

ABOUT THE CAMPUS

ACADEMIC ACCREDITATIONS

THE ASSOCIATION TO ADVANCE COLLEGIATE SCHOOLS OF BUSINESS

AMERICAN SPEECH-LANGUAGE-HEARING ASSOCIATION

COUNCIL FOR THE ACCREDITATION OF COUNSELING AND RELATED EDUCATIONAL PROGRAMS

COUNCIL ON SOCIAL WORK EDUCATION
(UNDERGRADUATE)

NATIONAL ASSOCIATION OF SCHOOL PSYCHOLOGISTS

NATIONAL ASSOCIATION OF SCHOOLS OF MUSIC

NATIONAL ASSOCIATION OF SCHOOLS OF THEATRE

NATIONAL COUNCIL FOR THE ACCREDITATION FOR TEACHER EDUCATION

NORTH CENTRAL ASSOCIATION OF COLLEGES AND SCHOOLS

RULES AND POLICIES STATEMENT

The information contained in this publication is based upon current regulations and policies of the University of Wisconsin-Whitewater as of January 1, 2002.

Wisconsin Statutes, administrative rules, resolutions of the Board of Regents of the University of Wisconsin System, court decisions, opinions of the Attorney General, regulations and policies of the University of Wisconsin-Whitewater, and any other rules or decisions from an authoritative source applicable to the university, are among the sources of information in this publication. They are subject to change without notice.

Information contained in this publication is also subject to revision without notice. For the most specific, up-to-date information on any subject that is part of this publication visit the online version of the continually updated catalog, appropriate University Offices or the Registrar's Office.

The University of Wisconsin-Whitewater is committed to equal opportunity in its educational programs, activities and employment policies for all persons regardless of race, color, gender, creed, religion, age, ancestry, national origin, disability, sexual orientation, political affiliation, marital status, Vietnam-era veteran status, parental status and pregnancy. Refer inquiries to the Diversity and Equal Opportunity Compliance Office, University of Wisconsin-Whitewater, Whitewater, WI 53190.

UW-WHITEWATER

800 West Main Street
Whitewater, WI 53190

INFORMATIVE CONTACTS

CONCERNING	ADDRESS/TELEPHONE	CONCERNING	ADDRESS/TELEPHONE
Admission to the University	Admissions Office Baker Hall 142 (262) 472-1440 uwwadmit@uww.edu http://www.uww.edu/admissions/	Exchange/Study Abroad International Programs	Library 2250 (262) 472-5759 interedu@uww.edu http://www.uww.edu/international/
Adult and Part-time Enrollment	Admissions Office Baker Hall 142 (262) 472-1440 uwwadmit@uww.edu http://www.uww.edu/admissions/	Financial Aid	Hyer 130 (262) 472-1130 uwwfao@uww.edu http://www.uww.edu/staffair/finaid/index.php
Alumni Information	University Relations Alumni Center (262) 472-1105 alumni@uww.edu http://www.uww.edu/a.umni.php	Graduate School	Roseman 2015 (262) 472-1006 gradschl@uww.edu http://www.uww.edu/gradstudies/
Athletic Director	Williams Center 112A (262) 472-1543 athletics@uww.edu http://www.uww.edu/athleticdept/contacts.cfm	Health & Counseling Service	Health Center 1013 (262) 472-1300 http://www.uww.edu/stdRscs/uhcs/
Campus Directory	University Center Information Desk (262) 472-1234 http://up.uww.edu/?search=basic	Honors Program	Andersen 2111 (262) 472-1268 honors@uww.edu http://acadaff.uww.edu/Honors/
Career Services	Library 2002 (262) 472-1471 career@uww.edu http://www.uww.edu/stdRscs/career/	Parking Information	Visitor's Center (262) 472-1011 parking@uww.edu http://www.uww.edu/adminaff/parking.htm
College of Arts & Communication	Center of The Arts 2001 (262) 472-1221 artscom@uww.edu http://academics.uww.edu/CAC/	Registration	Baker Hall B-7 (262) 472-1211 registrar@uww.edu http://www.uww.edu/registrar/
College of Business & Economics	Carlson Hall 4037 (262) 472-1343 busecon@uww.edu http://academics.uww.edu/business/	Residence Hall Life	Goodhue Hall 200 (262) 472-1157 reslife@uww.edu http://www.uww.edu/staffair/slstaff/
College of Education	Winther Hall 2030 (262) 472-1101 education@uww.edu http://academics.uww.edu/coe/	Summer School Information	Roseman 2013 (262) 472-1100 contined@uww.edu http://www.uww.edu/conteduc/summer/index.htm
College of Letters & Sciences	Salisbury Hall 123 (262) 472-1620 lsadvise@uww.edu http://uww.edu/factsheets/cofs.html	Tickets for Athletic and Performing Arts Program	University Center 151 (262) 472-2222 http://uc.uww.edu/services/info_ticket.php
Continuing Education Credit Outreach/Off-Campus Courses	Roseman 2013 (262) 472-1100 contined@uww.edu http://www.uww.edu/conteduc/credit/index.htm	Transcript of Credits	Registrar Baker Hall B-27 (262) 472-1580 registrar@uww.edu http://www.uww.edu/registrar/academic_record.php
Non-Credit Events	Roseman 2005 (262) 472-3165 cesevents@uww.edu http://www.uww.edu/conteduc/camps/	Transfer of Credits	Admissions Office Baker Hall 142 (262) 472-1440 uwwadmit@uww.edu http://www.uww.edu/admissions/
Center for Students with Disabilities	Roseman 1006 (262) 472-4711 dss@uww.edu http://www.uww.edu/StdRscs/csd/	Veterans' Information	Registrar Baker Hall B-7 (262) 472-1211 veterans@uww.edu http://www.uww.edu/registrar/veterans.php
Distance Education	Roseman 2010 (262) 472-1003 contined@uww.edu http://www.uww.edu/conteduc/distance/index.htm	Workshops, Camps and Conferences	Continuing Education Roseman 2005 (262) 472-3165 cesevents@uww.edu http://www.uww.edu/conteduc/camps/

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CHANCELLOR'S MESSAGE

(Being prepared by Photo Graphics)

MISSION STATEMENT

University of Wisconsin System

Each institution of the University of Wisconsin System shares in the mission of the System which is to develop human resources, to discover and disseminate knowledge, to extend knowledge and its application beyond the boundaries of its campuses, and to serve and stimulate society by developing in students heightened intellectual, cultural, and humane sensitivities, scientific, professional, and technological expertise; and a sense of value and purpose. Inherent in this mission are methods of instruction, research, extended education, and public service designed to educate people and improve the human condition. Basic to every purpose of the System is the search for truth.

The Core Mission of the University Cluster Institutions

With the approved differentiation stated in their selected missions, each university in the Cluster shall:

- a) Offer associate and baccalaureate degree level and selected graduate programs within the context of its approved mission statement.
- b) Offer an environment that emphasizes teaching excellence and meets the educational and personal needs of students through effective teaching, academic advising, counseling and through university-sponsored cultural, recreational and extra-curricular programs.
- c) Offer a core of liberal studies that supports university degrees in the arts, letters, and sciences, as well as specialized professional/technical degrees at the associate and baccalaureate level.
- d) Offer a program of pre-professional curricular offerings consistent with the university's mission.
- e) Expect scholarly activity, including research, scholarship and creative endeavor, that supports its programs at the associate and baccalaureate degree level, its selected graduate programs, and its approved mission statement.
- f) Promote the integration of the extension function, assist the University of Wisconsin-Extension in meeting its responsibility for statewide coordination, and encourage faculty and staff participation in outreach activity.
- g) Participate in interinstitutional relationships in order to maximize educational opportunity for the people of the state effectively and efficiently through the sharing of resources.
- h) Serve the needs of women, minority, disadvantaged, disabled, and non-traditional students and seek racial and ethnic diversification of the student body and the professional faculty and staff.
- i) Support activities designed to promote the economic development of the state.

Select Mission of the University of Wisconsin-Whitewater

In addition to the system and core missions, the University of Wisconsin-Whitewater has the select mission to:

- a) Offer an extensive range of undergraduate programs and degrees, including interdisciplinary programs in letters, sciences, and the arts, as well as programs and degrees leading to professional specialization.
- b) Offer graduate education built clearly upon its undergraduate emphases and strengths with particular emphasis in the fields of business and education.
- c) Expect scholarly activity, including research, scholarship and creative endeavor, that supports its programs at the associate and baccalaureate degree level, its selected graduate programs, and its special mission.
- d) Provide supportive services and programs for students with disabilities.
- e) Recruit minority and non-traditional students and provide support services and programs for them.
- f) Serve as a regional cultural and resource center.
- g) Provide continuing education and outreach programs as an integrated institutional activity.

POLICIES & PROCEDURES

(Title Page)

WELCOME TO UW-WHITewater

Founded in 1868, the University of Wisconsin-Whitewater is known for academic excellence in a setting of high-quality, career-oriented undergraduate and graduate programs. The campus enrolls more than 10,500 students in its 45 undergraduate and 17 master's and specialist degree programs. As the fourth largest campus in the UW System, UW-Whitewater has an annual operating budget of more than \$120 million and serves as a regional center for cultural and athletic activities.

The university has earned a national reputation for innovative programs and facilities, with a number of programs ranked among the best in the nation. In a recent survey of 1,400 UW-Whitewater students, more than half said their top reason for choosing UW-Whitewater was its academic reputation. Other top reasons included graduates' job placement, size, low tuition and its reputation for social activities.

The 1,200 members of the faculty, staff and administration are committed to providing practical experiences that enhance learning both inside and outside the traditional classroom. UW-Whitewater faculty and staff strive to extend personal attention to all students, providing a concerned academic environment that is responsive to individual needs.

UW-Whitewater students enjoy a wide range of opportunities both inside and outside the classroom. The university has an academically ambitious honors program and a wide array of undergraduate research programs. International study-abroad opportunities are available in more than a dozen countries, including Australia, Japan, Mexico, Jamaica, Sweden and England. There are more than 120 student organizations to get involved with on campus.

The university serves as a regional destination point for patrons of the arts, with venues such as Irvin L. Young Auditorium, Light Recital Hall, Hicklin Studio Theater and Crossman Gallery attracting a combined 100,000 visitors annually. The athletic department has 19 men's and women's competitive sports that welcome involvement in Warhawk athletics year-round.

The 385-acre campus includes 46 buildings, a nature preserve and arboretum, and 43 acres set aside for baseball, football, soccer, softball, track and tennis. Noteworthy buildings include the multi-purpose University Center, the Williams Recreation Center, the 12,500-seat Perkins Stadium and the new David L. Kachel Fieldhouse, which provides 100,000 square feet of indoor athletics and recreational space.

UW-Whitewater provides educational services for the entire region, through conferences on subjects as diverse as regional planning, international education and the status of women. The university serves students of all ages, from grade school academic camps to special lecture programs for seniors. It is also becoming more accessible, with new efforts such as the Degree Completion Program that allows students to complete a four-year degree in Janesville. An extensive program of evening on-campus and off-campus courses is offered for those who are employed during the day. Counseling for small businesses is provided free of charge by the Small Business Development Center.

Located in Whitewater, a friendly, picturesque city of 12,000 people, UW-Whitewater is near rural recreation areas, yet within convenient driving distance of the metropolitan centers of Milwaukee, Madison, and Chicago. The campus is only a short drive from the scenic Southern Kettle Moraine State Forest in southeastern Wisconsin.

TRADITION OF EXCELLENCE IN EDUCATION

- Innovative programs such as The Milwaukee Experience, Project Assist, and the first Beginning Teacher Assistance Program in the United States have earned national recognition for the College of Education.
- Over the last decade, UW-Whitewater ranks No. 1 in the nation in the percentage of students achieving first-time passage of the Uniform CPA examination.
- UW-Whitewater features a diverse student body that includes the third largest minority enrollment in the University of Wisconsin System.
- With its special mission to serve students with disabilities, the university has invested more than \$2 million in improvements to guarantee barrier-free access to all campus buildings. The UW-Whitewater Office of Disabled Student Services was chosen in 1999 as one of seven Exemplary Programs by the National Association of Student Personnel Administrators.
- For the fourth time, the UW-Whitewater Management Computer Systems Program was ranked as the number one four-year computing degree program in the United States and Canada by the Data Processing Management Association. UW-Whitewater is the only institution to receive the top ranking more than once.
- Due to the development and implementation of an innovative General Education curriculum, universities throughout the country regard UW-Whitewater as having a model program and actively seek out its counsel in revising their own programs.
- The UW-Whitewater Business Education Program earned the 1994 and 1997 national four-year university award from the Business Education Division of the American Vocational Association.
- The UW-Whitewater Office of Continuing Education and Graduate Studies reaches out to its constituency and annually attracts over 30,000 people to a variety of camps, programs, and conferences.
- The Wisconsin Innovation Service Center is a highly respected operation which provides comprehensive evaluations of thousands of new product ideas and is the only non-profit service of its kind in Wisconsin.
- The UW-Whitewater chapter of the Association of Collegiate Entrepreneurs has earned more awards from the national organization than any other college or university in the United States.
- In April 2002, UW-Whitewater played host to the National Conference on Undergraduate Research, the largest program in the country that promotes undergraduate involvement in research.
- In 2001, the UW-Whitewater Online MBA program was ranked among the top 25 online business degree programs in the country, according to *U.S. News and World Report*.
- The 1998 edition of *PC Week* named UW-Whitewater's math and computer science department as one of the best in the nation, on the same level as programs at Carnegie Mellon, Columbia, Cornell, Harvard, Northwestern and Stanford.

