<td>Environmental Science: An Earth Resources Approach</td>
<td>3 cr</td>
</tr>
<tr>
<td>GEOS 106</td>
<td>Great Lakes Water Resources</td>
<td>3 cr</td>
</tr>
<tr>
<td>GEOS 109</td>
<td>Fundamentals of Global Climate Change</td>
<td>3 cr</td>
</tr>
<tr>
<td>GEOS 207</td>
<td>Field Methods</td>
<td>2 cr</td>
</tr>
<tr>
<td>GEOS 301</td>
<td>Geomorphology</td>
<td>4 cr</td>
</tr>
<tr>
<td>GEOS 320</td>
<td>Soils, Weathering and Surficial Processes</td>
<td>4 cr</td>
</tr>
<tr>
<td>GEOS 420</td>
<td>Glacial Geology</td>
<td>4 cr</td>
</tr>
<tr>
<td>ENV 335</td>
<td>Energy (or higher)</td>
<td>4 cr</td>
</tr>
<tr>
<td>MATH 102</td>
<td>Survey of Mathematics</td>
<td>3 cr</td>
</tr>
<tr>
<td>CHEM 100</td>
<td>The World of Chemistry</td>
<td>3 cr</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHEM 109</td>
<td>Environmental Chemistry</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

b. Elective Courses (12 credits)

Supporting courses must be 300 and above.

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>
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<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOS 101</td>
<td>Introductory Geology</td>
<td>3 cr</td>
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<td>OR</td>
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<td></td>
</tr>
<tr>
<td>GEOS 102</td>
<td>Origin and History of the Earth</td>
<td>4 cr</td>
</tr>
<tr>
<td>GEOS 104</td>
<td>Introductory Geology Laboratory</td>
<td>2 cr</td>
</tr>
<tr>
<td>GEOS 200</td>
<td>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)

100 Earth in Perspective .................................................. 3 cr
Prereq: None. Freq: Fall.
Surveys the physical environment, including Earth's place in space, atmospheric processes, the oceans, and the solid earth; humanity's place in the system. Three-hour lecture.

101 Introductory Geology .................................................. 3 cr
Prereq: None. Freq: Fall.
Explores the origin, age, and structure of the Earth; mountain building, volcanism, and continental drift; earth materials; rocks, minerals, and mineral and fossil fuel resources. Field trips. Three-hour lecture.

102 Origin and History of the Earth .................................... 4 cr
Prereq: A 3-credit college level geosciences course. Freq: Spring.
Investigates the origin of the solar system and Earth; age of the Earth; origin of the oceans, atmosphere and life; geologic and life history. Labs focus on gaining experience with fossils, maps, dating techniques, and data analysis. Field trips. Three-hour lecture, three-hour lab.

103 Environmental Science: An Earth Resources Approach .... 3 cr
Prereq: None. Freq: Fall.
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.

104 Introductory Geology Laboratory .................................. 2 cr
Prereq: GEOS 101 (or acceptable substitute). Freq: Spring.
Rock, mineral, and fossil identification; topographic and geologic map interpretation; aerial photographs; hydrology, soils, and environmental geology. Field trips. Six-hour lab.

105 Oceanography ............................................................ 3 cr
Prereq: None. Freq: Spring.
Origin of ocean basins; nature of seawater; ocean circulation; waves and tides; life in the sea; marine resources. Course specifically intended for non-majors. Three-hour lecture.

106 Great Lakes Water Resources ....................................... 3 cr
Prereq: None. Freq: Spring.

108 Dirt Appreciation: Soils for Survival ............................. 3 cr
Prereq: None. Occasionlly.
Provides an understanding of the critical role of soils in determining and maintaining environmental quality. Also introduces the scientific foundations for using soil surveys in land-use planning. Three-hour lecture.

109 Fundamentals of Global Climate Change ....................... 3 cr
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. Cross-listed with INTS 109.

200 Minerals and Rocks .................................................... 4 cr
Prereq: GEOS 104 or consent of instructor. Freq: Fall.
Internal order of crystals; physical, chemical, and optical properties of minerals; mineral identification; mineral associations and the classification of igneous, metamorphic, and sedimentary rocks; ore deposits. Field trips. Three-hour lecture, three-hour lab.

207 Field Methods .......................................................... 2 cr
Prereq: GEOS 101, 104. Freq: Spring (odd years).
Field methods used in geologic study, including occurrence and contact relations of geologic bodies, geologic mapping, rock, soil and water sampling. Field trips.

290 Special Topics in Geosciences ...................................... 1-4 cr
Prereq: Consent of instructor. Freq: Occasionally.
Selected topics in the geosciences will be examined.

295 Mathematics for Geosciences ...................................... 3 cr
Prereq: MATH 112 and 113, or MATH 114. Freq: Winter.
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 (odd years).
Analyzes and describes landforms; emphasis on genesis, surficial processes, and relation to geologic structure. Includes some regional treatment of landscapes. Field trips. Three-hour lecture, three-hour lab.

309 Paleontology ............................................................. 3 cr
Prereq: GEOS 102 or BIOS 102 or consent of instructor. Freq: Occasionally.
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.

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
Presentation of soils as natural entities in a process-based context. Methods and terminology of soil description and classification. Evaluation of environmental 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 or equivalent. Freq: Spring (even years).
Chemical principles and their application to various geologic environments; chemical weathering, geochemical prospecting; phase equilibria; geochronology. 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, paleoecotomics, 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. 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, phytoremediation 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 ..................................................1-2 cr
Prereq: Consent of instructor and department chair. Freq: Fall, Spring.
Individual investigation of selected problems in the geosciences. Allows students to pursue independent field, laboratory, or library research interests under supervision of faculty members. 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.

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 100 or 101) .............. 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.

Elective Courses (3 credits)
- 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 2015-17 CATALOG

College:
Natural and Health Sciences

Degree and Programs Offered:
Bachelor of Science
Majors - Exercise Science, Sport Management
Certificates - Exercise Science, Sport Management, Coaching

Department Overview
The Health, Exercise Science and Sport Management (HESM) Department offers majors in sport management and exercise science as well as certificates in exercise science, sport management and coaching. The department also significantly supports the applied health sciences major. Please see “Applied Health Sciences” for more information. Certificates in exercise science, sport management and coaching are designed to supplement an existing major with career-specific course work to enhance employment opportunities. In addition, the curriculum provides all students with the possibility of obtaining an education in lifetime wellness and a variety of lifetime activities stressing awareness, knowledge and skills to promote lifelong wellness and improved quality of life.

Career Possibilities
Majors can find employment within the sport or fitness fields with numerous types of organizations including amateur and professional sport organizations, educational institutions, health and fitness centers, private and municipal recreation programs or the sporting goods industry. Careers include administration, coaching, marketing, consulting, facility operations, journalism, personal training, directing fitness facilities, program development, public relations, sales and sports information.

Preparation for Graduate Studies
Undergraduate study in sport management provides excellent preparation for graduate study in sport administration, sport management, business and sport law. Undergraduate study in exercise science provides preparation for advanced study in such areas as biomechanics, exercise physiology, kinesiology, athletic training, occupational therapy and physical therapy.

Student Organizations/Clubs
Sport & Fitness Management Club.

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

Admission Requirements for the Exercise Science Major

To be accepted into the exercise science major, a student must have:

- A cumulative GPA of 2.00 or better, and
- A GPA of 2.75 or better in 12 or more completed credits (these 12 credits must include HESM 210 Introduction to Health, Exercise Science and Sport Management and cannot include fieldwork credits), and
- Obtain a grade of C or better in each of the classes utilized to declare the major (C- is not acceptable)
- These requirements can be satisfied by equivalent transfer work that is accepted by the department

Requirements for the Exercise Science Major (73-78 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 required course work (73-78 credits) for the major, and
- Obtain a grade of a C or better in each of the required courses (C- is not acceptable), and
- Achieve a minimum 2.75 GPA in all classes counted toward the major.

A. Required Core Courses (61-65 credits)

1. Choose one combination of anatomy courses (6 or 10 credits)
   - BIOS 105 Human Physiology and Anatomy I ...........5 cr
   - BIOS 106 Human Physiology and Anatomy II .......5 cr
   - BIOS 300 Functional Human Anatomy .............3 cr
   - BIOS 341 Mammalian Physiology .....................3 cr

2. Choose one physics course (4 credits)
   - PHYS 101 Principles of Physics .........................4 cr
   - PHYS 102 Principles of Physics with Medical Applications .....................4 cr

3. Required psychology course (3 credits)
   - PSYC 101 Introduction to Psychological Science ........................................3 cr

4. Choose one health science related course (3 credits)
   - HESM 210 Introduction to Health, Exercise Science and Sport Management ..........3 cr OR
   - AHS 101 Introduction to Applied Health Sciences ........................................3 cr

5. Required courses (45 credits)
   - HESM 270 Lifetime Wellness .........................3 cr
   - HESM 280 Sport and Fitness Nutrition .............3 cr
   - HESM 300 Legal Issues in Sport and Fitness Management .........................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 415 Scientific Principles of Strength and Conditioning ..........4 cr
   - HESM 430 Fitness Program Management ..........3 cr
   - HESM 498 Fieldwork in Exercise Science ........12 cr

* The fieldwork requirement can be completed by one of the following options:
  a) Fieldwork Only Option
     Twelve (12) credits with at least 3 of these credits completed in the student’s last semester of studies.
  b) Fieldwork/Course Option
     Twelve (12) credits of 300- or 400-level pre-approved courses. A minimum of 6 credits must be in HESM 498 Fieldwork in Exercise Science with at least 3 of these credits completed in the student’s last semester of studies.

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:

B. Required Exercise Science Concentrations (12-13 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:

1. Fitness Management (12 credits)
   - Required courses:
     - BUS 100 Introduction to Business .................3 cr
     - ACCT 201 Financial Accounting ..................3 cr
     - HESM 450 Sport and Fitness Marketing ..........3 cr
     - HESM 455 Sport Sales and Customer Service ........3 cr

2. Strength and Conditioning (12-13 credits)
   a. Required courses (9 credits):
     - HESM 350 Research Methods in Exercise Science ..................3 cr
     - HESM 425 Program Design and Exercise Techniques ..................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 sports management discipline.
   - Demonstrate an ability to use the fundamental principles of the sport management field, which include marketing, finance and law
   - Effectively apply technology to analyze and interpret data

3. Demonstrate a proficiency in identifying and solving 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

Admission Requirements for the Sport Management Major

To be accepted into the sport management major, a student must have:

- A cumulative GPA of 2.00 or better, and
- A GPA of 2.50 or better in 12 or more completed credits (these 12 credits must include HESM 210 Introduction to Health, Exercise Science and Sport Management and cannot include fieldwork credits), and
- Obtain a grade of C or better in each of the classes utilized to declare the major (C- is not acceptable).
- These requirements can be satisfied by equivalent transfer work that is accepted by the department.

Requirements for the Sport Management Major (60 credits)

In addition to satisfying the general university requirements, students seeking to graduate with a bachelor of science with a major in sport management must satisfy the following:

- Complete all required course work (60 credits) for the major, and
- Obtain a grade of a C or better in each of the required courses (C- is not acceptable), and
- Achieve a minimum 2.50 GPA in all classes counted toward the major.

A. Required Core Courses (39 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>SPCH 105</td>
<td>Public Speaking</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>HESM 210</td>
<td>Introduction to Health, Exercise Science</td>
<td>3 cr</td>
</tr>
<tr>
<td>HESM 220</td>
<td>Advanced Issues in 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 and Fitness Management</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 450</td>
<td>Sport and Fitness Marketing</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>9 cr</td>
</tr>
<tr>
<td>HESM 496</td>
<td>Fieldwork in Media Management</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

B. Elective Courses (21 credits)

Choose courses from the list below:

<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>ART 104</td>
<td>Introduction to Digital Art</td>
<td>3 cr</td>
</tr>
<tr>
<td>ECON 305</td>
<td>Economics of Sports</td>
<td>3 cr</td>
</tr>
<tr>
<td>MGT 349</td>
<td>Organizational Behavior</td>
<td>3 cr</td>
</tr>
<tr>
<td>HESM 289</td>
<td>Special Topics in Sport Management</td>
<td>3 cr</td>
</tr>
<tr>
<td>HESM 310</td>
<td>Sports Industry Regulation</td>
<td>3 cr</td>
</tr>
<tr>
<td>HESM 320</td>
<td>The Business of Minor League</td>
<td>3 cr</td>
</tr>
<tr>
<td>HESM 330</td>
<td>Sport in Society</td>
<td>3 cr</td>
</tr>
<tr>
<td>HESM 335</td>
<td>Race, Ethnicity and Baseball in American Society</td>
<td>3 cr</td>
</tr>
</tbody>
</table>
Requirements for the Exercise Science Certificate (20-24 credits)

Complete all required course work (20-24 credits) for the certificate and achieve a minimum 2.75 GPA in certificate course work. Obtain a grade of C or better (C- is not acceptable) in each of the classes utilized to earn the certificate.

A. Choose one Combination of Anatomy Courses (6 or 10 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOS 105</td>
<td>Human Physiology and Anatomy I.</td>
<td>5 cr</td>
</tr>
<tr>
<td>BIOS 106</td>
<td>Human Physiology and Anatomy II.</td>
<td>5 cr</td>
</tr>
<tr>
<td>OR</td>
<td>BIOS 300</td>
<td>Functional Human Anatomy</td>
</tr>
<tr>
<td>AND</td>
<td>BIOS 341</td>
<td>Mammalian Physiology</td>
</tr>
</tbody>
</table>

B. Required Courses (14 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HESM 270</td>
<td>Lifetime Wellness</td>
<td>3 cr</td>
</tr>
<tr>
<td>HESM 280</td>
<td>Sport and Fitness Nutrition</td>
<td>3 cr</td>
</tr>
<tr>
<td>HESM 353</td>
<td>Biomechanics</td>
<td>4 cr</td>
</tr>
<tr>
<td>HESM 354</td>
<td>Physiology of Exercise</td>
<td>4 cr</td>
</tr>
</tbody>
</table>

Requirements for the Sport Management Certificate (15 credits)

Complete all required course work (15 credits) for the certificate and achieve a minimum 2.50 GPA in certificate course work. Obtain a grade of C or better (C- is not acceptable) in each of the classes utilized to earn the certificate.

Required Courses (15 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HESM 210</td>
<td>Introduction to Health, Exercise Science and 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 and Fitness Management</td>
<td>3 cr</td>
</tr>
<tr>
<td>HESM 450</td>
<td>Sport and Fitness Marketing</td>
<td>3 cr</td>
</tr>
<tr>
<td>Elective</td>
<td>3 credits of approved HESM 300- or 400-level course work</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

Requirements for the Coaching Certificate (15-16 credits)

Complete all required course work (15 credits) for the certificate; and achieve a minimum 2.50 GPA in certificate course work. Individuals who successfully complete the coaching certificate requirements will meet Wisconsin Intercollegiate Athletic Association (WIAA) requirements for coaching. Individuals 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.

A. Required Courses (9 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HESM 201</td>
<td>Community First Aid and Cardio</td>
<td>1 cr</td>
</tr>
<tr>
<td>HESM 250</td>
<td>Sport Safety Training for Coaches</td>
<td>3 cr</td>
</tr>
<tr>
<td>OR</td>
<td>HESM 345</td>
<td>Prevention and Care of Athletic Injuries</td>
</tr>
<tr>
<td>HESM 283</td>
<td>Orientation to Coaching</td>
<td>3 cr</td>
</tr>
<tr>
<td>HESM 301</td>
<td>Sport Conditioning Practice Design</td>
<td>2 cr</td>
</tr>
</tbody>
</table>

B. Elective Course (3-4 credits)

Choose one:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HESM 280</td>
<td>Sport and Fitness Nutrition</td>
<td>3 cr</td>
</tr>
<tr>
<td>HESM 300</td>
<td>Legal Issues in Sport and Fitness Management</td>
<td>3 cr</td>
</tr>
<tr>
<td>HESM 358</td>
<td>Sport and Fitness Psychology</td>
<td>3 cr</td>
</tr>
<tr>
<td>HESM 380</td>
<td>Facility Development and Management</td>
<td>3 cr</td>
</tr>
<tr>
<td>HESM 415</td>
<td>Scientific Principles of Strength and Conditioning</td>
<td>4 cr</td>
</tr>
</tbody>
</table>

C. Required Theory and Activity Courses (3 credits)

1. Choose one theory course

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HESM</td>
<td>Coaching Theory*</td>
<td>2 cr</td>
</tr>
<tr>
<td></td>
<td>Baseball (251), Basketball (252), Soccer (259), Softball (260), Track and Field (264), or Volleyball (266)</td>
<td>2 cr</td>
</tr>
</tbody>
</table>

2. Choose one activity course

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HESM</td>
<td>Activity Course</td>
<td>1 cr</td>
</tr>
<tr>
<td></td>
<td>Baseball (115), Basketball (117), Soccer I (180), Softball (182), Track and Field (192), or Volleyball (194)</td>
<td>1 cr</td>
</tr>
</tbody>
</table>

* Each of the coaching theory courses has a corresponding activity course (1 credit each) as a prerequisite.

Students attempting to complete the coaching certificate can seek a waiver of the activity course prerequisite requirement if they can provide acceptable written proof that they currently compete or previously competed in that sport at the varsity level in either college or high school.
Courses in Health, Exercise Science and Sport Management (HESM)

105 - 196 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: Fall, Spring.
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.

117 Basketball .......................................................................... 1 cr
Prereq: None. Freq: Occasionally.
Practical experience in fundamentals and team play.

130 Relaxation .......................................................................... 1 cr
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 .................................................... 1 cr
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.

138 Jogging for Fun & Fitness .................................................. 1 cr
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 ............................................................................ 1 cr
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 I .................................................................................. 1 cr
Prereq: None. Freq: Occasionally.
Fundamentals of golf: grip, stance, swing, rules and etiquette. Practice with all clubs with emphasis upon fundamental mechanics. Opportunity to develop skills on local golf courses.

142 Golf II .................................................................................. 1 cr
Prereq: HESM 141 or consent of instructor. Freq: Occasionally.
Continuation of Golf I. Advanced shots, playing, and planning all types of tournaments.

143 Step Aerobics I ................................................................. 1 cr
Prereq: None. Freq: Occasionally.
Basic step aerobics fundamentals and medium impact levels of cardiovascular development.

144 Step Aerobics II ............................................................... 1 cr
Prereq: HESM 143. Freq: Occasionally.
Advanced techniques in step aerobics to develop high-level skills and fitness.

149 Aerobics I .......................................................................... 1 cr
Prereq: None. Freq: Occasionally.
Provides a study of aerobic dance, exercise theory and techniques.

150 Aerobics II ......................................................................... 1 cr
Prereq: HESM 149 or consent of instructor. Freq: Occasionally.
Advanced techniques of aerobics including step aerobics designed to improve fitness levels and provide greater understanding of the values of exercise theory.

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.
<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>171</td>
<td>Fitness for Life *</td>
<td>1 cr</td>
<td>HESM 270</td>
<td>Fall, Spring, Summer</td>
</tr>
<tr>
<td></td>
<td>Implement your own fitness program utilizing the Wellness and</td>
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<tr>
<td></td>
<td>Strength/Conditioning Centers on campus. Participants complete an</td>
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<td></td>
<td>organized fitness pre-assessment during the first week of class and</td>
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<td></td>
<td>a post-assessment during the last week of class with credit given for</td>
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<td></td>
<td>individual workouts throughout the semester. May be repeated for a</td>
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<tr>
<td></td>
<td>maximum of 4 credits.</td>
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<tr>
<td>179</td>
<td>Aerobic Walking *</td>
<td>1 cr</td>
<td>None</td>
<td>Occasionally</td>
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<td></td>
<td>To learn and develop proper aerobic walking techniques and develop</td>
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<tr>
<td></td>
<td>appropriate personal fitness benefits of walking. May be repeated for a</td>
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<td></td>
<td>maximum of 4 credits.</td>
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<tr>
<td>180</td>
<td>Soccer I</td>
<td>1 cr</td>
<td>None</td>
<td>Occasionally</td>
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<tr>
<td></td>
<td>Practicing in basic principles of soccer skills. Class is divided into</td>
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<td></td>
<td>groups for principles of team play and the use of these skills in game</td>
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<tr>
<td></td>
<td>situations.</td>
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<tr>
<td>181</td>
<td>Soccer II</td>
<td>1 cr</td>
<td>HESM 180</td>
<td>Occasionally</td>
</tr>
<tr>
<td></td>
<td>or consent of instructor. Freq: Occasionally:</td>
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<tr>
<td></td>
<td>Advanced study and practice in the tactics, strategy and fitness of the</td>
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<tr>
<td></td>
<td>game of soccer, with emphasis on theory rather than techniques.</td>
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<tr>
<td>182</td>
<td>Softball</td>
<td>1 cr</td>
<td>None</td>
<td>Occasionally</td>
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<tr>
<td></td>
<td>Fundamentals of softball, position play stressed, offensive and</td>
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<tr>
<td></td>
<td>defensive team play presented.</td>
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<tr>
<td>183</td>
<td>Cross Training I</td>
<td>1 cr</td>
<td>Consent of instructor</td>
<td>Occasionally</td>
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<tr>
<td></td>
<td>Designed for developing power and quickness for the athlete who</td>
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<tr>
<td></td>
<td>participates in serious recreational leagues and amateur sports</td>
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<td></td>
<td>competition, combining plyometrics, agility, and speed training.</td>
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<tr>
<td>184</td>
<td>Cross Training II</td>
<td>1 cr</td>
<td>HESM 183</td>
<td>Occasionally</td>
</tr>
<tr>
<td></td>
<td>or consent of instructor. Freq: Occasionally:</td>
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<td></td>
<td>Mid-level skill developmental in the areas of plyometrics, agility, and</td>
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<tr>
<td></td>
<td>speed for the serious recreational and amateur sports competitor.</td>
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<tr>
<td>185</td>
<td>Cross Training III</td>
<td>1 cr</td>
<td>HESM 184</td>
<td>Occasionally</td>
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<tr>
<td></td>
<td>or consent of instructor. Freq: Occasionally:</td>
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<tr>
<td></td>
<td>Advanced skill development in the areas of plyometrics, agility, and</td>
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<td></td>
<td>speed for the serious competitor in amateur athletics.</td>
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<tr>
<td>186</td>
<td>Cross Training IV</td>
<td>1 cr</td>
<td>HESM 185</td>
<td>Occasionally</td>
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<tr>
<td></td>
<td>or consent of instructor. Freq: Occasionally:</td>
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<tr>
<td></td>
<td>High performance development in advanced skills of plyometrics, agility,</td>
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<td></td>
<td>and speed for the serious competitor and amateur athlete.</td>
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<tr>
<td>190</td>
<td>Special Topics</td>
<td>1 cr</td>
<td>None</td>
<td>Occasionally</td>
</tr>
<tr>
<td></td>
<td>Selected activity courses will be examined.</td>
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<tr>
<td>192</td>
<td>Track and Field</td>
<td>1 cr</td>
<td>None</td>
<td>Occasionally</td>
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<tr>
<td></td>
<td>Fundamentals of track and field events.</td>
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<tr>
<td>194</td>
<td>Volleyball</td>
<td>1 cr</td>
<td>None</td>
<td>Occasionally</td>
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<tr>
<td></td>
<td>Fundamentals of technique, elements of attack and defense, rules</td>
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<tr>
<td></td>
<td>interpretation, game strategy, officiating and skill testing.</td>
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<tr>
<td>196</td>
<td>Weight Training</td>
<td>1 cr</td>
<td>None</td>
<td>Occasionally</td>
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<tr>
<td></td>
<td>Elementary weight training to introduce the student to a general program</td>
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<tr>
<td></td>
<td>of the basic lifts, the muscle groups affected by these lifts, and</td>
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<td></td>
<td>procedures of safety factors and theory of weight training.</td>
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<tr>
<td>201</td>
<td>Community First Aid and</td>
<td>1 cr</td>
<td>None</td>
<td>Occasionally</td>
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<tr>
<td></td>
<td>Cardio Pulmonary Resuscitation</td>
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<tr>
<td></td>
<td>To train responders to recognize and care for non life-threatening</td>
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<td></td>
<td>emergencies and life-threatening respiratory or cardiac emergencies in</td>
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<tr>
<td></td>
<td>adults, children and infants. Certifications include Standard First Aid</td>
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<tr>
<td></td>
<td>and Adult, Children and Infant Cardio-Pulmonary Resuscitation and</td>
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<tr>
<td></td>
<td>Automated External Defibrillation (CPR/AED)</td>
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<tr>
<td>210</td>
<td>Introduction to Health, Exercise Science and</td>
<td>3 cr</td>
<td>None</td>
<td>Fall, Spring</td>
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<tr>
<td></td>
<td>Sport Management</td>
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<tr>
<td></td>
<td>Provides an overview of the health, exercise science and sports</td>
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<tr>
<td></td>
<td>industries. Emphasis will be placed on basic management principles</td>
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<td></td>
<td>and career opportunities.</td>
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<tr>
<td>220</td>
<td>Advanced Issues in Sport Management</td>
<td>3 cr</td>
<td>HESM 210</td>
<td>Occasionally</td>
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<td></td>
<td>or better. Freq: Fall, Spring.</td>
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<td></td>
<td>An intermediate course where greater disciplinary depth is explored with</td>
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<td>emphases on applied learning through project design, implementation,</td>
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<td></td>
<td>and analyses of sub-disciplinary topics. Combines classroom instruction</td>
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<td>with practical experiences in the field in order to better prepare</td>
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<tr>
<td></td>
<td>students for working in today's industry.</td>
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<tr>
<td>232</td>
<td>Lifeguard Training</td>
<td>2 cr</td>
<td>None</td>
<td>Occasionally</td>
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<tr>
<td></td>
<td>Ability to swim 500 yards continuously using the front crawl and</td>
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<td></td>
<td>breast stroke. Freq: Spring.</td>
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<td></td>
<td>Develops lifeguard skills and knowledge needed to prevent and respond</td>
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<td>to aquatic emergencies. Upon successful completion American Red Cross</td>
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<tr>
<td></td>
<td>certifications will be issued. Additional fees</td>
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<tr>
<td>233</td>
<td>Water Safety Instructor</td>
<td>2 cr</td>
<td>Level 4 swimmer skills</td>
<td>Fall</td>
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<tr>
<td></td>
<td>Students completing this course will be eligible to teach progressive</td>
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<tr>
<td></td>
<td>swimming courses and four other certifying courses. Meets American Red</td>
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<td></td>
<td>Cross standards. One-hour lecture. Additional fees</td>
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<tr>
<td>240</td>
<td>Ballet I</td>
<td>2 cr</td>
<td>None</td>
<td>Occasionally</td>
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<tr>
<td></td>
<td>Ballet I offers the student the opportunity to get in shape and achieve</td>
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<tr>
<td></td>
<td>positive personal goals through the study of classical ballet technique,</td>
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<tr>
<td></td>
<td>terminology and style.</td>
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<tr>
<td>241</td>
<td>Ballet II</td>
<td>2 cr</td>
<td>HESM 240</td>
<td>Occasionally</td>
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<tr>
<td></td>
<td>or previous ballet dance training.</td>
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<td></td>
<td>Freq: Occasionally.</td>
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<td></td>
<td>A continuing study of ballet techniques, music and performance styles</td>
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<tr>
<td></td>
<td>for dancers who have already experienced beginning ballet study.</td>
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<tr>
<td>242</td>
<td>Jazz Dance I</td>
<td>2 cr</td>
<td>None</td>
<td>Occasionally</td>
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<tr>
<td></td>
<td>Jazz Dance offers the opportunity to get in shape and achieve positive</td>
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<td></td>
<td>personal goals through the study of jazz dance, terminology and styles of</td>
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<tr>
<td></td>
<td>dancing.</td>
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<tr>
<td>243</td>
<td>Jazz Dance II</td>
<td>2 cr</td>
<td>HESM 242</td>
<td>Occasionally</td>
</tr>
<tr>
<td></td>
<td>or consent of instructor. Freq: Occasionally:</td>
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<tr>
<td></td>
<td>Further study of jazz dance technique, terminology, style, musicality, and</td>
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<td></td>
<td>quality of motion. Includes the origin of jazz dance and the continuing</td>
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<td></td>
<td>evolution of this indigenous American art form.</td>
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<tr>
<td>250</td>
<td>Sport Safety Training for Coaches</td>
<td>3 cr</td>
<td>None</td>
<td>Fall</td>
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<tr>
<td></td>
<td>Provides coaches with a knowledge and skills to help provide a safe</td>
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<td></td>
<td>environment for athletes while they are practicing, competing and</td>
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<tr>
<td></td>
<td>recovering from injury. During this course students/coaches will learn</td>
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<tr>
<td></td>
<td>basic taping techniques, concussion evaluations and injury management.</td>
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<tr>
<td>251-266</td>
<td>COACHING THEORY</td>
<td></td>
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</tr>
<tr>
<td>251</td>
<td>Baseball</td>
<td>2 cr</td>
<td>HESM 115</td>
<td>Occasionally</td>
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<tr>
<td></td>
<td>A study of the techniques necessary to organize, administer, and teach</td>
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<td></td>
<td>baseball for interscholastic competition. Two-hour lecture.</td>
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<tr>
<td>252</td>
<td>Basketball</td>
<td>2 cr</td>
<td>HESM 117</td>
<td>Occasionally</td>
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<td></td>
<td>A study of the techniques necessary to organize, administer, and teach</td>
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<tr>
<td></td>
<td>basketball for interscholastic competition. Two-hour lecture.</td>
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<tr>
<td>259</td>
<td>Soccer</td>
<td>2 cr</td>
<td>HESM 180</td>
<td>Occasionally</td>
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<td></td>
<td>A study of the techniques necessary to organize, administer, and teach</td>
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<td></td>
<td>soccer for interscholastic competition. Two-hour lecture.</td>
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</tr>
</tbody>
</table>
260 Softball ................................................................. 2 cr
Prereq: HESM 182 or consent of instructor. Freq: Occasionally.
A study of the techniques necessary to organize, administer, and teach
softball for interscholastic competition. Two-hour lecture.

264 Track and Field ..................................................... 2 cr
Prereq: HESM 192 or consent of instructor. Freq: Occasionally.
A study of the techniques necessary to organize, administer, and teach
track and field for interscholastic competition. Two-hour lecture.