ADMISSION INFORMATION

FRESHMAN: To apply for admission to UW-Whitewater, applicants can obtain an admissions application from their high school counselor or from the UW-Whitewater Admissions Office. Also, the UW System electronic application is available through the Internet at this address: www.apply.wisconsin.edu. An application may be considered as early as September 15 of the senior year. It must include a high school record, class rank or grade point average, the courses to be completed in the senior year, and the application fee.

Eligibility for admission to UW-Whitewater will be based on the following criteria:

1. Graduation from a recognized high school. (Applicants who completed a high school equivalency diploma (GED) may still be considered if at least 21 years of age and out of school for two years or more.)
2. Applicants must complete 17 units of high school work with a minimum of 13 core college preparatory units from the academic areas of English (including speech), social studies, mathematics, and science. Within the 17 units, the applicant must have the following academic pattern:
 - (a) Four required units in English which may include one unit of speech.
 - (b) Three required units in social studies.
 - (c) Three required units in mathematics, (including beginning algebra, geometry, and advanced algebra, or an algebra/trigonometry combination).
 - (d) Three required units in science; Biology, Chemistry or Physics preferred.
 - (e) Four additional units from any of the required areas or from the arts, computer science, foreign language, accounting or other academic areas as approved by the University.
Admitted new freshmen students failing to complete their senior year required core academic units will have their admission rescinded. Students interested in completing deficiencies during the Summer must contact the Admissions Office.
3. Applicants who have completed the required academic unit pattern will be eligible for admission if they (1) rank in the top 40 percent of their high school class, or (2) have combined high school class rank percentile and ACT/SAT percentile scores of 100 or above.
4. Due to an enrollment limitation program, postponed and discretionary admission categories have been established for freshman applicants. UW-Whitewater has defined the postponed category to include applicants with 50th - 59th class rank percentiles whose percentile rank and ACT or SAT composite percentile scores do not equal 100. Postponed applications will be considered on a space-available basis and applicants will be notified of their admission status no later than March 15. Discretionary applicants not meeting priority or postponed admission groups; however, having combined high school class rank percentiles and ACT or SAT composite percentile scores between 70-99 will be considered on a space-available basis and will be notified of their admission status no later than May 1.
5. Special consideration may be given for admission for applicants who are 21 years of age, have been home-schooled, have served in the armed forces, come from a disadvantaged background, or have other unique circumstances.

6. **OUTSTANDING** students may be considered for part-time or full-time admission to UW-W before completing high school. Early admission is granted on an individual basis and only to those highly qualified applicants who can demonstrate that they can benefit from entrance into college prior to high school graduation. For further information contact the Admissions Office. To be considered for early admission, students must have a class rank percentile of top 25% or higher.

ACT REQUIREMENT: The ACT is required for all incoming freshmen prior to enrollment at UW-Whitewater. The exam is administered at a number of different times and locations; it is recommended that the exam be taken in the junior year or early in the senior year. Applicants must request ACT to forward scores to UW-Whitewater. If the ACT requirement is not satisfied by the time of enrollment, registration may be denied and/or classes may be cancelled for that or subsequent terms. Questions regarding the ACT may be directed to the Office of Testing and Student Affairs Research (262-472-5613). The SAT Test is also acceptable.

FRESHMAN ORIENTATION, REGISTRATION, AND ACADEMIC ADVISING: Incoming freshmen attend one of several summer registration/orientation programs. At that time students meet with an adviser (usually the major department chair) for assistance in selecting courses to be taken in the freshman year. Parents are invited and encouraged to attend, as there will be a special program scheduled for parents while students are receiving advising and are registering.

Also, there will be additional orientation activities during the first few days of the fall term. These programs are designed to make the freshman transition to college life as smooth as possible.

TRANSFER STUDENTS: To apply for admission, an application can be obtained from a UW System university or college, or an electronic application is available through the Internet at this address: www.apply.wisconsin.edu. Instructions with the admissions application will explain the procedure to be followed. An application fee is required for all transfer students, except those who last attended a UW college. In addition to the admissions application and high school records, official transcripts from all post-secondary institutions attended must be submitted. Applicants may be accepted on a tentative basis during the last term of enrollment at the sending institution provided they meet the minimum academic requirements for University admission.

UW-Whitewater requires a minimum 2.0 (4.0 system) cumulative grade point average to transfer; however, admission requirements may be higher for students planning to enroll in particular academic programs and during periods of enrollment limitation. Students who are enrolled in their first term, and who do not meet freshman admissions standards, must complete 12 college transferable units to receive transfer admission consideration.

Guaranteed Transfer Program - Students participating in the UW-College/UW-W Guaranteed Transfer Program may begin their university education at a UW-College and upon completion of 60 units be guaranteed the same opportunity to continue at UW-W as students who began at UW-W. Please note that upon transferring to UW-W it is necessary for students to submit another UW-System admission application. Students reapplying under this program are not required to resubmit a second high school transcript. UW-College transcripts should be forwarded to the UW-W Office of Admissions at the time of application. A minimum cumulative grade point average of 2.0 (4.0 system) is required for transfer; however, grade point average requirements may be higher for students planning to enroll in particular programs.

College of Education: In order to enroll in a program leading to teacher certification, a student must be admitted to Professional Education (which

normally occurs after completion of 40 or more college units). Students who are pursuing teacher education programs will be admitted on a competitive basis of experience with children and diverse groups as well as cumulative grade point average. The application and information on criteria for admission may be obtained from the College of Education Information desk, Winther Hall 2033 (262-472-1184).

College of Business and Economics: applicants interested in pursuing a business major must declare "Pre-Business" as the major. Pre-Business students are eligible to enroll in lower division business courses after they have completed twenty-four units and possess at least a 2.50 combined grade point average. After a student completes fifty-four or more units and has satisfactorily completed or is enrolled in ACCOUNT 244, 249 or 341/342, ECON 201, 202, 245 and MANGEMNT 211 (COMPSCI 162 and 171 for BBA MCS majors), the student can apply for admission to a major in the College of Business and Economics. All students with a 2.80 combined GPA or better would be admitted to a major in the College. Application forms for admission to the College of Business and Economics are available at the Assistant Dean's Office and are completed during the required Pre-Business advising meetings. Students who have questions concerning admission should contact the Assistant Dean of the College of Business and Economics.

Transfer units are not granted for upper-division business courses at UW-W unless the equivalent courses were taken after completing 60 Units and were junior or senior level at the previous institution. Before receiving a degree in Business, students must earn at least 18 units in their major at UW-W (21 units if majoring in accounting or management computer systems).

For transfer students enrolling in the College of Business and Economics or the College of Education, **the grade point average compiled at previous post-secondary institutions is considered for purposes of determining eligibility.**

READMITTED STUDENTS: Students returning to the University after an absence of one term or more must file an application for readmission. The application can be obtained from the UW-W Admissions Office or any other UW System university or college, or an electronic application is available through the Internet at this address: www.apply.wisconsin.edu. It is also necessary to furnish transcripts covering college-level work taken elsewhere during their absence from UW-Whitewater. Readmitted students must receive advising before registering and are encouraged to seek other assistance as needed for their unique situation.

SPECIAL STUDENTS:

SPECIAL STUDENTS WITHOUT CREDENTIALS. Students who wish to enroll for six units or less in any term may apply for admission as a "special student without credentials". The application fee is not required but some record of previous academic work may be required to establish academic eligibility. Prospective students who do not meet admission standards will not be granted admission as a special student. Special students without credentials may attend summer school without establishing academic eligibility and may take as many units as are regularly allowed in the summer school for all students.

Special students without credentials are not considered candidates for a degree and are not required to receive formal academic advising upon enrollment. Advising Reports (ARs) are not available for special students.

SPECIAL STUDENTS WITH CREDENTIALS. Students who have a conferred bachelor's degree and wish to enroll only for undergraduate work may apply as a "special student with credentials". An admissions application and an official transcript indicating receipt of the degree must be submitted for review. An admissions application fee is required for students seeking teaching licensure or a second bachelor's degree and who have not previously attended a UW System campus as a matriculated student. Students in this classification must meet the UW-W program grade point

average requirement and are considered to have fulfilled proficiency, general education, core and diversity requirements. Transfer unit evaluations and Advising Reports (ARs) are not available for these special students. Formal academic advising is not required.

INTERNATIONAL STUDENTS: The University will consider applications from international students who demonstrate academic potential, are proficient in English, and have adequate financial resources to meet expenses while attending UW-Whitewater.

To assess academic potential, results of nationally-administered examinations and the secondary school record will be considered. Please note that secondary education must consist of a college-preparatory program.

ACADEMICALLY DISMISSED STUDENTS: Students dismissed for academic reasons at UW-Whitewater will be considered for readmission if their grade point average is improved by means of work taken through UW-Whitewater summer sessions. Students will also be eligible for readmission if they have remained out of college for the time specified under the probation and dismissal policies of the University. Please note that it is necessary to reapply for admission after and absence of one term or more. Students who have been academically dismissed and attend other post-secondary institutions during their absence from UW-W will be evaluated based upon their academic performance (final grades) at the sending institution; this may delay the readmission process to the University and could affect admission eligibility.

CREDIT IN TRANSFER OR BY EXAMINATION

GENERAL TRANSFER: UW-Whitewater will accept credit only from regionally accredited colleges and universities. Wherever possible, transfer courses are converted to exact UW-Whitewater course equivalents. If this is not possible, courses will be accepted as electives. Students who receive credit for equivalent courses should be careful not to enroll in courses with the same course number since duplicate credit in courses cannot be awarded.

Although grades earned at other post-secondary institutions will be included on the evaluation of transfer credit and the AR, the UW-Whitewater grade point average is not affected by grades earned elsewhere. Grades earned at other institutions are considered only for purposes of determining eligibility for admission to the University and eligibility for registration in certain majors, such as those in business, education and management computer systems.

For majors requiring higher grade point averages, the combined cumulative GPA of both the transfer college(s) and UW-Whitewater will be used to determine eligibility for course enrollment. Also, business students must complete course work in residence at UW-W in at least six courses (18 unit minimum) in their major field. A maximum of two transfer courses will be allowed to count in any major in the BBA curriculum. Regardless of major, a minimum of 25% of the major course units and 25% of the minor course units must be completed at UW-Whitewater.

In order to be equated to a UW-Whitewater course, a course taken at another post-secondary institution must be taken for at least 2/3 of the number of term units for which the course is offered at UW-Whitewater.

Credit may be transferred to UW-Whitewater if the grade earned in the course at the previous institution is recognized as a passing grade (D or better) and the course parallels work offered at UW-Whitewater. If a course is repeated, credit will only be granted for repeated courses in which grades of D and F were received. Students may repeat courses transferred to UW-Whitewater from other post-secondary institutions subject to UW-Whitewater's repeat policy. Coursework completed at one transfer institution and repeated at a second transfer institution is recognized when calculating the transfer grade point average during the admission process.

10 ADMISSION

Please contact the Office of Admissions for further details or reference the repeat policy section of this Catalog.

Appropriate units may be transferred from one curriculum to another within the University. Waiver(s) granted by one of the four colleges may not be recognized if the student switches colleges.

Quarter Units: The number of units earned for a course taken on the quarter system must be multiplied by 2/3 in order to convert to the term (semester) system. Thus a course for 3 quarter units would be changed to 2 term units when transferred to UW-Whitewater.

It is possible that some credit in academic areas other than those offered at UW-Whitewater may be accepted upon written appeal to the office of the Associate Director of Admissions. In considering appeals, the Associate Director will consult with the appropriate department chairperson to determine whether the course content is related to the major or minor and whether granting the credit is of demonstrable educational value.

Students who feel that an adjustment in an evaluation is necessary should contact the Admissions Office before proceeding with academic advising and registration. Any adjustment in the unit evaluation must be requested within one year of the date of UW-W enrollment.

TWO-YEAR COLLEGE TRANSFERS: Courses taken at two-year campuses may be equated only to UW-Whitewater 100-level (freshman) or 200-level (sophomore) courses. When a course taken at a two-year college appears to parallel a 300-level (junior) or 400-level (senior) course at UW-Whitewater, the course may be accepted as a general elective.

After accumulating 72 units, a minimum of 48 additional units must be earned at UW-Whitewater and/or other accredited four-year colleges before a degree may be awarded. Upper-division UW-Whitewater students who decide to attend a two-year college after accumulating 72 units toward graduation must obtain prior permission from the dean of their college.

Students enrolled in the Wisconsin Technical College System (WTCS) who wish to continue their education at UW-W may be eligible to transfer credits toward their bachelor's degree in the following ways:

1. Students enrolled in the college parallel programs at Madison Area Technical College, Milwaukee Area Technical College, and Nicolet Area Technical College may be eligible to transfer up to 72 credits toward their baccalaureate degree.
2. Students who have successfully completed coursework in the Wisconsin Technical College System may be eligible to transfer up to 15 credits of general education course work in the communication and social science breadth requirements plus two additional courses in math or science.
3. Students may be eligible for credit by earning appropriate scores on national standardized examinations (e.g. College Level Examination Program) or examinations developed by UW-W. Contact the Academic Advising and exploration Center for more information.
4. Students with a declared business major who attain an Associate of Applied Science degree from the Division of Business and Marketing may be eligible to transfer a maximum of 12 units in business related coursework.
5. Two program-to-program articulation agreements are in effect. Gateway Technical College (Speech Communication, Electronic Media emphasis major) and Madison Area Technical College (Biology Cell-Physiology emphasis major). Contact the Admissions Office for specific details.

For more information about these transfer opportunities, students should consult with their Wisconsin Technical College advisers or the UW-W

Admissions Office.

TRANSFER INFORMATION SYSTEM (TIS). The Transfer Information System (TIS) is a source of information for students and advisers with questions regarding transferability of units among UW System institutions and the Wisconsin Technical Colleges. This computer-based system provides information regarding transfer course equivalencies, academic program array, and student services departments. The TIS resource link www.uwsa.edu/tis. TIS is very user friendly with easy to use commands and an extensive tutorial. Access is available at all University Computer Labs.

UNIVERSITY DEVELOPMENTAL, GENERAL EDUCATION, AND DIVERSITY FULFILLMENT: Transfer students with an Associate of Arts and Science degree from the UW Colleges, or an Associate of Arts/Associate of Science degree from Madison Area Technical College, Milwaukee Area Technical College, Nicolet Area Technical College, or any accredited, Illinois State community college, who transfer at least 40 acceptable units to UW-Whitewater are considered to have fulfilled the General Education (Communication & Calculation Skills, Core and General Studies Electives) Requirements. Although the Associate Degree satisfies all General Education requirements, there may be specific courses still required to meet degree and/or major/minor requirements. In addition to satisfying General Education requirements, the UW-Colleges' Associate of Arts and Science Degree satisfies the Diversity requirement. Students should remind Advisers that they have earned the associate degree to ensure they are not needlessly advised into General Education courses. The final official transcript from the sending institution must indicate that the degree specified has been awarded or the student will be responsible for fulfilling the remaining General Education Requirements.

If a student transfers into a UW-W degree program which requires math, and the student has not completed the equivalent of UW-W MATH 141 or higher (Intermediate Algebra), the student will be required to complete a math placement exam unless the ACT math subscore is available.

For applicants who have a bachelor's degree from an accredited post-secondary institution and are seeking a second bachelor's degree at the University of Wisconsin-Whitewater, the first degree satisfies the General Education and Diversity requirements.

Beginning with the 1996 fall term, all transfer students will be required to complete the following General Education Core Course requirements:

<u># of Units Transferred</u>	<u>UW-W Core Course Requirements</u>
0 - less than 21	All General Education Core Courses
21 - less than 40	GENED 390 and an additional core course assigned by Gened Coordinator. Check AR for required course.
40+ units	GENED 390 World of Ideas only -no AA/AS degree
Conferred AA/AS degree from UW-Colleges, Madison/Milwaukee Area Technical Colleges, Nicolet Technical College, or Illinois State Junior Colleges	General Education and Core Course requirements satisfied

Students transferring without the associate or bachelor's degrees described above are required to complete any remaining Communication & Calculation Skills requirements prior to completion of 60 units toward graduation. Transfer students with 60 or more units toward graduation must complete any remaining proficiency requirements within their first UW-W term.

Students who do not receive transfer credit for English 101 or Mathematics 141 will be placed according to ACT or SAT subscores or will be required

to take the appropriate placement examination.

CREDIT BY EXAMINATION AND ADVANCED STANDING:

The University provides opportunities for a student to receive advance academic credit and/or advanced standing on the basis of examination. Students desiring credit by examination should contact the Academic Advising and Exploration Center for information and the CREDIT BY EXAMINATION OPPORTUNITIES booklet which lists the examinations which have been approved by the University. The maximum number of units by examination allowed will be 60 units. This includes departmental and nationally-administered examinations or other credit by examination transferred to UW-W from another institution.

A student with a score of three or better on a College Entrance Examination Board (CEEB) Advanced Placement Examination will receive credit for a specific course offered at UW-W if the appropriate department has approved the examination and the particular test is included in the CREDIT BY EXAMINATION OPPORTUNITIES booklet. General elective credit will be granted for CEEB Advanced Placement courses even if they do not have direct relationship to specific courses offered at UW-W provided a score of three or better is earned.

The University also recognizes certain tests offered by the College Level Examination Program (CLEP) and the International Baccalaureate Program IB. For detail information on the specific examination and related UWW course consult the UWW Credit By Examination Opportunities Booklet.

If a student is enrolled in a course and desires to take a test for credit, the test must be taken no later than one month after the beginning of classes. Students who have completed credit by examination elsewhere should have official test scores sent to the Academic Advising and Exploration Center.

Each department at the University is authorized to devise its own test for purposes of granting advance credit for any course offered by the department.

Students may be placed in advanced courses, without receiving advanced units, on the basis of standardized tests, high school performance, or departmental interviews.

Qualified students may attempt to earn retroactive units in foreign language (French, German and Spanish). The procedure in each case is outlined in the CREDIT BY EXAMINATION OPPORTUNITIES booklet.

The University also has provisions for awarding advance units based upon satisfactory scores on International Baccalaureate exams. For specific information concerning units which may be awarded and the necessary score, students may contact the Academic Advising and Exploration Center (262-472-5220).

ACADEMIC ADVISING AND COURSE SELECTION:

Transfer students are required to attend an orientation session and receive academic advising for registration purposes. Advising is normally handled by personnel from the major department; however, students should consult with their minor department as well. Students admitted under the "special student" classification are not required to attend the orientation program or to seek advising assistance.

RESIDENCY REGULATIONS

Applicants who are adults and who have been bona fide residents of the State of Wisconsin for one full year prior to the beginning of the term of enrollment or minor students whose parents have been bona fide residents of the state for 12 months prior to the beginning of the term of enrollment are exempt from payment of nonresident tuition. Also, applicants who have been continuously employed full time in this state, and were relocated to Wisconsin by their current employer; or applicants who moved to Wisconsin for employment purposes and accepted current employment

before applying for admission to UW-Whitewater, may, along with their spouse and dependents, be exempt from the payment of nonresident fees provided the person making application demonstrates an intent to establish and maintain a permanent home in Wisconsin.

In addition, persons may qualify as bona fide residents if they meet any of the following criteria:

- nonresident members of the armed forces (including spouse & dependents) stationed in the state, or members of the armed forces who reside in Wisconsin and are stationed at a federal military installation located within 90 miles of the borders of Wisconsin;
- graduates of a Wisconsin high school whose parents have been bona fide residents of the state 12 months prior to the beginning of the term of enrollment, or whose last surviving parent was a bona fide resident of the state 12 months preceding his/her death;
- minor students who are orphans and have resided substantially in the state during the years of minority and at least 12 months preceding the beginning of the term of enrollment;
- minor students under guardianship in the state during the years of minority and at least 12 months preceding the beginning of the term of enrollment;
- adult students who have been employed as migrant workers in the state for at least 2 months each year for 3 of the 5 years next preceding the beginning of any term or session for which they register at a university or center, or for at least 3 months each year for 2 of the 5 years preceding the beginning of the term of enrollment;
- official refugees who moved to the state immediately upon arrival in the United States and who have resided in the state continuously; or
- minors or dependent adult students provided one or both parents have been bona fide residents of the state for at least 12 months preceding the beginning of the term of enrollment.

Intent to become a bona fide resident may be demonstrated or disproved by factors including, but not limited to, filing of Wisconsin income tax returns, eligibility to vote in Wisconsin, motor vehicle registration in Wisconsin, possession of a Wisconsin operator's license, employment in the state, and self-support.

However, applicants who enter and remain in this state principally to obtain an education are presumed to continue to reside outside this state, and such presumption continues in effect until rebutted by clear and convincing evidence of bona fide residence.

MINNESOTA-WISCONSIN RECIPROCITY AGREEMENT

This agreement allows Minnesota residents to pay a reduced non-resident fee to attend a Wisconsin university. Arrangements to participate in this program may be made by filing an application with the Minnesota Higher Education Services Office, 1450 Energy Park Dr, Suite 350, St. Paul, Minnesota, 55108-5227. (Subject to yearly approval by Minnesota-Wisconsin state governments.) (Telephone 651-642-0567 or 1-800-657-3866)

MINORITY RECRUITING

One of the primary functions in this area is to recruit ethnic minority students to the UW-Whitewater campus. As an extension of the overall commitment by the University System to increase the enrollment, retention, and graduation of minority students, recruiters contact high schools, community centers, churches, and individual minority community leaders to acquaint them with higher education opportunities for minorities at UW-Whitewater.

12 ADMISSION

Freshman and transfer students entering the University are encouraged to participate in an inclusive array of academic support services. One such program is the Educational Opportunity Program (EOP), which provides services to students who have academic potential, but who may be from low-income families, may be the first students from their family to attend college, or may have a disability (physical or learning). Such students may need a period of time to adjust to the academic and social environment of the University.

Cultural events and student activities for minorities are available on campus. Programs are geared to foster cross-cultural awareness among all students and faculty on campus. Special efforts are made throughout the academic year to encourage full cooperation between activity-oriented bodies to coordinate functions in such a way that the pluralistic society in which we live is reflected in planned campus activities.

For further information, contact Rob Gamsky, Assistant Director of Admission - Minority Student Recruitment at 262-472-5180 or email at gamskyr@uww.edu.

ACADEMIC INFORMATION

ACADEMIC ADVISING

ADVISING PHILOSOPHY

Advising is most effective when it is viewed as an on-going process in which the students and the advisors work as partners. Students must conscientiously work with their advisors in order to develop comprehensive academic plans that lead to successful career planning. Ultimately, students have the responsibility for their own educational plans and for monitoring all requirements for graduation.

ADVISING RESPONSIBILITIES

STUDENTS are responsible for developing their educational plans by

- Taking initiative to seek advising
- Monitoring their course of study
- Understanding and fulfilling all degree requirements
- Using appropriate student services

ADVISORS are responsible for providing guidance to students by

- Providing accurate information on requirements and policies.
- Helping students evaluate their academic success and choice of major and minor.
- Supporting and encouraging students as they work to meet their goals.
- Making appropriate referrals to student services.

THE UNIVERSITY is responsible for guiding students to achieve their academic goals by:

- Developing a structure within which effective advising can occur.
- Providing appropriate advising support for all students.
- Providing access to academic, personal and career advising.
- Communicating requirements and expectations for graduation.

ADVISING STRUCTURE

First-year students and students who have yet to declare a major will be assigned advisors at the Academic Advising and Exploration Center. After their first year, students who have declared a major will be assisted by advisors within their college or by a faculty advisor within their major department.

Students should contact their advisors for help with course selections, managing academic concerns and career planning. Students are encouraged to discuss program options such as study abroad, and internships or other related work experiences.

Advising Locations:

- Academic Advising and Exploration Center (Roseman 2054, 472-5220)
- College Advising Offices
 - Arts and Communication (Center of the Arts 2029, 472-1934)
 - Business and Economics (Carlson 4035, 472-4900)
 - Education (Winther 2003, 472-1585)
 - Letters and Sciences (Salisbury 130, 472-1550)
- Specialized Advising
 - Educational Opportunity Program (McCutchan 118, 472-1209)
 - Minority Business and Teacher Preparation (Carlson 2008, 472-5677)

- Departmental Offices (Call University Information at 262/472-1234 for locations and telephone numbers)

There are many services to assist students who have academic and non-academic concerns. Please review other sections of this catalog, or visit the UWW website at <http://www.uww.edu/mustudents.html>.

ADVISING INFORMATION

The Registrar's Office maintains all academic records. Students may obtain a copy of their academic records as well as information about University regulations and registration from the Registrar's Office.

The Advisement Report (AR) is the official advising instrument. The AR includes an unofficial transcript followed by a match of a student's academic course history against a prescribed set of degree program requirements. These requirements are based upon the academic year on a student's record and the academic year of the requirements on the curriculum file. Students can access their AR on the UWW WINS Student Administration System.

Although the AR will match courses to requirements, it may not monitor all policies related to a student's academic program. Students are responsible for understanding the policies that affect their degree by consulting the University Catalog and by working with the academic advising services as listed above

UNIVERSITY DEGREE REQUIREMENTS

To earn a baccalaureate degree from UW-Whitewater, students must successfully complete the following minimum requirements:

- General Education, including:
 - Communication & Calculation Skills
 - University Requirements
- Diversity
- College or degree or licensure (or a combination thereof)
 - Major with a 2.00 GPA
 - Writing Proficiency in the major
 - Minor with a 2.00 GPA (a minor is mandatory for some major/degree programs and optional for others)
 - One hundred twenty (120) units
 - A UW-W cumulative GPA of 2.00 on a 4.00 system

It should be noted that several degree/major/minor programs require a GPA higher than 2.00 for admission, retention and graduation. A combined UW-W and transfer GPA may be used to determine the minimum standard for some programs.

Students may earn an Associate of Arts degree by successfully completing a minimum of 60 units, including General Education and diversity requirements, with a 2.00 UW-W cumulative GPA.

GENERAL EDUCATION AND DIVERSITY REQUIREMENTS

PHILOSOPHY OF GENERAL EDUCATION

The General Education Program encompasses coursework in both Communication and Calculation Skills and the University Requirements in liberal arts and sciences. As the foundation for all university degrees, it gives breadth and balance to a university degree and defines an educated person.

General Education: 1) provides students with the skills and proficiencies needed to succeed academically; 2) exposes students to core knowledge and concepts of the Arts, Humanities, Mathematics, and Natural and Social Sciences; 3) provides a diversity of viewpoints, ensuring that students gain familiarity with the art, literature, philosophy, and institutions of our own and other cultures; 4) hones the students' thinking and communication skills as they confront the complex issues of historical and contemporary times and attempt to understand trends and problems; and 5) encourages students to cultivate new interests so as to engage in lifelong learning.