266 Volleyball ........................................................... 2 cr
Prereq: HESM 194 or consent of instructor. Freq: Occasionally.
A study of the techniques necessary to organize, administer, and teach
volleyball for interscholastic competition. Two-hour lecture.

270 Lifetime Wellness .................................................. 3 cr
Prereq: None. Freq: Fall, Spring, Summer.
Provides the necessary knowledge and skills to develop a personal
fitness/wellness program and to achieve greater lifelong health and
wellness. 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. Workouts outside of the scheduled class period will be
required.

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: Spring.
Designed to introduce the student to the general techniques and
responsibilities necessary for success in athletic coaching.

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 and Fitness Management .......... 3 cr
Prereq: Junior/senior standing. Freq: Fall, Spring.
A presentation of the basic legal system, terminology and principles
as applied to sport and fitness management. Emphasis is placed on
identifying and analyzing legal issues, the ramifications of those issues,
and the means of limiting liability of sport and fitness organizations.
Topics covered include negligence, risk management, and contract law.

301 Sport Conditioning Practice Design .......................... 2 cr
Prereq: None. Freq: Yearly.
Designed to develop a general understanding of aerobic and anaerobic
conditioning principles and techniques for developing agility, strength,
and quickness. Includes practice design for peak performance.
Emphasis on how to apply these principles and techniques in a practice
setting.

310 Sports Industry Regulation ...................................... 3 cr
Prereq: Junior/senior standing. Freq: Yearly.
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.

320 The Business of Minor League Baseball ..................... 3 cr
Prereq: None. Freq: Occasionally.
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.

321 Women's Health Issues .......................................... 3 cr
Prereq: Junior/senior standing. Freq: Occasionally.
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.

330 Advanced First Aid and Emergency Response ............. 3 cr
Prereq: Sophomore standing (minimum). Freq: Fall, Spring.
Provide 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.

335 Race, Ethnicity and Baseball in American Society ........ 3 cr
Prereq: At least sophomore standing or consent of instructor.
Freq: Summer.
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.

339 Sustainable Sport Management ................................ 3 cr
Prereq: At least sophomore standing. Freq: Occasionally.
A survey of sustainable business techniques employed by sports
organizations in the areas of facility financing, facility development,
marketing and event operations. Course will also examine how sports
organizations employ marketing techniques focused on and including
sustainable/green concepts.

340 Aging and Wellness ............................................... 3 cr
Prereq: HESM 270 or BIOS 109, or consent of instructor.
Freq: Occasionally.
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.

345 Prevention and Care of Athletic Injuries ..................... 3 cr
Prereq: BIOS 105, 106 or BIOS 300, 341 with a grade of C or better
in each course. Freq: Fall.
A study of the latest techniques in the prevention of injuries related to
fitness, recreation and athletics. Areas covered will focus on injury
evaluation and care, including conditioning, taping, wound care,
therapeutic modalities, and rehabilitation exercises.

350 Research Methods in Exercise Science ...................... 3 cr
Prereq: PSYC 250 or BIOS 210. Freq: Spring.
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.

353 Biomechanics .................................................... 4 cr
Prereq: BIOS 105, 106 or BIOS 300, 341; and MATH 111 with a
grade of C or better in each course. Freq: Fall, Spring.
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.
354 Physiology of Exercise ............................................ 4 cr
Prereq: BIOS 105, 106 or BIOS 300, 341; and MATH 111 with a grade of C or better in each course. Freq: Fall, Spring.
Studies the physiological changes of the human body, during and after exercise, and their implications to human performance. Three hour lecture; required lab session.

358 Sport and Fitness Psychology .................................. 3 cr
Prereq: Junior/senior standing; PSYC 101 with a grade of C or better. 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.

360 Sports Media & Public Relations .............................. 3 cr
Prereq: At least sophomore standing. Freq: Occasionally.
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.

365 Personal, School, and Community Health ................... 2 cr
Prereq: None. Freq: Occasionally.
Examines problem issues in health and hygiene. Discussion includes problems involving pollution, drugs, nutrition, disease, sanitation, and personal safety.

370 Event Management ............................................. 3 cr
Prereq: Junior/senior standing. Freq: Spring.
A study of the knowledge and skills necessary for an effective event manager. Topics include planning, conducting, staffing, financing and evaluating events. Students will be involved in the development of medical emergency, evacuation, crowd control, registration and risk management plans. Students will study theoretical concepts and have opportunities for practical application.

380 Facility Development and Management .................... 3 cr
Prereq: Junior/senior standing. Freq: Yearly.
A study of the planning, development, and management of sport and fitness facilities including standard setting, financial planning, architectural design, functional concerns, budget, and personnel management.

389 Special Topics in Sport Management ....................... 1-3 cr
Prereq: Varies by topic. Freq: Occasionally.
Selected topics in sport management will be examined.

390 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.

410 Fitness Assessment and Prescription .......................... 3 cr
Prereq: HESM 353, 354. Freq: Fall.
Provides the knowledge and skills to access, analyze, and prescribe appropriate fitness and health behavior programs for a diverse population. Special focus will be on standards set forth by the American College of Sport Medicine.

415 Scientific Principles of Strength and Conditioning ........... 4 cr
Prereq: HESM 353 with a grade of C or better. Freq: Fall.
Examines theoretical and applied aspects of strength and conditioning including exercise physiology, biomechanics, nutrition, sport psychology and training adaptations. Covers exercise technique, flexibility development, testing, resistance training program design, periodization, plyometrics, aerobic and anaerobic conditioning, and facilities and risk management. Required laboratory session.

420 Sport Business and Finance .................................... 3 cr
Prereq: Junior/senior standing. Freq: Fall.
A study of theory and applications in the fundamental business practices as applied to sport management. Topics covered include revenue sources, budget development, ownership, taxation, financial analysis and economic impact studies.

425 Program Design and Exercise Techniques.................. 3 cr
Prereq: HESM 415. Freq: Spring.
Offers students advanced knowledge and practice in the two most important aspects of the strength and conditioning and related fitness professions, program design and exercise techniques. Students learn the principles underlying effective exercise program design for a variety of exercise modes and gain experience creating exercise programs.

430 Fitness Program Management ................................ 3 cr
Utilizes theoretical considerations and practical applications for planning, developing and managing health and fitness organizations. Includes the management of personnel, the facility, marketing, and programming.

445 Therapeutic Exercise for Athletic Injuries .................... 3 cr
Prereq: HESM 345. Freq: Spring.
Comprehensive approach to therapeutic exercises for treatment and rehabilitation of athletic injuries.

450 Sport and Fitness Marketing .................................... 3 cr
Prereq: Junior/senior standing. Freq: Fall, Spring.
A study of basic marketing concepts with application to sport and fitness organizations. Topics include promotions and public relations, sponsorship, endorsements, consumer demographics, consumer behavior and market research. Activities include the development of a promotion and a detailed marketing plan for a sport or fitness enterprise.

455 Sport Sales and Customer Service ............................ 3 cr
Prereq: Junior/senior standing. Freq: Yearly.
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.

456 Athletic Fundraising ........................................... 3 cr
Prereq: Junior/senior standing. Freq: Occasionally.
Examines the development of successful fundraising programs in intercollegiate athletic programs.

480 Senior Seminar in Sport Management ....................... 3 cr
Prereq: Accepted into sport management major with senior standing. Freq: Fall, Spring.
A capstone experience for sport management majors in their last year. Course features review and discussion of current industry materials and topics. Students must also complete an individual research project focused on a current sport management topic that includes an in-class presentation.

489 Special Topics in Sport Management ....................... 1-3 cr
Prereq: Varies by topic. Freq: Occasionally.
Selected topics in sport management will be examined.

490 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.

491 Varsity Sports Field Experience ......................... 1 cr
Prereq: Open to all students by tryout; consent of instructor. Freq: Fall, Spring.
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.

494 Internship ....................................................... 1-3 cr
Prereq: Consent of instructor. Freq: Fall, Spring, Summer.
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.

495 Fieldwork in Sport Management ............................ 1-9 cr
Prereq: 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.
A supervised field-based sport management experience in the conditions, practices, and environmental settings where intended vocational roles are conducted. Requires placement approval by HESM faculty member.
498 Fieldwork in Exercise Science ........................................... 1-12 cr
Prereq: Accepted exercise science major with a minimum major GPA of 2.75. A minimum of 3 credits are required to be completed in the student's last semester of course work. Freq: Fall, Spring, Summer. A supervised field-based exercise science experience in the conditions, practices, and environmental settings where intended vocational roles are conducted. Requires placement approval by HESM faculty member.

499 Independent Study ............................................................. 1-3 cr
Prereq: Consent of instructor and department chair. Freq: Fall, Spring, Summer. Independent work in specific areas under HESM faculty supervision.
HEALTH INFORMATION MANAGEMENT AND TECHNOLOGY

UW-PARKSIDE 2015-17 CATALOG

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.

Requirements for the Health Information Management and Technology Major
(60 credits)
To complete the degree program, students must successfully complete all of UW-Parkside’s graduation requirements including the general education, ethnic diversity and foreign language requirements. Students admitted to the program will take 48 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 (48 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>HIMT 300</td>
<td>Survey of Contemporary Computing</td>
<td>3</td>
</tr>
<tr>
<td>HIMT 310</td>
<td>Healthcare Systems and Organizations</td>
<td>3</td>
</tr>
<tr>
<td>HIMT 320</td>
<td>Survey of Information Technology in Healthcare</td>
<td>3</td>
</tr>
<tr>
<td>HIMT 330</td>
<td>Healthcare I: Terminology and Body Systems</td>
<td>3</td>
</tr>
<tr>
<td>HIMT 340</td>
<td>Ethical Issues, Security Management and Compliance</td>
<td>3</td>
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<tr>
<td>HIMT 350</td>
<td>Statistics for Healthcare</td>
<td>3</td>
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<tr>
<td>HIMT 360</td>
<td>Healthcare II: Survey of Disease and Treatments</td>
<td>3</td>
</tr>
<tr>
<td>HIMT 370</td>
<td>Healthcare Systems: Analysis and Design</td>
<td>3</td>
</tr>
<tr>
<td>HIMT 380</td>
<td>Healthcare Billing, Coding and Reimbursement</td>
<td>3</td>
</tr>
<tr>
<td>HIMT 400</td>
<td>Healthcare Information and Technology – Data</td>
<td>3</td>
</tr>
<tr>
<td>HIMT 410</td>
<td>Healthcare Systems: Implementation and Integration</td>
<td>3</td>
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<tr>
<td>HIMT 420</td>
<td>Healthcare Systems: Project Management</td>
<td>3</td>
</tr>
<tr>
<td>HIMT 430</td>
<td>Quality Assessment and Improvement</td>
<td>3</td>
</tr>
<tr>
<td>HIMT 440</td>
<td>Group Processes, Team Building and Leadership</td>
<td>3</td>
</tr>
<tr>
<td>HIMT 450</td>
<td>Healthcare Information and Technology- Standards</td>
<td>3</td>
</tr>
<tr>
<td>HIMT 490</td>
<td>Capstone Project</td>
<td>3</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</td>
</tr>
<tr>
<td>HIMT 365</td>
<td>Healthcare Economics</td>
<td>3</td>
</tr>
<tr>
<td>HIMT 415</td>
<td>Human Resource Management in Healthcare</td>
<td>3</td>
</tr>
<tr>
<td>HIMT 445</td>
<td>Application of Leadership and Management in Healthcare</td>
<td>3</td>
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</tbody>
</table>

OR

2. Healthcare Technology Track (12 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIMT 345</td>
<td>Programming and Software Development</td>
<td>3</td>
</tr>
<tr>
<td>HIMT 375</td>
<td>Database Structures and Management Systems</td>
<td>3</td>
</tr>
<tr>
<td>HIMT 425</td>
<td>Data Warehousing and Mining</td>
<td>3</td>
</tr>
<tr>
<td>HIMT 435</td>
<td>Data Communications and Networks in Healthcare</td>
<td>3</td>
</tr>
</tbody>
</table>

To complete the major, students are required to complete the core 16 courses and 4 courses in one of the tracks available for a total of 20 courses (60 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 information 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 (RFQ, 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.

415 Human Resource Management in Healthcare ............3 cr
Prereq: None. Freq: Fall, Spring, Summer.
Examines the role of HIM staff in managing human resources to facilitate staff recruitment, retention and supervision.

420 Healthcare Systems: Project Management ..................3 cr
Prereq: None. Freq: Fall, Spring, Summer.
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.

425 Data Warehousing and Mining ................................3 cr
Prereq: HIMT 375. Freq: Fall, Spring, Summer.
Examines 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.

430 Quality Assessment and Improvement .....................3 cr
Prereq: HIMT 350. Freq: Fall, Spring, Summer.
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.

435 Data Communications and Networks in Healthcare ..........3 cr
Prereq: HIMT 300. Freq: Fall, Spring, Summer.
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.

440 Group Processes, Team Building and Leadership ..........3 cr
Prereq: HIMT 355. Freq: Fall, Spring, Summer.
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.

445 Application of Leadership and Management in Healthcare Technology ......................................................3 cr
Prereq: HIMT 355, 365, 415. Freq: Fall, Spring, Summer.
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.

450 Healthcare Information and Technology—Standards ....3 cr
Prereq: HIMT 400. Freq: Fall, Spring, Summer.
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.
Capstone Project

Prereq: Senior status and consent of instructor. Freq: Fall, Spring, Summer.

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.
HISTORY

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)

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<thead>
<tr>
<th>Course</th>
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<tr>
<td>HIST 101</td>
<td>The United States, Origins to Reconstruction</td>
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<td>HIST 102</td>
<td>The United States, Reconstruction to Recent Times</td>
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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:

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<td>HIST 118</td>
<td>Western Civilization I: From Antiquity to 1300</td>
<td>3 cr</td>
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<td>HIST 119</td>
<td>Western Civilization II: The Middle Ages to 1815</td>
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<td>HIST 120</td>
<td>Western Civilization III: From 1815 to the Present</td>
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<td>HIST 126</td>
<td>World History I: From Antiquity to 1300</td>
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<td>HIST 127</td>
<td>World History II: From 1300 to 1800</td>
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<td>HIST 128</td>
<td>World History III: From 1800 to the Present</td>
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<td>HIST 250</td>
<td>Sources and Methods in History</td>
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B. Required Course (3 credits)

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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

Prereq: None. Freq: Fall, Spring, Summer.
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

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

Prereq: None. Freq: Spring.
Covers the social, cultural, economic, religious, literary, and political aspects of life in all regions of Asia, including China, India, Japan, Southeast Asia, and their neighboring countries. Cross-listed with INTS 103.

104. Introduction to the Middle East

Prereq: None. Freq: Spring.
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. Examines a handful of these themes within the context of one country (or region) at a time, exploring a new country each week.

118. Western Civilization I: From Antiquity to 1300

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

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 war forced them to develop new technologies, forms of government, and social institutions. This course examines the Middle Ages as a time of change and stability, and how they came together to influence the modern world.

120. Western Civilization III: From 1815 to the Present

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 quest for cultural dominance led to revolutions and world wars. This course examines the last two centuries of Western history, beginning with the ideals of the Congress of Vienna in 1815 to a more pragmatic modern day.

126. World History I: From Antiquity to 1300

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

Prereq: None. Freq: Fall.
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

Prereq: None. Freq: Fall, Spring, Summer.
Considers the roles of technology, imperialism, and ideology in this era of unprecedented global conflict and rapid social change. Topics include the decline of European colonial empires, the consequences of two World Wars, the impact of Nazism and the Holocaust, and the steady progress made by women in social and political arenas.

180. Popular Culture

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

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

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 Evolution of Latin America

Prereq: ENGL 101. Freq: Fall.
Broad topical survey of Latin America from pre-Columbian civilizations to the present.

250 Sources and Methods in History

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.
Familiarizes students with ways of studying history, basics of historical methods in research and writing, mechanics of archival and library research, oral history, and the role of historians in contemporary society.

260 International Conflict

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

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

Prereq: ENGL 101 and one 100-level HIST course. Freq: Occasionally. Selected topics in history will be examined.

291 Topics in Multicultural History

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

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

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

Prereq: HIST 250 or consent of instructor. Freq: Occasionally.
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 State Historical Society, and examines oral history.

313 Colonialism

Prereq: HIST 250 or consent of instructor. Freq: Spring.
Examines the causes and consequences of European and American colonial expansion in Africa, Asia, and Latin America, focusing on the 19th and 20th centuries, with attention to the experiences of both colonized and colonizers.

315 History of the Modern Middle East

Prereq: HIST 250 or consent of instructor. Freq: Fall.
Examines the historical context of and underlying reasons for the current challenges facing the Middle East today. Topics include Egypt from Muhammad Ali through the Arab Spring, Gajar 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

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

Prereq: HIST 250 or consent of instructor. Freq: Spring (even years).
Examines the history of Islam from its origins in seventh-century Arabia to becoming the world's second largest religion today. It covers the life of Muhammad, the Sunni-Shi'a split, the status of women and gender debates in Islam, the major Islamic empires, Islamic modernists, Islamists, and extremists.

319 Arab-Israeli Conflict

Prereq: HIST 250 or consent of instructor. Freq: Spring (odd years).
Examines 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

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

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

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.

327 History of Britain I: To 1603

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

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

Prereq: HIST 250 or consent of instructor. Freq: Occasionally.
Russia in the heyday of serfdom, 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

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: Occasionally.
An exploration of the problem of poverty in American history, with particular attention to the experiences of poor Americans, the evolution of explanations of poverty, and the range of ways Americans have confronted the issue. A community-based learning component is central to the course.

337 African-American History ....................................................3 cr
Prereq: HIST 101 or 102. Freq: Spring (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 250 or consent of instructor. Freq: Fall (even years).
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.

345 America in Power and Peril 1917-1953 .................................3 cr
Prereq: HIST 250 or consent of instructor. Freq: Fall (even years).
A survey of the nation's experience as an emergent global power along with the effects of waning 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.

346 Recent America, 1953-Present ..............................................3 cr
Prereq: HIST 250 or consent of instructor. Freq: Spring (odd years).
An examination of 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.

347 Topics in Latin American History .........................................3 cr
Prereq: HIST 250 or consent of instructor. Freq: Occasionally.
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.

348 Europe Between the Wars: 1919-1939 .................................3 cr
Prereq: HIST 120, and HIST 250 or consent of instructor.
Freq: Occasionally.
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.

349 Europe Since 1945 .............................................................3 cr
Prereq: HIST 120, HIST 250 or consent of instructor. Freq: Spring (even years).
The end of World War II; the Cold War and Sovietization of Eastern Europe; political change in the West; decolonization; European unification; evolutions of 1989; recent developments in Europe.

350 Immigration and Race in Modern Europe ..............................3 cr
Prereq: HIST 250 or consent of instructor. Freq: Occasionally.
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.

351 Ancient and Imperial China, 2200 BCE – 1644 CE ..................3 cr
Prereq: HIST 250 or consent of instructor. Freq: Occasionally.
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.

352 China from the Opium Wars to World War II .........................3 cr
Prereq: HIST 250 or consent of instructor. Freq: Fall (even years).
Explores the economic, political, military, and natural disasters that beset China in the late 19th and early 20th centuries and contributed to the Qing Dynasty's steady loss of the "Mandate of Heaven."

353 China Since World War II ...................................................3 cr
Prereq: HIST 250 or consent of instructor. Freq: Spring (odd years).
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.

354 Japan in the Late Samurai Age: 1400-1867 ............................3 cr
Prereq: HIST 250 or consent of instructor. Freq: Fall (odd years).
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.

355 Japan Since the Samurai Age: 1868-Present ..........................3 cr
Prereq: HIST 250 or consent of instructor. Freq: Spring (even years).
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.
460 International Conflict ......................................................... 3 cr
Prereq: HIST 250 or consent of instructor. 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. Course differs from HIST
260 as that a research paper will be required.

468 Holocaust Studies ........................................................... 3 cr
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.

490 Special Topics in History ..................................................... 1-4 cr
Prereq: HIST 250 or consent of instructor. Freq: Occasionally.
Selected topics in history will be examined. Research paper required.

491 Topics in Multicultural History .......................................... 3 cr
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.

494 Internship in History .......................................................... 1-6 cr
Prereq: HIST 250, 3.0 GPA in history, consent of instructor and
department chair. Freq: Fall, Spring, Summer.
Research and project-related work at university and non-university
agencies and offices, such as state and county historical societies.
A limited number of internships are available; thus the awarding of
internships will be on a competitive basis, taking into account GPA and
number of credits completed. A maximum of 3 credits of internship
work may be counted toward the major.

497 History Capstone .............................................................. 3 cr
Prereq: HIST 250. Freq: Spring.
Examines the development of history as a system of knowledge from
ancient times to the present, focusing on major schools of interpretation,
leading historical debates, and professional opportunities.

499 Independent Study ............................................................ 1-6 cr
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.
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.
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.

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 2015-17 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, Elizabeth Brownson, Consuelo Ciernens, Seif Dana, Kathleen Gillogly, Gail Gonzalez, Stephen Hawk, Peggy James, Farida Khan, Xun Wang, Zhemin Wang, and John Ward.

International Studies 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 and 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 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:

3 cr

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.

B. Core Courses (15 credits)
Core courses provide the broad comparative and global perspective and theoretical background essential to an international studies major.

1. Methods Course (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:

3 cr

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2. Core Elective Courses (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 382.

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  Survey of World Literature ..........3 cr
ENGL 347  Survey of 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
POLS 350  Theories of Comparative Politics ......3 cr
SOCA 202/ INTS 210  Cultural Anthropology ......3 cr
SOCA 379  Society and Environment .............3 cr
OR
SOCA 382  Environmental Anthropology ..........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

Study abroad or other experiential learning activity in international studies is strongly recommended.

Each student planning to major in international studies must consult regularly with an international studies faculty adviser 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.

COMM 365  Intercultural Communication ..................3 cr
COMM 460  Global Media ...................................3 cr
A. credits of elective courses.

Requirements for the Asian Studies

C. Core Courses (9 credits)

Option D - International Commerce

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 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.

Elective Courses (9 credits)

C. Elective Course (9 credits)

Choose three 3-credit courses, in consultation with an international studies advisor, 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

B. Elective Courses (9 credits)

ECON 308 Economic Development .................. 3 cr
ECON 310/ INTS 310 International Trade .................. 3 cr
ENGL 346 Survey of World Literature .................. 3 cr
 OR
ENGL 347 Survey of 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
POL 304 Theories of International Relations ........... 3 cr
POL 331 The Politics of Developing Nations ............. 3 cr
POL 350 Theories of Comparative Politics ............... 3 cr
SOC 202/ INTS 210 Cultural Anthropology ............... 3 cr
SOC 379 Society and Environment ....................... 3 cr
SOC 382 Environmental Anthropology ................... 3 cr

2. Elective Core Courses (6 credits)

Choose two:

 HIST 386 China Since World War II ...................... 3 cr
 HIST 388 Japan Since the Samurai Age: 1868-Present .... 3 cr
 SOCA 228 Peoples of Southeast Asia ..................... 3 cr
 SOCA 329 Social Institutions in Contemporary China .... 3 cr

B. Elective Courses (9 credits)

ECON 301 Economic Issues of South Asia ............... 3 cr
HIST 384 Ancient and Imperial China, 2200 BCE – 1644 CE .... 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 Societies ... 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. For inquiries regarding the minor or the certificate, contact Professor Jeffrey Alexander.

A. Required Course (3 credits)

 INTS/ HIST 103 Introduction to Asia ..................... 3 cr

B. Elective Courses (9 credits)

ECON 301 Economic Issues of South Asia ............... 3 cr
HIST 384 Ancient and Imperial China, 2200 BCE – 1644 CE .... 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
LBST 309 Gender, Marriage, and Family in Chinese Societies ... 3 cr
SOCA 228 Peoples of Southeast Asia ..................... 3 cr
SOCA 328 Asians in American Society .................. 3 cr
SOCA 329 Social Institutions in Contemporary China ....... 3 cr

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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.

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
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<tbody>
<tr>
<td>INTS 495</td>
<td>Senior Seminar in International Studies</td>
<td>3 cr</td>
</tr>
<tr>
<td>MODL 103</td>
<td>Modern Language I</td>
<td>4 cr</td>
</tr>
<tr>
<td>MODL 104</td>
<td>Modern Language II</td>
<td>4 cr</td>
</tr>
</tbody>
</table>

**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 understand and appreciate the impact of international affairs on their daily lives. 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

**B. Core Course (3 credits)**

Choose one:

- COMM 365 Intercultural Communication: 3 cr
- COMM 460 Global Media: 3 cr
- ECON 308 Economic Development: 3 cr
- ECON 310/332 World of Music: 2 cr
- ENGL 346 Topics in Pre-1800 World Literature: 3 cr
- ENGL 347 Topics in 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
- POLS 350 Theories of Comparative Politics: 3 cr
- SOCA 202/210 Cultural Anthropology: 3 cr
- SOCA 379 Society and Environment: 3 cr
- SOCA 382 Environmental Anthropology: 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**

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**

Prereq: None. Freq: Fall.

Covers the social, cultural, economic, religious, literary, and political aspects of life in all regions of Asia, including China, India, Japan, Southeast Asia, and their neighboring countries. Cross-listed with HIST 103.

**109 Fundamentals of Global 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. Cross-listed with GEOS 109.

**110 American Language and Culture**

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.

**205 Orientation to Study Abroad**

Prereq: None. Freq: Yearly.

Provides an introduction to various challenges (academic, social, cultural, linguistic, political and economic) related to studying in a foreign country. Students are familiarized with theories associated with culture shock, intercultural sensitivity, communication and reverse culture shock and learn to apply these to their own up-coming international experience.
206 Study Abroad Journaling
Prereq: None. Freq: Yearly.
Primarily taught through guided written assignments while studying abroad; demonstrate an understanding of various stages and theories associated with culture shock by applying them to their living and studying abroad experiences in their host country.

207 Cross-Cultural Reentry from Study Abroad
Prereq: None. Freq: Yearly.
Designed for students returning from study abroad; reviews the concept of reentry shock, examines the process of reentry, and provides strategies for integrating the study abroad experiences with academics, professional goals and personal development.

210 Cultural Anthropology
Prereq: SOCA 100 or 101. Freq: Fall.

226 Peoples of Africa
Prereq: SOCA 100 or 101. Freq: Fall.
A survey of the societies and cultures of Africa. Discusses history, cultural variation, and contemporary social change. Cross-listed with SOCA 226.

228 Peoples of Southeast Asia
Prereq: SOCA 100, 101 or INST 100 or consent of instructor. Freq: Spring.
An anthropological survey of Southeast Asia, including the mainland and islands; focuses on cultures, history, socioeconomic conditionals, particularly the everyday life of people. Cross-listed with SOCA 228.

268 Introduction to Holocaust Studies
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/HIST 268.

290 Special Topics in International Studies
Prereq: Consent of instructor. Freq: Occasionally.
Subject matter is topical. Subject varies; see current course schedule.

300 International Study Tours
Prereq: Consent of instructor. Freq: Fall.
Enables students to prepare for and participate in Study Abroad tours in international destinations. Repeatable for a maximum of 6 credits.

301 Global Skills Practicum: Basic Global Skills
Prereq: None. Freq: Yearly.
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.

302 Global Skills Practicum: Perspectives on Globalization
Prereq: None. Freq: Yearly.
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.

303 Global Skills Practicum: Political and Economic Systems
Prereq: None. Freq: Yearly.
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.

304 Global Skills Practicum: Culture and Language
Prereq: None. Freq: Yearly.
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.

310 International Trade
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
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
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
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.

405 Internship In International Education Services
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
Prereq: ECON 121; ECON 321 recommended. Freq: Occasionally.
Examines theories of international trade, government policy toward international trade, and international trading 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
Prereq: Consent of instructor. Freq: Occasionally.
Selected topics in international studies are examined. Subject varies; see current course schedule.

494 Internship in International Studies
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
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
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.
College:
Arts and Humanities

Degree and Programs Offered:
Bachelor of Arts
Major - Liberal Studies
Certificate - Leadership

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

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.

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:

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 100 Introduction to Anthropology..........................3 cr
SOCA 101 Introduction to Sociology..........................3 cr
SOCA 208 Introduction to Archaeology..........................3 cr
WGSS 110 Introduction to Women’s, Gender and Sexuality Studies...........3 cr

ISTD 200 Introduction to Leadership..........................3 cr
POLS 209 Legal Research and Writing..........................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.