Education for the professions needs to be built upon this base. University graduates need to see the social and historical context of their chosen profession, so they will understand the reciprocal interaction of profession, society, and daily lives. Career opportunities now and in the future will require individuals who can actively respond to changing work environments, continue to learn and grow, and work cooperatively with people of diverse backgrounds. The broad exposure provided by the general education program facilitates informed career decisions in college and better equips individuals to respond to evolving personal aspirations and changing career opportunities.

GOALS OF GENERAL EDUCATION

The goals of general education are to enable students to:

1. Think critically and analytically, integrate and synthesize knowledge, and draw conclusions from complex information.
2. Make sound ethical and value judgments based on the development of a personal value system, on an understanding of the cultural heritage students share, and a knowledge of past successes, failures, and consequences of individual roles and societal choices.
3. Understand and appreciate the cultures of the U.S.A. and other countries, both contemporary and historical, appreciate cultural diversity, and live responsibly in an interdependent world.
4. Acquire a base of knowledge common to educated persons, the capacity to expand that base over their lifetime by understanding the way that knowledge is generated, organized, tested, and modified, while recognizing the past and current limits to understanding.
5. Communicate effectively in written, oral, and symbolic form with an appreciation of aesthetic and logical considerations in conveying ideas.
6. Understand the natural and physical world, the process by which scientific concepts are developed, tested, and modified, and the reliability and limitations of scientific knowledge.
7. Appreciate the importance of the fine and performing arts.
8. Develop the mathematical and quantitative skills necessary for calculation, analysis, and problem solving and the ability to use a computer when appropriate.
9. Understand the factors and habits that are essential for continual mental and physical health and well being, and evaluate the information and advice offered on these topics.

Students are required to complete the General Education and Diversity Requirements as part of the requirements for graduation. The letter "G" appearing after the course title identifies the course as one that can be used in satisfying the University General Education requirement. The second letter following the "G" identifies the category within General Education in which the course applies. Diversity courses are identified with the appropriate term after the course title.

General Education courses used to satisfy major, minor or curricular requirements are subject to any specific college restrictions on their use

for these requirements as detailed in this Catalog.

Students with a strong high school preparation in a given subject area are urged to elect either an advanced course in that area (with departmental approval) or an introductory course in some other area when selecting General Education courses.

The General Education program that went into effect for the Fall 1994 Term is required for all new freshmen entering UW-Whitewater for the first time in Fall 1994 or later. Transfer students for Fall 1996 or later will be held to these requirements.

GENERAL EDUCATION REQUIREMENTS: 44 units (or appropriate waivers). If Developmental Studies courses English 90 and/or Math 40/41 are required, they must be completed before enrolling in the related General Education course.

1. Communication and Calculation Skills (12 units or waivers)
 - a. ENGLISH 101 Freshmen English (or waiver)
 - b. ENGLISH 102 Freshmen English

OR

 - ENGLISH 105H Freshman English Honors (replaces both 101 and 102)
 - c. SPEECH 110 Fundamentals of Speech (or waiver)
 - d. MATH 140 Mathematical Ideas or 141 Intermediate Algebra (or waiver)
2. University Requirements (32 units)
 - a. Quantitative and Technical Reasoning (7-11 units)
 1. A 4-5 unit laboratory science designated GL
 2. 3-6 units of science, math or computer science courses designated GL or GM from at least 1 subject area (Astronomy, Biology, Chemistry, Computer Science, Geology, LSINDP 150, Physical Geography 210, Math Physics) other than the Lab science used in area 2.a.1
 - b. Cultural Heritages (6 units)
 1. GENED 110 World of the Arts
 2. GENED 390 World of Ideas
 - c. Communities (6 units)
 1. GENED 130 Individual and Society
 2. GENED 120 The U.S. Experience in a World Context OR GENED 140 Global Perspectives
 - d. Physical Health & Well-being (1-2 units)
 1. PEGNRL 192 Personal Health and Fitness for Life
 2. 0-1 unit of HPRC courses designated GP
 - e. Electives (7-12 units);

Additional electives designated GA, GE, GH, GI, or GS; no more than 1 course from any one subject area may be counted in electives

DIVERSITY: One 3-unit Diversity course dealing with the African-American, Native American, Asian-American or Hispanic experience is required for graduation. Approved courses are identified in the Diversity section following the General Education courses. These courses may also be used to satisfy requirements in other areas, including General Education. If approved for General Education, a diversity course may be used for the general education distribution requirements.

WRITING PROFICIENCY: Students must demonstrate writing proficiency in their major. The department of the major determines the requirement which may be a course within the degree or major requirements, a specified course outside the major, or a writing sample evaluated by the faculty. Check with the chairperson of the major for details. Students pursuing a double major must complete the writing proficiency for only one of the two majors.

COMPLETION OF DEVELOPMENTAL REQUIREMENTS: Students who are required to take developmental English or Mathematics courses must complete them in their first 30 units.

COMPLETION OF COMMUNICATION & CALCULATION SKILLS REQUIREMENTS: Students should complete the requirements

prior to the completion of 60 units toward graduation.

Students who transfer to UW-Whitewater with 60 or more units toward graduation should complete the course(s) within their first term here.

COMMUNICATION & CALCULATION SKILLS

ENGLISH

ENGLISH 101 Freshman English
ENGLISH 102 Freshman English
ENGLISH 105H Freshman English Honors

SPEECH

SPEECH 110 Fundamentals of Speech

MATHEMATICS

MATH 140 Mathematical Ideas
MATH 141 Intermediate Algebra

GENERAL EDUCATION COURSES

The following courses have been approved by the University Curriculum Committee for inclusion in General Education. Changes to this list can occur at any time. A course must be identified as General Education for the term in which it is successfully completed for it to satisfy the requirement. The numbers in () indicate unit levels other than three units. Some of these courses also satisfy the diversity requirement (reference the diversity courses which follow).

ARTS (GA)

General Education Core

GENED 110 World of the Arts

ART

ARTSTDIO 102 2-Dimensional Design
ARTSTDIO 103 3-Dimensional Design
ARTSTDIO 121 Basic Art
ARTSTDIO 201 Drawing I
ARTSTDIO 251 Ceramics I
ARTSTDIO 271 Metal and Jewelry I
ARTHIST 111 Art Appreciation (2)
All art history courses (ARTHIST) at the 200 and 300 level.

DANCE

DANCE 110 Dance Appreciation (2)
DANCE 141 Contemporary Dance Technique I (2)
DANCE 145 Ballet I (2)
DANCE 243 Improvisation/Sound (2)

MUSIC

MUSC 140 Introduction to Classical Music (2)
MUSC 143 Survey of American Jazz (2)
MUSC 144 Cultural Music of the Americas
MUSC 240 Survey of African American Music
MUSC 241 Survey of Latin American Music
MUSC 244 Native American Music
MUSC 245 Music History I
MUSC 246 Music History II
MUSC 247 Music History III

SPEECH

SPEECH 236 Introduction to Cinema

THEATRE

THEATRE 100 Theatre Appreciation (2)
THEATRE 110 Introduction to the Theatre
THEATRE 200 Theatre Activities (1-2)

HUMANITIES (GH)

General Education Core

GENED 120 U.S. Experience in World Context
GENED 390 World of Ideas

AMERICAN INDIAN STUDIES

AMERIND 102 Introduction to American Indian Studies

ENGLISH

ENGLISH 200 Chicano Literature: Historical Context and Contemporary Text
ENGLISH 201 Contemporary Chicano Literature
ENGLISH 206 British Literature Survey I
ENGLISH 216 British Literature Survey II
ENGLISH 226 American Literature Survey I
ENGLISH 236 American Literature Survey II
ENGLISH 251 Classical Myth and Legend as Sources for Literature
ENGLISH 252 The Bible as Literature
ENGLISH 263 The Contemporary Novel
ENGLISH 264 Women in Literature: A Feminist Re-Evaluation
ENGLISH 265 Multicultural Literature of the US
ENGLISH 274 Creative Writing
ENGLISH 281 Introduction to Language Study
ENGLISH 321 Ancient Western Literature
ENGLISH 322 Modern Western Literature
ENGLISH 323 Asian Literatures

SPEECH

SPEECH 240 Public Speaking
SPEECH 359 Rhetoric of the Western World

FOREIGN LANGUAGES

General

FORNLANG 101 Beginning Japanese I (2)
FORNLANG 102 Beginning Japanese II (2)
FORNLANG 141 Beginning Chinese (4)
FORNLANG 142 Beginning Chinese (4)

French

FRENCH 141 Beginning French (4)
FRENCH 142 Beginning French (4)
FRENCH 251 Intermediate French (4)
FRENCH 252 Intermediate French (4)
FRENCH 321 Advance French Language Study
FRENCH 322 Advance French Language Study

German

GERMAN 141 Beginning German (4)
GERMAN 142 Beginning German (4)
GERMAN 251 Intermediate German (4)
GERMAN 252 Intermediate German (4)
GERMAN 321 Advance German Language Study
GERMAN 322 Advance German Language Study

Spanish

SPANISH 141 Beginning Spanish (4)
SPANISH 142 Beginning Spanish (4)
SPANISH 251 Intermediate Spanish (4)
SPANISH 252 Intermediate Spanish (4)

SPANISH 321 Advanced Spanish Language Study
SPANISH 322 Advanced Spanish Language Stud

HISTORY

HISTORY 102 Introduction to American Indian Studies
HISTORY 110 History Through Film
HISTORY 124 American History
HISTORY 125 History of Modern America
HISTORY 130 The East Asian Tradition
HISTORY 131 East Asia Since 1800
HISTORY 141 Modern Black American History
HISTORY 150 Atlantic History
HISTORY 154 Western Civilization
HISTORY 155 History of Modern Europe
HISTORY 165 From Newton to the Nuclear Age: History of Western Science since 1600

HISTORY 190 North American Environmental History
HISTORY 300 American Colonial History to 1763
HISTORY 301 Revolution and Confederation 1763-1789
HISTORY 304 The Age of Civil War and Reconstruction 1850-1877

HISTORY 307 Recent America, 1945 to Present
HISTORY 313 Women in American History I: 1600-1875
HISTORY 314 Women in American History II: 1875 - Present

HISTORY 316 U.S. Social History to 1865
HISTORY 317 U.S. Social History 1865 to Present
HISTORY 324 American Indian History
HISTORY 340 Introduction to African History
HISTORY 342 Early Latin America to 1860
HISTORY 343 Modern Latin America
HISTORY 346 History of Mexico
HISTORY 347 Revolutionary Change in Latin America
HISTORY 351 Rebellion and Revolution in England, 1066-1688

HISTORY 352 Society and Culture in Modern Britain 1763-Present

HISTORY 355 Renaissance and the Reformation
HISTORY 362 American Business History

PHILOSOPHY

PHILSPHY 241 Introduction to Philosophy
PHILSPHY 245 Contemporary Moral Issues
PHILSPHY 247 Bio-Ethics
PHILSPHY 248 Environmental Ethics
PHILSPHY 251 Logic
PHILSPHY 261 Introduction to Ethics
PHILSPHY 271 Introduction to Aesthetics
PHILSPHY 281 Social Philosophy
PHILSPHY 291 Philosophy of the Natural and Social Sciences

PHILSPHY 341 Classical Philosophy
PHILSPHY 342 Modern Philosophy
PHILSPHY 343 American Philosophy
PHILSPHY 345 Contemporary Philosophy
PHILSPHY 365 Philosophy & Religious Perspectives on Death & Dying

RACE and ETHNIC STUDIES

RACEETH 150 Atlantic History

RELIGIOUS STUDIES

RELIGST 201 Critical Issues in Modern Religion
RELIGST 211 Introduction to Eastern Religions
RELIGST 212 Introduction to Western Religions
RELIGST 252 The Bible as Literature
RELIGST 303 Eastern Religious Thought
RELIGST 330 Women & Religion

RELIGST 351 Religion in American Culture
RELIGST 355 Renaissance and the Reformation

SPEECH

SPEECH 240 Public Speaking
SPEECH 359 Rhetoric of the Western World

NATURAL SCIENCES AND MATHEMATICS**Laboratory (GL)****ASTRONOMY**

ASTRONMY 112 Introduction to Astronomy (5)

BIOLOGY

BIOLOGY 120 Biological Foundations (5)
BIOLOGY 141 Biology I: Plant Focus
BIOLOGY 142 Biology II: Animal Focus

CHEMISTRY

CHEM 100 Chemistry for the Consumer (5)
CHEM 102 Introductory Chemistry (5)
CHEM 104 Introductory Chemistry (5)

GEOGRAPHY

GEOGRPHY 210 Physical Geography (5)

GEOLOGY

GEOLOGY 100 Principles of Geology (5)
GEOLOGY 101 Elements of Geology

PHYSICS

PHYSICS 100 Energy
PHYSICS 120 Light and Color
PHYSICS 130 Physics Foundations (5)
PHYSICS 160 General Physics I (4)
PHYSICS 161 General Physics Laboratory I (1)
PHYSICS 162 General Physics II (4)
PHYSICS 163 General Physics Laboratory II (1)
PHYSICS 172 Introductory Physics II
PHYSICS 173 Introductory Physics Laboratory I (1)
PHYSICS 174 Introductory Physics III
PHYSICS 175 Introductory Physics Laboratory II (1)

Non-Laboratory (GM)**General Education Core**

LSINDP 150 Science & Technology in Society

ASTRONOMY

ASTRONMY 114 Descriptive Astronomy

BIOLOGY

BIOLOGY 110 BOB: Biology of the Brain
BIOLOGY 214 Ecology and Society
BIOLOGY 230 Human Sexuality (1)
BIOLOGY 247 Bio-Ethics

COMPUTER SCIENCE

COMPSCI 161 Introduction to Computers
COMPSCI 162 Computer Applications
COMPSCI 171 Introduction to Programming
COMPSCI 181 Introduction to Database and the Web

GEOLOGY

GEOLGY 204 Earth and Life History
 GEOLGY 300 Principles of Oceanography
 GEOLGY 307 Dinosaurs

MATHEMATICS

MATH 143 Finite Mathematics for Business and Social Sciences
 MATH 148 Mathematics for Elementary Teacher I
 MATH 152 Elementary Functions (5)
 MATH 230 Introductory Statistics
 MATH 231 Understanding Probability and Statistics
 MATH 243 Short Calculus for Business and Social Sciences
 MATH 250 Applied Calculus Survey for Business and the Social Sciences (5)
 MATH 253 Calculus and Analytic Geometry I (5)

PHYSICS

PHYSICS 150 From Einstein to Star Trek
 PHYSICS 170 Introductory Physics I
 PHYSICS 210 Descriptive Physics
 PHYSICS 240 Physics of Sound and Music

SOCIAL SCIENCES (GS)**General Education Core**

GENED 130 Individual and Society
 GENED 140 Global Perspectives

ANTHROPOLOGY

ANTHROPL 110 Introductory Anthropology
 ANTHROPL 218 Cultural Anthropology
 ANTHROPL 324 Peoples & Cultures of the Pacific
 ANTHROPL 334 Women in Cross-Cultural Perspective

ECONOMICS

ECON 201 Principles of Microeconomics
 ECON 202 Principles of Macroeconomics
 ECON 213 Economic Principles for Teachers
 ECON 351 Economies of Asia (Emerging Markets)

GEOGRAPHY

GEOGRPHY 250 Geography of Wisconsin
 GEOGRPHY 252 Human Environmental Problems
 GEOGRPHY 261 Geography of Canada and the United States of America

INTERNATIONAL AREA STUDIES

INTRNAR 280 Introduction to Australian Studies: Australian Society & Culture

POLITICAL SCIENCE

POLISCI 141 American Government and Politics
 POLISCI 217 Ethnic Politics
 POLISCI 247 Issues and Crises in American Politics
 POLISCI 250 Introduction to Political Theory
 POLISCI 255 Introduction to Comparative Politics

PSYCHOLOGY

PSYCH 104 Psychology of Human Adjustment
 PSYCH 202 Psychology of Women
 PSYCH 211 Introductory Psychology

SOCIOLOGY

SOCIOLOGY 140 Introduction to Sociology
 SOCIOLOGY 250 Social Problems

SOCIOLOGY 252 Marriage and the Family
 SOCIOLOGY 265 Race and Ethnic Relations
 SOCIOLOGY 270 The African American Community: A Sociological Perspective

SOCIOLOGY 276 Introduction to Criminology
 SOCIOLOGY 280 Introduction to Australian Studies: Australian Society & Culture

SOCIOLOGY 290 Sociology of Pacific Asia

SPEECH

SPEECH 131 Introduction to Mass Communication
 SPEECH 232 Foundations of Electronic Media
 SPEECH 325 Psychology of Speech
 SPEECH 420 Listening Behavior
 SPEECH 424 Cross Cultural Communication

WOMEN'S STUDIES

WOMENST 380 Gender and the Law

PHYSICAL EDUCATION (GP)**HEALTH, PHYSICAL EDUCATION, RECREATION AND COACHING**

PEGNRL 103 Beginning Archery (1/2)
 PEGNRL 104 Beginning Badminton (1/2)
 PEGNRL 106 Beginning Aerobic Exercise and Dance (1/2)
 PEGNRL 108 Beginning Bowling (1/2)
 PEGNRL 109 Intermediate Bowling (1/2)
 PEGNRL 113 Intermediate Aerobics Exercise and Dance (1/2)
 PEGNRL 120 Beginning Golf (1/2)
 PEGNRL 121 Intermediate Golf (1/2)
 PEGNRL 141 Beginning Yoga (1/2)
 PEGNRL 142 Intermediate Yoga (1/2)
 PEGNRL 143 Beginning Folk Dance (1/2)
 PEGNRL 144 Beginning Social Dance Classic (1/2)
 PEGNRL 147 Beginning Social Dance (1/2) (Latin & Midwestern)
 PEGNRL 150 Beginning Swimming (1/2)
 PEGNRL 151 Intermediate Swimming (1/2)
 PEGNRL 158 Beginning Skin and Scuba Diving (1)
 PEGNRL 159 Beginning Canoeing (1)
 PEGNRL 160 Beginning Tennis (1/2)
 PEGNRL 167 Beginning Weight Training (1/2)
 PEGNRL 170 Beginning Self Defense (1/2)
 PEGNRL 175 Beginning Tae Kwon Do: Karate (1/2)
 PEGNRL 176 Intermediate Tae Kwon Do Karate (1/2)
 PEGNRL 180 Open Water Scuba "Check-Out Dives" (1)
 PEGNRL 183 Exercisewalking (1/2)
 PEGNRL 187 Military Conditioning I (1)
 PEGNRL 190 Swim For Fitness (1/2)
 PEGNRL 192 Personal Health and Fitness for Life (1)
 PEPROF 251 Water Safety Instructor
 PEPROF 291 Lifeguarding (2)

RACE AND ETHNIC CULTURES OR WOMEN'S STUDIES (GE)**RACE and ETHNIC STUDIES**

RACEETH 217 Ethnic Politics

AFRICAN AMERICAN STUDIES

AFRIAMR 100 Introduction to Black Culture
 AFRIAMR 141 Modern Black American History
 AFRIAMR 270 African American Community: A Sociological Perspective

AFRIAMR 320	A History of Black Migration in the U. S.
AFRIAMR 396	Current Issues in Black Studies: Social & Behavioral Sciences
AFRIAMR 397	Current Issues in Black Studies: Humanities

CHICANO STUDIES

CHICANO 150	Introduction to Chicano Studies
CHICANO 200	Chicano Literature: Historical Context and Contemporary Text
CHICANO 201	Contemporary Chicano Literature
CHICANO 310	History in the U.S.: 19th Century Roots and 20th Century Development
CHICANO 320	Politics of the Chicano
CHICANO 330	Chicano and Latino American Thought

RACE and ETHNIC STUDIES

RACEETH 217	Ethnic Politics
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WOMEN'S STUDIES

WOMENST 100	Introduction to Women's Studies
WOMENST 240	Women and Work
WOMENST 250	Women in American Culture
WOMENST 370	Women: Race and Ethnicity

INTERDISCIPLINARY (GI)

INTRAUNV 104	New Student Seminar
INTRAUNV 200	Perspectives on Nuclear War
INTRAUNV 244	Consumers and Culture
INTRAUNV 246	Business Ethics

CURRICULUM & INSTRUCTION

CIGENRL 214	Informing the Ed Consumer
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COMMUNICATIVE DISORDERS

COMDIS 270	Introduction to Communicative Disorders
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EDUCATIONAL FOUNDATIONS

EDFOUND 243	Education in a Pluralistic Society
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OCCUPATIONAL & ENVIRONMENT SAFETY & HEALTH

SFTYGEN 201	Personal and Public Safety
SFTYGEN 255	Alcohol and Other Drugs

SPECIAL EDUCATION

SPECED 201	Disability in Society
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DIVERSITY COURSE OPTIONS

The courses listed also count in General Education unless identified with an asterisk (*).

AFRICAN AMERICAN STUDIES

AFRIAMR 100	Introduction to Black Culture
AFRIAMR 141	Modern Black American History
AFRIAMR 270	African American Community
AFRIAMR 320	A History of Black Migration in the United States
AFRIAMR 345	African-American Literature, 1800 - Present
AFRIAMR 365*	Black Political and Social Thought
AFRIAMR 392*	African American Families
AFRIAMR 396	Current Issues in Black Studies: Social & Behavioral Science
AFRIAMR 397	Current Issues in Black Studies: Humanities

AMERICAN INDIAN STUDIES

AMERIND 102*	Introduction to American Indian Studies
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ART**CHICANO STUDIES**

CHICANO 200	Chicano Literature: Historical Context & Contemporary Text
CHICANO 201	Contemporary Chicano Literature
CHICANO 310	History in the US: 19th Century Roots & 20th Century Development
CHICANO 320	Politics of the Chicano
CHICANO 330	Chicano and Latino American Thought

EDUCATIONAL FOUNDATIONS

EDFOUND 243*	Education in a Pluralistic Society
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ENGLISH

ENGLISH 200	Chicano Literature: Historical Context & Contemporary Text
ENGLISH 201	Contemporary Chicano Literature
ENGLISH 265	Multicultural Literature of the U.S.
ENGLISH 345*	Afro-American Literature, 1800 to Present
ENGLISH 368*	American Minority Women Writers
ENGLISH 369	Multicultural Drama of the United States

GEOGRAPHY

GEOGRPY 430*	Geography of Race and Ethnicity in the United States
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HISTORY

HISTRY 102	Introduction to American Indian Studies
HISTRY 141	Modern Black American History
HISTRY 324	American Indian History

MUSIC

MUSC 144	Cultural Music of the Americas
MUSC 240	Survey of African American Music
MUSC 241	Survey of Latin American Music
MUSC 244	Native American Music
MUSC 450	Survey of World Musics

POLITICAL SCIENCE

POLISCI 217	Ethnic Politics
POLISCI 365	Black Political and Social Thought

RACE AND ETHNIC CULTURES

RACEETH 217	Ethnic Politics
RACEETH 368*	American Minority Women Writers
RACEETH 380*	Race, Ethnicity, and Social Justice: Issues for Helping Professionals

SOCIOLOGY

SOCIOLOGY 265	Race and Ethnic Relations
SOCIOLOGY 270	The African American Community: A Sociological Perspective
SOCIOLOGY 391*	Processes and Patterns of Racial/Ethnic Inequality
SOCIOLOGY 392*	African American Families

SOCIAL WORK

SOCWORK 380*	Race, Ethnicity, and Social Justice: Issues or Helping Professionals
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SPEECH

SPEECH 424	Cross Cultural Communication
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THEATRE

THEATRE 369

Multicultural Drama of the United States

WOMEN'S STUDIES

WOMENST 370

Women: Race and Ethnicity

* Not General Education Courses

WAIVING OR SUBSTITUTING FOR A REQUIRED COURSE:

The chairperson of the major or minor department may waive a required course within the major/minor if mastery of the course content can be demonstrated. However, other coursework must be completed to meet the minimum unit requirement for the major/minor.

A required course from a department other than the major or minor can be waived or substituted by: 1) the dean of the college of the degree if the course is in the college or degree requirements; 2) the Assistant Dean for Letters and Sciences if the requirement is in general education or diversity; or 3) the college dean of the course in the proficiency area. In selected cases, departments may waive a course in their own department based upon high school background or departmental exam.

Students may not take for credit any course for which they have received a waiver, nor may they take for credit any course in the same department that is a prerequisite for a course that has been waived (e.g., if a student has been waived from Math 143, he may not take Math 141 for credit).

WAIVER OF SPEECH: Speech 110 is granted upon successfully fulfilling the following two requirements which can be attempted only once by each student:

1. Written Examination

Contact the Office of Testing & Student Affairs Research (472-5613) and arrange to take the speech waiver exam during the first two weeks of classes. Results of said exam will be posted at Heide 465 during the following week. A score of 80% correct is required to pass the written examination.

2. Speaking Requirement

After selecting a topic supplied by the speech department, the student will have a minimum of three days to prepare a 5-7 minute persuasive speech. Three members of the speech department will evaluate this speech. If it is decided that the speech is 'B' or better, the student will be waived from Speech 110. Results will be posted the following day at Heide 465.

ENGLISH AND MATHEMATICS COURSE PLACEMENT

All students are required to take an ACT or SAT I test. At UW-Whitewater, English and/or Math course placement is based on ACT/SAT I sub scores:

MATHEMATICS**ACT/SAT I COURSE**

24+/550+

19-23/460-549

15-18/350-459

01-14/200-349

waived from math proficiency

Math 140 or 141

Math 041

Arithmetic Skills Test

ENGLISH**ACT/SAT I COURSE**

30+/680+

17-29/430-670

01-16/200-420

English 101 waived, placement in English 102

English 101

Placement in English 090

Students who are eligible to participate in the Honors Program and have at least a 24 English ACT subscore may enroll in English 105H, which replaces both English 101 and 102 and satisfies the Communication and Calculation Skills writing requirement.

Students who took ACT tests prior to September 1989 should contact the Testing Center for an interpretation of their scores.

Students who are waived from Mathematics 141, English 101 and/or Speech 110 have satisfied that General Education proficiency requirement.

Students may not take for credit any course for which they have received a waiver, nor may they take for credit any course in the same department that is a prerequisite for a course that has been waived (e.g., if a student has been waived from Math 143, he may not take Math 141 for credit).

Waiver of any course does not reduce the total number of units required for graduation.