4. Senior Seminar Project (3 credits)

LBST 498 Senior Seminar Project..............................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 (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 (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
- SOCA 250 Statistics for the Social Sciences ...... 4 cr
- POLS 200 Research Methods and Sources ....... 4 cr
- PSYC 250 Psychological Statistics ................. 3 cr
- QM 210 Business Statistics I .................... 3 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
- HIST/ETHN 302 Race/Ethnicity in the United States of America 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 Resources 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:

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<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>
<tr>
<td>ART 125</td>
<td>Survey of World Art</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 126</td>
<td>Modern and Contemporary Art: 1900 to Present*</td>
<td>3 cr</td>
</tr>
<tr>
<td>COMM 108</td>
<td>Media and Society</td>
<td>3 cr</td>
</tr>
<tr>
<td>ENGL 167</td>
<td>Introduction to Literature</td>
<td>3 cr</td>
</tr>
<tr>
<td>ENGL 266</td>
<td>Literary Analysis</td>
<td>3 cr</td>
</tr>
<tr>
<td>HUMA 101</td>
<td>Introduction to Humanities: World Cultures to 1500</td>
<td>3 cr</td>
</tr>
<tr>
<td>HUMA 102</td>
<td>Introduction to Humanities: World Cultures 1500 to Present*</td>
<td>3 cr</td>
</tr>
<tr>
<td>PHIL 213</td>
<td>Aesthetics</td>
<td>3 cr</td>
</tr>
<tr>
<td>THEA 124</td>
<td>Basic Acting Skills</td>
<td>3 cr</td>
</tr>
<tr>
<td>THEA/</td>
<td></td>
<td></td>
</tr>
<tr>
<td>WGSS 215</td>
<td>LGBTQ Representation on Stage and Screen</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

2. Core Courses (15 credits)

Required Courses (9 credits):

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HUMA 252</td>
<td>Introduction to Film</td>
<td>3 cr</td>
</tr>
<tr>
<td>ENGL 258</td>
<td>History of Film to 1950</td>
<td>3 cr</td>
</tr>
<tr>
<td>ENGL 259</td>
<td>History of Film from 1950</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 290</td>
<td>Selected Topics in Art</td>
<td></td>
</tr>
<tr>
<td>ENGL 290</td>
<td>Special Topics in English</td>
<td></td>
</tr>
<tr>
<td>LBST 290</td>
<td>Special Topics in Liberal Studies</td>
<td></td>
</tr>
<tr>
<td>PHIL 290</td>
<td>Special Topics in Philosophy</td>
<td></td>
</tr>
<tr>
<td>POLS 290</td>
<td>Special Topics in Political Science</td>
<td></td>
</tr>
<tr>
<td>WGSS 290</td>
<td>Special Topics in Women’s, Gender and Sexuality Studies</td>
<td></td>
</tr>
</tbody>
</table>

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 300-400 level courses in at least two departments in consultation with major adviser:

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 364</td>
<td>Digital Video</td>
<td>3 cr</td>
</tr>
<tr>
<td>ENGL 358</td>
<td>Film Genres*</td>
<td>3 cr</td>
</tr>
<tr>
<td>ENGL 458</td>
<td>Studies in Film*</td>
<td>3 cr</td>
</tr>
<tr>
<td>COMM 350</td>
<td>Digital Storytelling</td>
<td>3 cr</td>
</tr>
<tr>
<td>COMM 360</td>
<td>Contemporary Media Industries</td>
<td>3 cr</td>
</tr>
<tr>
<td>COMM 463</td>
<td>Gender, Race, Class, and Sexuality Studies</td>
<td>3 cr</td>
</tr>
<tr>
<td>THEA 345</td>
<td>Playwriting 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>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>LBST 498</td>
<td>Senior Seminar Project</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

E. Requirements for the Liberal Studies with Women’s, Gender and Sexuality Studies Concentration (30 credits)

1. Introductory Courses (6 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>WGSS 110</td>
<td>Introduction to Women’s, Gender, and Sexuality Studies</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

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**

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 315</td>
<td>Communication and Gender</td>
<td>3 cr</td>
</tr>
<tr>
<td>COMM 463</td>
<td>Gender, Race, Class, and Sexuality Studies in Media</td>
<td>3 cr</td>
</tr>
</tbody>
</table>
Leadership certificate is also an excellent opportunity for civic and personal growth. Pursuing 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)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISTD 200</td>
<td>Introduction to Leadership</td>
<td>3 cr</td>
</tr>
<tr>
<td>ISTD 492</td>
<td>Practicum in Leadership</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

B. Elective Courses (6 credits)

Choose two:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISTD 300</td>
<td>Human Resource Issues</td>
<td>3 cr</td>
</tr>
<tr>
<td>COMM 285</td>
<td>Introduction to Conflict Analysis and Resolution</td>
<td>3 cr</td>
</tr>
<tr>
<td>SOCA 304</td>
<td>Skill Development in Leadership</td>
<td>3 cr</td>
</tr>
<tr>
<td>SOCA 306</td>
<td>Research in Community Needs</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

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.

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 ENGL 252.

341 Aesthetic Values..........................................................3 cr
   Prereq: 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.

342 Ethical Values.............................................................3 cr
   Prereq: HUMA 200 or consent of 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.

343 Knowledge and Understanding..........................................3 cr
   Prereq: 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.

396 Humanities Colloquium..................................................1 cr
   Prereq: 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.

468 Holocaust Studies.......................................................3 cr
   Prereq: 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/INTS 468.

Courses in Interdisciplinary Studies (ISTD)

200 Introduction to Leadership.............................................3 cr
   Prereq: 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.
250 Consumer Statistics .............................................. 3 cr
Prereq: 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.

300 Human Resource Issues ....................................... 3 cr
Prereq: SOCA 100 or 101 or consent of instructor. Freq: Fall.
Identifies a theoretical model of human resource management. Includes
diversity in the workplace; external staffing, training and development
of employees; compensation; labor relations; and employee security,
health and safety.

307 Project Planning ................................................ 3 cr
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.

308 Project Time and Cost Management ....................... 3 cr
Examines 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.

345 Organization Theories ......................................... 3 cr
Prereq: 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.

346 Interorganizational Relationships ............................ 3 cr
Prereq: 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.

367 Latinos(as) and the Law ....................................... 3 cr
Prereq: 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

492 Practicum in Leadership ...................................... 3 cr
Prereq: 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.

Courses in Liberal Studies (LBST)

100 Introduction to the Disciplines: Humanities and the Arts ....... 3 cr
Prereq: Freshman or sophomore standing. Freq: Occasionally.
Explores the nature, history, overarching questions and notable figues
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.

108 Prior Learning Assessment Portfolio Development ........... 3 cr
Prereq: 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 will learn to select, categorize, evaluate, and
document their achievements and accomplishments for review and
assessment related to educational goals, academic placement, and
the awarding of college credit.

290 Special Topics in Liberal Studies ............................ 1-3 cr
Prereq: Consent of instructor. Freq: Occasionally.
Special topics in liberal studies will be examined. May be repeated for
credit with different topic.

309 Gender, Marriage and Family in Chinese Societies ........... 3 cr
Prereq: 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.

390 Special Topics in Liberal Studies ............................ 1-3 cr
Prereq: Consent of instructor. Freq: Occasionally.
Special topics in liberal studies will be examined. May be repeated for
credit with different topic.

490 Special Topics in Liberal Studies ............................ 1-3 cr
Prereq: Junior standing or consent of instructor. Freq: Occasionally.
Special topics in liberal studies will be examined. May be repeated for
credit with different topic.

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.
MATHEMATICS AND PHYSICS

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 physics faculty is 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 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 the Mathematics Major (40-46 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 (19-24 credits)

1. General Mathematics Option (19-24 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)
      MATH 350  Advanced Calculus.........................4 cr
      OR
      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* 2 courses (5-8 credits)

2. Applied Mathematics Option (19 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 (15 credits)
      MATH 310  Advanced Probability Theory
                and Statistics.....................................4 cr
      MATH 317  Differential Equations and Their
                Applications.....................................4 cr
      MATH 350  Advanced Calculus.........................4 cr
      MATH 368  Mathematical Modeling....................3 cr
   b. Math Elective Course (4 credits)
      MATH 423  Complex Analysis .........................4 cr
      OR
      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 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..................................5 cr
   b. Math 400-level Elective (2-4 credits)
   c. Additional Math Upper-level Elective (2-4 Credits)

   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):
   Math Courses Required (26 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 .................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 for 3 credits or MATH 111 for 4 credits (with a grade of C-minus or better).

Placement Examination

Mathematics Placement is by ACT mathematics 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 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.
Mechanical Engineering 4-Year Plan

YEAR 1 AT UW-PARKSIDE (37-45 CREDITS)

Fall Semester (15 credits)

- MATH 221 Calculus and Analytic Geometry I ...........5 cr
- PHYS 201 General Physics I ..................................5 cr
- CHEM 101 General Chemistry 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 241 Scientific Programming ..........................3 cr
- PHYS 211 Statics ..................................................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 (30-36 CREDITS, 3 AT UWM)

Fall Semester (15 credits)

- MATH 223 Calculus and Analytic Geometry III ..........5 cr
- MATH 317 Differential Equations and Their Applications ..........................4 cr
- PHYS 212 Dynamics .............................................3 cr
- Gen Ed Art or Hum or Soc .....................................3 cr

Winterim Semester (3 credits)

- ENGL English Competency Requirement .............3 cr

Spring Semester (12 credits, and 3 credits UWM)

- PHYS 303 Computational Physics ............................3 cr
- OR
- MATH 368 Mathematical Modeling ........................................3 cr
- PHYS 403 Thermodynamics and Statistical Physics ..................4 cr
- CHEM 102 General Chemistry II ............................5 cr
- UWM Elec Eng 301 (or equivalent) 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 (17 credits)

- MechEng 110 Engineering Fundamentals I .............4 cr
- Civ Eng 303 Strength of Materials ..........................4 cr
- MatlEng 201 Engineering Materials ..........................4 cr
- MechEng 321 Basic Heat Transfer ..................................4 cr
- EAS 200 Professional Seminar ..............................1 cr

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 Electrical Circuits I ........................................ 4 cr
- MechEng 362 Electromechanical Energy Conv ......................... 3 cr
- MechEng 367 Intro to Microprocessors .................................. 3 cr
- ElectEng 335 Electronics I .................................................. 4 cr
- ElectEng 420 Random Signals and Systems .............................. 4 cr
- ElectEng 421 Signals and Systems ......................................... 3 cr
- ElectEng 422 Electromechanical Energy Conv ......................... 4 cr
- ElectEng 423 Intro to Microprocessors .................................. 4 cr
- ElectEng 430 Digital Logic .................................................... 3 cr
- ElectEng 440 Random Signals and Systems .............................. 3 cr
- ElectEng 450 Signals and Systems ........................................... 3 cr
- ElectEng 460 Electromechanical Energy Conv ......................... 4 cr
- ElectEng 470 Intro to Microprocessors .................................. 4 cr

**Spring Semester (18 credits)**
- MechEng 438 Mech Eng Experimentation ................................ 3 cr
- MechEng 479 Mechatronics ................................................... 3 cr
- MechEng 496 Senior Design ................................................... 3 cr
- ElectEng 595 Senior Design ................................................... 3 cr
- ElectEng 596 Senior Design ................................................... 3 cr
- ElectEng 438 Mech Eng Experimentation ................................ 3 cr
- ElectEng 479 Mechatronics ................................................... 3 cr
- ElectEng 496 Senior Design ................................................... 3 cr
- ElectEng 595 Senior Design ................................................... 3 cr
- ElectEng 596 Senior Design ................................................... 3 cr

**Summer Semester (6 credits)**
- ElectEng 330 Electronics I ................................................... 4 cr
- ElectEng 340 Random Signals and Systems .............................. 3 cr
- ElectEng 362 Electromechanical Energy Conv ......................... 4 cr
- ElectEng 367 Intro to Microprocessors .................................. 4 cr

### YEAR 3 AT UW-MILWAUKEE

**Fall Semester (15 credits)**
- MatEng 201 Engineering Materials ......................................... 4 cr
- ElecEng 305 Electrical Circuits II .......................................... 4 cr
- ElecEng 354 Digital Logic ...................................................... 3 cr
- Commun XXX Part B Oral & Written ..................................... 3 cr
- EAS 200 Professional Seminar ............................................. 1 cr

**Spring Semester (13 credits)**
- ElecEng 330 Electronics I ................................................... 4 cr
- ElecEng 310 Signals and Systems ............................................ 3 cr
- ElecEng 362 Electromechanical Energy Conv ......................... 4 cr
- ElecEng 367 Intro to Microprocessors .................................. 4 cr

### Courses in Mathematics (MATH)

#### 10 Essential Math Skills ...................................................... 3 cr
- **Prereq**: None. **Freq**: Fall, Spring.
- Review of arithmetic from whole numbers, fractions, decimals to percent. Introduction to elementary algebra including the arithmetic of integers, simple algebraic expressions and equations, and geometric forumlas and figu es. This course should be followed by MATH 015. Some sections are available using computer-enhanced instruction. Course graded on credit/no credit basis. A grade of CR is required to advance to the next level. Four hour lecture; supplemental discussion as warranted by individual student course performance.

#### 11 Essential Math Skills Lab ................................................. 2 cr
- **Prereq**: Completion of departmentally-mandated minimal number of MATH 10 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 10 without having to retake MATH 10 in its entirety. Course graded on credit/no credit basis.

#### 15 Elementary Algebra ...................................................... 4 cr
- **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.
- Review of basic algebra including real-number arithmetic, linear expressions and equations, linear applications, exponential and polynomial operations, polynomial factoring and equations, rational expressions and equations, linear graphing, systems of linear equations, and radicals. Some sections are available using computer-enhanced instruction. Course graded on credit/no credit basis. A grade of CR is required to proceed to the next level. Five hour lecture; supplemental discussion as warranted by individual student course performance.
**16 Elementary Algebra Lab ................................................................. 2 cr**
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.

**102 Survey of Mathematics ................................................................. 3 cr**
Prereq: MATH 15 or MATH 16 with a minimum grade of C/CR; or appropriate placement. Freq: Fall, Spring. Intended for students who need no further mathematics courses beyond competency. Topics selected from sets and logic, number theory, numeration systems, geometry, probability and statistics.

**111 College Algebra I ................................................................. 4 cr**
Prereq: MATH 222. Freq: Fall, Spring. Covers the fundamental notions of limits, continuity, uniform continuity, derivative, and integral. Examines infinite series with a study of convergence and uniform convergence.

**112 College Algebra II ................................................................. 4 cr**
Prereq: MATH 221 or equivalent. Freq: Fall, Spring. Functions and graphs, polynomial functions, exponential and logarithmic functions, sequences, series, induction and combinatorics. Two hours lecture; two hours discussion/problem solving.

**113 Trigonometry ................................................................. 2 cr**
Prereq: MATH 1112 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.

**114 College Algebra II with Trigonometry ................................................................. 5 cr**
Prereq: MATH 1112 with a grade of C or better; or equivalent; or appropriate placement score. Freq: Fall, Spring. Functions and graphs, polynomial and rational functions, exponential and logarithmic functions, trigonometric functions, trigonometric identities and equations, applications, sequences, series. Not open to those with credit in MATH 1102 or 1113.

**215 Mathematics for Middle Childhood Through Early Adolescence Teachers I ................................................................. 3 cr**
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.

**216 Mathematics for Middle Childhood Through Early Adolescence Teachers II ................................................................. 3 cr**
Prereq: MATH 215. Freq: Occasionally. 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. Rate of change and limits, differentiation, applications of the derivative, integration, applications of the integral and transcendental functions. Three hour lecture; two hour discussion.

**222 Calculus and Analytic Geometry II ................................................................. 5 cr**
Prereq: MATH 221 or equivalent. Freq: Fall, Spring. Methods of integration, analytic geometry, polar coordinates, hyperbolic functions, infinite series, power series, and introduction to ordinary differential equations. Three hour lecture; two hour discussion.

**223 Calculus and Analytic Geometry III ................................................................. 5 cr**
Prereq: MATH 222. Freq: Fall, Spring. Vectors and parametric equations, vector functions and their derivatives, partial and directional derivatives, multiple integrals, vector analysis, Green’s Theorem and Stokes’ Theorem. Three hour lecture; two hour discussion.

**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 223 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. 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 223. 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**

**350 Advanced Calculus ................................................................. 4 cr**
Prereq: MATH 223. 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.

**361 Foundations of Geometry ................................................................. 3 cr**
Prereq: MATH 222. Freq: Yearly. Introduction to axiomatic geometry including Euclidean, non-Euclidean, and projective geometries.

**367 Elementary Number Theory ................................................................. 4 cr**
Prereq: MATH 222. Freq: Spring. Prime numbers, fundamental theorem of arithmetic, congruence, quadratic residues and quadratic reciprocity, partitions, number theoretic functions and diophantine equations.

**368 Mathematical Modeling ................................................................. 3 cr**
Prereq: MATH 222; PHYS 241 or CSCI 130 or consent of instructor. Freq: Yearly. Survey of mathematical models, models involving -differential equations, probabilistic models, Markovian -models, simulation, and Monte Carlo methods. Cross-listed with CSCI 368.
373 History of Mathematics .................................................. 3 cr
Prereq: MATH 221 or consent of instructor. Freq: Occasionally.
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.

421 Real Analysis ................................................................. 4 cr
Prereq: MATH 350. Freq: Occasionally.
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.

422 Topics in Real Analysis .................................................. 4 cr
Prereq: MATH 421. Freq: Occasionally.
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.

423 Complex Analysis .......................................................... 4 cr
Prereq: MATH 223. Freq: Spring.
Elementary functions of a complex variable; analytic functions;
complex integrals and residue theory; conformal mapping; applications
to electrostatics and hydrodynamics.

441 Abstract Algebra ............................................................ 4 cr
Prereq: MATH 301, MATH 303; or consent of instructor. Freq: Fall.
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.

442 Topics in Abstract Algebra ................................................ 4 cr
Prereq: MATH 441. Freq: Occasionally.
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.

451 Topology ...................................................................... 4 cr
Prereq: MATH 301, MATH 303; or consent of instructor. Freq: Spring.
Introduction to the theory of topological spaces, metric spaces,
continuous functions, two-dimensional manifolds, and the concept of
the fundamental group.

461 Differential Geometry ..................................................... 3 cr
Prereq: MATH 301, 350. Freq: Occasionally.
Local theory of curves and surfaces, curvature tensors, and global
theory of surfaces.

467 Computability and Automata .......................................... 3 cr
Prereq: MATH/CSCI 331 with a grade of C or better.
Freq: Occasionally.
Turing machines, recursive functions, Kleene’s T Predicate, Ackermann’s
functions, finite automata, grammars and languages. Cross-listed as
CSCI 467.

490 Special Topics in Mathematics ....................................... 1-3 cr
Prereq: Consent of instructor. Freq: Occasionally.
Intensive treatment of various specialized areas of mathematics.

495 Senior Seminar .............................................................. 1-2 cr
Prereq: Senior standing and consent of instructor. Freq: Occasionally.
Research and presentation of selected topics from the mathematical
literature. One hour discussion.

499 Independent Study ......................................................... 1-3 cr
Prereq: Consent of instructor and department chair.
Freq: Occasionally.

Courses in Physics (PHYS)
NOTE: In addition to the prerequisites listed below, a grade of C or
better in PHYS 201 and 202 is required for entry to all 300-
and 400-level physics courses.

101 Principles of Physics ..................................................... 4 cr
Prereq: Computational Skills required or equivalent. Freq: Fall, Spring.
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.

105 College Physics I ......................................................... 5 cr
Prereq: MATH 113, 114 or equivalent. Freq: Fall.
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.

106 College Physics II ......................................................... 5 cr
Prereq: PHYS 105. Freq: Spring.
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.

110 Introduction to Astronomy ............................................. 3 cr
Prereq: None. Freq: Fall, Spring.
Astronomy for non-scientists. Largely non-mathematical. Planets,
stellar evolution, galactic systems, cosmology. Three-hour lecture.

120 Astronomy of Native America ....................................... 3 cr
Prereq: None. Freq: Fall, Spring.
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. Crosslisted with
ETHN 120. Three-hour lecture.

150 Physics of Music .......................................................... 3 cr
Prereq: None. Freq: Occasionally.
An introduction to the basic physical principles underlying music and
musical instruments. Not for credit towards the physics major.

201 General Physics I .......................................................... 5 cr
Prereq: MATH 221 with a grade of C or better; or concurrent
registration. Freq: Fall.
Mechanics, heat, and sound. For physical science and engineering
majors. Three-hour lecture; one-hour discussion; three-hour lab.

202 General Physics II ......................................................... 5 cr
Prereq: PHYS 201; MATH 222 or concurrent registration. Freq: Spring.
Electricity and magnetism, geometrical optics, and physical optics.
For physical science and engineering majors. Three-hour lecture; one-hour
discussion; three-hour lab.

205 Modern Physics ........................................................... 3 cr
Prereq: PHYS 202. Freq: Fall.
Special relativity. Elements of quantum mechanics. Introduction to
atomic, molecular, solid state, nuclear, and particle physics. Three-hour
lecture.

211 Statics ....................................................................... 3 cr
Prereq: MATH 221 with grade of C or better, concurrent registration in
MATH 222. Freq: Spring.
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.
212 Dynamics .................................................................3 cr
Prereq: MATH 222 with a grade of C or better, concurrent registration in MATH 223, PHYS 211. Freq: Fall.
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.

241 Scientific Programming .............................................3 cr
Prereq: PHYS 201 and MATH 221 or consent of instructor.
Freq: Fall (alternate years).
Programming in C, C++, fortran, PERL and symbolic or computer algebra languages with applications to scientific problem solving and simulations. Three-hour lecture/lab.

290 Special Topics in Physics ............................................1-4 cr
Prereq: Consent of instructor. Freq: Occasionally.
Special topics in physics will be examined.

301 Classical Mechanics ................................................4 cr
Prereq: PHYS 201; MATH 317, or concurrent registration or consent of instructor. Freq: Fall (alternate 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 ..........................................4 cr
Prereq: PHYS 202; MATH 317, or concurrent registration or consent of instructor. Freq: Fall (alternate years).

303 Computational Physics .............................................3 cr
Prereq: PHYS 205; MATH 223, PHYS 241, or consent of instructor.
Freq: Spring (alternate years).

306 Advanced Experiments in Physics ...............................3 cr
Prereq: PHYS 205. Freq: Spring (alternate years).
Advanced experiments in optics, atomic, molecular, solid state, and nuclear physics. Analog electronics through transistors and op-amps. Basic digital electronics. Six-hour lab.

307 Mathematical Methods of Physics ...............................3 cr
Prereq: MATH 222, PHYS 202. Freq: Fall (alternate years).
Methods of integration, series and products, combinatorics, statistics, special functions and differential equations, numerical methods and algorithms. Three-hour lecture.

403 Thermodynamics and Statistical Physics ......................4 cr
Prereq: PHYS 301 and 317 or PHYS 307 or consent of instructor.
Freq: Spring (alternate years).
An introduction to equilibrium statistical mechanics and its applications. The first half emphasis is on thermodynamics and classical statistical mechanics, microcanonical, canonical, and grand canonical ensembles, partition functions, and the Ising model. The second half is quantum statistical mechanics, Fermi and Bose gases, and critical phenomena. Four-hour lecture.

441 Quantum Physics ..................................................4 cr
Prereq: PHYS 205; MATH 301 and 317 or PHYS 307 or consent of instructor. Freq: Spring (alternate years).

490 Special Topics in Physics ............................................1-4 cr
Prereq: Consent of instructor. Freq: Occasionally.
Special topics in physics will be examined.

495 Senior Seminar ....................................................1 cr
Prereq: Junior or senior standing. Freq: Fall, Spring.
A directed study of one of the current topics in physics. Each student is required to submit a written report and present a 50-minute seminar on the subject. Students are recommended to take two consecutive semesters of 495.

497 Senior Thesis ........................................................1-2 cr
Prereq: Consent of instructor. Freq: Occasionally.
By special arrangement with instructor.

499 Independent Study ..................................................1-3 cr
Prereq: Consent of instructor and department chair. Freq: Occasionally.
By special arrangement with instructor.
College:  
Arts and Humanities

Degree and Programs Offered:  
Bachelor of Arts  
Major – Spanish  
Minors – French, 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.

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.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>FREN 218</td>
<td>French Civilization and Culture</td>
<td>3 cr</td>
</tr>
<tr>
<td>FREN 290</td>
<td>Special Topics in French</td>
<td>1-3 cr</td>
</tr>
<tr>
<td>SPAN 225</td>
<td>Contemporary Hispanic Writers in the U.S.A.</td>
<td>3 cr</td>
</tr>
<tr>
<td>SPAN 290</td>
<td>Special Topics in Spanish</td>
<td>1-3 cr</td>
</tr>
<tr>
<td>SPAN 440</td>
<td>Advanced Studies in Hispanic Literature in Translation</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

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
(33-37 credits)

ALL students entering into the 300 level of Spanish classes 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 fall 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 33 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 (18-21 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPAN 303</td>
<td>Spanish Grammar and Composition I</td>
<td>3 cr</td>
</tr>
<tr>
<td>SPAN 304</td>
<td>Spanish Grammar and Composition II</td>
<td>3 cr</td>
</tr>
<tr>
<td>SPAN 307</td>
<td>Advanced Spanish Conversation</td>
<td>3 cr</td>
</tr>
<tr>
<td>SPAN 321</td>
<td>Spanish and Spanish-American Literature to 1700</td>
<td>3 cr</td>
</tr>
<tr>
<td>SPAN 322</td>
<td>Spanish Literature Since 1700</td>
<td>3 cr</td>
</tr>
<tr>
<td>SPAN 335</td>
<td>Spanish-American Literature Since 1700</td>
<td>3 cr</td>
</tr>
<tr>
<td>SPAN 403</td>
<td>Advanced Spanish Grammar</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

B. Elective Courses (12-15 credits)

Students that place out of SPAN 307 must take 15 credits of electives.

Students that take SPAN 307 (as indicated above) only need 6 credits of electives.

Electives must include at least 3 credits (1 course) in literature.

Requirements for the Spanish Minor
(15 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 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)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPAN 303</td>
<td>Spanish Grammar and Composition I</td>
<td>3 cr</td>
</tr>
<tr>
<td>SPAN 304</td>
<td>Spanish Grammar and Composition II</td>
<td>3 cr</td>
</tr>
<tr>
<td>SPAN 307</td>
<td>Advanced Spanish Conversation</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

B. Elective Courses (6-9 credits)

Students that place out of SPAN 307 must take 9 credits of electives.

Students that take SPAN 307 (as indicated above) only need 6 credits of electives.

Electives must include at least 3 credits (1 course) in literature.

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

<table>
<thead>
<tr>
<th>Prereq: Placement exam or no prior knowledge of Spanish.</th>
<th>Freq: Fall, Spring, Summer.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Development of basic listening, speaking, reading and writing skills in Spanish.</td>
<td></td>
</tr>
</tbody>
</table>

104 Introductory Spanish II

<table>
<thead>
<tr>
<th>Prereq: SPAN 103 or equivalent or placement exam.</th>
<th>Freq: Fall, Spring, Summer.</th>
</tr>
</thead>
<tbody>
<tr>
<td>A continuation of Spanish 103.</td>
<td></td>
</tr>
</tbody>
</table>

111 Spanish for Singers

<table>
<thead>
<tr>
<th>Prereq: Enrollment in vocal music.</th>
<th>Freq: As needed.</th>
</tr>
</thead>
<tbody>
<tr>
<td>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.</td>
<td></td>
</tr>
</tbody>
</table>

203 Intermediate Spanish I

<table>
<thead>
<tr>
<th>Prereq: SPAN 104 or equivalent or placement exam.</th>
<th>Freq: Fall.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Review and further development of listening, speaking, reading and writing skills in Spanish.</td>
<td></td>
</tr>
</tbody>
</table>
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. ................................ 3 cr
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 ............................................................. 1-3 cr
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 ........................................ 3 cr
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 ....................................... 3 cr
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 ............................................. 3 cr
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 .............................................. 3 cr
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 .................................. 3 cr
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,
ocasionally in English.

321 Spanish and Spanish-American Literature to 1700 ................... 3 cr
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 .................................................... 3 cr
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 ................................. 3 cr
Prereq: SPAN 303 and 307 (or test out of 307), Freq: Spring.
Survey of Spanish-American literature since 1700.

350 Spanish Phonetics ................................................................. 3 cr
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 ................................................. 3 cr
Prereq: SPAN 304 or equivalent. Freq: Occasionally.
Analysis of questions of syntax and style; emphasis on idiomatic
Spanish.

413 Translation ................................................................. 3 cr
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 ........................................................ 3 cr
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.

416 Children's Literature ............................................................. 3 cr
Prereq: SPAN 303 and 307 (or test out of 307). Freq: Occasionally.
A study of the oral and written literature for children from the pre-
Hispanic period to the present. Highly recommended for teacher
certification candidates.

417 Spanish for Criminal Justice .................................................. 3 cr
Prereq: SPAN 303 and 307 (or test out of 307). Freq: Occasionally.
Course will focus on legal terminology and proceedings in order to help
police officers and other p ofessionals in criminal justice.

418 Medical Spanish ................................................................. 3 cr
Prereq: SPAN 303 and 307 (or test out of 307). Freq: Summer, Fall
(even years).
Introduction to and practice in conversational Spanish medical
terminology applicable to the different branches of medical care.

420 Topics in Spanish Literature and Culture ................................ 3 cr
Prereq: SPAN 322 or equivalent, or consent of instructor. Freq: Occasionally.
In-depth analysis of an aspect of the literature or culture of Spain.
Content will vary. Course may be repeated under different subtitle.

435 Topics in Latin American Literature or Culture ........................ 3 cr
Prereq: SPAN 304 or equivalent, or consent of instructor. Freq: Fall,
Spring.
In-depth analysis of an aspect of the literature or culture of Latin
America. Content will vary. Course may be repeated under different
subtitle.

440 Advanced Studies in Hispanic Literature in Translation ............ 3 cr
Prereq: Junior standing. Freq: Occasionally.
Study of representative Spanish and Latin American works in translation
from the standpoint of analytic methods: approaches to critical analysis
or problems in the theory of literature (genre theory, comparative
study of themes or styles, discussion of literary movements). May be
repeated for credit with different subject matters. May not be counted
toward Spanish major.

475 Internship ................................................................. 1-3 cr
Prereq: SPAN 304, Spanish major and consent of instructor and
department chair. Freq: Fall, Spring.
Interns work with area businesses, government agencies and service
A. May repeat for credit.

490 Special Topics in Spanish ..................................................... 1-4 cr
Prereq: None. Freq: Occasionally.
Selected topics in Spanish studies will be examined.

494 Fieldwork in Spanish ........................................................... 1-3 cr
Prereq: Consent of instructor and department chair. Freq: Occasionally.
Application of Spanish in areas of community concern and in local
business and industry. May be repeated for maximum of 6 credits.

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.
Please note that declaration of majors for French Studies has been suspended by the administration as of fall 2006. The major may resume if there is increased student interest. Please contact the department for information as to whether the suspension has been lifted. The MINOR REMAINS UNCHANGED.

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 Studies Major:

Note: New major program declarations in French Studies are currently suspended.

For entrance into the French Studies major, the student must: (1a) have a grade of at least C+ (2.33) in FREN 203 or a combined GPA of at least 2.50 in FREN 203-204 or (1b) place into FREN 301, and (2) have a 2.50 overall GPA.

Requirements for the French Studies Major (24 credits)

The French Studies major consists of a minimum of 24 credits beyond the second-year level (203-204). At least 15 credits of upper-level courses in the major must be completed at UW-Parkside. Basic standards of linguistic proficiency and content competency (cultural and literary) have been established and will include a senior project and a minimal portfolio.

A. Required Courses (12 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>FREN 301</td>
<td>French Conversation and Composition</td>
<td>3 cr</td>
</tr>
<tr>
<td>FREN 318</td>
<td>French Civilization and Culture</td>
<td>3 cr</td>
</tr>
<tr>
<td>FREN 320</td>
<td>Introduction to French Literature</td>
<td>3 cr</td>
</tr>
<tr>
<td>FREN 495</td>
<td>Senior Project</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

B. Elective Courses (12 credits)

Students who wish to emphasize study in and about French language and literature are encouraged to choose as many French program offerings as possible. Alternate courses from other departments may be chosen after consultation with the student's adviser in French. Students should also contact the French faculty about distance-learning possibilities. Students must fulfill any course prerequisites for courses in other departments:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 310</td>
<td>International Trade</td>
<td>3 cr</td>
</tr>
<tr>
<td>FREN 318</td>
<td>French Civilization and Culture*</td>
<td>3 cr</td>
</tr>
<tr>
<td>FREN 320</td>
<td>Introduction to French Literature*</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

Requirements for Admission to the French Minor:

For entrance into the French minor, the student must: (1a) have a grade of at least C+ (2.33) in FREN 203 or a combined GPA of at least 2.50 in FREN 203-204 or (1b) place into FREN 301, and (2) have a 2.50 overall GPA.

Requirements for the French Minor (12 credits)

The minor in French consists of a minimum of 12 credits beyond the second-year level (203-204).

A. Required Courses (9 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>FREN 301</td>
<td>French Conversation &amp; Composition</td>
<td>3 cr</td>
</tr>
<tr>
<td>FREN 318</td>
<td>French Civilization and Culture</td>
<td>3 cr</td>
</tr>
<tr>
<td>FREN 320</td>
<td>Introduction to French Literature</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

B. Elective Course (3 credits)

One FREN elective course...

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

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

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 ......................................................... 4 cr
   Prereq: FREN 104 or equivalent or placement exam. Freq: Fall.
   Review and further development of listening, speaking, reading, and writing skills in French.

204 Intermediate French II ........................................................ 4 cr
   Prereq: FREN 203 or equivalent or placement exam. Freq: Spring.
   A continuation of FREN 203.

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.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites</th>
<th>Frequency</th>
<th>Course Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>103</td>
<td>Introductory Italian I</td>
<td>4 cr</td>
<td>None. Freq. Fall</td>
<td></td>
<td>Development of basic listening, speaking, reading and writing skills in Italian.</td>
</tr>
<tr>
<td>104</td>
<td>Introductory Italian II</td>
<td>4 cr</td>
<td>ITAL 103 or equivalent. Freq. Spring</td>
<td></td>
<td>Continued development of basic listening, speaking, reading and writing skills in Italian.</td>
</tr>
<tr>
<td>203</td>
<td>Intermediate Italian I</td>
<td>4 cr</td>
<td>ITAL 104 or equivalent. Freq. Occasionally</td>
<td></td>
<td>Develops intermediate level proficiency in listening, speaking, reading and writing skills.</td>
</tr>
<tr>
<td>204</td>
<td>Intermediate Italian II</td>
<td>4 cr</td>
<td>ITAL 203 or equivalent. Freq. Occasionally</td>
<td></td>
<td>Continues development of intermediate level proficiency in listening, speaking, reading and writing skills.</td>
</tr>
<tr>
<td>103</td>
<td>Modern Languages I</td>
<td>4 cr</td>
<td>None. Freq. Occasionally</td>
<td></td>
<td>Semester I of a modern language other than those regularly offered in the Modern Languages Department. May be repeated with different language content.</td>
</tr>
<tr>
<td>104</td>
<td>Modern Languages II</td>
<td>4 cr</td>
<td>MODL 103 or equivalent. Freq. Occasionally</td>
<td></td>
<td>Semester II of a modern language other than those regularly offered in the Modern Languages Department. May be repeated with different language content.</td>
</tr>
<tr>
<td>203</td>
<td>Intermediate Modern Languages I</td>
<td>4 cr</td>
<td>MODL 104 in the same language or equivalent.</td>
<td></td>
<td>Continued training in listening, speaking, reading and writing skills through conversation, composition and grammar review.</td>
</tr>
<tr>
<td>204</td>
<td>Intermediate Modern Languages II</td>
<td>4 cr</td>
<td>MODL 203 in the same language or equivalent.</td>
<td></td>
<td>Continued training in listening, speaking, reading and writing skills through conversation, composition and grammar review.</td>
</tr>
<tr>
<td>247</td>
<td>Survey of Modern World Literature</td>
<td>3 cr</td>
<td>ENGL 101 with a grade of C- or better or consent of instructor. Freq. Occasionally. Broad survey of several national and regional literatures including non-Western literatures, since the Renaissance, exclusive of those of England and the United States. Cross-listed with ENGL 247.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>499</td>
<td>Independent Study</td>
<td>1-3 cr</td>
<td>Junior standing, consent of instructor and department chair. Freq. Occasionally. Available to qualified students under supervision of individual instructor.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**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**
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**
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**
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**
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.

**247 Survey of Modern World Literature**
Prereq: ENGL 101 with a grade of C- or better or consent of instructor. Freq: Occasionally. Broad survey of several national and regional literatures including non-Western literatures, since the Renaissance, exclusive of those of England and the United States. Cross-listed with ENGL 247.

**499 Independent Study**
Prereq: Junior standing, consent of instructor and department chair. Freq: Occasionally. Available to qualified students under supervision of individual instructor.
MUSEUM STUDIES

UW-PARKSIDE 2015-17 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 fields 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 Museum Studies

Certificate (16 credits)

Content Courses (9 credits; at least 3 credits from each of the three disciplines represented below)

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 125</td>
<td>Survey of World Art</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 126</td>
<td>Modern and Contemporary Art:</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td>1900 to the Present</td>
<td></td>
</tr>
<tr>
<td>ART/</td>
<td>Anthropology of Non-Western Art</td>
<td>3 cr</td>
</tr>
<tr>
<td>SOCA 315</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HIST 102</td>
<td>The United States, Reconstruction to</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td>Recent Times</td>
<td></td>
</tr>
<tr>
<td>HIST 335</td>
<td>Native American History</td>
<td>3 cr</td>
</tr>
<tr>
<td>HIST 337</td>
<td>African-American History</td>
<td>3 cr</td>
</tr>
<tr>
<td>HIST 345</td>
<td>America in Power and Peril</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td>1917-1953</td>
<td></td>
</tr>
<tr>
<td>HIST 346</td>
<td>Recent America, 1953-Present</td>
<td>3 cr</td>
</tr>
<tr>
<td>SOCA 202</td>
<td>Cultural Anthropology</td>
<td>3 cr</td>
</tr>
<tr>
<td>SOCA 204</td>
<td>Human Evolution</td>
<td>3 cr</td>
</tr>
<tr>
<td>SOCA 208</td>
<td>Introduction to Archaeology</td>
<td>3 cr</td>
</tr>
<tr>
<td>SOCA 226</td>
<td>Peoples of Africa</td>
<td>3 cr</td>
</tr>
<tr>
<td>SOCA 227</td>
<td>North American Indians</td>
<td>3 cr</td>
</tr>
<tr>
<td>SOCA 228</td>
<td>Peoples of Southeast Asia</td>
<td>3 cr</td>
</tr>
<tr>
<td>SOCA 327</td>
<td>Archaeology of North America</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

Methods Course (2 credits)

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSST 300</td>
<td>Museum Studies</td>
<td>2 cr</td>
</tr>
</tbody>
</table>

Museum Management Course (2 credits)

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSST 305</td>
<td>Introduction to Museum Management</td>
<td>2 cr</td>
</tr>
</tbody>
</table>

Internship (3 credits up to 10 credits)

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 494</td>
<td>Art Internship (focusing on museum internship)</td>
<td>3 cr</td>
</tr>
<tr>
<td>HIST 494</td>
<td>Internship in History (focusing on museum internship)</td>
<td>3 cr</td>
</tr>
<tr>
<td>SOCA 491</td>
<td>Anthropology Fieldwork (focusing on museum internship)</td>
<td>3 cr</td>
</tr>
<tr>
<td>SOCA 492</td>
<td>Internship in Sociology/Anthropology</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

Courses in the Certificate for Museum Studies (MSST)

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>300</td>
<td>Museum Studies</td>
<td>2 cr</td>
</tr>
<tr>
<td></td>
<td>Prereq: Sophomore standing or consent of instructor.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Freq: Occasionally</td>
<td></td>
</tr>
<tr>
<td></td>
<td>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.</td>
<td></td>
</tr>
</tbody>
</table>

| 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>6 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>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 *</td>
<td>12 cr</td>
</tr>
<tr>
<td>MUSP 102</td>
<td>Large Music Ensemble</td>
<td>8 cr</td>
</tr>
</tbody>
</table>

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 2 credits for majors. 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. Course numbers that begin with a zero are 1-credit courses at the preparatory level. Freshman, sophomore, junior, and senior levels are 2-credit courses 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.

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.
2. Required courses by primary instrument (6-8 credits)

Choose one option based on primary instrument:

1. **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

2. **Required courses primary instrument is an orchestral instrument, band instrument, or classical guitar (6 credits)**
   - MUSP 361-366  Chamber Music: Ensemble (4 semesters, 1 credit each) ...4 cr

Choose one elective course:
- MUSP 345  Instrumental Conducting ..................................2 cr
- MUSI 350  Music Business .............................................2 cr
- MUSI 499  Independent Study ...........................................2 cr

3. **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 the music performance concentration on completion of the applied music sophomore level.

### Required Courses (24 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUSI 346</td>
<td>Jazz History</td>
<td>3 cr</td>
</tr>
<tr>
<td>MUSP 223</td>
<td>Fundamentals of Improvisation</td>
<td>1 cr</td>
</tr>
<tr>
<td>MUSP 224</td>
<td>Jazz Improvisation I</td>
<td>1 cr</td>
</tr>
<tr>
<td>MUSP 323</td>
<td>Jazz Improvisation II</td>
<td>1 cr</td>
</tr>
<tr>
<td>MUSP 324</td>
<td>Jazz Improvisation III</td>
<td>2 cr</td>
</tr>
<tr>
<td>MUSP 253</td>
<td>Jazz Piano</td>
<td>1 cr</td>
</tr>
<tr>
<td>MUSP 342</td>
<td>Conducting</td>
<td>2 cr</td>
</tr>
<tr>
<td>MUSI 350</td>
<td>Music Business</td>
<td>2 cr</td>
</tr>
<tr>
<td>MUSI 447</td>
<td>Jazz Styles</td>
<td>2 cr</td>
</tr>
<tr>
<td>MUSI 425</td>
<td>Jazz Arranging</td>
<td>2 cr</td>
</tr>
<tr>
<td>MUSA</td>
<td>Applied Music at the 400 level</td>
<td></td>
</tr>
<tr>
<td></td>
<td>(2 semesters, 2 credits each)</td>
<td>4 cr</td>
</tr>
<tr>
<td>MUSA 300</td>
<td>Junior Recital</td>
<td>1 cr</td>
</tr>
<tr>
<td>MUSA 400</td>
<td>Senior Recital</td>
<td>2 cr</td>
</tr>
</tbody>
</table>

3. **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.

1. **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 377  Vocal Pedagogy ..................................1 cr
   - MUSI 378  Diction I: English and Italian ..................2 cr
   - MUSI 379  Diction II: French and German ...................2 cr
   - MUSI 420  Analytic Techniques .............................2 cr

2. **Required Choral and General Music Courses (29 credits)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUSP 456</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>MUSI 420</td>
<td>Analytic Techniques .....................................</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>
b. Music Education: Instrumental and General Music (55 credits)

In addition to the music core requirements, the following courses are required.

1. 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>

2. Required Instrumental and General Music Courses (29 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUSP 345</td>
<td>Instrumental Conducting</td>
<td>2 cr</td>
</tr>
<tr>
<td>MUSI 423</td>
<td>Orchestration and Arranging ..2 cr</td>
<td></td>
</tr>
<tr>
<td>MUSP 271</td>
<td>Instrumental Techniques and Pedagogy: Brass</td>
<td>1 cr</td>
</tr>
<tr>
<td>MUSP 273</td>
<td>Instrumental Techniques and Pedagogy: Percussion ...1 cr</td>
<td></td>
</tr>
<tr>
<td>MUSP 274</td>
<td>Instrumental Techniques and Pedagogy: Strings</td>
<td>1 cr</td>
</tr>
<tr>
<td>MUSP 275</td>
<td>Instrumental Techniques and Pedagogy: Woodwinds ...1 cr</td>
<td></td>
</tr>
<tr>
<td>MUSP 276</td>
<td>Instrumental Techniques and Pedagogy: Guitar</td>
<td>1 cr</td>
</tr>
<tr>
<td>MUSP 277</td>
<td>Vocal Techniques</td>
<td>1 cr</td>
</tr>
<tr>
<td>MUSA</td>
<td>Secondary Applied Instrument at 100 Level</td>
<td></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 302</td>
<td>Music in Childhood</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 414</td>
<td>Methods of Elementary and Middle School Instrumental Music</td>
<td>3 cr</td>
</tr>
<tr>
<td>MUSE 416</td>
<td>Methods of Teaching Secondary Instrumental Music</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

3. 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>

4. 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.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUSI 420</td>
<td>Analytic Techniques</td>
<td>2 cr</td>
</tr>
<tr>
<td>MUSI 375</td>
<td>Piano Pedagogy</td>
<td>2 cr</td>
</tr>
<tr>
<td>MUSI 376</td>
<td>Advanced Piano Pedagogy</td>
<td>2 cr</td>
</tr>
<tr>
<td>MUSI 479</td>
<td>Piano Teaching Practicum (2 semesters, 1 credits each)</td>
<td>2 cr</td>
</tr>
<tr>
<td>MUSI 480</td>
<td>Seminar in Piano Literature and Performance Practice</td>
<td>8 cr</td>
</tr>
</tbody>
</table>

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.

5. 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 courses not in Music Core:
MUSI or MUSE Music Electives                                    6 cr

b. Upper Division Non-Music Courses (6 credits)

Choose courses outside the Music Department:
Electives                                                      6 cr

C. 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)

<table>
<thead>
<tr>
<th>Course</th>
<th>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 104</td>
<td>Music Appreciation</td>
<td>3 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 135</td>
<td>Aural Music Theory I</td>
<td>1 cr</td>
</tr>
<tr>
<td>MUSI 136</td>
<td>Aural Music Theory II</td>
<td>1 cr</td>
</tr>
<tr>
<td>MUSI 150</td>
<td>Class Piano I</td>
<td>2 cr</td>
</tr>
<tr>
<td>MUSI 151</td>
<td>Class Piano II</td>
<td>2 cr</td>
</tr>
<tr>
<td>MUSI 242</td>
<td>Music Literature Lab</td>
<td>1 cr</td>
</tr>
<tr>
<td>MUSA 104</td>
<td>Major Applied Instrument 100 Level</td>
<td>2 cr</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<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>
</tbody>
</table>

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)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUSA 110/111</td>
<td>Applied Piano</td>
<td>4 cr</td>
</tr>
<tr>
<td>MUSI 375</td>
<td>Piano Pedagogy</td>
<td>2 cr</td>
</tr>
<tr>
<td>MUSI 376</td>
<td>Advanced Piano Pedagogy</td>
<td>2 cr</td>
</tr>
<tr>
<td>MUSI 479</td>
<td>Piano Teaching Practicum</td>
<td>2 cr</td>
</tr>
<tr>
<td>MUSI 480</td>
<td>Seminar in Piano Literature and Performance Practice</td>
<td>8 cr</td>
</tr>
</tbody>
</table>

Courses in Music (MUSI)

100 Appreciation of World Music.........................................................3 cr
   Prereq: None. Freq: Fall, Spring.
   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.
   Designed to acquaint 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.
   A guide to 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.

121 Music Theory II.........................................................................2 cr
   Prereq: MUSI 120 with a grade of C or better, concurrent registration in MUSP 136. Freq: Spring.
   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.

221 Music Theory III........................................................................2 cr
   Prereq: MUSI 121 with a grade of C or better, concurrent registration in MUSP 136. Freq: Fall.
   Studies in diatonic seventh chords, chromaticism, secondary functions, modulatory techniques, and binary and ternary forms. Includes projects in analysis and composition.

242 Music Literature Lab.................................................................1 cr
   Prereq: Music major or minor, concurrent registration in MUSI 104; or consent of instructor. Freq: Fall.
   Develops the listening and writing skills of student musicians through aural analysis of musical works from different styles and periods of western music history.

290 Special Topics in Music............................................................1-4 cr
   Prereq: None. Freq: Occasionally.
   Selected topics in music will be examined.

321 Music Theory IV.........................................................................2 cr
   Prereq: MUSI 221 with a grade of C or better, concurrent registration in MUSP 336. Freq: Spring.
   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.
330 Music History I: 450-1750 .................................................. 2 cr
Prereq: MUSI 242 with a grade of C or better. Freq: Fall.
Surveys Western music from medieval to the early 18th century. Studies evolutionary style changes both within music and in relation to evolving civilization.

331 Music History II: 1750-20th Century ............................... 2 cr
Prereq: MUSI 330 with a grade of C or better. Freq: Spring.
Studies of the stylistic evolution of music from the 18th century through the present. Research paper required.

332 World of Music ............................................................... 2 cr
Prereq: MUSI 104 or consent of instructor; Freq: Fall.
Broad survey of music and its place in human cultures around the world. Students will consider traditional, popular, and classical musics from a number of regions using an ethnomusicalogical perspective, highlighting similarities and differences in relation to other domains of cross-cultural social life.

333 Opera Literature ............................................................ 3 cr
Prereq: MUSI 104 or consent of instructor; Freq: Occasionally.
The study of elements of opera and their function, including analysis of selected operatic examples.

335 Music Literature Topic .................................................... 2 cr
Prereq: MUS 242, or consent of instructor; Freq: Occasionally.
Study of music literature, musical styles and forms. May be repeated for credit with different topic.

336 African American Music ............................................... 3 cr
Prereq: None. Freq: Summer.
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.

338 Music of the Great Migration 1900-1960 .......................... 3 cr
Prereq: None. Freq: Occasionally.
Survey and study of African American music, ca. 1900-1960, related to the Great Migration and its next generation. Attention given historical, sociological, political, and humanistic contexts. Cross-listed with ETHN 338.

Prereq: None. Freq: Occasionally.

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 (even years).
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, neoclassicism, atonality, serialism, 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: MUS 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 12 cr.

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 MUSI 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.

250 Class Piano III for Music Education ..................................... 2 cr
   Prereq: MUSI 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.
### Courses in Music Education (MUSE)

#### 203 Introduction to Music Technology
- **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
- **Prereq:** Music major or minor; or consent of instructor. **Freq:** Spring (even years).
- Examines the foundations of music pedagogy, including historical and philosophical foundations and curricular approaches used in music teaching and learning. Includes field-based observational experiences in diverse classroom and community music settings.

#### 302 Music in Childhood
- **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
- **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
- **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, concurrent enrollment in MUSE 412; or consent of
the instructor. Freq: Spring (odd years).
Focuses on developing the knowledge, performances, and
dispositions required in choral music education programs. Topics
include administration, curriculum development, literature selection,
instructional planning, and teaching strategies.

412 Early Clinical Experience: Choral/General .................................... 1 cr
Prereq: Concurrent enrollment in MUSE 411 or 413; or consent of the
instructor. Freq: Spring.
Students participate in 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 and concurrent enrollment in MUSE 412, or
consent of the instructor. Freq: Spring (even 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, concurrent enrollment in MUSE 415; or consent of
the instructor. Freq: Spring (odd years).
Prepares students to plan, organize, administer, and teach instrumental
music. 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.

415 Early Clinical Experience: Winds, Strings and Percussion .......... 1 cr
Prereq: MUSI 321, concurrent enrollment in MUSE 413 or 414; or
consent of the instructor. Freq: Spring.
Prepares students to plan, organize, administer, and teach instrumental
music. 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, concurrent enrollment in MUSE 415; or consent of
the instructor. Freq: Spring (even years).
Prepares students to plan, organize, administer, and teach instrumental
music in the secondary school music program. Students observe and teach in a laboratory ensemble. 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 2018). 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)

010-084
(Applied Instruction - Preparatory).................................................. 1 cr
Prereq: Consent of advisor. 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. Additional requirements may apply (see “Applied Music Courses
MUSA” at the beginning of the music section in the University Catalog
in the Music Department Chapter for further information).

110-185
(Applied Instruction – Major take for 2 cr; Minor or
Secondary take for 1 cr).................................................................... 1-2 cr
Prereq: Consent of advisor. 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. Additional requirements may apply (see “Applied Music Courses
MUSA” at the beginning of the music section in the University Catalog
in the Music Department Chapter for further information).

210-285
(Applied Instruction – Major)........................................................... 2 cr
Prereq: Consent of advisor. 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. Additional requirements may apply (see “Applied Music Courses
MUSA” at the beginning of the music section in the University Catalog
in the Music Department Chapter for further information).

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)........................................................... 2 cr
Prereq: Consent of advisor. 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. Additional requirements may apply (see “Applied Music Courses
MUSA” at the beginning of the music section in the University Catalog
in the Music Department Chapter for further information).

400 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.

410-485
(Applied Instruction – Major)........................................................... 2 cr
Prereq: Consent of advisor. 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. Additional requirements may apply (see “Applied Music Courses
MUSA” at the beginning of the music section in the University Catalog
in the Music Department Chapter for further information).
## Applied Instruction List of Courses

<table>
<thead>
<tr>
<th>Instrument</th>
<th>Courses</th>
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<tbody>
<tr>
<td>Piano: MUSA</td>
<td>010, 110, 111, 210, 211, 310, 311, 410, 411</td>
</tr>
<tr>
<td>Organ: MUSA</td>
<td>012, 112, 113, 212, 213, 312, 313, 412, 413</td>
</tr>
<tr>
<td>Trumpet: MUSA</td>
<td>020, 120, 121, 220, 221, 320, 321, 420, 421</td>
</tr>
<tr>
<td>Horn: MUSA</td>
<td>022, 122, 123, 222, 223, 322, 323, 422, 423</td>
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<tr>
<td>Trombone: MUSA</td>
<td>024, 124, 125, 224, 225, 324, 325, 424, 425</td>
</tr>
<tr>
<td>Baritone: MUSA</td>
<td>026, 126, 127, 226, 227, 326, 327, 426, 427</td>
</tr>
<tr>
<td>Tuba: MUSA</td>
<td>028, 128, 129, 228, 229, 328, 329, 428, 429</td>
</tr>
<tr>
<td>Violin: MUSA</td>
<td>040, 140, 141, 240, 241, 340, 341, 440, 441</td>
</tr>
<tr>
<td>Viola: MUSA</td>
<td>042, 142, 143, 242, 243, 342, 343, 442, 443</td>
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<td>Cello: MUSA</td>
<td>044, 144, 145, 244, 245, 344, 345, 444, 445</td>
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<tr>
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<td>046, 146, 147, 246, 247, 346, 347, 446, 447</td>
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<td>Classical Guitar:</td>
<td>MUSA 048, 148, 149, 248, 249, 348, 349, 448, 449</td>
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<td>050, 150, 151, 250, 251, 350, 351, 450, 451</td>
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<td>Saxophone: MUSA</td>
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<td>084, 184, 185, 284, 285, 384, 385, 484, 485</td>
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</tbody>
</table>
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

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:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 115</td>
<td>Chemical Science</td>
<td>4 cr</td>
</tr>
<tr>
<td>CHEM 215</td>
<td>Organic and Biochemistry</td>
<td>4 cr</td>
</tr>
<tr>
<td>SOCA</td>
<td>Sociology Course (Any)</td>
<td>3 cr</td>
</tr>
<tr>
<td>ENGL 201</td>
<td>Advanced Composition</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>
Following a review of the student's record and the An interview with the student making application may be
A letter of recommendation is required if an applicant has
Meet application deadlines.
A statement written by the applicant.
In addition to the satisfactory completion of courses listed in
Achieve a minimum grade point average of 2.0 (C) in each of the required
Achieve a minimum science grade point average of 2.50
Achieve a minimum grade point average of 2.75 on a 4.0

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 programs include those offered by the American Heart Association and the Red Cross. Local community groups offer programs sponsored by these agencies.
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. 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 Consortium 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 Consortium 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 Consortium Nursing Office. For additional information please refer to the College of Nursing Student Handbook which is available in the Consortium Nursing Office (allent 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.

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).

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 cr</td>
</tr>
<tr>
<td>SOCA</td>
<td>Sociology Course (Any)</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 210</td>
<td>Introduction to Human Development</td>
<td>3 cr</td>
</tr>
<tr>
<td>CHEM 115</td>
<td>Chemical Science</td>
<td>4 cr</td>
</tr>
<tr>
<td>CHEM 215</td>
<td>Organic and Biochemistry</td>
<td>4 cr</td>
</tr>
<tr>
<td>BIOS 105</td>
<td>Human Physiology &amp; Anatomy I</td>
<td>5 cr</td>
</tr>
<tr>
<td>BIOS 106</td>
<td>Human Physiology &amp; Anatomy II</td>
<td>5 cr</td>
</tr>
<tr>
<td>BIOS 190</td>
<td>Fundamentals of Human Nutrition</td>
<td>2 cr</td>
</tr>
<tr>
<td>BIOS 202</td>
<td>General Microbiology</td>
<td>4 cr</td>
</tr>
<tr>
<td>NURS 101</td>
<td>Cultural Diversity in Health Care</td>
<td>3 cr</td>
</tr>
<tr>
<td>NURS 102</td>
<td>Perspectives on Health Care Systems</td>
<td>2 cr</td>
</tr>
<tr>
<td>NURS 251</td>
<td>Genetics and Genomics in Healthcare</td>
<td>2 cr</td>
</tr>
</tbody>
</table>

* See nursing adviser for list.

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>
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</thead>
<tbody>
<tr>
<td>NURS 351</td>
<td>Professional Role I: Foundations of Professional Practice</td>
<td>3 cr</td>
</tr>
<tr>
<td>NURS 352</td>
<td>Health &amp; Illness Concepts I: Introduction</td>
<td>3 cr</td>
</tr>
<tr>
<td>NURS 353</td>
<td>Clinical Practicum I: Foundations</td>
<td>3 cr</td>
</tr>
<tr>
<td>NURS 398</td>
<td>Health Assessment and Promotion in Nursing Practice</td>
<td>3 cr</td>
</tr>
<tr>
<td>NURS 399</td>
<td>Concepts of Pathophysiology &amp; Pharmacotherapeutics I</td>
<td>4 cr</td>
</tr>
<tr>
<td>NURS 400</td>
<td>Concepts of Pathophysiology &amp; Pharmacotherapeutics II</td>
<td>4 cr</td>
</tr>
<tr>
<td>NURS 419</td>
<td>Concepts of Evidence-based Nursing Practice</td>
<td>3 cr</td>
</tr>
<tr>
<td>NURS 420</td>
<td>Professional Role II: Provider of Care</td>
<td>3 cr</td>
</tr>
<tr>
<td>NURS 421</td>
<td>Health &amp; Illness Concepts II: Acute and Chronic Conditions</td>
<td>3 cr</td>
</tr>
<tr>
<td>NURS 422</td>
<td>Clinical Practicum II: Acute &amp; Chronic Conditions</td>
<td>3 cr</td>
</tr>
<tr>
<td>NURS 430</td>
<td>Professional Role III: Interprofessional Practice</td>
<td>3 cr</td>
</tr>
<tr>
<td>NURS 431</td>
<td>Health &amp; Illness Concepts III: Lifespan</td>
<td>3 cr</td>
</tr>
<tr>
<td>NURS 432</td>
<td>Health &amp; Illness IV: Population Health</td>
<td>3 cr</td>
</tr>
<tr>
<td>NURS 433</td>
<td>Clinical Practicum III: Population Health</td>
<td>4 cr</td>
</tr>
<tr>
<td>NURS 434</td>
<td>Nursing Informatics &amp; Technology</td>
<td>3 cr</td>
</tr>
<tr>
<td>NURS 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 Certified Background check.

Courses in the Consortial Nursing Program (NURS)

101 Cultural Diversity in Health Care .......................... 3 cr

Prereq: None. Freq: Fall.

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.

102 Perspectives on Health Care Systems ..................... 2 cr

Prereq: None. Freq: Spring.

Provides students with orientation to the complexity of health care, health-care delivery systems and the populations served.

251 Genetics and Genomics in Healthcare ........................ 2 cr

Prereq: None. Freq: Spring.

This course emphasizes the relationship between the underlying science (genetics), the study of genomes (genomics) and the social, ethical and legal issues (genethics) in healthcare.

351 Professional Role I: Foundations of Professional Practice .................................................. 3 cr

Prereq: Admission to nursing major; Freq: Fall.

Exploration of selected foundational concepts and principles essential to the professional nursing role.
352 Health and Illness Concepts I: Introduction
Prereq: Admission to nursing major. Freq: Fall.
Introduction of selected foundational health and illness concepts essential to nursing practice.

353 Clinical Practicum I: Foundations
Prereq: Admission to nursing major. Freq: Fall.
This clinical practicum course introduces students to the application of foundational knowledge, skills, and attitudes in the provision of nursing care.

398 Health Assessment and Promotion in Nursing Practice
Prereq: Admission to nursing major. Freq: Fall.
Application of nursing concepts and skills to promote health and comprehensively assess the health status of individuals using a nursing framework.

399 Concepts of Pathophysiology and Pharmacotherapeutics I
Prereq: Admission to nursing major. Freq: Fall.
Pathophysiology and pharmacology concepts for nursing across the lifespan

400 Concepts of Pathophysiology and Pharmacotherapeutics II
Prereq: NURS 399. Freq: Spring.
Pathophysiology and pharmacology concepts for nursing across the lifespan

419 Concepts of Evidence-based Nursing Practice
Prereq: NURS 352. Freq: Spring.
Introduction to and integration of concepts relevant to evidence-based nursing practice

420 Professional Role II: Provider of Care
Prereq: NURS 351. Freq: Spring.
Examination of selected concepts and principles essential to the provision of patient care.

421 Health and Illness Concepts II: Acute and Chronic Conditions
Prereq: NURS 352. Freq: Spring.
This course focuses on nursing care of individuals and families experiencing acute and chronic health conditions using a holistic approach.

422 Clinical Practicum II: Acute and Chronic Conditions
Prereq: NURS 353. Freq: Spring.
This clinical practicum course focuses on providing nursing care for individuals and families with acute and chronic conditions.

430 Professional Role III: Interprofessional Practice
Prereq: NURS 420. Freq: Fall.
Analysis of the factors that contribute to collaboration within and among teams.

431 Health and Illness Concepts III: Lifespan
Prereq: NURS 420. Freq: Fall.
This course involves the integration of selected concepts in the care of individuals and families across the lifespan

432 Health and Illness Concepts IV: Population Health
Prereq: NURS 421. Freq: Fall.
This course focuses on nursing care to promote the health of populations and communities.

433 Clinical Practicum III: Population Health
Prereq: NURS 422. Freq: Fall.
This clinical practicum course focuses on applying concepts and providing population based nursing care to aggregates.