ACADEMIC PROGRAM ARRAY

The complete array of all undergraduate programs available at this university is listed on these pages. Each degree is composed of a package of courses which include the General Education, the specific College degree requirements, writing competency, diversity, the major requirements, the minor requirements (when necessary) and any other unique requirements specific to each major. A minimum of 120 units is required although some programs require more than the minimum and each program has a designated minimum grade point average requirement. To graduate a 2.0 ("C") UW-Whitewater cumulative grade point average is required as well as a 2.0 combined GPA in the major and the minor; however, many programs require higher grade point averages for admission to and graduation from the program. Each of these is detailed in the college and department sections.

ACADEMIC YEAR REQUIREMENTS

Students are responsible for meeting all degree requirements in effect at the University of Wisconsin-Whitewater at the time of the declaration of their current major unless they interrupt their attendance at Whitewater by an absence of four or more consecutive academic terms (including Summer School), in which case upon re-entry they will be subject to the requirements in effect at that time.

Therefore, as students enter the University, an academic year is assigned to their record. They will be held to that set of degree requirements for graduation unless they change majors. Although the University Catalog is published every two years, academic year requirements will be monitored on a year-by-year basis. Students entering the University for the first time in a Summer Session will be held to the following fall terms requirements. New students registering for fall term will be held to the curricular changes approved the preceding academic year. If a department or college curricular change is made retroactive (due to unusual circumstances), the responsibility is then assumed by the unit making the change to notify all students affected by that change in a timely manner. Students have the option of requesting a more current set of academic requirements at any time by reporting to their advising location. However, it is not possible to satisfy an earlier set of requirements without permission from the dean of the college of the major. The academic year on students' records will be updated automatically as part of the change of major process. All subsequent ARs will reflect the later set of requirements, if the requirements have changed since initial entry into the University.

CURRICULUM/DEGREE

AA-Associate of Arts	ECONOMICS L&S	BA/BS
	ECONOMICS	BBA
BA-Bachelor of Arts	ECONOMICS EDUCATION	BSE
Arts and Communication	ELEMENTARY EDUCATION	
Liberal Arts	PRE-KINDERGARTEN - 6	BSE
Education	ELEMENTARY/MIDDLE	BSE
	ENGLISH	
BBA-Bachelor of Business Administration	ENGLISH	BA/BS
	ENGLISH EDUCATION	BSE
BFA-Bachelor of Fine Arts	ENGLISH WRITING	BA/BS
	ENGLISH WRITING-EDUCATION	BSE
BM-Bachelor of Music	FINANCE	
	FINANCE	BBA
BS-Bachelor of Science	FINANCIAL PLANNING	BBA
Arts and Communication	INSURANCE	BBA
Liberal Arts	REAL ESTATE	BBA
Education	FRENCH	BA/BS/BSE
	GENERAL BUSINESS	
BSE-Bachelor of Science-Education	ENTREPRENEURSHIP	BBA
Business Education	GENERAL	BBA
Elementary Education	INTERNATIONAL	BBA
Secondary Education	GENERAL MANAGEMENT	BBA
Special Education	GENERAL SCIENCE-BROADFIELD	
	BIOLOGY	BSE
Pre-Professional Programs	CHEMISTRY	BSE
Chiropractic	EARTH SCIENCE	BSE
Dentistry	PHYSICAL SCIENCE	BSE
Engineering	PHYSICS	BSE
Law	GEOGRAPHY	
Medicine	GEOGRAPHY	BA/BS
Optometry	GEOGRAPHY EDUCATION	BSE
Pharmacy	INTERNATIONAL/REGIONAL	BA/BS
Veterinary Medicine	TECHNIQUES	BA/BS
	PHYSICAL/ENVIRONMENTAL	BA/BS
	URBAN/AREA DEVELOPMENT	BA/BS
	GERMAN	BA/BS/BSE
	HISTORY	
	HISTORY	BA/BS
	SECONDARY EDUCATION	BSE
	HUMAN RESOURCE MANAGEMENT	
	GENERAL	BBA
	INDIVIDUALLY DESIGNED	
	WITH A MINOR (A&C)	BA
	WITHOUT A MINOR (A&C)	BA
	WITH A MINOR (L&S)	BA/BS
	WITHOUT A MINOR (L&S)	BA/BS
	INTERNATIONAL STUDIES	BA/BS
	INTEGRATED SCIENCE/BUSINESS	BBA/BS
	JOURNALISM	
	ADVERTISING	BA/BS
	BROADCAST	BA/BS/BSE
	INTERNATIONAL 3/1	BA/BS
	PRINT	BA/BS/BSE
	LIBERAL STUDIES	
	WITH A MINOR	BA/BS
	WITHOUT A MINOR	BA/BS
	MANAGEMENT COMPUTER SYSTEMS	
	MGNT COMPUTER SYSTEMS	BBA
	WITH A MINOR	BS
	WITHOUT A MINOR	BS
	MARKETING	BBA
	MATHEMATICS	
	PURE MATHEMATICS	BA/BS
	SPACE MATHEMATICS	BA/BS
	MATH STATISTICS	BA/BS
	MATHEMATICS EDUCATION	BSE
	MUSIC	
	MUSIC BA	BA
	MUSIC ED CHORAL	BM
	MUSIC ED GENERAL	BM

MAJORS/EMPHASES

(Emphasis areas are indented)

TITLE	DEGREE
ACCOUNTING	BBA
ART	
ART	BA
ART GRAPHIC DESIGN	BA
ART LICENSURE	BA
ART HISTORY	BA
FINE ARTS	BFA
FINE ARTS LICENSURE	BFA
FINE ARTS GRAPHIC DESIGN	BFA
ART EDUCATION	BSE
BIOLOGY	
GENERAL BIOLOGY	BA/BS/BSE
CELL/PHYSIOLOGY	BA/BS/BSE
ECOLOGY/FIELD	BA/BS/BSE
MARINE & FRESHWATER ECOLOGY	BA/BS
THREE YEAR PRE-PROFESSIONAL	BS
BUSINESS EDUCATION	
BUSINESS ED	BSE
BUSINESS ED COMPREHENSIVE	BSE
MARKETING ED COMPREHENSIVE	BSE
CHEMISTRY	
CHEMISTRY	BA/BS
CHEMISTRY EDUCATION	BSE
COMMUNICATIVE DISORDERS	
COMMUNICATIVE DIS EDUC	BSE
COMMUNICATIVE DISORDERS	BA/BS
COMPUTER END-USER TECHNOLOGIES	BBA
ECONOMICS	

MUSIC ED INSTRUMENTAL	BM	ART STUDIO
PERFORMANCE	BM	ART HISTORY
THEORY/HISTORY	BM	ARTS MANAGEMENT
OCCUPATIONAL SAFETY	BSE	ASIAN STUDIES
PHYSICAL EDUCATION		BILINGUAL/BICULTURAL
K-9	BSE	BIOLOGY
K-12	BSE	BIOLOGY
K-12 NON-LICENSURE	BSE	BIOLOGY EDUCATION
PHYSICS		BUSINESS STUDIES
GRADUATE SCHOOL	BA/BS	ACCOUNTING
INDUSTRY	BA/BS	BUSINESS LAW
PHYSICS EDUCATION	BSE	COMPUTER END USER TECHNOLOGIES
POLITICAL SCIENCE		FINANCE
POLITICAL SCIENCE	BA/BS	GENERAL BUSINESS
POLITICAL SCIENCE EDUCATION	BSE	MANAGEMENT GENERAL
PROD OPERATIONS MANAGEMENT	BBA	MANAGEMENT HUMAN RESOURCE
SERVICE MANAGEMENT	BBA	MANAGEMENT PRODUCTION
SUPPLY CHAIN MANAGEMENT	BBA	MARKETING
PSYCHOLOGY		CHEMISTRY
PSYCHOLOGY	BA/BS	COACHING
PSYCHOLOGY EDUCATION	BSE	COACHING
PUBLIC POLICY & ADMINISTRATION	BS	EDUCATION
SOCIAL STUDIES-BROADFIELD		COMMUNICATIVE DISORDERS
ECONOMICS OPTION I	BSE	COMPUTER SCIENCE
ECONOMICS OPTION II	BSE	COMPUTER SCIENCE
GEOGRAPHY OPTION I	BSE	COMPUTER SCIENCE EDUCATION
GEOGRAPHY OPTION II	BSE	CRIMINAL JUSTICE
HISTORY OPTION I	BSE	DANCE
HISTORY OPTION II	BSE	DANCE
POLITICAL SCIENCE OPT I	BSE	SECONDARY EDUCATION
POLITICAL SCIENCE OPT II	BSE	ECONOMICS
PSYCHOLOGY OPTION I	BSE	ECONOMICS L&S
PSYCHOLOGY OPTION II	BSE	SECONDARY EDUCATION
SOCIOLOGY OPTION I	BSE	ENGLISH
SOCIOLOGY OPTION II	BSE	ENGLISH
SOCIAL WORK	BA/BS	ENGLISH EDUCATION
SOCIOLOGY		ENGLISH WRITING
CRIMINAL JUSTICE	BA/BS	ENGLISH WRITING-EDUCATION
SOCIOLOGY	BA/BS	ENVIRONMENTAL STUDIES
SOCIOLOGY EDUCATION	BSE	FAMILY & HEALTH STUDIES
SPANISH	BA/BS/BSE	FRENCH
SPECIAL EDUCATION		FRENCH
EARLY CHILDHOOD	BSE	FRENCH EDUCATION
EMOTIONAL/BEH DISORDERS K-9	BSE	GENERAL SCIENCE
EMOTIONAL/BEH DISORDERS 6-12	BSE	GEOGRAPHY
LEARNING DISABILITIES K-9	BSE	GEOGRAPHY
LEARNING DISABILITIES 6-12	BSE	GEOGRAPHY-ELEMENTARY
COGNITIVE DISABILITIES ELEMTRY	BSE	GEOLOGY
COGNITIVE DISABILITIES SECONDARY	BSE	GERMAN
SPEECH		GERMAN
ELECTRONIC MEDIA	BA/BS	GERMAN EDUCATION
ORGANIZATIONAL COMMUNICATION	BA/BS	GERONTOLOGY
PUBLIC COMMUNICATION	BA/BS	HEALTH
PUBLIC RELATTONS	BA/BS	HEALTH
THEATRE		HEALTH EDUCATION
DESIGN/TECHNOLOGY	BFA	HISTORY
MANAGEMENT/PROMOTION	BFA	HISTORY
PERFORMANCE BFA		HISTORY-ELEMENTARY
THEATRE EDUCATION	BSE	HISTORY-SECONDARY
WITH A MINOR	BA	HUMAN SERVICES FOUNDATIONS
WOMEN'S STUDIES	BA/BS	INDIVIDUALIZED (A&C)
		INDIVIDUALIZED (L&S)
		INTERNATIONAL STUDIES
		JOURNALISM
		LATIN AMERICAN STUDIES
		LEADERSHIP & MILITARY SCIENCE
		LEGAL STUDIES
		LIBRARY-MEDIA
		K-12

MINORS/EMPHASES

(Emphasis areas are indented)

ADVERTISING
ART
 ART

PUBLIC-SPECIAL
 MATHEMATICS
 MATHEMATICS
 MATHEMATICS-ELEMENTARY
 MATHEMATICS-SECONDARY
 MUSIC
 PHILOSOPHY
 PHILOSOPHY
 PHILOSOPHY EDUCATION
 PHYSICAL SCIENCE
 PHYSICS
 PHYSICS
 SECONDARY EDUCATION
 POLITICAL SCIENCE
 LEGAL STUDIES
 POLITICAL SCIENCE
 SECONDARY EDUCATION
 PSYCHOLOGY
 BUSINESS
 PSYCHOLOGY
 SECONDARY EDUCATION
 PUBLIC ADMINISTRATION
 RACE AND ETHNIC CULTURES
 RECREATION LEISURE STUDIES
 EDUCATION
 LETTERS AND SCIENCES
 SAFETY STUDIES
 INSTITUTIONAL SAFETY
 LETTERS AND SCIENCES
 OCCUPATIONAL SAFETY
 TRAFFIC SAFETY
 SOCIAL STUDIES-ELEMENTARY
 SOCIOLOGY
 SPANISH
 SPANISH
 SPANISH-EDUCATION
 SPECIAL EDUCATION (NON-LICENSURE)
 SPEECH
 ELEMENTARY EDUCATION
 GENERAL
 PUBLIC RELATIONS
 SECONDARY EDUCATION
 TEACHING ESL FOR ADULTS
 TEACHING ESL K-12
 THEATRE
 THEATRE
 THEATRE EDUCATION
 URBAN AND AREA DEVELOPMENT
 WOMEN'S STUDIES

of work per week (144 hours/semester).

ACADEMIC LOAD: The average minimum course load to graduate in eight Fall/Spring terms is 15 unit hours. A maximum of 18 units may be taken if students are in good standing. There is a 12-unit maximum for all students in summer term and a 6-unit maximum for special students without credentials during the regular terms. Students will be limited to 15 units per Fall/Spring term if they have less than a 2.00 grade point average, are admitted on probation, or are a new freshman who ranks in the lower one-half of their high school graduating class and scores in the lower one-half on the American College Test (ACT) or the Scholastic Aptitude Test (SAT). Permission of the dean of the college in which students are enrolled must be received before they can carry more than the maximum units allowed according to their academic standing.