434 Nursing Informatics and Technology
Prereq: Progression in nursing major. Freq: Fall.
Basic concepts of informatics are introduced with focus on application to clinical practice to improve safety and quality of care.

476 Professional Role IV: Leading in Complex Systems
Prereq: NURS 430, progression in nursing major. Freq: Spring.
Synthesis of knowledge, skills, and attitudes for leading in complex healthcare environments.

477 Health and Illness Concepts V: Complex
Prereq: NURS 431, 432. Freq: Spring.
Application of selected concepts to individuals/families with complex health and illness needs.

478 Clinical Practicum IV: Clinical Intensive
Prereq: NURS 431, 432 and concurrent 477. Freq: Spring.
This practicum course focuses on providing nursing care to individuals, groups, and families experiencing complex health care problems and life events throughout the lifespan.

479 Clinical Practicum V: Capstone
Prereq: NURS 478 and progression in nursing major. Freq: Spring.
This capstone clinical practicum course focuses on care delivery, care coordination, leadership, and transition to practice.

480 Transition to Professional Practice
Prereq: NURS 478, 479 and progression in nursing major. Freq: Spring.
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.
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 - Ethic

Professional Accreditations or Memberships:
American Political Science Association; American Philosophical Association, Philosophy of Science Association

Student Organizations/Clubs:
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 civically-oriented consciousness, a respect for diversity, pluralism and inclusiveness, and a moral and ethical sense of responsibility and moral disposition regarding their place in local, state, national, and international communities.

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 3 courses:
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
POLS 202 Public Policy................................3 cr

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 one course from each of the three groups below:
American Politics: POLS 116, 214, 215, 360, 375, 385, 395
World Politics: POLS 224, 304, 330, 331, 332, 334, 335, 340, 341, 350
Note: Students may count POLS 304, 332, 334, and 350 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 and independent study 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:

1. 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.)

2. Choose 3 courses:
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
POLS 202 Public Policy................................3 cr

3. Choose one course from each of the three groups below:
American Politics: POLS 116, 214, 215, 360, 375, 385, 395
World Politics: POLS 224, 304, 330, 331, 332, 334, 335, 340, 341, 350

4. Students may count POLS 304, 332, 334, and 350 for world politics or political theory, not for both.

5. The political science internship and independent study 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.

6. Choose at least three additional courses numbered 300 or above:

7. 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.

8. Students may count POLS 304, 332, 334, and 350 for world politics or political theory, not for both.

9. The political science internship and independent study 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.

10. Students may count POLS 304, 332, 334, and 350 for world politics or political theory, not for both.
A. Required Courses (21-22 credits)

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<thead>
<tr>
<th>Code</th>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>POLS 100</td>
<td>American Politics</td>
<td>3 cr</td>
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<tr>
<td>POLS 200</td>
<td>Research Methods and Sources</td>
<td>4 cr</td>
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<tr>
<td>OR</td>
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<tr>
<td>PHIL 275</td>
<td>Techniques of Philosophical Research</td>
<td>3 cr</td>
</tr>
<tr>
<td>POLS 116</td>
<td>Introduction to Law</td>
<td>3 cr</td>
</tr>
<tr>
<td>POLS 209</td>
<td>Legal Research and Writing</td>
<td>3 cr</td>
</tr>
<tr>
<td>POLS 310</td>
<td>Constitutional Law: Civil Liberties</td>
<td>3 cr</td>
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<tr>
<td>POLS 444</td>
<td>Mock Trial Travel Team</td>
<td>3 cr</td>
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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 in POLS):

- BUS 372 Business Law 3 cr
- COMM 485 Practicum in Conflict Intervention 3 cr
- CRMJ 325 Restorative Justice 3 cr
- CRMJ 380 Criminal Law 3 cr
- HESM 300 Legal Issues in Sport and Fitness Management 3 cr
- HESM 310 Sport Industry Regulation 3 cr
- PHIL 350 Philosophy of Law 3 cr
- POLS 302 Environmental Policy 3 cr
- POLS 316 Diversity Law: African Americans 3 cr
- POLS 400 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)

<table>
<thead>
<tr>
<th>Code</th>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLS 116</td>
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<td>3 cr</td>
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<td>OR</td>
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</table>

B. Elective POLS Courses (6 credits)

Choose two courses from the list:

- POLS: POLS 221, 310, 316, 320, 415, 444, 490 (with permission of legal studies adviser)

C. Elective Course (3 credits)

Choose one course from the list:

- BUS 372, 381; CRMJ 316, 325, PHIL 350; SOCA 359.

Requirements for the Political Science for Teachers Minor (15-16 credits)

A. Required Courses (3 credits)

- POLS 100 American Politics 3 cr

B. Choose One Course (3 credits)

- POLS 103 Introduction to Comparative Politics 3 cr
- POLS 104 Introduction to International Relations 3 cr
- POLS 224 American Foreign Policy 3 cr

C. Choose One Methods Course (3-4 credits)

- 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

D. Choose One Constitutional Law Course (3 credits)

- POLS 310 Constitutional Law: Civil Liberties 3 cr

E. Elective Course (3 credits)

Choose one 300 or 400 level POLS course.

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 Course (6 credits)

Choose any relevant public policy POLS 490 special topics course (for 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 introductory courses at the 100 level (6 credits)
B. Choose one course at the 200 level (3 credits)
C. Choose three courses at the 300 level (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
   OR
   POLS 350 Theories of Comparative Politics .............3 cr
B. World Politics Elective Courses (9 credits)
   Choose three courses from list:
   POLS 224, 304, 330, 331, 332, 334, 335, 340, 341, 350, 415.

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 350 Philosophy of Law..............................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 assitional 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 courses at the 300 or 400 level (9 credits)
B. Choose two courses in philosophy at 200 level or above (6 credits)
C. Choose one course in philosophy 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 3 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 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.

Courses in Political Science (POLS)
100 American Politics .........................................3 cr
   Prereq: None. Freq: Fall, Spring, Summer.
   The institutions, processes and dynamics of the American governmental system. Special emphasis is placed on 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 ...............................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 WGSS 203.

207 Classical Political Philosophy .............................3 cr
   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.

209 Legal Research and Writing ...............................3 cr
   Prereq: POLS 100. Freq: Yearly.
   Analysis of the legal case reporting systems, access to legal journals, statutory law reporting, research on the web, and other research tools. The basics of writing legal briefs, documents, and research papers will be covered.

214 Legislative Politics ........................................3 cr
   Prereq: POLS 100. Freq: Occasionally.
   Analysis of the nature of congressional behavior, the legislative process, and the structure of Congress, and problems of congressional reform. Case studies included.

Complete information about the Teacher Education Program can be found on the IPED website at: http://www.uwp.edu/learn/departments/educatordevelopment/index.cfm
215 The Presidency.................................................................3 cr
Prereq: POLS 100. Freq: Occasionally.
The office of the president of the United States as an institution and as shaped by its incumbent. The president's political, statesman, social, and ceremonial roles. Comparative material included where relevant.

221 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 PHIL 220.

224 American Foreign Policy..............................................3 cr
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...................3 cr
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...............................3 cr
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................................................3 cr
Prereq: POLS 100 or ENVNS minor. Freq: Occasionally.
A survey of 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.........................................3 cr
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..............................3 cr
Contemporary theories of international relations, with selected applications to current issues or relationships in international politics. Emphasis on critical theories in the evaluation and comparison of various theoretical approaches. Cross-listed with PHIL 304.

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 PHIL 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 PHIL 307.

310 Constitutional Law: Civil Liberties................................3 cr
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. Topics may include 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.

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: Spring.
Political culture, political institutions, and public choices of European democratic states. Special focus as well 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 Deluzé, Hardt and Negri, and others. Cross-listed with INTS 334.

335 Democratization.........................................................3 cr
Empirical exploration of how countries democratize as well as concepts and theories regarding these processes. Topics will include maximalist versus minimalist definitions of democracy; how democratization can best be operationalized and measured; and what cultural, economic and political-institutional factors make democratization viable and long-lived.

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
Investigates African politics and society, stressing the transboundary linkages that exist on the local, national, and global level. Includes common challenges to African countries, such as colonial history, debt, resource development, and violent conflict. Examines political, economic and cultural strengths of African countries.
349 Global Ethics
Prereq: Sophomore standing. Freq: Occasionally.
Examines current global issues, conditions, and choices in terms of the ethical questions they present. Topics vary. May be repeated with a different topic.

350 Theories of Comparative Politics
Prereq: POLS 103, 200. Freq: Fall.
Major theories and concepts in the analysis of political systems worldwide. Students will deepen their knowledge of the methods, approaches, and theories gained from POLS 103 and undertake a research project demonstrating their mastery of the sub-field.

356 Political Sociology
Prereq: SOCA 100 or 101. Freq: Occasionally.
An examination of the relationship between politics and the larger social structure, e.g., structure of power in the United States, states, and the economy; political consciousness and the debate on the changing nature of industrial societies. Cross-listed with SOCA 356.

360 Political Parties and Interest Groups
Prereq: POLS 100. Freq: Occasionally.
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.

367 Latinos (as) and the Law
Prereq: 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/ISTD 367.

375 Campaigns and Elections
Prereq: POLS 100, 200 (or concurrent registration in 200). Freq: Occasionally.
Strategies, tactics, and resources used in modern political campaigns and their implications. Examination of the U.S. electoral process and proposals for change.

385 Public Opinion
Prereq: POLS 100, 200 (or concurrent registration in 200). Freq: Occasionally.
Formation and interpretation of public opinion and its consequences for governance. An analysis of the strengths and weaknesses of opinion surveys will be featured.

390 Special Topics
Prereq: None. Freq: Occasionally.
Selected topics in political science will be examined. May be repeated for credit with different topic.

395 Voting Behavior and Political Participation
Prereq: POLS 100, 200 (or concurrent with 200). Freq: Occasionally.
Examines and criticizes competing explanations of voting behavior and political participation in the United States. Features dynamics of citizen involvement in the political process.

400 Internship
Prereq: POLS 100, 200, junior standing. Freq: Fall, Spring, Summer.
Student internship in state, regional, county, or local government offices or in the offices of elected officials. A maximum of 6 credits of internship can be counted toward meeting the credit-hour requirements for the major. Internship credit does not count toward the 15 credits of upper division course work required for the major.

415 International Law
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.

416 The International Criminal Court
Prereq: Junior standing. Freq: Occasionally.
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.

444 Mock Trial Travel Team
Prereq: POLS 116. Freq: Fall.
Students will participate in two or three American Mock Trial Association sponsored tournaments. May be repeated for a maximum of 6 credits.

445 Senior Seminar in Political Science
Prereq: Senior standing. Freq: Occasionally.
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.

490 Special Topics in Political Science
Prereq: POLS 100 or consent of instructor and section prerequisite. Freq: Occasionally.
Select topics in political science will be studied at an advanced level.

499 Independent Study
Prereq: Consent of Instructor and a Department Chair. Freq: Fall, Spring, Summer.
 Provides individual instruction on topics related to political science. A maximum of 6 credits may be applied toward the major.

Courses in Philosophy (PHIL)

101 Introduction to Philosophy
Prereq: None. Freq: Fall, Spring.
An introduction to 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
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
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
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
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
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
Prereq: None. Freq: Fall (alternate years).
Introduction to 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.
Examination of the nature of ethics and its relationship to law and religion. Discussion and appraisal of typical meta-ethical challenges to the possibility of ethics, such as relativism, subjectivism, positivism, naturalism, and egoism. Discussion of 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.

250 Philosophy of Law ............................................................... 3 cr
Prereq: None. Freq: Occasionally;
An examination of the nature of law and legal institutions, with special emphasis on the relationship between law and morality as these play out in the debate between natural law and positivism.

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 Cyzics, 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.

303 Set Theory, Logic and Proof .............................................. 4 cr
Prereq: MATH 222; or PHIL 201 and consent of instructor. Freq: Fall, Spring.
Examines elementary propositional and predicate logic; language and axioms of set theory; operations on sets; well-orderings, ordinals, transfinite induction and recursion; cardinals; the axiom of choice; combinatorics; reading and writing of proofs in mathematics. Cross-listed with MATH 303.

304 Theories of International Relations .................................... 3 cr
Contemporary theories of international relations with selected applications to current issues 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.
Examines topics such 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
Examines topics in popular culture such as the philosophy of film, the philosophy of sex and love, and the philosophy of zombies & 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.

350 Philosophy of Law ............................................................................. 3 cr
Prereq: One PHIL course of consent of instructor. Freq: Occasionally.
An examination of the nature of law and legal institutions, with special emphasis on the relationship between law and morality as these play out in the debate between natural law and positivism. A research paper will be required.

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.

499 Independent Study ......................................................................... 1-5 cr
Prereq: Consent of instructor and department chair. Freq: Occasionally.
Topics individually arranged.
Program Evaluation

College:
Social Sciences and Professional Studies

Degrees and Programs Offered:
Degree - None
Certificate - 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</th>
<th>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 300</td>
<td>Data Collection and Analysis: 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>

* Similar classes from other departments or universities can be submitted to director for approval.

B. Elective Courses (4 credits)

Choose courses from list to reach a minimum of 4 credits:

<table>
<thead>
<tr>
<th>Course</th>
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<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>SOCA 306</td>
<td>Research in Community Needs</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

These include courses on topics such as team building, nonprofit organization, and report writing.

Or other courses approved by the director.
PSYCHOLOGY

Molinaro 275 • 262-595-2316

**College:**
Natural and Health Sciences

**Degree and Programs Offered:**
Bachelor of Science
Major - Psychology
Minor - Psychology
Certificates - Mental Health Skills, Human Measurement and Research

**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 faculty member 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 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 two 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 a eas of psychology.

**Requirements for Admission to the Psychology Major**
Students must have 15 credits overall and a passing grade in Introduction to Psychological Science (PSYC 101) 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 all psychology majors must have a minimum 2.50 GPA in all of their psychology course work (including transfer credits).

The psychology major consists of a minimum of 39 credits.
A. Core Courses (9 credits)

<table>
<thead>
<tr>
<th>Course</th>
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<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 101</td>
<td>Introduction to Psychological Science</td>
<td>3 cr</td>
</tr>
<tr>
<td>PSYC 250</td>
<td>Psychological Statistics</td>
<td>3 cr</td>
</tr>
<tr>
<td>PSYC 300</td>
<td>Research Methods in Psychology</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

Majors may NOT substitute a research methods course from a different discipline for PSYC 300.

B. Breadth Courses (9 credits)

<table>
<thead>
<tr>
<th>Course</th>
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<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 205</td>
<td>Cognitive Psychology</td>
<td>3 cr</td>
</tr>
<tr>
<td>PSYC 210</td>
<td>Introduction to Human Development</td>
<td>3 cr</td>
</tr>
<tr>
<td>PSYC 220</td>
<td>Social Psychology</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

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)

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.

The psychology minor requires a minimum of 21 credits.

A. Core Courses (9 credits)

<table>
<thead>
<tr>
<th>Course</th>
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</thead>
<tbody>
<tr>
<td>PSYC 101</td>
<td>Introduction to Psychological Science</td>
<td>3 cr</td>
</tr>
<tr>
<td>PSYC 250</td>
<td>Psychological Statistics</td>
<td>3 cr</td>
</tr>
<tr>
<td>PSYC 300</td>
<td>Research Methods in Psychology</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

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 of the three:

<table>
<thead>
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</thead>
<tbody>
<tr>
<td>PSYC 205</td>
<td>Cognitive Psychology</td>
<td>3 cr</td>
</tr>
<tr>
<td>PSYC 210</td>
<td>Introduction to Human Development</td>
<td>3 cr</td>
</tr>
<tr>
<td>PSYC 220</td>
<td>Social Psychology</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

C. Depth Courses (6 credits)

Choose six credits of psychology courses numbered 301 and above NOT including PSYC 410 or 499.

Requirements for the Certificate in Mental Health Skills (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 (12 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 318</td>
<td>Psychological Assessment</td>
<td>3 cr</td>
</tr>
<tr>
<td>PSYC 330</td>
<td>Interviewing</td>
<td>3 cr</td>
</tr>
<tr>
<td>PSYC 360</td>
<td>Abnormal Psychology</td>
<td>3 cr</td>
</tr>
<tr>
<td>PSYC 431</td>
<td>Counseling Psychology</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

B. Elective Courses (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 Certificate in Human Measurement and Research (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.

Required courses (12 credits)

<table>
<thead>
<tr>
<th>Course</th>
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<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>PSYC 318</td>
<td>Psychological Assessment</td>
<td>3 cr</td>
</tr>
<tr>
<td>PSYC 492</td>
<td>Psychology Research Seminar</td>
<td>3 cr</td>
</tr>
<tr>
<td>PSYC 499</td>
<td>Independent Study</td>
<td>6 cr</td>
</tr>
</tbody>
</table>

A dissemination project is also required.

For further information about the program contact the program adviser Dr. Beyer.

Courses in Psychology (PSYC)

101 Introduction to Psychological Science ........................................ 3 cr
   Prereq: ENGL 100 or concurrent enrollment. Freq: Fall, Spring.
   An introduction to 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.
   Coverage of theory and research of human cognitive processes. Topics include 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.
   Coverage of 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.
The study of 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.
Application of descriptive and inferential statistics to the research problems of psychology. Projects include computer analysis of data.

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.
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.

318 Psychological Assessment .................................................... 3 cr
Prereq: PSYC 101, 230. Freq: Fall.
Assessment of individual characteristics including issues related to measurement, test construction, test usage, reliability and validity, and specialized applications.

326 Cognitive Neuroscience ...................................................... 3 cr
Prereq: PSYC 205, 300; or consent instructor. Freq: Spring.
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.

330 Interviewing ................................................................. 3 cr
Prereq: PSYC 205 or 210 or 220 or 260. Freq: Spring.
Uses and forms of interviewing; problems of interview communication, reliability, and validity; interview strategies, techniques, and tactics; and behavioral processes and research on interviewing.

334 Infant Development ........................................................... 3 cr
Prereq: PSYC 210, 300. Freq: Fall.
Advanced coverage of theories, concepts, and research pertaining to human development during the first two years of life. Topics include physical, motor, perceptual, cognitive, and social development, with focus on early mechanisms of change.

360 Abnormal Psychology ......................................................... 3 cr
Prereq: PSYC 205 or 210 or 220 or 260. Freq: Spring.
Mental and behavioral disorders including theoretical models, diagnosis and classification, research findings, and treatment approaches.

362 Theories of Psychotherapy ..................................................... 3 cr
Prereq: PSYC 205 or 210 or 220 or 260. Freq: Yearly.
Compares the major, systematic approaches to psychotherapy. Integrates case study analyses with theory. Includes research findings on the process and outcome of psychotherapy.

363 Health Psychology ............................................................ 3 cr
Prereq: PSYC 220 or 260. Freq: Spring.
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.

380 Psychology of Gender ........................................................ 3 cr
Prereq: PSYC 220 and either PSYC 300 or SOCA 295.
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 280.

421 Advanced Social Psychology ................................................ 3 cr
Prereq: PSYC 220 and 300. Freq: Occasionally.
This seminar explores a subject area within social psychology (e.g., the self, stereotyping, social perception, etc.) in an in-depth manner. The course emphasizes the empirical nature of social psychology and teaches research skills.

431 Counseling Psychology ....................................................... 3 cr
Prereq: PSYC 330 or 362. Freq: Fall.
Fundamental techniques of counseling, including assessment of client problems, exploration of behavioral alternatives, applying psychological principles to effect change, and counseling relationship skills.

441 Advanced Human Development Seminar ................................. 3 cr
Prereq: PSYC 210 and PSYC 300. Freq: Occasionally.
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.
490 Special Topics in Psychology ............................................. 1-3 cr
Prereq: Varies by topic. Freq: Occasionally.
Special topics in psychology studied at an advanced level.

492 Psychology Research Seminar ............................................ 3 cr
Prereq: PSYC 300 and Consent of instructor. Freq: Occasionally.
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.

497 Thesis in Psychology .......................................................... 1-3 cr
Prereq: Consent of instructor. Freq: Occasionally.

499 Independent Study .............................................................. 1-6 cr
Prereq: PSYC 300, consent of instructor and department chair.
Freq: Fall, Spring.
Participation in research activities under the direction of a faculty member.
College:
Social Sciences and Professional Studies.

Degree and Programs Offered:
Bachelor of Arts
Major - Sociology
Minors - Anthropology, Sociology, Sociology for Teachers
Certificate - Urban Studies

Student Organizations/Clubs:
Parkside Anthropological Society, 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 work); business (advertising, marketing and consumer research, insurance, real estate, personnel work, training, or sales); college settings (admissions, alumni relations, or placement offices); health services (family planning, substance abuse, rehabilitation counseling, health planning, hospital admissions, and insurance companies); 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); contract archaeology and cultural resource management, forensic anthropology, and museum work.

Department Overview
Sociology and anthropology are complementary approaches to the study of society and culture. While sociologists usually study modern urban industrial societies, anthropologists take a broader perspective by focusing on cultural and biological adaptations of all humankind, whether past or present.

Sociology is the scientific study of the processes and patterns of individual and group interaction, of the forms of social organization, and of the influence of group pressures upon individual behavior. 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, particularly by field experiences in such areas as industrial organizations, social change, intergroup relations, criminal justice, and social welfare.

Anthropology 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 environment throughout time and in all parts of the world. The basic themes of anthropology include adaptation, evolution, change, and continuity. Opportunities exist to apply anthropological knowledge to many problems of modern society, including the social impact of development, economic and political change, and cultural resource management.

The sociology major offers a breadth of exposure to subject matter in both sociology and anthropology, with grounding in the theories and methods of these disciplines. The curriculum includes an understanding of theories and methods used by sociologists and anthropologists, as well as substantive areas to which these theories and methods are applied. The student interested in studying and working in such areas as social change, cultural resource management, museum work, and forensic science may elect a formal concentration in anthropology.

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. Those opting for the anthropology concentration 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 business, medical, government, and nonprofit work.

Program Level Outcomes
To offer a high quality sociology/anthropology 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 anthropological/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 (38-39 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 SOCA 100 or 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/anthropology. 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:

Standard Major
A. Core Courses (20 credits)
   - SOCA 100 Introduction to Anthropology ......................3 cr
   - OR
   - SOCA 101 Introduction to Sociology ......................3 cr
   - SOCA 248 Research Report Writing for the Social Sciences ......................3 cr
   - SOCA 250 Statistics for the Social Sciences ......................4 cr
   - SOCA 295 Social Science Research Methods ......................2 cr
   - SOCA 300 Data Collection and Analysis ......................2 cr
   - SOCA 301 Introduction to Sociological Theory ......................3 cr
   - OR
   - SOCA 302 Anthropological Theory ......................3 cr
   - SOCA 495 Senior Seminar ......................3 cr

B. Elective Courses (18 credits)
Complete Format 1 or Format 2 requirements with at least 12 credits in upper-level (300-400 level) courses. Courses may be counted only once within any format.

Format 1:
Select two of the following areas and complete at least three courses under each area (see below), OR

Format 2:
Complete one course from at least four of the specialization areas (see below). And then, the student may:
  a. choose to specialize in a particular area or
  b. choose one course each from two additional areas.

Criminology and Deviance
- SOCA 102 Contemporary Social Problems ......................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 & Society ...........................................3 cr
- SOCA 241 Sociology of Criminal Justice ..........................3 cr
- SOCA 315 Introduction to Corrections ..........................3 cr

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 372 Technology and Society ......................................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 U.S. ......................................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
The concentration in anthropology provides an introduction to the major subfields of anthropology: cultural anthropology, linguistic anthropology, physical anthropology, and archaeology. The concentration emphasizes the comparative study of society and culture. It uses a variety of analytical approaches to study human evolution, the organization of traditional societies and cultures, and change and continuity in contemporary societies and cultures. Students are required to gain first-hand exposure to anthropological research methods and approaches in one of the subfields. The anthropology fieldwork requirement may be met by working on a faculty research project or by carrying out an independent research or internship project. In lieu of completing SOCA 495 Senior Seminar, anthropology concentration students must complete a portfolio as one additional credit of SOCA 491 Anthropology Fieldwork.

The following requirements are to be met. A minimum of 39 hours for the major must be completed, of which 15 must be at the 300 level or above.

**A. Required Sociology/Anthropology Core Courses (11 credits)**

SOCA 248 Research Report Writing for the Social Sciences .......................... 3 cr
SOCA 250 Statistics for the Social Sciences ........................................... 4 cr
SOCA 295 Social Science Research Methods ........................................ 2 cr
SOCA 300 Data Collection and Analysis ............................................. 2 cr

**B. Anthropology/Sociology Theory Courses (3 credits)**

SOCA 301 Introduction to Sociological Theory ................................... 3 cr
OR
SOCA 302 Anthropological Theory ...................................................... 3 cr

**C. Required Program Overview Courses (12 credits)**

SOCA 100 Introduction to Anthropology .......................................... 3 cr
SOCA 202 Cultural Anthropology ......................................................... 3 cr
SOCA 204 Human Evolution ............................................................... 3 cr
SOCA 208 Introduction to Archaeology ................................................. 3 cr
Requirements for the Sociology Minor
(21 credits)

The minor in sociology consists of a minimum of 21 credits, distributed as follows:

A. Required Courses (9 credits)

AND EITHER

- SOCA 101 Introduction to Sociology ........................................... 3 cr
- SOCA 295 Social Science Research Methods ............................. 2 cr
- SOCA 300 Data Collection and Analysis ..................................... 1 cr

OR

- SOCA 301 Introduction to Sociological Theory ........................... 3 cr

B. Elective Courses (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 & Society ......................................................... 3 cr
- SOCA 250 Statistics for the Social Sciences ............................... 4 cr
- SOCA 290 Special Topics in Sociology and/or Anthropology ............ 1-3 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 Latinas/os in the U.S. .................................................. 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

Requirements for the Sociology for Teachers Minor (18 credits)

A. Required Courses (9 credits)

- SOCA 101 Introduction to Sociology ........................................... 3 cr
- SOCA 295 Social Science Research Methods ............................. 2 cr
- SOCA 300 Data Collection and Analysis ..................................... 1 cr
- SOCA 301 Introduction to Sociological Theory ........................... 3 cr

B. Elective Courses (9 credits)

Choose courses from the following list, with at least 6 credits at the 300 or 400 level.

- 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 312 Anthropology of Language ........................................ 3 cr
- SOCA 320 Sociological Social Psychology ................................. 3 cr
- SOCA 321 Religion and Society ................................................... 3 cr
- SOCA 323 Institutional Racism in America ................................. 3 cr
- SOCA 325 Comparative Race and Ethnic Relations ...................... 3 cr
- SOCA 328 Asians in American Society ....................................... 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 Latinas/os in the U.S. .................................................. 3 cr
- SOCA 354 Class, Status, and Power ............................................. 3 cr
- SOCA 355 Urbanism and Urbanization ...................................... 3 cr
- SOCA 360 Critical Ethnic Studies .............................................. 3 cr
- SOCA 362 Migration and Immigration ........................................ 3 cr
- SOCA 367 LGBTQ Studies ......................................................... 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
Requirements for the Urban Studies Certificate (15 credits)

To earn the urban studies certificate, student must complete the five certificate courses with a A of 2.5 or better.

A. Required Courses (6 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 360</td>
<td>Urban Geography</td>
<td>3 cr</td>
</tr>
<tr>
<td>SOCA 355</td>
<td>Urbanism and Urbanization</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

Note: Both have prerequisites at the 100 level

B. Elective Courses (6 credits)

Choose two from different departments:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 330</td>
<td>Population Geography</td>
<td>3 cr</td>
</tr>
<tr>
<td>SOCA 358</td>
<td>Introduction to Population Studies</td>
<td>3 cr</td>
</tr>
<tr>
<td>ECON 304</td>
<td>Economics of Urban Problems</td>
<td>3 cr</td>
</tr>
<tr>
<td>GEOG 340</td>
<td>Political Geography</td>
<td>3 cr</td>
</tr>
<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>Bureaucracy in Modern Society</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:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH 491</td>
<td>Anthropological Fieldwork</td>
<td>3 cr</td>
</tr>
<tr>
<td>GEOG 495</td>
<td>Internship in Geography</td>
<td>3 cr</td>
</tr>
<tr>
<td>HIST 336</td>
<td>Poverty in American History</td>
<td>3 cr</td>
</tr>
<tr>
<td>SOCA 406</td>
<td>Advanced Program Evaluation</td>
<td>3 cr</td>
</tr>
<tr>
<td>SOCA 492</td>
<td>Internship in Sociology/Anthropology</td>
<td>3 cr</td>
</tr>
<tr>
<td>ECON 499</td>
<td>Independent Study</td>
<td>3 cr</td>
</tr>
<tr>
<td>GEOG 499</td>
<td>Independent Study</td>
<td>3 cr</td>
</tr>
<tr>
<td>HIST 499</td>
<td>Independent Study</td>
<td>3 cr</td>
</tr>
<tr>
<td>SOCA 499</td>
<td>Independent Study</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

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/educatorexperience/index.cfm

Courses in Sociology/ Anthropology (SOCA)

100 Introduction to Anthropology ................................................................. 3 cr
Prereq: None, Freq: Fall, Spring.
A survey of human evolution and culture. Introduces the subfields within anthropology: physical anthropology, archaeology, cultural anthropology and linguistics.

101 Introduction to Sociology ........................................................................... 3 cr
Prereq: None, Freq: Fall, Spring.
Sociology as a special field of behavioral science, examines social relations, social organization and social systems through the study of process, structure, and function.

102 Contemporary Social Problems ................................................................. 3 cr
Prereq: None, Freq: Fall, Spring.
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.

107 Diversity Circles ....................................................................................... 1 cr
Prereq: None, Freq: Fall, Spring.
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.

202 Cultural Anthropology .............................................................................. 3 cr
Prereq: SOCA 100 or 101, Freq: Fall.

204 Human Evolution ....................................................................................... 3 cr
Prereq: SOCA 100 or 101, Freq: Spring.
Analysis of the fossil evidence for human evolution. Modern human genetics, evolutionary theory, and biological variation within the human species.

206 Race and Ethnic Relations in the U.S. ...................................................... 3 cr
Prereq: SOCA 100 or 101; or consent of instructor. Freq: Fall, Spring, Summer.
Introduction to 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 life chances. Cross-listed with ETHN 206.
207 Marriage and Family .................................................................3 cr
Prereq: SOCA 100 or 101; or consent of instructor. Freq: Fall, Spring, Summer.
Nature and functions of the family; cross cultural and/or life course comparisons of marriage and family arrangements; gender role training; perinatal and marital social and sexual activities, power dynamics, and other family processes.

208 Introduction to Archaeology ..................................................3 cr
Prereq: SOCA 100 or 101; or consent of instructor. Freq: Fall.
Concepts and methods for the scientific study of prehistoric cultures. Discussion of field methods, laboratory analysis, archaeological theory, and major trends in world prehistory.

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 subcultural comparisons. Cross-listed with WGSS 213.

216 Social Issues in Substance Use and Abuse ..............................3 cr
Prereq: 3 credits in sociology. Freq: Every third semester.
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.

226 Peoples of Africa .................................................................3 cr
Prereq: SOCA 100 or 101. Freq: Fall.
A survey of the societies and cultures of Africa. Discusses history, cultural variation, and contemporary social change. Cross-listed with INTS 226.

227 North American Indians .......................................................3 cr
Prereq: SOCA 100 or 101. Freq: Fall (even years).
An anthropological survey of traditional American Indian cultures of the United States and Canada. Focus on various aspects of culture, history and recent culture change.

232 Criminology .............................................................................3 cr
Prereq: SOCA 100 or 101 or CRMJ 101; or consent of instructor.
Freq: Fall, Spring.
Examination of past and current theory and research. Crime as a consequence of social, economic, political, and personal factors. Critique of approaches to prevention and correction. Cross-listed with CRMJ 233.

234 Juvenile Delinquency/Juvenile Justice ....................................3 cr
Prereq: SOCA 100 or 101 or CRMJ 101; or consent of instructor.
Freq: Fall, Spring.
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.

235 Police & Society .....................................................................3 cr
Prereq: SOCA 100 or 101 or CRMJ 101; or consent of instructor.
Freq: Fall, Spring.
A study of the various levels, roles and functions of law enforcement in America. The nature and responsibilities of law enforcement are discussed and evaluated including police accountability and civil liability. Examines the racial, ethnic, and gender issues in law enforcement. Cross-listed with CRMJ 235.

240 Cross-Cultural Encounters ....................................................3 cr
Prereq: None. Freq: Occasionally.
Cross-cultural interaction, communication, and value differences; applications for those planning to travel, live, work in a new cultural context.

248 Research Report Writing for the Social Sciences ....................3 cr
Prereq: SOCA 100 or 101; ENGL 101 with a grade of C+ or better; or consent of instructor. Freq: Fall, Spring.
Preparation of research reports, such as the types assigned in the 300 and 400 level classes. Focus on understanding the format of research papers and improving writing ability.

250 Statistics for the Social Sciences .............................................4 cr
Prereq: MATH 111, computational skills requirement (MATH 102), or consent of instructor. Freq: Fall, Spring.
Descriptive and inferential statistics as applied to nominal, ordinal, and interval measurements of behavior. Examples selected from behavioral-science data.

290 Special Topics ..........................................................................1-3 cr
Prereq: SOCA 100 or 101; Freq: Occasionally.
Selected topics in sociology and/or anthropology will be examined.

295 Social Science Research Methods ..........................................2 cr
Prereq: SOCA 100 or 101; sophomore standing. Freq: Fall, Spring.
Introduction to philosophies, methods and problems of social research; sampling and data collection techniques; questionnaire construction, interviewing techniques, field methods, and content analysis.

300 Data Collection and Analysis ..................................................1-3 cr
Prereq: SOCA 295 or concurrent registration; or consent of instructor.
Freq: Fall, Spring, Summer.
Specific methods of data collection and analysis. Topics will vary. May be taken more than once for credit. A minimum of 2 credits are required for the sociology-anthropology major.

301 Introduction to Sociological Theory ........................................3 cr
Prereq: SOCA 100 or 101; junior standing. Freq: Fall, Spring.
Introduction to major sociological concepts and theories, and their application in the analysis of social structures and processes.

302 Anthropological Theory .........................................................3 cr
Prereq: SOCA 100 or 101; junior standing. Freq: Fall, Spring.
Examines contemporary theories in social and cultural anthropology, including evolutionist, structural functionalist, and symbolic approaches.

304 Skill Development in Leadership ..........................................1 cr
Prereq: SOCA 100 or 101; junior standing. Freq: Occasionally.
Sociological perspectives and intensive training in an important aspect of grass-roots leadership. The particular focus of the course will vary. Areas include grant writing, team building, and working with media. May be repeated for credit.

306 Research in Community Needs .............................................3 cr
Prereq: SOCA 100 or 101; junior standing. Freq: Every third semester.
Assessment of the needs of a community or environment using the methods of evaluation research.

310 Forensic Anthropology .........................................................3 cr
Prereq: SOCA 204 or consent of instructor. Freq: Spring (odd years).
A laboratory/lecture course in human osteology, involving the identification of human skeletal remains for legal and scientific purposes. The establishment from skeletal remains of the age, sex, biological background, stature, trauma, abnormalities of growth, and details of health and nutritional history.

312 Anthropology of Language ....................................................3 cr
Prereq: SOCA 100 or 101; junior standing or consent of instructor.
Freq: Spring.
Introduces concepts used in the anthropological study of language and communication, including phonetics, historical linguistics, language acquisition, cognition and how meaning is formed through linguistic interactions, modes of communication in different social settings, and how culture influences the transmission of information.

315 Anthropology of Non-Western Art .........................................3 cr
Prereq: SOCA 100 or 101, or ART 125 or 126, or consent of instructor. Freq: Spring (odd years).
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 ART 315.
319 Death and Dying ................................................. 3 cr
Sociological analysis of patterns of behavior and beliefs about death, dying, and bereavement. Medical, legal, and ethical issues are also studied.

320 Sociological Social Psychology ............................ 3 cr
Prereq: SOCA 100 or 101; and 3 additional credits in sociology, or consent of instructor. Freq: Fall (every year).
A sociological approach to micro-level, interpersonal issues including basic social psychological theories, group processes and dynamics, the micro-level impact of race, class and gender, and postmodern analysis of the dissolution of the self.

321 Religion and Society ........................................... 3 cr
Prereq: SOCA 100 or 101; Freq: Occasionally.
Comparative study of religion and society with an emphasis on the major religious traditions. Examination of the relationship between religions, beliefs and social values.

322 Sociology of Language and Knowledge .................. 3 cr
Prereq: SOCA 100 or 101. Freq: Occasionally.
An introduction to the concepts, theoretical frameworks and concerns of sociolinguists. Emphasis of ethnolinguistics, language planning (such as bilingual education, professional languages), and cultural politics affecting linguistic minorities (language maintenance, language shift, and language choice as a human right).

323 Institutional Racism in America ............................ 3 cr
Prereq: SOCA 100 or 101. Freq: Every third semester.
Analysis of racism in America’s social institutions (i.e., law, family, workplace, sports, education, mass media). An examination of social, economic and political institutions within racial/ethnic communities and their relationship to the larger American society.

324 African American Studies .................................... 3 cr
Prereq: SOCA 100 or 101. Freq: Occasionally.
Examines the experiences of African Americans, both current and historical, using a variety of theoretical models and perspectives; macro-level contexts of these experiences.

325 Comparative Race and Ethnic Relations .................. 3 cr
Prereq: SOCA 100 or 101. Freq: Every third semester.
A comparison and analysis of race and ethnic relations across at least three different societies.

326 Social Gerontology ............................................. 3 cr
Prereq: SOCA 100 or 101; junior standing or consent of instructor. Freq: Fall.
Examination of quality of life issues among elderly; focuses on medical, social, educational, recreational and economic institutions.

327 Archaeology of North America ............................. 3 cr
Prereq: SOCA 100 or 208. Freq: Spring (even years).
Focus on evidence for human migration to the New World and the examination of subsequent cultural developments in all major regions of North America lying north of Mexico.

328 Asians in American Society .................................. 3 cr
Prereq: SOCA 100 or 101. Freq: Fall.
Examines the culture, social, political, historical, and economic experiences of Asians in America. Among the topics covered are Asian Americans as perpetual foreigners, racism, immigration, citizenship, language, education and job opportunities.

329 Social Institutions in Contemporary China ............... 3 cr
Prereq: SOCA 100 or 101. Freq: Fall (odd years).
Introduces the social institutions and changes in the twentieth century China. Topics include population, family, education, economy, and politics.

331 Deviant Behavior ............................................... 3 cr
Prereq: SOCA 100 or 101; junior standing. Freq: Every third semester.
A survey of theoretical perspectives on deviant behavior which traces the development of how deviance is defined, explained and controlled.

332 Sociology of Mental Illness ................................. 3 cr
Prereq: SOCA 100 or 101; junior standing. Freq: Every third semester.
Mental illness as a social role/social label is examined in terms of institutional and sociocultural factors.

336 Childhood and Society ....................................... 3 cr
Prereq: SOCA 100 or 101. Freq: Occasionally.
An examination of childhood as a socially constructed idea which has a profound effect on our lives and our communities; ever-changing images, definitions, agreements, and rules about childhood; the social structures incorporating childhood; the relationship of childhood to power distributions and economic inequalities.

343 Latinos/os in the United States ............................ 3 cr
Prereq: SOCA 100, 101, or ETHN 201. Freq: Fall.
Focus on the social, political, and cultural dynamics of the Latina/o experience in the U.S. (i.e. racial/ethnic identity, racism, economy, immigration, colonialism). Cross-listed with ETHN 343.

352 Law and Social Change ....................................... 3 cr
Prereq: SOCA 100 or 101 or CRMJ 101; or consent of instructor. Freq: Yearly.
This course will provide 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.

354 Class, Status, and Power ..................................... 3 cr
Prereq: SOCA 100 or 101. Freq: Spring.
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.

355 Urbanism and Urbanization .................................. 3 cr
Prereq: SOCA 100 or 101. Freq: Occasionally.
Comparative study of cities including preindustrial, industrial and third-world cities. Examines urbanization process, and urban social organization and culture.

356 Political Sociology ............................................. 3 cr
Prereq: SOCA 100 or 101. Freq: Occasionally.
An examination of the relationship between politics and the larger social structure, e.g., 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.

357 Livelihoods and Exchange .................................... 3 cr
Prereq: SOCA 100 or 101. Freq: Occasionally.
Comparative study of economic organization emphasizing non-Western societies. Focus on livelihood activities, systems of production and exchange and economic change.

358 Introduction to Population Studies ....................... 3 cr
Prereq: SOCA 100 or 101; junior standing. Freq: Fall.
Population size, composition and processes, migration, and social and economic determinants of demographic changes with emphasis on their effects upon social organization.

359 Law and Society ................................................. 3 cr
Prereq: CRMJ 101 or SOCA 100 or 101. Freq: Occasionally.
Selected legal rules, principles, and institutions treated from a sociological perspective. 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.

360 Critical Ethnic Studies ....................................... 3 cr
Prereq: SOCA 100 or 101; or consent of instructor. Freq: Yearly.
A critical examination of the social conditions under which ethnic, including ‘racial’, groups achieve the status of ‘natural’ and ‘pure’ social formations in the United States and in selected other societies. Special attention is given to perceptions of ‘whiteness’ and ‘hybridity’ and their social consequences. Cross-listed with ETHN 360.

362 Migration and Immigration ................................... 3 cr
Prereq: SOCA 100 or 101. Freq: Occasionally.
Migration and immigration as major processes of change in the United States and internationally. Focus on communities, social networks, and work activities of migrants.
363 Correction..............................................................3 cr
Prereq: SOCA 100 or 101 or CRMJ 101; or consent of instructor.
Freq: Fall, Spring.
Analysis of the organization of correctional agencies and the role of
corrections in the criminal justice system. Review of theories, practices,
systems, and treatment methods. Cross-listed with CRMJ 363.

365 Race, Crime, Law ..................................................3 cr
Prereq: CRMJ 101 or SOCA 100 or 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.
From law enforcement to courts and corrections, this course focuses
on the multiple perspectives from offender to victim to criminal justice
practitioner. Cross-listed with CRMJ 365.

367 LGBT Studies .......................................................3 cr
Prereq: SOCA 100 or 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 Victimization ..........................................................3 cr
Prereq: SOCA 100 or 101 or CRMJ 101; or consent of instructor.
Freq: Occasionally.
An examination of the causes and consequences of crime victimization.
The history and recent re-emergence of the study of the victim, and
the types and circumstances of criminal victimization. The course
addresses victims’ rights and the victims’ rights movement. Cross-
listed with CRMJ 368.

371 Occupations and Professions.................................3 cr
Prereq: SOCA 100 or 101. Freq: Occasionally.
Analysis of selected occupations and professions in modern life;
recruitment, socialization, work roles and careers, occupational
ideologies and practices.

372 Technology and Society ..........................................3 cr
Prereq: SOCA 100 or 101. Freq: Occasionally.
Examination of critical, structural, contextual, and interactionist
approaches to technology and technological change. Develops new
perspectives on the interactions between technology and social
organization. Discusses the causes and effects of technological
change.

373 Formal Organization ..............................................3 cr
Prereq: Consent of instructor. Freq: Fall.
Examines fundamental issues concerning social organization, including
such topics as sociological theories of formal organization, research
methods for analyzing organizations, individuals, and groups in
organizations, organizational structure, communication, leadership,
and decision-making, organizational change and effectiveness.

374 Women and Work .................................................3 cr
Prereq: SOCA 100 or 101. Freq: Every third semester.
Examines the position of women in the work world including the
importance of gender in determining definitions and valuations of
“work.” The situation of women globally and historically is considered as
context for current patterns in the United States.

375 Sociology of Education ...........................................3 cr
Prereq: SOCA 100 or 101. Freq: Fall.
Education analyzed 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: SOCA 100 or 101. Freq: Spring.
Study of the health status of populations and the social, political,
Economic, and environmental factors that influence health, disease,
and illness in populations; special focus on historical patterns, current
challenges, and alternatives for future change.

379 Society and Environment .......................................3 cr
Prereq: SOCA 100 or 101. Freq: Every third semester.
A sociological examination of environmental philosophies, movements,
attitudes, and issues. A diverse, multicultural array of approaches are
considered.

380 Social Welfare as a Social Institution ......................3 cr
Prereq: SOCA 100 or 101. Freq: Occasionally.
A survey of American social work emphasizing recent changes in
organization and methods. Special attention is given to work with
subcultures and minorities.

382 Environmental Anthropology ...............................3 cr
Prereq: SOCA 100 or 101; or consent of instructor. Freq: Fall (odd
years).
Anthropological survey of human/environmental relations. Discussion
of ecological concepts and processes in relation to past and present
human life, in simple and complex societies. Focus on anthropological
perspectives on current environmental problems as aspects of the
cultural adaptation to natural and social environments.

390 Special Topics .....................................................1-3 cr
Prereq: SOCA 100 or 101. Freq: Occasionally.
Selected topics in sociology and/or anthropology will be examined.

406 Advanced Program Evaluation ..............................3 cr
Prereq: Minimum of 2 credits in SOCA 300. Freq: Spring.
Examination of the role of research in program planning and
implementation; advanced application of this knowledge in a
community based learning project.

455 International Development and Change ................3 cr
Prereq: 6 credits in sociology. Freq: Occasionally.
Comparative analysis of social change and international development.
Focuses on theories, the role of development agencies, and case
studies of development projects.

490 Special Topics in Sociology and/or Anthropology ......3 cr
Prereq: SOCA 100 or 101; junior standing; or consent of instructor.
Freq: Occasionally.
Selected topics in sociology and/or anthropology will be examined.

491 Anthropology Fieldwork .................................1-10 cr
Prereq: SOCA 100 or 101 and consent of instructor. Freq: Fall, Spring,
Summer.
Faculty supervision of student field research experience.

492 Internship in Sociology/Anthropology .................1-4 cr
Prereq: SOCA 100 or 101; junior standing; and consent of instructor.
Freq: Fall, Spring, Summer.
Community work experience with emphasis on job preparation skills,
i.e., resume writing, networking, interviewing.

495 Senior Seminar ..................................................3 cr
Prereq: SOCA 295; SOCA 301 or 302; senior standing.
Freq: Fall, Spring.
Capstone experience for majors that includes 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 taken for credit more than
once with consent of instructor.

498 Portfolio ..............................................................1 cr
Prereq: Senior standing or consent instructor. Freq: Fall, Spring.
This class is designed to aid students in developing a portfolio to
document their achievements in a certificate program, minor, or major.
The class will make explicit their personal and career abilities and goals
through completing a resume and through peer assessment of their
work.

499 Independent Study ..............................................1-4 cr
Prereq: Sociology major; junior standing; consent of instructor and
department chair. Freq: Fall, Spring, Summer.
Independent work on specific problems in sociology and/or
anthropology, under faculty supervision.
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 encompass environmental consulting, environmental law, product management, waste management, corporate sustainability, green public relations, sustainable business development, natural resource management, environmental impact analysis, recycling, energy management, water conservation 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 prerequisite courses: college algebra, introductory biology, general chemistry, introductory speech or communication, and statistics. Students are required to complete each of the 21 courses of this degree completion curriculum. Students should consult with the academic director/program adviser.

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)

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>SMGT 310</td>
<td>Ecology for Sustainable Management</td>
<td>3 cr</td>
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<tr>
<td>SMGT 315</td>
<td>Global Environmental Chemistry</td>
<td>3 cr</td>
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<tr>
<td>SMGT 320</td>
<td>Energy for Sustainable Management</td>
<td>3 cr</td>
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<tr>
<td>SMGT 325</td>
<td>Natural Resource Management</td>
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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. 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.

A. Required Courses (12 credits)

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<tr>
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<tbody>
<tr>
<td>SMGT 230</td>
<td>Triple Bottom Line Accounting for Managers</td>
<td>3 cr</td>
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<tr>
<td>SMGT 235</td>
<td>Economics in Society and Sustainability</td>
<td>3 cr</td>
</tr>
<tr>
<td>SMGT 331</td>
<td>Sustainable Organizational Finance</td>
<td>3 cr</td>
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<tr>
<td>SMGT 430</td>
<td>International Management for a Sustainable World</td>
<td>3 cr</td>
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B. Elective Course (3 credits)

Choose one:

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>SMGT 335</td>
<td>Management &amp; Environmental Information Systems</td>
<td>3 cr</td>
</tr>
<tr>
<td>SMGT 350</td>
<td>Operations Management and Sustainability</td>
<td>3 cr</td>
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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, Summer.

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 adviser consent on space available basis. Freq: Fall, Spring, Summer.

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: Fall, Spring, Summer.

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, Spring, Summer.

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 economic thought, within the context of systems thinking and ecological economics, are integrated throughout the course.

240 Technical Writing for Sustainable Management ............................. 3 cr  
Prereq: Admitted SMGT majors only or program adviser consent on space available basis. Freq: Fall, Spring, Summer.

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 and Sustainability ....................................................... 3 cr  
Prereq: Introductory Biology, admitted SMGT majors only or program adviser consent on space available basis. Freq: Fall, Spring, Summer.

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: Fall, Spring, Summer.

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: Fall, Spring, Summer.

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.

325 Natural Resource Management .................................................. 3 cr  
Prereq: Admitted SMGT majors only or program adviser consent on space available basis. Freq: Fall, Spring, Summer.

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.
330 Marketing for a Sustainable World .................................3 cr
Prereq: SMGT 235, admitted SMGT majors only or program adviser consent on space available basis. Freq: Fall, Spring, Summer.
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.

331 Sustainable Organizational Finance ...............................3 cr
Prereq: SMGT 230, SMGT 235, admitted SMGT majors only or program adviser consent on space available basis. Freq: Fall, Spring, Summer.
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).

332 Economics of Environmental Sustainability ....................3 cr
Prereq: SMGT 235, admitted SMGT majors only or program adviser consent on space available basis. Freq: Fall, Spring, Summer.
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.

335 Management and Environmental Information Systems .........3 cr
Prereq: SMGT 230, admitted SMGT majors only or program adviser consent on space available basis. Freq: Fall, Spring, Summer.
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.

340 Organizational Behavior and Sustainability ....................3 cr
Prereq: Introductory Speech or Communication, admitted SMGT majors only or program adviser consent on space available basis. Freq: Fall, Spring, Summer.
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.

350 Operations Management and Sustainability ...................3 cr
Prereq: College Algebra, Introductory Statistics, admitted SMGT majors only or program adviser consent on space available basis. Freq: Fall, Spring, Summer.
Introduction to the role of the operations function in a sustainable organization. The course will outline how green enterprises address line solution to industrial problems will be emphasized.

360 Environmental and Sustainability Policy ..........................3 cr
Prereq: SMGT 115, admitted SMGT majors only or program adviser consent on space available basis. Freq: Fall, Spring, Summer.
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.

370 Logistics, Supply Chain Management, and Sustainability .......3 cr
Prereq: SMGT 350, admitted SMGT majors only or program adviser consent on space available basis. Freq: Fall, Spring, Summer.
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.

430 International Management for a Sustainable World .............3 cr
Prereq: SMGT 235, admitted SMGT majors only or program adviser consent on space available basis. Freq: Fall, Spring, Summer.
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.

435 International Management for a Sustainable World .............3 cr
Prereq: SMGT 235, admitted SMGT majors only or program adviser consent on space available basis. Freq: Fall, Spring, Summer.
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.

460 Environment and Society ............................................3 cr
Prereq: SMGT 115, admitted SMGT majors only or program adviser consent on space available basis. Freq: Fall, Spring, Summer.
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.

495 Sustainable Management Capstone ...............................3 cr
Prereq: Senior standing, instructor consent, admitted SMGT majors only or program adviser consent on space available basis. Freq: Fall, Spring, Summer.
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.
TEACHER EDUCATION
UW-PARKSIDE 2015-17 CATALOG

Molinaro D111 • 262-595-2180 • Email: educator.preparation@uwp.edu

College:
Social Sciences and Professional Studies, Institute of Professional Educator Development (IPED)

Degree and Program Offered:
Bachelor of Science
Major - Elementary Education

Wisconsin Licensure Levels Offered:
Early Childhood – Adolescence (EC-A): ages birth – 21; Grades PK4-12
Early Adolescence-Adolescence (EA-A): ages 10-21; Grades 6-12
Middle Childhood – Early Adolescence (MC-EA): ages 6-12 or 13; Grades 1-8

Student Organizations/Clubs:
Student Wisconsin Educators Association (SWEA)

Career Possibilities:
Career opportunities for students who complete programs and are endorsed for licensure may include: teacher, 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 and graduate school.

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 elementary education (grades 1-8), secondary education (grades 6-12), and music education (birth – 12th grade). Undergraduate students seeking licensure in elementary education should declare the bachelor of science in elementary education with a minor in an approved academic content area. Undergraduate students seeking licensure in secondary education should declare an approved major as well as educator preparation. Music education students should declare the bachelor of arts in music with a music education concentration. The approved major’s and minors for licensure can be found in the chart below. Students pursuing elementary, secondary and music education licensure may be at the undergraduate or post baccalaureate level.

Advanced professional development offers a technology and pre-engineering licensure program for post baccalaureate students that leads to an early childhood – adolescence license (birth-grade 12). 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.

Licensure Programs in IPED
Licensure programs are offered in the following majors, secondary education minors, post-baccalaureate licensure programs and add-on licensure programs. Teacher candidates pursuing an Elementary Education major must complete a minor. If the minor is a certifiable minor licensure will be endorsed to teach ages 6-12 or 13 in the category. This list may change at any time, always consult with the IPED advisor before selecting a major, minor or licensure program.
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 students’ chosen major and/or pathway. All admitted UW-Parkside students, 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.

### Transferring into an Educator Preparation Program

Students who wish to transfer into a licensure program may do so by meeting all of the admission requirements listed below. Students who have prior education coursework may request a review to determine possible equivalency of competencies met in our coursework. At a minimum, students 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 students in undergraduate initial licensure programs. The review of coursework may take up to 30 days.

### Dispositional Expectations

IPED has adopted key dispositions and behaviors essential for all teacher candidates to demonstrate across their programs of study. Over the course of their program, teacher candidates’
professional dispositions will be assessed based on observable behaviors in educational settings by their host teacher and university supervisor. Teacher candidates’ professional dispositions will be assessed in each of their four field placements beginning with the 300-level courses, and during their student teaching term. Data from these assessments will be used to continuously improve the candidate, the licensure pathway, and the educator preparation program as a whole. The dispositional policy can be obtained in the IPED office.

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) is two teachers (mentor teacher /teacher candidate) working together with a group of students. This pair of teachers intentionally and strategically works 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 students are actively engaged in the classroom working with K-12 students, called clinical field experiences. Prior to working in the classroom students attend workshops to learn strategies used in the co-teaching model. Students 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.

Students spend many hours working in the classroom preparing for licensure. This time is valuable as students prepare to become a teacher and allows students the opportunity to gain multiple and varied classroom teaching experience under the direction of professional mentor teachers. The total minimum clinical hours students 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- 460 hours

Students 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 students 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 students to explore the profession of teaching and learning. Throughout this course students will have multiple opportunities to engage with peers, faculty, teachers and 6-12 grade students as you begin to participate in a way of life that is associated with public service. EDU 200 is designed for students to begin to explore how family and community factors impact learning in and outside of schools.

Program Progression

The following describes the sequence of stages within all educator preparation programs:

Pre-Professional Learning

In pre-professional Learning, students 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 students 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 students over the course of one semester. Residents are fully integrated into the professional life of the schools in which they are working.
Requirements for Admission to the Educator Preparation Undergraduate Licensure Programs

All admitted UW-Parkside students, in good standing, can indicate their intent to enter the educator preparation program. Students who plan to complete educator preparation requirements for licensure must be admitted to the educator preparation program. Admission to the program is required for students to enroll in EDU courses at or above the 300 level. It is strongly advised that students follow the directions for admission closely and work with an advisor during the application process.

Application for admission dates are posted on the teacher education website www.uwp.edu/learn/departments/educatordevelopment/. 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. (Students 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 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
  * ACT – must have a composite score of 23 or higher with a minimum score of 20 on English, math and reading AND the score is within the previous 5 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 5 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 5 years. (Students 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.);
- Successful completion or current enrollment in EDU 100 at the time of the application period (unless applying during the summer application period, then see below);
- Successful completion or current enrollment in EDU 200 at the time of the application period (unless applying during the summer application period, then see below);
- Successful completion or current enrollment in EDU 210, EDU 211, and EDU 212 for MC-EA licensure at the time of application (unless applying during the summer application period, then see below);
- Completion of the addendum to the criminal background check form;
- Successful completion of the reflection on teaching as my career essay.

Students who apply for admission during a summer application period for Fall admission must have completed EDU 100 and EDU 200 for EA-A programs and EDU 100, EDU 200, EDU 210, EDU 211 and EDU 212 for MC-EA programs.

The requirements for admission may change at any time, it is important to work closely with the advisor in the licensure program to make sure you have the most up-to-date information for admission.

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 pursue 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 students

EDUCATOR PREPARATION
UNDERGRADUATE LICENSURE
PROGRAMS

Requirements for the Major in Elementary Education

Middle Childhood – Early Adolescence Licensure: age 6-12 or 13, grades 1-8

The elementary education major is designed for UW-Parkside students who desire to teach elementary and middle school students. 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 students who successfully pass all program and licensure requirements to earn a license to teach elementary aged children. This program requires that students also complete an approved minor which can be found in the table earlier in this section.

Students 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 students must complete a set of skill requirements in reading and writing and computational skills. Students 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. Students may choose between MATH 102 and MATH 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; ART 122: Introduction to Drawing; ENGL 167: Introduction to Literature; THEA 208: Multicultural Theatre in America
- Natural Science: BIOS 100: Nature of Life; GEOS 100: Earth in Perspective; CHEM 100: The World of Chemistry; PHYS 101: Principles of Physics

Completing the above suggestions does not necessarily mean students have completed the requirements of the general education program, please consult with the advisor to ensure all requirements are met.

Required Major Courses  (71 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDU 100</td>
<td>Educator Learning Community Seminar and Pre-Clinical I</td>
</tr>
<tr>
<td>EDU 200</td>
<td>Educator Learning Community Seminar and Pre-Clinical II</td>
</tr>
<tr>
<td>EDU 210</td>
<td>Seminar: Exploring Children's Worlds in Classroom, Context and Community</td>
</tr>
<tr>
<td>EDU 211</td>
<td>Child and Adolescent Development</td>
</tr>
<tr>
<td>EDU 212</td>
<td>Mathematics for Elementary and Middle School Teachers</td>
</tr>
</tbody>
</table>

BENCHMARK – Admission to Major Required to Move Forward

B. Developing Expertise Sequence (17 Credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>EDU 320</td>
<td>Family, School and Community Partnerships Seminar</td>
</tr>
<tr>
<td>EDU 321</td>
<td>Developmentally Appropriate Curriculum Design and Assessment</td>
</tr>
<tr>
<td>EDU 322</td>
<td>Teaching and Assessing Strategies for Exceptional Learners</td>
</tr>
<tr>
<td>EDU 330</td>
<td>Seminar: Culturally Responsive Teaching</td>
</tr>
<tr>
<td>EDU 331</td>
<td>Teaching Across Cultural Differences</td>
</tr>
<tr>
<td>EDU 332</td>
<td>Foundations of Literacy</td>
</tr>
<tr>
<td>EDU 333</td>
<td>Children's and Adolescent Literature and New Literacies</td>
</tr>
</tbody>
</table>

BENCHMARK: Assessment Presentation

C. Demonstrating Expertise in Practice Sequence (33 Credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>EDU 430</td>
<td>Seminar: Using Technology to Engage in Action Research</td>
</tr>
<tr>
<td>MUSE 303</td>
<td>Special Methods Music and Art</td>
</tr>
<tr>
<td>EDU 431</td>
<td>Teaching Developmental Math Concepts, K-2</td>
</tr>
<tr>
<td>EDU 432</td>
<td>Teaching Developmental Literacy, K-2</td>
</tr>
<tr>
<td>EDU 433</td>
<td>Teaching Developmental Science, K-2</td>
</tr>
<tr>
<td>EDU 434</td>
<td>Teaching Developmental Movement and Health Education, K-8</td>
</tr>
<tr>
<td>EDU 435</td>
<td>Introduction to Second Language Instruction</td>
</tr>
<tr>
<td>EDU 440</td>
<td>Seminar: Using Technology to Engage in Action Research II</td>
</tr>
<tr>
<td>EDU 441</td>
<td>Methods and Materials for Teaching English as a Second Language</td>
</tr>
<tr>
<td>EDU 442</td>
<td>Teaching Developmental Math Concepts, 3-8</td>
</tr>
<tr>
<td>EDU 443</td>
<td>Teaching Developmental Literacy, Grades 3-8</td>
</tr>
<tr>
<td>EDU 444</td>
<td>Teaching Developmental Social Studies in an Elementary and Middle School Setting</td>
</tr>
<tr>
<td>EDU 445</td>
<td>Teaching Developmental Environmental Science, Grades K-8</td>
</tr>
</tbody>
</table>

BENCHMARK: e-Portfolio Review, Praxis II, Foundations of Reading and Admission to Residency

D. The Residency (12 Credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>EDU 450</td>
<td>Elementary or Middle School Residency Seminar</td>
</tr>
<tr>
<td>EDU 455</td>
<td>Elementary or Middle School Residency</td>
</tr>
</tbody>
</table>
Elementary education majors must complete a minor approved by the Department of Public Instruction. The approved minors are listed in the table above.