Students will not be permitted to enter a course after the fifth day of classes for the term. Exceptions to the deadline must be obtained from the dean of the college of the course. Students will be held responsible for the completion of all courses for which they are registered on that date unless they officially withdraw from the University or officially drop the course by proper procedures. (See Course Enrollment Options section for procedures.)

CLASSIFICATION: Determined by the cumulative number of units satisfactorily completed as follows:

New Freshman	0 units (excluding college units earned while in high school)
Other Freshman	1-23.9 units
Sophomore	24-59.9 units
Junior	60-89.9 units
Senior	90 units or more

SCHEDULE OF CLASSES: Published each term by the Registrar's Office, it includes all policies, procedures, courses offered with their requisites, and other information pertinent to registration.

ADD/DROP

POLICIES AND PROCEDURES: Students who participate in priority registration may make schedule changes by the on-line WINS Registration System through the deadline date. The last day to add a 17-week course is the fifth day of classes. The last day to add a short course (or 8-week course) is the second class period. Students must have written approval of the dean of the course to add a class after the last day to add a class has passed. Students may drop courses through the sixth week of the Fall/Spring Term. Short-term courses may be dropped through Friday of the week in which 33% of the course is completed. Drops must be done through the WINS Registration System. Note the fee reduction schedule for dropped courses in the Schedule of Classes, because there may be a charge for any course dropped after the first week of classes. Also refer to the Standards of Academic Progress in the Schedule of Classes. A review of the course drop policy is as follows:

1. A "W" grade will appear on student academic records (transcripts) for all courses dropped after the tenth day of instruction. This "W" grade notation will also appear on the records of students who withdraw from the University after the tenth day. **THEREFORE A COMMITMENT MUST BE MADE TO THE COURSE BY THE TENTH DAY, OR IT SHOULD BE DROPPED TO AVOID THE "W" GRADE.** The fifth day of classes will be the deadline for short-term courses and for Summer Term courses.
2. Students who never attend or stop attending a course are responsible for dropping the course.

REGISTRATION

Official registration for any session is accomplished only after students have: (1) been admitted and granted permission to register, (2) obtained advising as determined by the major department, (3) made a registration deposit, and (4) completed the process via the WINS Registration system. Students may not attend a course/section without properly registering for it or adding it to their schedule of classes. Registration may not be permitted for any session after the last date of registration. The University reserves the right to close registration before the deadline if its enrollment capacity has been reached.

UW SYSTEM STANDARD FOR WORK PER UNIT: The UW System standard for work per unit (credit) is that the students are expected to invest at least 3 hours of combined in-class and out-of-class work per week for each academic unit (credit) of coursework; thus, a 3-credit course will typically require a minimum of 9 hours

COURSE REPEAT POLICY

GENERAL: Courses may not be taken for credit more than once unless they are identified in the Catalog as “Repeatable”. If a course is repeatable, the limitations on the number of times or maximum number of credits that may be applied to the major/minor, degree or graduation credits will be indicated. This policy also applies to transfer courses: a student may not take a course for credit at UW-Whitewater if the student has received transfer credit for taking that course at another institution unless the UW-Whitewater Catalog lists the course as repeatable (except as described below for grade point average adjustment).

GRADE POINT AVERAGE ADJUSTMENT: At the undergraduate level, students may repeat for grade replacement any course in which they earned a grade of D or F, under the following conditions.

1. The student has not received credit for a higher level course in the same department for which the course to be repeated is a prerequisite or corequisite (e.g., a student who has received credit for English 102 may not repeat English 101).
2. The grade and the credits earned in the first repeat of a course will replace those earned in the initial attempt for purposes of calculating grade point average and credits toward degree (e.g., if a student repeats a course in which a grade of D was earned and receives a B in the repeat, only the B and the credits earned in the repeat will be included in the gpa and credits to degree; if the student receives an F, only the F will be included in the gpa and the student loses the credits for the course).
3. In situations where a course has a change in the number of credits offered (e.g., a 5-credit course becomes a 4-credit course), students who repeat for grade replacement will have credits and grades for the first attempt replaced by credits and grades for the second attempt (e.g., a 5-credit D would become a 4-credit C, or a 4-credit D would become a 3-credit A).
4. Only the first repeat of a course may be applied to grade replacement; if the student does not earn credit for the course on the first repeat, any additional attempts in the course will be included in the gpa calculation until the student does earn credit for the course.
5. All repeats must be taken for conventional grades, not satisfactory/no credit.
6. Courses taken initially at UW-W may be repeated only at UW-W; they may not be taken at another institution to replace the UW-W grade.
7. Students may repeat a D or F grade earned at a transfer institution if the course has a direct UW-W equivalent and the course attempted only once prior to transfer to UW-W. Students who repeat a transfer course will receive UW-W course credits regardless of the number of credits the course carried at the transfer institution (e.g., a student repeating a 4-credit transfer course with a 3-credit UW-W course will receive only the 3 UW-W credits). All other repeat regulations apply.

Students are limited to a total of 3 repeats for grade replacement during their undergraduate work at UW-W, including repeats of courses transferred in. To allow for extenuating circumstances, students may be granted up to 2 additional repeats for grade replacement by appeal to the Dean of their major. This repeat regulation applies to any courses for which a student receives a grade beginning with the Fall Term 2000 and any term thereafter including Summer and Winterim. Developmental Studies English and Math courses are not included in this regulation.

The initial attempt of repeated courses, including the grade, remains in the permanent record on the transcript even though it is not included in the gpa calculation. Students should be aware that graduate schools and other institutions to which they might wish to transfer may not accept repeats and may include all grades in calculating gpa for admission.

Athletes should check with their coaches before repeating courses in which a grade of D was earned, as it may affect their athletic eligibility. Students receiving veterans' benefits may not count in benefit level determination those credits for which D's were previously earned.

REPEAT FOR NO CREDIT: Under certain circumstances (e.g., if a

grade of C or B is required for a student to proceed to a subsequent course or to remain in a major), a course in which a C grade (or a D grade in a repeat for grade replacement) or above was earned may be repeated, but the new grade and credits will not be included in either the term or the cumulative gpa. Both attempts will be reflected on the permanent academic record, with the second identified as “no credit.” Students considering this option should confer with the department offering the course and inform the Registrar's Office of their decision at the time of registration, or the course registration may be cancelled.

GRADING BASIS

REGULAR/CONVENTIONAL LETTER GRADE: UW-Whitewater course enrollments for regular/conventional letter grades are used in the calculation of the student grade point averages. The letter grades, and their associated honor points, are as follows:

Conventional Grades	Honor Points
A--Superior	4
B--Above Average	3
C--Average	2
D--Poor	1
F--Failure	0

More information about the regular/conventional grade and the grade point average is available under the Grading System section of this Catalog.

SATISFACTORY/NO CREDIT: Special permission is not needed to enroll for a course on a satisfactory/no credit basis. The S/NC option may be selected by using the WINS Registration system during the add/drop period, provided the limitations listed below are followed:

1. The S/NC option will be limited to a maximum of fifteen (15) units in an undergraduate degree program. Developmental courses (040 or 090) that do not count toward the minimum units necessary for graduation, and unit courses offered only on an S/NC basis, are not included in the fifteen-unit limitation.
2. Courses that fulfill a student's major/minor requirements, the lower/upper BBA degree requirements, any College of Business and Economics course attempted by a BBA student, and the General Education core courses may not be taken on an S/NC basis unless the course is offered only on an S/NC basis by the department. Proficiency, General Education options, unique major/minor, and elective courses may be taken on an S/NC basis.
3. The S/NC option is available to any student without regard to grade point average or class standing. The decision to take a course for S/NC must be recorded by the tenth day of class for 17-week courses and by the end of the second day of class for short courses. The decision for S/NC basis for off-campus courses must be made prior to the third class period.
4. Satisfactory (S) is the equivalent of a grade of C or better. The S will be recorded on the permanent record, but it will not be computed in the grade point average. Course work that does not merit a C or better will be graded NC. The NC grade will appear on the permanent record, but the course units will not be counted in units to degree or the grade in the grade point average. If a course in which an NC grade was earned is repeated, it must be attempted on a conventional grade basis.
5. The S/NC option cannot be used to repeat a course taken for a conventional (ABCD) grade under the Repeat Policy. Veterans should refer to the VA Educational Assistance section for information related to this grading option.

AUDIT POLICY: For purposes of audit, there are two categories of students per UW-System policy: 1) students who are taking courses on an audit-only basis, with no courses for credit; 2) students who are taking a combination

of courses for credit and courses for audit.

Audit-Only Enrollees: Students who are auditing courses only may do so under the following stipulations:

1. Wisconsin residents (Wis Stats 36-27 (2)) will pay 30% of the normal per unit resident academic fee and non-residents will pay 50% of the normal non-resident fee per the fee chart. No audit fees will be assessed disabled Wisconsin residents who are receiving federal old age survivors and disability insurance benefits (OASDI) under 42 USC 401 to 433, or Wisconsin residents age 60 or over.
2. Students will register on a space available basis with departmental permission in the week immediately prior to the start of classes. Remedial English (ENGLISH 090) and mathematics (MATH 040 and MATH 041) may not be taken as audit-only.
Note: Auditing of Art Department courses may be restricted. See department for restrictions.
3. Any special course fees other than the normal tuition charges will be assessed and paid by the student.
4. Students registering under this option cannot change their courses to a credit grade basis during the term of enrollment.
5. An audit (X) symbol will be recorded on the academic record provided the instructor reports satisfactory attendance.
6. A fee of approximately \$2.50 per unit will be assessed for required texts.
7. Access to University services will be limited to the library and to non-segregated fee funded activities of the University Center. A special identification card will be issued for auditors which will permit this limited access.
8. Regent, University, and Student Government regulations applying to other students will apply equally to audit-only enrollees.

Audit and Unit Combination Enrollees: Students who are taking a combination of courses for regular credit and for audit will pay the regular fees for all units based upon the fee chart. The following stipulations will also apply:

- a. The decision to audit must be finalized and recorded by the tenth day of classes for 16 or 17-week courses and by the end of the second class day for shorter courses.
- b. No unit will be granted for the audit course, but an audit (X) symbol will appear on the academic record, provided the instructor reports satisfactory attendance.
- c. The audit course may be repeated for unit in another term.
- d. Audits do not count as units for either veteran benefit certification or financial aid consideration.

C/NC – COURSE NON-CAREER: Undergraduate students who receive permission to enroll in graduate level courses will automatically be assigned the C/NC grade basis. Upon completion of the courses, students will receive no earned credits/units toward their undergraduate programs and the grades will not factor into the undergraduate grade point averages. Graduate students taking undergraduate course(s) are automatically assigned the C/NC grade basis and receive undergraduate credit for the courses but no credits/units are awarded toward their graduate degrees.

I – INCOMPLETES: If students have been doing passing work until near the end of a term or summer school and then, because of illness or other unavoidable circumstances, are prevented from completing the work, their instructor may give them an “incomplete” and extend to them the privilege of completing the work at a later date. The instructor must give specific directions for the completion of the course on a Contract for Incomplete or Progress Grade and submit it to the Registrar with the final grades. An incomplete course must be completed within the agreed time but no later than the beginning of the exam period for the next term (excluding summer), or the grade automatically becomes an F unless a

default grade was submitted by the teacher with the incomplete grade, in which case the default grade will be assigned. If awarded in the term of graduation, the make-up period is 30 days maximum. In no case will students be given an incomplete when, through their own fault, they failed to complete the requirements of the course on time or failed to report for the final examination as scheduled. If the course work is not completed in the allotted time and a grade change submitted by the instructor, the incomplete will automatically be changed to an F grade prior to the grading cycle following the deadline.

ABSENCES

The notifying of instructors and arranging of make-up work in cases involving absence of students from class are the responsibility of the student. A student who is absent should notify instructors by phone or in person of the absence as soon as possible. If contact with instructors cannot be made directly, the student should see that a note is placed in each instructor's mailbox, explaining the nature of the situation and inquiring about the effect of the absence on the student's course work. If that is impossible, the student should call the academic departments involved.

In serious situations where the student is incapacitated and temporarily unable to perform the aforementioned responsibilities, family members may contact the Office of New Student Programs & First Year Experience (phone 262-472-3205) for assistance with these matters. The New Student Programs & First Year Experience office would then provide notification (not verification) of the absence to the instructors involved; however, arrangements for make-up work, make-up exams or possible assignment adjustments are entirely the responsibility of the student. The Student Health Service and the New Student Programs & First Year Experience offices do not provide excuses for absences from class due to illness.

If students have questions or need consultation regarding specific situations, they are encouraged to contact their instructors or the academic department involved.

WITHDRAWAL FROM THE UNIVERSITY

Students who find it necessary to leave the University while the term for which they are registered is still in session should report to the Registrar's office and initiate a withdrawal form. The following conditions apply:

- a. If the withdrawal is initiated within the first ten class days of the fall/spring term, there will be no academic penalty.
- b. If the withdrawal is after the tenth day of classes in a Fall/Spring Term or fifth day in summer session, “W” grades will be recorded for each of the courses in which the student is enrolled at the time of withdrawal.
- c. If withdrawal is after the tenth day of classes, but the student was enrolled for six or more units on the tenth day, a whole or a partial Fall/Spring Term of eligibility will have been lost for financial aid.
- d. The last day to withdraw from the University is 15 days prior to the end of the Fall/Spring Term (exam days included) and as published in Calendar announcements for all other terms.
- e. Withdrawals processed after the last day to withdraw will result in the student receiving grades of “F” in those courses which are not being passed at the time of withdrawal, and the student may be suspended for not meeting the minimum grade point requirement.
- f. Withdrawal does not affect the academic progression warning policy, but it may affect financial aid eligibility.