### Requirements for Secondary Education Licensure Programs

#### Early Adolescence – Adolescence Licensure: age 10-21, grades 6-12

All students 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
- Chemistry
- Earth Science/Geoscience
- English/Language Arts**
- Geography
- History
- Mathematics
- Political Science
- Sociology

* New majors leading to licensure will be added through program expansion. Please check the IPED website or office for new offerings.

** Students who declared English/Language Arts before February 1, 2015, please check with the IPED advisor as the status of this content area may allow new students by 2015-2016.

New majors leading to licensure will be added through program expansion. Please check the IPED website or office for new offerings.

#### Required Core Education Courses (39 credits)

**A. Pre-Professional Sequence (2 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 200</td>
<td>Educator Learning Community Seminar and Pre-Clinical II</td>
<td>1 cr</td>
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</tbody>
</table>

BENCHMARK – Admission to Major Required to Move Forward

**B. Developing Expertise Sequence (10 credits)**

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<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>EDU 300</td>
<td>Seminar and Practicum I: The Learner and Learning</td>
<td>1 cr</td>
</tr>
<tr>
<td>EDU 302</td>
<td>Learning and Developmentally Appropriate Design</td>
<td>2 cr</td>
</tr>
<tr>
<td>EDU 304</td>
<td>Context and Culture in Learning Environments</td>
<td>2 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 312</td>
<td>Designed Learning Curriculum</td>
<td>2 cr</td>
</tr>
<tr>
<td>EDU 314</td>
<td>Assessment of Learning</td>
<td>2 cr</td>
</tr>
</tbody>
</table>

BENCHMARK: Assessment Presentation

**C. Demonstrating Expertise in Practice Sequence (15 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>EDU 400</td>
<td>Seminar and Practicum III: Teaching Content</td>
<td>1 cr</td>
</tr>
<tr>
<td>EDU 402</td>
<td>Instructional Models and Strategies</td>
<td>3 cr</td>
</tr>
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</table>

EDU 404 Differentiation and Diagnostic Assessment ...........................................3 cr

EDU 410 Seminar and Practicum IV: Individualized Learning Design ..................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)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<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>

### Requirements for PK-12 Licensure Programs

#### Early Childhood – Adolescence: birth – age 21, grades PK4-12

**Music Education**

Students 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 students 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**
  - Same as listed above

- **Secondary Education Licensure Programs - Early Adolescence – Adolescence Licensure**
  - Same as listed above

- **PreK-12 Licensure Programs - Early Childhood – Adolescence**
  - Technology and Pre-Engineering

Currently IPED does not offer accelerated or alternative pathways to licensure at the elementary or secondary level. Post-baccalaureate students may enroll in an elementary or secondary licensure program at the undergraduate level; students must meet the same admission requirements as the undergraduate students; 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: 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
A major component of the program is the consideration of the significant accomplishments and learning candidates bring through an extensive prior learning assessment (PLA) process at our technical college partners and UW-Parkside. PLA can reduce the number of courses the candidate is required to take by determining that they have met the competencies for licensure through previous education or employment history. Students who have prior education or military coursework may request a review to determine possible equivalency of competencies. At a minimum, students 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. The review of coursework may take up to 30 days.

Required Education Courses under Option 1 (28 credits)

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>PDEV 380</td>
<td>Cultural Context for the 21st Century............</td>
<td>3 cr</td>
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<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>
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<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>
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Required Education Courses under Option 2 (28 credits)

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<th>Course Code</th>
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<td>TCED 391</td>
<td>Technological Literacy and Communication..........</td>
<td>3 cr</td>
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<td>TCED 392</td>
<td>Design for Learning I................................</td>
<td>3 cr</td>
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<tr>
<td>TCED 393</td>
<td>Design for Learning I Seminar.......................</td>
<td>3 cr</td>
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<td>TCED 394</td>
<td>Design for Learning II................................</td>
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<td>TCED 420</td>
<td>Student Teaching Seminar................................</td>
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<tr>
<td>TCED 425</td>
<td>Student Teaching......................................</td>
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</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 eduation.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 and faculty advisor regularly to ensure that they have the most current licensure information. Any changes made by the WI DPI after the publication of this catalog will still be required of the teacher candidate for licensure.

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, if applicable.
- Successful completion of the edTPA (effective September 1, 2015).
- A minimum cumulative GPA of 2.75 or above; 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
Students 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 students identify early in their pathway to licensure if they will be seeking initial licensure outside of Wisconsin. Students can reference the following...
website as a starting place for determining requirements of other states: www.uky.edu/education/tep/usacert.html.

**Add-on Licensure**

Current State of Wisconsin valid licensed teachers can add-on additional licensure areas. To add a license, our 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. Add-on licensure is administered through the advanced professional development programs within IPED. Because each individual case is different you must contact the advanced professional development program for specific information at (262)595-2753 or email educator.preparation@uwp.edu.

**Courses in the Educator Development Program (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.

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. Concurrent enrollment in EDU 211, 212. Freq: Fall, Spring.  
Teacher candidates will 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. Concurrent enrollment in EDU 210, 212. Freq: Fall, Spring.  
Explore 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. Concurrent enrollment in EDU 210, 211. 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.

300 **Seminar and Practicum I: The Learner and Learning** .................................1 cr  
**Prereq:** Admission to the educator preparation program and consent of the Institute. Concurrent with EDU 302, 304. Freq: Fall, Spring.  
Learning in seminar continues development of deep understanding of the professional knowledge base in education related to human learning and development and the professional design of effective learning progressions and environments. Candidates are introduced to models and strategies of instruction derived from specific theoretical perspectives on human learning, development, and difference as they apply in educational practice. Candidates apply understandings of learning theory and models to design developmentally and culturally appropriate learning for P-12 students in 40 contact hours of supervised and evaluated practicum experience.

302 **Learning and Developmentally Appropriate Design** .................................2 cr  
**Prereq:** Admission to the educator preparation program and consent of the Institute. Concurrent with EDU 300, 304. Freq: Fall, Spring.  
Develop deep understanding of complex interactions between individual development and difference, and learning. Examine theoretical understandings of the interactions between cognitive, linguistic, social, emotional and physical development that have impacts on individual student learning. Develop expertise in using theory- and research-based models of learning design to create developmentally appropriate experiences in specific academic subject areas. Implement and evaluate learning designs in the concurrent EDU 300 seminar and practicum experience.

304 **Context and Culture in Learning Environments** .................................2 cr  
**Prereq:** Admission to the educator preparation program and consent of the Institute. Concurrent with EDU 300, 302. 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. Critically examine the alignment between theory, practice and actual interactions in a diverse classroom setting, in the concurrent EDU 300 seminar and practicum experience.

310 **Seminar and Practicum II: Learning Design and Assessment** .................................1 cr  
**Prereq:** Admission to the educator preparation program and consent of the Institute. Concurrent with EDU 312, 314. Freq: Fall, Spring.  
Learning in seminar continues development of professional expertise in the areas of communication, critical reflective judgment and self-evaluation, and introduces the use of data in instructional design and decision making. Candidates are introduced to models and strategies of learning design and assessment derived from current theoretical perspectives on valid, reliable and meaningful design and evaluation of learning. Candidates apply understandings of 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:** Admission to the educator preparation program and consent of the Institute. Concurrent with EDU 310, 314. Freq: Fall, Spring.  
Develop deep understanding of current theory, concepts and principles, and models of instructional design. Apply this understanding to create learning progressions based on assessed student needs (e.g., academic, developmental, psycho-social, cultural preferences and norms, etc.) for both individual and group learning. Implement short-term academic content learning designs for P-12 students in the EDU 310 placement, and evaluate effectiveness in achieving learning outcomes.
314 Assessment of Learning.........................................................2 cr
Prereq: EDU 300, Admission to the educator preparation program and consent of the Institute. Concurrent with EDU 310, 312. Freq: Fall, Spring.
Develop initial understanding of theories of assessment and evaluation of learning, and examine models of classroom assessment design. Research and differentiate between approaches to classroom assessment, standardized achievement testing, psychometrics, and diagnostic assessments. Apply theories of assessment and evaluation to create a learner-centered assessment strategy for a short-term learning progression. Implement and value the assessment strategy in the concurrent EDU 310 seminar and practicum experience.

320 Family, School and Community Partnerships Seminar ..........1 cr
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.

321 Developmentally Appropriate Curriculum Design and Assessment.........................................................3 cr
Explores the philosophical, historical, and psychological foundations for elementary and middle school curriculum. Course content is aligned with the Common Core Curriculum.

322 Teaching and Assessing Strategies for Exceptional Learners.........................................................3 cr
Examines differentiated instruction for learners with special needs in general education environments. Introduces the co-teaching model and collaborative role of general and special educators in general education classrooms.

330 Seminar: Culturally Responsive Teaching.......................1 cr
Considers 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
Examines cultural, social, and community factors that influence all learners’ intellectual, social, linguistic, and emotional learning styles that make up their cultural attitudes and practices.

332 Foundations of Literacy.........................................................3 cr
Provides a basis of instructional literacy strategies, literacy materials, and assessment approaches in K-3 literacy education including phonemic awareness, phonics and spelling, vocabulary development, text structure, fluency, and reading comprehension.

333 Children's and Adolescent Literature and New Literacies ......3 cr
Teacher candidates explore and create lessons and activities that utilize children’s and adolescent literature and develop ways to evaluate and select appropriate materials for classroom reading instruction.

399 Independent Study............................................................1-6 cr
Prereq: Consent of the Institute. Freq: Fall, Spring, Summer.
Individual study of topics related to education.

400 Seminar and Practicum III: Teaching Content ......................1 cr
Prereq: EDU 310, Admission to the educator preparation program and consent of the Institute. Concurrent with EDU 402, 404. Freq: Fall, Spring.
Learning in the seminar will expand and deepen understanding of the professional knowledge base in education, and engage learners in a critical examination of practice as part of a formal learning community. Develop deep understanding of the interaction between pedagogical knowledge and pedagogical content knowledge in the enactment of effective, theory- and research-based instructional practice. Use appropriate instructional technology and understanding of learning, development and differentiation to design content-specific learning progressions. Practicum requires 60 contact hours of supervised and evaluated work in a diverse P-12 setting.

402 Instructional Models and Strategies.....................................3 cr
Prereq: EDU 310, Admission to the educator preparation program and consent of the Institute. Concurrent with EDU 400, 404. Freq: Fall, Spring.
Expand and deepen understanding of theory- and research-based instructional models and strategies, with emphasis on the connection between the neurophysiology of learning and development and discipline-specific instructional design models and strategies. Examine current models, strategies, and activities, including direct instruction, learning cycle, inquiry-based learning, problem-based learning, and collaborative learning, and review the assumptions about the neurophysiology and neuropsychology of learning on which they are founded. Apply this understanding to the design and evaluation of content-specific learning outcomes implemented in EDU 400.

404 Differentiation and Diagnostic Assessment..........................3 cr
Prereq: EDU 310, Admission to the educator preparation program and consent of the Institute. Concurrent with EDU 400, 402. Freq: Fall, Spring.
Expand and deepen understanding and application of theory- and research-based models of differentiation of instruction to meet diagnosed learning needs in the classroom. Includes opportunities to diagnose learning needs and differentiate instruction in the EDU 400 practicum. Analysis of case studies of diagnostic assessment and differentiation, including student learning outcomes and recommendations for practice.

410 Seminar and Practicum IV: Individualized Learning Design...2 cr
Prereq: EDU 400, Admission to the educator preparation program and consent of the Institute. Concurrent with EDU 412, 414. Freq: Fall, Spring.
Learning in seminar expands and deepens understanding of theory- and research-based design of individualized, differentiated, and culturally relevant learning experiences. Candidates conduct action research on the impact of developmentally appropriate, culturally relevant learning experiences on learning in a specific content area or of important cross-disciplinary knowledge and skill. Includes assessment of learning outcomes and use of instructional and discipline-specific technologies. Practicum requires 60 contact hours of supervised and evaluated work in a diverse P-12 setting.

412 Literacy Development.........................................................3 cr
Expand and deepen understanding of theory- and research-based models of literacy development in reading and writing, with an emphasis on literacy development in the academic content areas. Study the concept of multiple literacies (e.g., scientific literacy, mathematical literacy, social literacy). Candidates use student learning outcomes to evaluate the effectiveness of literacy development approaches used in practice in the EDU 410 practicum.

414 Culturally Relevant Pedagogy.............................................3 cr
Prereq: EDU 400, Admission to the educator preparation program and consent of the Institute. Concurrent with EDU 410, 412. Freq: Fall, Spring.
Expand and deepen understanding of theory of culturally-mediated learning and emergent models of culturally relevant pedagogy. Extensive review of the literature, case study analysis, and field-based research on culturally-relevant pedagogy in the EDU 410 practicum. Candidates will discuss relevant implications for learning posed by culturally-grounded perspectives on learning, including appropriate and valid academic content to be learned.
Teacher candidates will learn about the knowledge, skills, and dispositions necessary to teach developmental environmental science at the K-8 level.

**Elementary or Middle School Residency Seminar** ........................................ 2 cr
Prereq: Consent of the Institute and 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.

**Elementary or Middle School Residency** .................................................... 10 cr
Prereq: Consent of the Institute and 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.

**Independent Study** .................................................................................... 1-6 cr
Prereq: Consent of the Institute. Freq: Fall, Spring, Summer.
Individual study of advanced topics related to education.

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**Courses in the Technology and Pre-Engineering Program (TCED)**

**Technological Literacy and Communication** .............................................. 3 cr
Prereq: Consent of the Institute of Professional Educator Development.
Freq: Fall, Spring, 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 context 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.

**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 design 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.

**Design for Learning I Seminar** ................................................................. 3 cr
Prereq: Consent of the Institute of Professional Educator Development; TCED 392 or concurrent enrollment.
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; TCED 392, 393. 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; TCED 394 or concurrent enrollment. 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. Freq: Fall, Spring, Summer.
Individual study of topics related to Technology Education and Pre-Engineering.

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 Program:

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) 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 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.

Our Diversity Initiative
UW-Parkside's commitment to diversity is reflected in a curriculum that prepares students from all genders and all racial, ethnic, national, religious, and other marginalized groups to live in a pluralistic society.

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.

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.

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 www.uwp.edu/learn/departments/theatrearts and contact a department representative regarding program entry auditions.

Transfer students from other two- 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 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</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>THEA 010</td>
<td>Theatre Practicum I</td>
<td>1 cr</td>
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<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>
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<tr>
<td>THEA 124</td>
<td>Basic Acting</td>
<td>3 cr</td>
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<td>OR</td>
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<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>
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<td>OR</td>
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<tr>
<td>THEA 213</td>
<td>Assistant Director/Assistant Stage Manager</td>
<td>2 cr</td>
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<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</td>
<td>3 cr</td>
</tr>
<tr>
<td>THEA 357</td>
<td>Theatre History and Literature from 1915</td>
<td>3 cr</td>
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<tr>
<td>THEA 373</td>
<td>Scene Design I</td>
<td>3 cr</td>
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<td>OR</td>
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<td></td>
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<tr>
<td>THEA 383</td>
<td>Costume Design I</td>
<td>3 cr</td>
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<tr>
<td>THEA 495</td>
<td>Senior Seminar</td>
<td>3 cr</td>
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</tbody>
</table>

B. Choose One Option (9-24 credits)

Option I: Generalist Degree (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 (20-24 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 (20 credits)

   a. Required Courses (12 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>THEA 225</td>
<td>Acting II</td>
<td>3 cr</td>
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<tr>
<td>THEA 228</td>
<td>Voice for the Actor I</td>
<td>3 cr</td>
</tr>
<tr>
<td>THEA 314</td>
<td>Advanced Acting Practicum</td>
<td>3 cr</td>
</tr>
<tr>
<td>THEA 325</td>
<td>Acting III</td>
<td>3 cr</td>
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<td>OR</td>
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<tr>
<td>THEA 425</td>
<td>Acting IV</td>
<td>3 cr</td>
</tr>
</tbody>
</table>
2. Requirements for the Concentration in Design & Technology (24 credits)

a. Required Courses (15 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<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>
<tr>
<td>ART 125</td>
<td>Survey of World Art</td>
<td>3 cr</td>
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<td>OR</td>
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</tr>
<tr>
<td>ART 126</td>
<td>Modern and Contemporary Art, 1900 to the Present</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 331</td>
<td>Life Drawing</td>
<td>3 cr</td>
</tr>
<tr>
<td>THEA 312</td>
<td>Studio Designer/Lead Technician</td>
<td>3 cr</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>THEA 412</td>
<td>Main Stage Designer/Lead Technician</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

b. Elective Courses* (9 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>THEA 322</td>
<td>Makeup II</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 383</td>
<td>Costume Design I</td>
<td>3 cr</td>
</tr>
<tr>
<td>THEA 390</td>
<td>Special Topics in Theatre Arts: (Lighting and Sound Design II)</td>
<td>3 cr</td>
</tr>
<tr>
<td>THEA 483</td>
<td>Costume Design II</td>
<td>3 cr</td>
</tr>
<tr>
<td>THEA 373</td>
<td>Scenic Design I</td>
<td>3 cr</td>
</tr>
<tr>
<td>THEA 473</td>
<td>Scenic Design II</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

* 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)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>THEA 213</td>
<td>Assistant Director/Assistant Stage Manager</td>
<td>3 cr</td>
</tr>
<tr>
<td>THEA 313</td>
<td>Stage Management</td>
<td>3 cr</td>
</tr>
<tr>
<td>THEA 410</td>
<td>Directing II</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

b. Interdisciplinary Elective Courses (6 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 125</td>
<td>Survey of World Art</td>
<td>3 cr</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ART 126</td>
<td>Modern and Contemporary Art, 1900 to the Present</td>
<td>3 cr</td>
</tr>
<tr>
<td>SPCH 105</td>
<td>Public Speaking</td>
<td>3 cr</td>
</tr>
<tr>
<td>COMM 107</td>
<td>Communication and the Human Condition</td>
<td>3 cr</td>
</tr>
<tr>
<td>COMM 285</td>
<td>Introduction to Conflict Analysis and Resolution</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

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)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>THEA 010</td>
<td>Theatre Practicum I</td>
<td>2 cr</td>
</tr>
<tr>
<td>THEA 014</td>
<td>Acting Practicum</td>
<td>1 cr</td>
</tr>
<tr>
<td>THEA 110</td>
<td>Theatre Appreciation</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 II</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 363</td>
<td>Lighting and Sound Design I</td>
<td>3 cr</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>THEA 373</td>
<td>Scenic Design I</td>
<td>3 cr</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>THEA 383</td>
<td>Costume Design I</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

OR
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    |
## Courses in Theatre Arts (THEA)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
<th>Prerequisites</th>
<th>Frequency</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>010</td>
<td>Theatre Practicum I</td>
<td>1 cr</td>
<td>Consent of instructor</td>
<td>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 per week.</td>
</tr>
<tr>
<td>014</td>
<td>Acting Practicum</td>
<td>1-3 cr</td>
<td>Audition required or consent of instructor</td>
<td>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>
</tr>
<tr>
<td>110</td>
<td>Theatre Appreciation</td>
<td>3 cr</td>
<td>None</td>
<td>Fall, Spring, 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>
</tr>
<tr>
<td>112</td>
<td>Behind the Scenes</td>
<td>3 cr</td>
<td>None</td>
<td>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>
</tr>
<tr>
<td>117</td>
<td>Theatre Dance I</td>
<td>2 cr</td>
<td>None</td>
<td>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>
</tr>
<tr>
<td>121</td>
<td>Theatrical Makeup</td>
<td>2 cr</td>
<td>None</td>
<td>Spring</td>
<td>Basic principles and techniques of theatrical makeup. Field trips to theatrical productions; lab and additional fees required.</td>
</tr>
<tr>
<td>124</td>
<td>Basic Acting</td>
<td>3 cr</td>
<td>General Education Course, Arts and Humanities</td>
<td>Fall, Spring</td>
<td>Introduces students to basic acting and improvisation skills. Focuses on acting exercises, discussion, role-playing, story-telling and how these activities can improve communication, create flexibility, and introduce the non-actor to important interpretive and interpersonal skills. Field trips to theatrical productions; additional fees required.</td>
</tr>
<tr>
<td>125</td>
<td>Acting I</td>
<td>3 cr</td>
<td>Consent of instructor</td>
<td>Fall</td>
<td>Foundations of acting and script analysis based on methods of Stanislavski and Robert Cohen. Emphasis is on acting through doing. Includes exercises, monologues and scene work. Not available for audit. Intended for majors/minors. Field trips to theatrical productions; additional fees required.</td>
</tr>
<tr>
<td>132</td>
<td>Stagecraft</td>
<td>3 cr</td>
<td>Consent of instructor</td>
<td>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>
</tr>
<tr>
<td>133</td>
<td>Costumecraft</td>
<td>3 cr</td>
<td>Consent of instructor</td>
<td>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>
</tr>
<tr>
<td>142</td>
<td>Theatre in the City Field Trip</td>
<td>1 cr</td>
<td>Consent of instructor</td>
<td>Occasionally</td>
<td>Field trip allowing 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 content. May be taken with/without THEA 141. Additional fees required.</td>
</tr>
<tr>
<td>150</td>
<td>Text Analysis for the Theatre</td>
<td>3 cr</td>
<td>Consent of instructor</td>
<td>Fall</td>
<td>This introductory course in text analysis 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; additional fees required.</td>
</tr>
<tr>
<td>208</td>
<td>Multicultural Theatre in America</td>
<td>3 cr</td>
<td>ENGL 101</td>
<td>Occasionally</td>
<td>Examines African American, Asian American, Latino American and Native American cultures utilizes dramatic texts, live performance events and anthropological research as a means of exploring and understanding voices of diversity expressed on the American stage in the past 50 years. Field trips to theatrical productions; additional fees required. Cross-listed with ETHN 208.</td>
</tr>
<tr>
<td>212</td>
<td>Intermediate Technical Production</td>
<td>1-3 cr</td>
<td>THEA 010, 132, 133 and consent of instructor</td>
<td>Fall, Spring</td>
<td>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.</td>
</tr>
<tr>
<td>213</td>
<td>Assistant Director/Assistant Stage Manager</td>
<td>1-3 cr</td>
<td>THEA 132 and consent of instructor</td>
<td>Fall, Spring</td>
<td>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.</td>
</tr>
<tr>
<td>214</td>
<td>Intermediate Acting Practicum</td>
<td>1-3 cr</td>
<td>Audition, THEA 014 and consent of instructor</td>
<td>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>
</tr>
<tr>
<td>215</td>
<td>LGBTQ Representation on Stage and Screen</td>
<td>3 cr</td>
<td>None</td>
<td>Spring</td>
<td>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.</td>
</tr>
<tr>
<td>225</td>
<td>Acting II</td>
<td>3 cr</td>
<td>THEA 125 and consent of instructor</td>
<td>Spring</td>
<td>Intensification and deepening of an actor's skills. Emphasizes on the voice for performance. Articulation and voice projection will be stressed. Field trips to theatrical productions; additional fees required.</td>
</tr>
<tr>
<td>228</td>
<td>Voice for the Actor I</td>
<td>3 cr</td>
<td>THEA 125 and consent of instructor</td>
<td>Occasionally</td>
<td>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.</td>
</tr>
</tbody>
</table>
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 unarmed 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 .......................................................... 3 cr
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 .......................................................... 3 cr
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 basic furniture upholstery, wood grain and finishing, basic fabric dyeing and manipulation, mask making and some millinery. Field trips to theatrical productions; additional fees and materials required.

290 Special Topics in Theatre Arts ........................................ 1-4 cr
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 .................................... 1-6 cr
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 .................................................... 2 cr
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 ..................................................... 1-3 cr
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 ................................................................. 3 cr
Prereq: THEA 125, 132. 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 ............................... 1-5 cr
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 .................................................... 3-5 cr
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 ........................................ 1-3 cr
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 .......................................................... 3 cr
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 .............................................................. 1-3 cr
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 ............................................................ 3 cr
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 ................................................................. 3 cr
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 ................................................................. 3 cr
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, psychosocial, internal obstacles, etc.). Field trips to theatrical productions; additional fees required.

328 Voice for the Actor II .................................................. 3 cr
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.

341 Advance Theatre in the City ......................................... 1 cr
Prereq: Consent of instructor. Freq: Occasionally.
A study of plays, current productions, playwrights, actors and theatrical practices in selected cities. May be repeated with different content. May not be taken without THEA 342.

342 Advance Theatre in the City Field Trip ........................... 1 cr
Prereq: Consent of instructor Freq: Occasionally.
Field trip allowing 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 content. May be taken with or without THEA 341. Additional fees required.

345 Playwriting I .............................................................. 3 cr
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 .......................... 3 cr
Prereq: ENGL 101 and consent of instructor. Freq: Fall (even years).
This course provides learners a comprehensive overview of 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 which reveal the context for theatrical productions in a variety of cultures and periods through the study of selected play scripts, playwrights, production practices, performance structures, audience composition, and criticism. Field trips to theatrical productions; additional fees required.
<table>
<thead>
<tr>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>356 Theatre History and Literature from 1660 to 1915</td>
<td>3 cr</td>
<td>ENGL 101 and consent of instructor. Freq: Spring (odd years).</td>
<td>This course provides learners a comprehensive overview of key milestones in theatre history and literature from 1660 to 1915. Included in the course will be a study of primary and secondary historical sources which reveal the context for theatrical productions in a variety of cultures and periods through the study of selected play scripts, playwrights, production practices, performance structures, audience composition, and criticism. Field trips to theatrical productions; additional fees required.</td>
</tr>
<tr>
<td>357 Theatre History and Literature from 1915 to Today</td>
<td>3 cr</td>
<td>ENGL 101 and consent of instructor. Freq: Fall (odd years).</td>
<td>This course provides learners a comprehensive overview of key milestones in theatre history and literature from 1915 to today. Included in the course will be a study of primary and secondary historical sources which reveal the context for theatrical productions in a variety of cultures and periods through the study of selected play scripts, playwrights, production practices, performance structures, audience composition, and criticism. Field trips to theatrical productions; additional fees required.</td>
</tr>
<tr>
<td>363 Lighting and Sound Design I</td>
<td>3 cr</td>
<td>THEA 132, 185; or consent of instructor. Freq: Spring (odd years).</td>
<td>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.</td>
</tr>
<tr>
<td>373 Scenic Design I</td>
<td>3 cr</td>
<td>THEA 132 and consent of instructor. Freq: Fall (odd years).</td>
<td>Explores Sosnic 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.</td>
</tr>
<tr>
<td>383 Costume Design I</td>
<td>3 cr</td>
<td>THEA 133 and consent of instructor. Freq: Fall (even years).</td>
<td>Examines the costume design process including theory, historical research and rendering styles. Field trips to theatrical productions; lab and additional fees required.</td>
</tr>
<tr>
<td>385 Portfolio Development</td>
<td>3 cr</td>
<td>THEA 295, consent of instructor. Freq: Occasionally.</td>
<td>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.</td>
</tr>
<tr>
<td>390 Special Topics in Theatre Arts</td>
<td>1-4 cr</td>
<td>consent of instructor. Freq: Occasionally.</td>
<td>Selected topics in theatre will be examined. Field trips to theatrical productions; additional fees required.</td>
</tr>
<tr>
<td>410 Directing II</td>
<td>3 cr</td>
<td>THEA 310 and consent of instructor. Freq: Spring.</td>
<td>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.</td>
</tr>
<tr>
<td>412 Main Stage Designer / Lead Technician</td>
<td>1-5 cr</td>
<td>THEA 312 and consent of instructor. Freq: Fall, Spring.</td>
<td>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.</td>
</tr>
<tr>
<td>425 Acting IV</td>
<td>3 cr</td>
<td>THEA 325 and consent of instructor. Freq: Spring.</td>
<td>Focuses 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.</td>
</tr>
<tr>
<td>426 Acting for Music Theatre</td>
<td>3 cr</td>
<td>THEA 125 and consent of instructor. Freq: Occasionally.</td>
<td>This course is an introduction to styles of acting for the musical theatre, including exercises, improvisations, scene and vocal work. Field trips to theatrical productions; additional fees required.</td>
</tr>
<tr>
<td>445 Playwriting II</td>
<td>3 cr</td>
<td>THEA 345. Freq: Occasionally.</td>
<td>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.</td>
</tr>
<tr>
<td>473 Scenic Design II</td>
<td>3 cr</td>
<td>THEA 373. Freq: Spring (even years).</td>
<td>Explores Intermediate study of special problems in costume research and theory, plus projects in costume design. Field trips to theatrical productions; lab and additional fees required.</td>
</tr>
<tr>
<td>483 Costume Design II</td>
<td>3 cr</td>
<td>THEA 383 and consent of instructor. Freq: Fall (even years).</td>
<td>Intermediate study of special problems in costume research and theory, plus projects in costume design. Field trips to theatrical productions; lab and additional fees required.</td>
</tr>
<tr>
<td>490 Special Topics in Theatre Arts</td>
<td>1-4 cr</td>
<td>Consent of instructor. Freq: Occasionally.</td>
<td>Selected topics in theatre arts will be examined. Field trips to theatrical productions; additional fees required.</td>
</tr>
<tr>
<td>494 Professional Theatre Internship</td>
<td>1-12 cr</td>
<td>Consent of instructor and department chair. Freq: Fall, Spring, Summer.</td>
<td>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.</td>
</tr>
<tr>
<td>495 Senior Seminar</td>
<td>3 cr</td>
<td>Consent of instructor. Freq: Fall.</td>
<td>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.</td>
</tr>
<tr>
<td>499 Independent Study</td>
<td>1-6 cr</td>
<td>Consent of instructor and department chair. Freq: Fall, Spring, Summer.</td>
<td>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.</td>
</tr>
</tbody>
</table>

### Courses in Speech Studies (SPCH)

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>105 Public Speaking</td>
<td>3 cr</td>
<td>None. Freq: Fall, Spring, Summer.</td>
<td>Fundamentals of speech composition, style, and delivery. Practical experience in informative, persuasive, and special occasion speaking. Not available for audit.</td>
</tr>
<tr>
<td>290 Special Topics in Speech Studies</td>
<td>3 cr</td>
<td>Varies with topic. Freq: Occasionally.</td>
<td>Selected topics related to speech will be examined.</td>
</tr>
<tr>
<td>299 Independent Study</td>
<td>1-3 cr</td>
<td>SPCH 105; consent of instructor and program director. Freq: Fall, Spring.</td>
<td>Individual investigation of selected practices and issues related to speech studies.</td>
</tr>
</tbody>
</table>
305 Advanced Presentation Skills for College and Career...........3 cr
Prereq: SPCH 105. Freq: Spring.
Develop advanced mastery of theory and practice of speech presentation.

390 Special Topics in Speech Studies ........................................3 cr
Prereq: Varies with topic. Freq: Occasionally.
Advanced selected topics related to speech studies will be examined.

490 Special Topics in Speech Studies ........................................3 cr
Prereq: Varies with topic. Freq: Occasionally.
Advanced selected topics related to speech studies will be examined.

499 Independent Study.............................................................. 1-3 cr
Prereq: SPCH 105, junior standing, consent of instructor and program director. Freq: Fall, Spring.
Individual investigation of selected practices and issues related to speech studies will be explored.
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 for 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 2015-17 CATALOG

RITA/CART 221 • 262-595-2609

College
Arts and Humanities

Programs Offered:
Minor - Women’s, Gender and Sexuality Studies

UW-Parkside offers a concentration in women’s, gender and sexuality studies through the liberal studies major. This major draws upon existing UW-Parkside courses, and students may also receive credit for appropriate transfer courses, distance education courses, and credit for experiential learning.

UW-Parkside also offers a minor in women’s studies through the Center for Women’s, Gender and Sexuality Studies. Interested students should consult the director of the Liberal Studies Program for the major and the director of the Center for Women’s, Gender and Sexuality Studies for the minor.

Affiliated Organizations:
The Women’s Center, Wyllie Concourse, 262-595-2170; The Status of Women Committee, 262-595-2592; LGBTQ Resource Center, 262-595-2456

Career Possibilities
Nonprofit organizations, business, human resources, creative arts, education, government, health, journalism, law, medicine and social work, especially pertaining to issues of gender and sexuality. Graduate school with emphasis in the humanities, social sciences or the professions. Many careers are strengthened and enhanced by a minor in women’s studies. Students are encouraged to discuss career options early with the program director and to consider internships and other activities which allow them to explore career possibilities.

Program Overview
The Center for Women’s, Gender and Sexuality Studies provides an interdisciplinary program that draws upon all departments in the university to provide a systematic analysis of gender roles, sexual identity, and women’s experiences in society. Its goal is to provide insights and generate activities that will lead to a better understanding of gender roles and sexual identity, improve the position of women, and transform society in the process. In such courses, women’s positions are often analyzed relative to those of men, and these courses are relevant for both women and men who are seeking a fuller understanding of the past, present and future social trends.

These six learning objectives should guide students’ selection of elective courses and guide their approach to the work they do in their course study.

1. Analysis: The ability to read and interpret gendered elements of verbal and nonverbal tests and imagery.
2. Communication: The ability to perceive gender bias in language choices and rhetorical strategies, and to communicate effectively using the media of the 21st century.
3. Ethics and Social Justice: The ability to recognize social injustice, inequality, and discrimination, particularly in regard to gender, and to expose and articulate options for change.
4. History, Culture, and Society: The ability to recognize patterns in past events and see their impact on the status of women and the construction of gender roles.
5. Critical Thinking: The ability to analyze how value systems shape human knowledge with respect to gender.
6. Interdisciplinarity: The ability to make deliberate connections among various academic disciplines, to comprehend and participate in more than one discipline.

Students electing the women’s, gender and sexuality studies concentration in the liberal studies major or the women’s, gender and sexuality studies minor may combine it with any major to give those students enhanced knowledge of gender issues within their major area. Graduates have found jobs in the community that focus on women’s issues such as program coordinator, program director, counselor, etc., in organizations dedicated to women’s issues. In addition, students have often been able to redirect the focus of existing organizations to address the needs of women, which are often neglected.

Preparation for Graduate School
Students who graduate with this minor can go on to professional and graduate programs in law, sociology, humanities, medicine and health, theology and other fields. Consult the director for further information to develop a plan of study.

Internships
Internships and applied experiences in other courses or independent study projects are encouraged. These experiences assist students in evaluating developing skills for possible job settings and for community organizing.
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. Required Core Courses (9 credits)

Choose one from each of the following:

1. Required Course (3 credits)

   WGSS 110  Introduction to Women's, Gender and Sexuality Studies .................... 3 cr

2. Choose One (3 credits)

   WGSS/
   ENGL 112  Women in Literature ..................... 3 cr
   OR
   WGSS/
   SOCA 213  Gender and Society ..................... 3 cr
   OR
   WGSS/
   HIST 236  Women in Modern Society ................ 3 cr

3. Choose One (3 credits)

   WGSS/
   COMM 463  Gender, Race, Class and Sexualities in Media ..................... 3 cr
   OR
   WGSS 494  Internship in Women's, Gender and Sexuality Studies ............... 1-6 cr
   OR
   WGSS 495  Women's, Gender and Sexuality Studies Seminar .................... 3 cr
   OR
   WGSS 497  Women's, Gender and Sexuality Studies Senior Thesis ................ 3 cr
   OR
   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  British Women Novelists ..................... 3 cr
   ENGL 464  Studies in Cultural Trends: Gay and Lesbian Literature ............. 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
   POLS/
   WGSS 203  Women, Power and Politics ..................... 3 cr
   SOCA/
   PSYC 280/380  Psychology of Gender ..................... 3 cr
   WGSS 213  Gender and Society ..................... 3 cr
   SOCA/
   WGSS 367  LGBTQ Studies ..................... 3 cr
   SOCA 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 321  Women's Health Issues ..................... 1-4 cr
   HESM 330  Sport in Society ..................... 3 cr
   SOCA 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 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 course 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: WGSS 110, SOCA 100 or 101. 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 Sexuality in Media ...................3 cr
Prereq: Junior standing or consent of instructor. Freq: Fall.
Examines 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 ..................................3 cr
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 ....3 cr
Prereq: Varies by topic. Freq: Occasionally.
Selected topics in women's gender and sexuality studies.

494 Internship in Women's, Gender and Sexuality Studies ....1-6 cr
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 ............3 cr
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 .......3 cr
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 ...................................................... 1-3 cr
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.
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.), 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; these are provided 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. Student 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 other countries whose native language is not English are required to provide evidence of English language competence, normally by presenting a degree from an English-speaking university or satisfactory scores on the Test of English as a Foreign Language (TOEFL), administered through Educational Testing Service, Princeton, N.J. 08540 or the International English Language Testing System (IELTS), as part of the admissions application. As a general rule, applicants with a TOEFL computer based score of 213 or Internet based score of 79 are considered to have adequate English ability; those below 213 or 79 will be reviewed more carefully because they may encounter some difficulties with the English language and will usually be asked to complete further study of English before an admission decision can be made.

All students needing student visas to enter or remain in the United States while studying at UW-Parkside must complete additional forms. All forms must be in by May 1 for September admission or November 1 for January admission. International students must be aware that if their visa requires them to be a full-time student, then they should confirm that their graduate program would accommodate a full-time schedule.

Undergraduate Students in Graduate Courses

Graduate credit is available only to those who have been admitted as graduate students or to seniors admitted to a joint graduate/undergraduate status. Certain courses have two numbers, depending on whether they are taken for undergraduate or graduate credit. Under special circumstances, undergraduates in their last year may be admitted to courses offered for graduate students, subject to prior approval by their advisor, the course instructor, head of the graduate program, and the graduate dean. Credits earned in the graduate course will count toward the 120 undergraduate credits required for a bachelor's degree. Students who have earned credits in excess of the number needed for a bachelor's degree may petition a graduate program to accept these courses at the time of admission to a graduate program.

Transfer of Graduate Credit

Applicants who have taken graduate courses at another institution must submit official transcripts of this work as part of their credentials. UW-Parkside will accept no more than 12 graduate credits earned at another regionally accredited institution. 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 an 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."

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 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 Rights and Education Act of 1974 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 webpage for more information about how to order a transcript.

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.

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.

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 Graduate Studies Committee. Granting of requests by the Graduate Studies Committee is not automatic. A student should not assume that his/her request would 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.)
Fees for Dropping a Course

After the 10th day of classes, as student will be charged a per credit fee for dropping classes. The Office of the Registrar will determine the comparable deadlines for courses with 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.

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.

Course Listings

To aid in advising and planning class schedules, each course description in the catalog reflects its intended frequency of offering. Because programs may sometimes need to alter their schedules, students should consult their adviser and the current course schedule for the latest information.

Withdrawal from the University

A student may withdraw from the university 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. 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. Any such request must be submitted to the student's program office. The request must include a written explanation of the circumstances leading to the request. Requests will be reviewed periodically by the Graduate Studies Committee. Granting of requests by the Graduate Studies Committee is not automatic. A student should not assume that his/her request will be granted.

Leave Status

Students who do not complete any graduate course 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 form class may be excused only by the instructor. Consult the course syllabus for proper procedures for notifying the instructor in case of emergency.

Absences 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 enhance students' educational experience. 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 student 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 policie
• 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 o
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 school. 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 ju-
niors and seniors).
500-699 Courses that carry graduate credit but which
can be paired with undergraduate courses.
700-799 Master’s level graduate courses, open to gradu-
ate students only.

In cases in which both undergraduate and graduate courses
meet together, dual numbering (slash courses) is permissible;
300 and 500 numbers and 400 and 600 numbers are commonly associated with each other. In these cases the faculty take care to ensure that their graduate course is appropriately demanding of its students (e.g., extra work demanded for graduate credit).

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>Grade</th>
<th>1 cr</th>
<th>2 cr</th>
<th>3 cr</th>
<th>4 cr</th>
<th>5 cr</th>
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<td>8.00</td>
<td>12.00</td>
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<td>20.00</td>
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<td>7.34</td>
<td>11.01</td>
<td>14.68</td>
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<td>6.66</td>
<td>9.99</td>
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</tr>
<tr>
<td>B-</td>
<td>2.67</td>
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</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>
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<td>8.00</td>
<td>10.00</td>
</tr>
<tr>
<td>C-</td>
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<td>5.01</td>
<td>6.68</td>
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</tr>
<tr>
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<td>3.00</td>
<td>4.00</td>
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<td>2.01</td>
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</tr>
<tr>
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<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 does not attempt the competency set. This grade is permanent during an individual subscription period 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 master's 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 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 master's 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).

**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 may make an appeal to the Graduate Studies 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.

**Access to Student Records (FERPA)**

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 the 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.
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 Course</th>
<th>Graduate Course</th>
<th>Undergraduate Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>College Algebra</td>
<td>Graduate Course for Business Decisions (2 cr)</td>
<td>MATH 112 (4 cr)</td>
</tr>
<tr>
<td>MBA 501</td>
<td>Accounting Foundation for Business Decisions (2 cr)</td>
<td>ACCT 201 (3 cr)</td>
</tr>
<tr>
<td>MBA 511</td>
<td>Statistical Analysis Foundations (2 cr)</td>
<td>QM 210 (3 cr)</td>
</tr>
<tr>
<td>MBA 515</td>
<td>Operations Management Foundation (2 cr)</td>
<td>QM 319 (3 cr)</td>
</tr>
<tr>
<td>MBA 521</td>
<td>Management Information Systems in Business (2 cr)</td>
<td>MIS 320 (3 cr)</td>
</tr>
<tr>
<td>MBA 531</td>
<td>Fundamentals of Managerial Finance (2 cr)</td>
<td>FIN 330 (3 cr)</td>
</tr>
<tr>
<td>MBA 541</td>
<td>Organizational Management Foundation (2 cr)</td>
<td>MGT 349 (3 cr)</td>
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<td>MBA 551</td>
<td>Marketing Analysis Foundation (2 cr)</td>
<td>MKT 350 (3 cr)</td>
</tr>
<tr>
<td>MBA 560</td>
<td>Microeconomics Foundation (1 cr)</td>
<td>ECON 120 (3 cr)</td>
</tr>
<tr>
<td>MBA 561</td>
<td>Macroeconomics Foundation (1 cr)</td>
<td>ECON 121 (3 cr)</td>
</tr>
</tbody>
</table>
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>
<th>Semester</th>
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</thead>
<tbody>
<tr>
<td>MBA 702</td>
<td>Managerial Accounting</td>
<td>2 cr</td>
<td>Spring</td>
</tr>
<tr>
<td>MBA 712</td>
<td>Quantitative Methods</td>
<td>2 cr</td>
<td>Fall</td>
</tr>
<tr>
<td>MBA 715</td>
<td>Advanced Operations Management</td>
<td>2 cr</td>
<td>Spring</td>
</tr>
<tr>
<td>MBA 716</td>
<td>Project Management</td>
<td>2 cr</td>
<td>Fall</td>
</tr>
<tr>
<td>MBA 732</td>
<td>Corporate Financial Management</td>
<td>2 cr</td>
<td>Fall</td>
</tr>
<tr>
<td>MBA 741</td>
<td>Contemporary Challenges in Managing Organizations</td>
<td>2 cr</td>
<td>Spring</td>
</tr>
<tr>
<td>MBA 752</td>
<td>Marketing Management</td>
<td>2 cr</td>
<td>Fall</td>
</tr>
<tr>
<td>MBA 796*</td>
<td>Advanced Strategic Management</td>
<td>2 cr</td>
<td>Fall, Spring</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>
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</thead>
<tbody>
<tr>
<td>MBA 718</td>
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<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>
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<tr>
<td>MBA 727</td>
<td>Business Process Redesign and Improvement</td>
<td>2 cr</td>
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<td>MBA 733</td>
<td>Investments</td>
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<td>MBA 738</td>
<td>Investment Portfolio Management</td>
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<tr>
<td>MBA 743</td>
<td>Emotional Intelligence</td>
<td>2 cr</td>
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<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-LaCrosse, 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. A completed application (available online) and a non-refundable application fee;

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)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
<th>Prerequisite(s)</th>
<th>Frequency(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>501</td>
<td>Accounting Foundation for Business Decisions</td>
<td>2</td>
<td>MATH 112, MBA 511, and computer competency</td>
<td>Fall, Spring</td>
</tr>
<tr>
<td>511</td>
<td>Statistical Analysis Foundations</td>
<td>2</td>
<td>MATH 112 and computer competency</td>
<td>Fall</td>
</tr>
<tr>
<td>515</td>
<td>Operations Management Foundation</td>
<td>2</td>
<td>MATH 112, MBA 511, and computer competency</td>
<td>Fall, Spring</td>
</tr>
<tr>
<td>521</td>
<td>Management Information Systems in Business</td>
<td>2</td>
<td>MBA 501</td>
<td>Fall, Spring</td>
</tr>
<tr>
<td>531</td>
<td>Fundamentals of Managerial Finance</td>
<td>2</td>
<td>MBA 501</td>
<td>Fall, Spring</td>
</tr>
<tr>
<td>541</td>
<td>Organizational Management Foundation</td>
<td>2</td>
<td>None</td>
<td>Fall, Spring</td>
</tr>
<tr>
<td>551</td>
<td>Marketing Analysis Foundation</td>
<td>2</td>
<td>Math competence</td>
<td>Fall, Spring</td>
</tr>
<tr>
<td>560</td>
<td>Microeconomics Foundation</td>
<td>1</td>
<td>None</td>
<td>Fall, Spring</td>
</tr>
<tr>
<td>561</td>
<td>Macroeconomics Foundation</td>
<td>1</td>
<td>Math competence</td>
<td>Fall, Spring</td>
</tr>
<tr>
<td>702</td>
<td>Managerial Accounting</td>
<td>2</td>
<td>MBA 501</td>
<td>Fall, Spring</td>
</tr>
<tr>
<td>703</td>
<td>Business Analysis and Valuation</td>
<td>2</td>
<td>MBA 501</td>
<td>Occasionally</td>
</tr>
<tr>
<td>712</td>
<td>Quantitative Methods</td>
<td>2</td>
<td>MATH 112, MBA 511, and computer competency</td>
<td>Fall</td>
</tr>
</tbody>
</table>
713 Decision Analysis ................................................................. 2 cr
Prereq: MBA 712. Freq: Occasionally.
Analysis of difficult decisions using mathematical modeling and sensitivity analysis; the techniques covered include decision trees, simulation, expected utility and multi-attribute utility.

715 Advanced Operations Management ..................................... 2 cr
Prereq: MBA 511, 515. Freq: Spring.
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.

716 Project Management .......................................................... 2 cr
Prereq: MBA 501, 511. Freq: Fall.
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.

718 Global Supply Chain Management ...................................... 2 cr
Prereq: MBA 515, 712. Freq: Occasionally.
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.

723 IT Tools for Managers ....................................................... 2 cr
Prereq: MBA 521. Freq: Occasionally.
The use of IT tools within a management context including data gathering and analysis tools; presentation software; and decision support systems.

724 Website Development ....................................................... 2 cr
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.

725 E-commerce ........................................................................ 2 cr
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.

726 Globalization and Technology ............................................ 2 cr
Prereq: None. Freq: Occasionally.
Describes the issues related to international information systems and reviews the possible solutions that lead to successful international applications.

727 Business Process Redesign and Improvement ...................... 2 cr
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.

728 Database Systems Development.......................................... 2 cr
Prereq: None. Freq: Occasionally.
Database querying, design, creation, developing applications and reports.

732 Corporate Financial Management ...................................... 2 cr
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.

733 Investments ...................................................................... 2 cr
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.

735 International Financial Management ................................... 2 cr
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; 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.

736 Investment Portfolio Management ..................................... 2 cr
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.

741 Contemporary Challenges in Managing Organizations ......... 2 cr
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 ....... 2 cr
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: Depends on instructor and specific course subject.
Freq: Occasionally.
Taught by an executive level 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 studies 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 Research ................................ 2 cr
Prereq: MBA 551. Freq: Occasionally.
Apply multidisciplinary approach to researching 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 buyer behavior and personal selling are covered pertinent to individuals, households, businesses, and other institutions. Emphasis is on development of the buyer and seller 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 relations, the environment and consumer protection.

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.

786 Strategic Human Resource Management ............... 2 cr
Prereq: MBA 541. Freq: Occasionally.
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.

787 Staffing Organizations ................................... 2 cr
Prereq: MBA 541, 712. Freq: Occasionally.
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).

788 Improving Employee Performance ..................... 2 cr
Prereq: MBA 541. Freq: Occasionally.
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.

790 Special Topics ............................................. 1-3 cr
Prereq: Dependent on subject matter. Freq: Occasionally.
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.

792 Business Projects ......................................... 2 cr
Prereq: MBA 716 or consent of instructor. Freq: Occasionally.
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.

793 Competitive Decision Making .......................... 2 cr
Prereq: MBA 702. Freq: Spring.
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&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.

794 Internship ................................................... 1-3 cr
Prereq: Consent of instructor. Freq: Fall, Spring.
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.

796 Advanced Strategic Management ........................ 2 cr
Prereq: Any four of these five courses: MBA 702, 715, 732, 741, and 752. Freq: Fall, Spring.
Focus on strategic management as an essential function for all types of organizations and firms; the course and study of advanced strategic management concepts are emphasized in this capstone course, particularly business-level and corporate-level strategy formulation, implementation, and control.

799 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.
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: two semesters of calculus, or one semester of calculus and one semester of discrete mathematics or probability.

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
To be considered for a fall semester entrance into the program, completed applications need to be submitted by February 1st. To be considered for a spring entrance into the program, completed applications need to be submitted by September 1st.

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 vitae.*
7. Three letters of recommendation.* All submitted letters much 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 students are required to meet the additional requirements in the section below.

**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. A completed online Application for Graduate International Student Admission.
6. Original bank statement or bank letter documenting sufficient funds for one year of study. Photocopies and FAX cannot be accepted.
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 institution 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 cedit 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. Required Core Courses (7 credits)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOS 675</td>
<td>Advanced Molecular Biology ..........</td>
<td>3 cr</td>
</tr>
<tr>
<td>BIOS 731</td>
<td>Seminar in Molecular Biology .......</td>
<td>4 cr</td>
</tr>
</tbody>
</table>
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 680  Bioinformatics Programming* ............... 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

503 Microbiology ......................................................... 4 cr
Prereq: BIOS 260 or consent of instructor. Freq: Spring.
Advanced treatment of the structure, growth and activities of microorganisms including medical microbiology, microbial pathogenesis, and environmental microbiol. Three-hour lecture; three-hour lab.

509 Molecular Biology ................................................... 3 cr
Prereq: BIOS 260, CHEM 322 or consent of instructor. Freq: Spring.
Regulation of DNA, RNA, and protein synthesis and the control of the synthesis of other macromolecules. Three-hour lecture/discussion.

611 Microbial Physiology and Diversity .................................. 3 cr
Prereq: BIOS 303 or consent of instructor. Freq: Alternate years.
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.

614 Molecular Evolution .................................................. 3 cr
Prereq: BIOS 309 or 314, or consent of instructor. Freq: Occasionally.
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.

653 Molecular Biology and Bioinformatics of Nucleic Acids ........ 4 cr
Prereq: BIOS 260, 309, and consent of instructor. Freq: Fall.
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.

655 Protein Biochemistry and Bioinformatics .......................... 4 cr
Prereq: BIOS 260, 309, and consent of instructor. Freq: Spring.
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.

675 Advanced Molecular Biology ........................................ 3 cr
Prereq: BIOS 260, 309 or 509; and consent of instructor.
Freq: Alternate year.
In-depth coverage of selected research topics in molecular biology including DNA replication, transcription, translation, and other current topics. Three-hour lecture.

680 Bioinformatics Programming ....................................... 4 cr
Prereq: BIOS 260, 309 (or 509), and consent of instructor.
Freq: Occasionally.
This course focuses on implementation of programming languages, data structures, and data management strategies for bioinformatics applications. Lectures and computer-based exercises emphasize both theory and analysis of genomic and proteomic data. Three-hour lecture; three-hour lab.

690 Advanced Topics in Molecular Biology ......................... 1-4 cr
Prereq: BIOS 260, 309 or 509; and consent of instructor.
Freq: Occasionally.
Selected advanced topics in molecular biology.

699 Independent Study .................................................. 1-3 cr
Prereq: Consent of instructor. Freq: Fall, Spring.
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.

711 Thesis .................................................................. 1-9 cr
Prereq: Consent of instructor. Freq: Fall, Spring.
Dissertation for master of science in applied molecular biology. Graded on a credit/no-credit basis.

731 Seminar in Molecular Biology ...................................... 1 cr
Prereq: BIOS 309 (or 509) and consent of instructor.
Freq: Fall, Spring.
Research reports, special topics, and reports from recent literature in molecular biology or biotechnology. Graded on a credit/no-credit basis.

Chemistry (CHEM) Courses in Applied Molecular Biology

620 Advanced Biochemistry ............................................. 3 cr
Prereq: BIOS 240 or CHEM/BIOS 307 or CHEM 324 or consent of instructor. Freq: Spring (even years).
Advanced topics in biochemistry including thermodynamics, protein structure, and enzyme kinetics and mechanisms. Not open to students with credit in CHEM 410.
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 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 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 cybersecurity. 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)

- Probability statistics (waived with a grade of C or better in an undergraduate or graduate equivalent course)
  QM 210 or CSCI 309 ....................................................3 cr

- Database management (waived with a grade of C or better in an undergraduate or graduate equivalent course)
  MIS 328 or CSCI 380 ....................................................3 cr

- Computer systems/data communications (waived with a grade of C or better in an undergraduate or graduate equivalent course)
  MIS 327 or CSCI 477 or CSCI 370.................................3 cr

- 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.
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 .......................5 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 375 UNIX System Administration .....................3 cr

B. Required 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, depending on knowledge area:

CIS 626 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 626 or 774.

C. Knowledge Area Courses (15 credits)

The 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. (5-6 credits) Students must complete at least one additional course in software development and one additional course in information technology management.

2. (9-10 credits). 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.

A course cannot be used to satisfy the requirements in more than one category. The classes must be approved by the MSCIS adviser. A maximum of two 500-level courses and/or two independent studies courses will be accepted for the graduate degree.

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 – Design ...............3 cr
CIS 677 Computer Communications and Networks ....3 cr
CIS 680 Advanced Databases ............................3 cr
CIS 745 Web Programming ...............................3 cr

Information Technology Management

CIS 624 Advanced Business Data Communications ....3 cr
CIS 626 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 ..........3 cr
MBA 715 Advanced Operations Management ............2 cr

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

Cyber-Security

CIS 624 Advanced Business Data Communications 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

Research and Modeling Methods (min. 2 credits)

MBA 712 Quantitative Methods .........................2 cr
MBA 713 Decision Analysis ...............................2 cr
CIS 777 Business Simulation and Modeling .............2 cr
CIS 781 Modeling and Optimization Methods ............3 cr
CIS 690 Special Topics in CIS (related to research or modeling) ..3 cr
CIS 790 Advanced Topics in CIS (related to research or modeling) .3 cr

Admission Requirements and Application Procedure

To qualify for admission into the MSCIS program, an applicant must submit to the computer science department office

MSCIS Program
Computer Science Department
University of Wisconsin-Parkside
900 Wood Road
P.O. Box 2000
Kenosha WI 53141-2000
1. A completed application form, along with the application fee payment. The application form can be found online at: https://apply.wisconsin.edu/

2. Official transcripts of all undergraduate and graduate course work, sent directly to the computer science department 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 GM T 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.

4. A letter of application outlining the applicant’s professional goals.

5. Two letters of recommendation sent directly to the computer science department 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 program faculty, students with minor deficiencies in items 2 and 3 may be conditionally accepted into the MSCIS 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 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.

Master of Science in Computer and Information Systems Courses (CIS)

523 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.  
Not open to those with credit in CSCI 323.

533 Programming Languages .................................................. 3 cr  
Prereq: CSCI 242 and consent of instructor.  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.  
Not open to those with credit in CSCI 333.

540 Data Structures and Algorithm Design .................................... 3 cr  
Prereq: CSCI 242 with B or better, or consent of instructor.  
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.  
Not open to those with credit in CSCI 340.

570 Operating Systems ............................................................ 3 cr  
Prereq: CSCI 242 with B or better.  Freq: Fall.  
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.

605 Artificial Intelligence ......................................................... 3 cr  
Prereq: CSCI 333 or CIS 533 or consent of instructor.  
Freq: Occasionally.  
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.

609 Human-Computer Interfaces ............................................... 3 cr  
Prereq: Consent of instructor.  Freq: Occasionally.  
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.

620 Computer Graphics .......................................................... 3 cr  
Prereq: CS 340 or CIS 540 or consent of instructor.  
Freq: Occasionally.  
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.

621 Computer Vision .............................................................. 3 cr  
Prereq: CSCI 340 or 333; or CIS 540 or 533.  Freq: Occasionally.  
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.

622 Multimedia Systems ........................................................ 3 cr  
Prereq: Consent of instructor.  Freq: Occasionally.  
Principles and design of multimedia systems; implementation of multimedia algorithms; current multimedia technologies.  
Not open to those with credit in CSCI 422.
623 Mobile Development II
Prereq: C or better in CSCI 323 or CIS 523; 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. Not open to those with credit in CSCI 423.

624 Advanced Business Data Communications
Prereq: MIS 327 or CSCI 477. Freq: Fall. 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.

625 System Analysis and Design
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.

626 Information Systems Policy and Strategy
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.

640 Compiler Design and Implementation
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
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 scarce resources, critical chain and critical path, resource leveling, monitoring the project costs, evaluating and terminating a project. Not open to those with credit in PMGT 441.

642 Project Management Simulation
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
Prereq: CS 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
Prereq: CSCI 242 or consent of instructor. 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
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
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
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
Prereq: B or better in CSCI 242 or CSCI 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
Prereq: MIS 327 or CSCI 370 or 375. 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

690 Special Topics in CIS
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
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
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.

727 Business Process Redesign and Improvement
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. Emphasis will be placed on both understanding where each type of system is used in modern industry and on designing and developing programs in each.

777 Business Simulation and Modeling ................................. 3 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 how to make appropriate business decisions.

779 Information Systems Security ....................................... 3 cr
Prereq: CSCI 242 and 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 SUSTAINABLE MANAGEMENT

UW-PARKSIDE 2015-17 CATALOG

College:
College of 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:

- 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.

Core Courses (24 credits)

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<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>SMGT 700</td>
<td>Cultural and Historical Foundations of Sustainability .................. 3 cr</td>
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<tr>
<td>SMGT 710</td>
<td>The Natural Environment .................................................................. 3 cr</td>
</tr>
<tr>
<td>SMGT 720</td>
<td>Applied Research and the Triple Bottom Line ................................ 3 cr</td>
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<tr>
<td>SMGT 730</td>
<td>Policy, Law, and the Ethics of Sustainability .............................. 3 cr</td>
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<tr>
<td>SMGT 740</td>
<td>Economics of Sustainability ....................................................... 3 cr</td>
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<tr>
<td>SMGT 750</td>
<td>The Built Environment ................................................................... 3 cr</td>
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<tr>
<td>SMGT 760</td>
<td>Geopolitical Systems-Decision Making for Sustainability on the Local, State, and National Level .................. 3 cr</td>
</tr>
<tr>
<td>SMGT 770</td>
<td>Leading Sustainable Organizations ............................................ 3 cr</td>
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Specialty Track Courses (6 credits)

Choose two courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>SMGT 780</td>
<td>Corporate and Social Responsibility .......... 3 cr</td>
</tr>
<tr>
<td>SMGT 782</td>
<td>Supply Chain Management ........................ 3 cr</td>
</tr>
<tr>
<td>SMGT 784</td>
<td>Sustainable Water Management .................. 3 cr</td>
</tr>
<tr>
<td>SMGT 785</td>
<td>Waste Management and Resource Recovery ........ 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