Failure to officially withdraw when leaving the University may result in students receiving failing grades in those courses for which they were enrolled. This may cause a problem in an attempt to return to the University or transfer to another institution. If students must withdraw for medical reasons, they may petition to have a portion of their academic charges reduced. The appeal process is initiated in the Office of Assistant

Chancellor for Student Affairs.

GRADING SYSTEM

GRADE POINT AVERAGE (GPA): The grade point average is based on the computation of conventional letter grade units attempted and conventional letter grade honor points earned. It is computed by dividing the honor point total by the total number of units attempted. For example, if students attempted 16 units of work and received a B in each course, they would receive 48 honor points which would give them a grade point average of 3.00. Grade point averages are not rounded.

The undergraduate marking system and unit points for each term unit are as follows:

Conventional Grades	Honor Points
A--Superior	4
B--Above Average	3
C--Average	2
D--Poor	1
F--Failure	0

N--No Grade Reported: 0 honor points for each term unit. Computed in the grade point average.

NN--No Grade Reported: 0 honor points for each term unit. Not computed in the grade point average.

I--Incomplete: 0 honor points for each term unit but not computed in the grade point average.

NC--No Credit: Indicates an unsuccessful (D or F equivalent) attempt of a course on a satisfactory/no credit basis. This grade is not computed in the grade point average.

S--Satisfactory: 0 honor points for each term unit and not figured in computing grade point average. It represents a C grade or above in a satisfactory/no credit grading situation.

W--Drop/Withdrawal: 0 honor points and 0 units. Indicates enrollment in the course through the first ten days of the term or the first five days in a short-term course or summer session with a subsequent course drop or withdrawal. Not computed in grade point average.

X--Audit: 0 honor points and 0 units. Not computed in grade point average.

TERM HONORS: Students having earned a 3.40 or above term grade point average with no grade below C (D, F, I, NN, or NC), will be granted Academic Honors for that term. To be considered for Academic Honors, students must have successfully completed a minimum of 12 unit hours of work for the term, at least 9 of which must have been taken on a conventional grade basis.

ACADEMIC STANDARDS

GOOD STANDING, PROBATION, DISMISSAL AND FORGIVENESS POLICIES

GOOD STANDING: To remain in good academic standing in the University, students must have an overall cumulative grade point average of 2.0 or above. Please note that some colleges and/or departments may require a combined UW-W and transfer grade point average above 2.0 in order to remain in good academic standing in their programs.

Students will be ineligible to continue at UW-W if their term grade point average falls below 1.0 for any fall/spring term.

PROBATION: Students will be placed on academic probation if their academic record does not meet the minimum retention standards set by UW-Whitewater. Notice of probationary status is located on the unofficial transcript on WINS. Probationary status indicates that academic grade improvement is necessary to attain the minimum required overall grade point average of 2.0.

If placed on probation, students will be limited to 15 units in a fall/spring term, and will not be allowed more than two consecutive fall/spring terms to remove themselves from probation. They must earn at least a 2.00 cumulative GPA in the next fall/spring term of attendance or be academically dismissed. Students will be removed from probation at the end of any term in which an overall grade point average of 2.0 or better is attained.

DISMISSAL: If students have been on academic probation for two consecutive fall/spring terms without meeting the required 2.0 cumulative grade point average, or if they are dismissed, they may not continue in attendance. Students will be ineligible to continue if their term grade point average falls below 1.0 in any term, or if they do not earn a 2.00 term GPA in the term after they have been placed on probation, or if they do not earn a 2.0 cumulative GPA after being reinstated.

If academically ineligible to continue at this University, students may submit a written appeal for readmission to the Academic Standards Committee.

If students have been dismissed, readmitted, and again fail to earn the required 2.0 cumulative grade point average, they will be eligible for reinstatement only after a successful appeal to the Academic Standards Committee. However, students may attend the summer term or Winterim to improve their GPA and enhance their chances of being reinstated.

Information regarding how to file a written appeal is available in the Academic Standards Office, McCutchan Hall.

UNDERGRADUATE ACADEMIC FORGIVENESS POLICY:

With an absence from formalized higher education for a minimum of five consecutive years prior to readmission to UW-W, students may make a written appeal to invoke the Academic Forgiveness Policy. The appeal, which is made to the Academic Standards Committee, must give reasons for the previous poor UW-W performance, information about current educational plans and justification for the appeal. The Committee will assess the student's record and appeal to determine the approach most educationally appropriate. The Committee will determine whether academic forgiveness is a better approach than use of the repeat policy. Factors such as time elapsed, changes in courses, course availability, course requirements, and educational objectives can be used to determine Committee action.

The Committee may require the student to complete certain specific conditions such as completion of a specified number of units or term(s) of enrollment in work academically acceptable to the Committee before authorizing the implementation of the policy.

When notified in writing by the Committee, the Registrar will mark the permanent academic record with an "Academic Forgiveness" notation and begin the computation of a new grade point average for all subsequent course work. None of the previous UW-W record will be used in the new calculation.

ACADEMIC RECORDS

PERMANENT ACADEMIC RECORD: Permanent academic records will be maintained in the Records department of the Registrar's Office. Students share in the responsibility for the accuracy of their record. They should carefully review each Advisement Report and their term grades. The Registrar's Office should be contacted immediately if there are any errors. No changes will be made to course entries that are not appealed within two years of the posting date, and changes will not be made to a record after a degree is officially entered.

STUDENT RESPONSIBILITY FOR RECORDS

Students are held responsible for monitoring an accurate record of their own progress toward graduation. No changes will be made to course entries on the academic record that are not appealed within two years of the posting date and changes will not be made to a record after the degree is officially entered.

STUDENT RECORDS: All student records held by the University of Wisconsin-Whitewater, regardless of origin, are the property of the University and may be used by the University in any manner legally appropriate. Student records will be treated in a responsible manner and with due regard to the personal nature of the information they contain. However, the student should understand that student records may be disclosed to others who have a legal right to such access when, in the judgment of the University, such disclosure serves the best interests of the student, the University, and the community.

The University of Wisconsin-Whitewater reserves the right not to release a student's record, or any information based upon the record, when the student has failed to discharge any obligation, financial or otherwise, to the University.

PERSONAL IDENTIFICATION CHANGES:

To change or correct personal identification, such as name, birthdate or social security number, the form "Request for Change of Birthdate, Name, or Social Security Number" must be completed and submitted to the Registrar's Office along with the specified items for documentation. The form is available in the Registrar's Office or online at <http://www.uww.edu/registrar/> in the forms section.

TRANSCRIPT REQUESTS AND CHARGES: Students may request official transcripts of their academic records by presenting proper identification and signing a request form, or by submitting a written request through the mail. A request form can be accessed at http://www.uww.edu/registrar/academic_record.php. Students may complete this form, print it, sign it, and submit it to the Registrar's Office address on the form. Telephone requests are not accepted. Transcripts will not be issued if a student has a hold or outstanding obligation to the University.

There is a \$5.00 charge for each official transcript. The transcript is printed on security paper bearing the Registrar's signature and date. Payment must be received in full before official transcripts will be released. The transcript fee is subject to change without notice.

In order to properly identify the transcript requestor, written notification should include current name, name at the time of last attendance, student ID number, social security number, date of birth, first and last dates of enrollment at UW-Whitewater, and degrees received. The request must also include the complete address (with zip code) of the location where the transcript should be sent. The written request must be signed by the student. Address requests to: Transcripts, Registrar's Office, UW-Whitewater, Whitewater, WI 53190.

DEGREES AND GRADUATION

The University of Wisconsin-Whitewater offers the following undergraduate degrees: Associate of Arts, Bachelor of Arts, Bachelor of Arts-Letters & Sciences, Bachelor of Arts-Arts & Communication, Bachelor of Arts in Education, Bachelor of Business Administration, Bachelor of Fine Arts, Bachelor of Music, Bachelor of Science: Bachelor of Science-Letters & Sciences, Bachelor of Science-Arts & Communication, and Bachelor of Science in Education. Students may be awarded only one degree at any commencement. The University has the right to rescind a previously granted degree if the University becomes aware of information that the degree should not have been granted.

ASSOCIATE OF ARTS DEGREE REQUIREMENTS: Students may earn an Associate of Arts degree by successfully

completing a minimum of 60 units, including the 44 units of the General Education requirements (Communication & Calculation Skills & University Requirements), and the Diversity requirement with a UW-W 2.00 cumulative GPA. The General Education requirements are the same as those for baccalaureate degrees.

Fifteen of the 60 units must be taken in course work at UW-Whitewater. Students must be enrolled at UW-Whitewater during the term in which the requirements are completed.

Application for an Associate of Arts degree must be made no later than two years after the last term of attendance. An Associate of Arts degree cannot be received at the same time as a baccalaureate degree or subsequent to the awarding of a baccalaureate degree. Associate of Arts degree candidates do not participate in the commencement ceremony. There is a graduation fee for the Associate of Arts degree.

BACHELOR'S DEGREE REQUIREMENTS: To be a candidate for the Bachelor's Degree, students must satisfactorily complete the following: 1) a minimum of 120 undergraduate units in courses numbered 100 through 400; 2) University requirements, degree requirements, and departmental requirements; 3) a minimum GPA of 2.0 or better on a 4.0 system both overall and in the major and minor fields [certain programs require grade point averages higher than 2.0 - see college and major requirement sections]; 4) completion of a minor if required in the major/degree program; the minor must be a valid combination with the major, a second major may be used in place of a minor; 5) the major department's writing competency requirement. Students should refer to their AR and/or contact their departmental adviser to determine which course, course sequence or equivalent will fulfill this requirement. Completion of the writing requirement for one major will satisfy this requirement in the other major; 6) a 3-unit diversity course, the primary focus of which is racial and ethnic minority issues. This course may also satisfy other university requirements; 7) a minimum of 48 units at an accredited 4-year institution after the last unit was earned at a 2-year institution; and, 8) participation in a University institutional testing program examination, if requested.

RELATED DEGREE POLICIES: Students must take required courses in their major and their minor on a conventional grade basis. The same course units may not be counted in both the major(s) and the minor(s). In those cases in which the same courses are required in more than one major and/or minor, departments will determine appropriate additional courses to meet the minimum unit requirements for each. The minimum unit requirements must be met for each major and each minor.

Students are responsible for meeting all degree requirements in effect at the University of Wisconsin-Whitewater at the time of the declaration of their current major unless they interrupt their attendance at Whitewater by an absence of four or more consecutive terms (including summer), in which case they will be subject to the requirements in effect at the time of reentry. Students may elect to satisfy any newer set of requirements provided they satisfy all of the requirements related to the specific component of the degree program.

If students have not completed their degree requirements within eight years, they may be required by the dean of the college in which they are enrolled to satisfy newer requirements as deemed appropriate. Under special conditions substitutions are allowed that are in their best interest and considered educationally sound by the dean.

Students may fulfill the requirements for another major or minor after receiving their degree from UW-Whitewater if the following conditions are satisfied: 1) the major/minor course and GPA requirements in effect at the time of declaration of intent are completed; 2) course units used to satisfy the requirements of previous major(s) or minor(s) are not used; 3) the major/minor transfer course limitation is not exceeded; and 4) the course selection is approved by the department chairperson. A major or a minor will not be awarded to a student who has not earned a degree at UW-Whitewater.

SECOND DEGREE: Students who have received their first degree at UW-Whitewater may earn a second degree provided that it is not the same as the first degree (e.g., a student whose first degree is a Letters & Sciences BA could not receive a second Letters & Sciences BA degree but would be eligible for a Letters & Sciences BS or Arts & Communication BA). The first degree will be considered to have satisfied all Communication and Calculation Skills, University (General Education), Diversity and minor (if any) requirements. Students must complete all other degree and major requirements; credits used to satisfy major requirements in the first degree may not be used to satisfy major requirements in the second degree (credits used in a minor(s) may be applied to the new major). Students must complete a minimum of 30 credits at UW-Whitewater after the date of conferral of the first degree, and a minimum of 25% of the major course credits must be completed at UW-Whitewater.

Students who have received their first degree at another institution may earn a second degree at UW-Whitewater following these same regulations, except that the second degree may be the same as their first degree (e.g., a student who has received a Letters & Sciences BS degree at another institution may earn a second Letters & Sciences BS degree at UW-Whitewater).

ADDING ADDITIONAL MAJOR/MINORS TO A DEGREE: Students may fulfill the requirements for an additional major or minor after receiving their degree from UW-Whitewater if the following conditions are satisfied: 1) the major/minor course and GPA requirements in effect at the time of declaration of intent must be completed; 2) course credits used to satisfy the requirements of previous major(s) or minor(s) may not be used, with the exception that credits used in a minor may be used when expanding the minor into a major; 3) the major/minor transfer course limitation may not be exceeded; and 4) the course selection must be approved by the department chairperson. A major or minor will not be awarded to a student who has not earned a degree at UW-Whitewater.

RESIDENCE REQUIREMENTS: A minimum of thirty (30) units of UW-Whitewater course work is required to qualify for an undergraduate degree. At least fifteen (15) of these thirty (30) units must be taken at UW-Whitewater immediately prior to graduation. A minimum of 25% of the major course units and 25% of the minor course units must be completed at UW-Whitewater. Students pursuing any major in the BBA curriculum must complete course work in at least six courses (18 unit minimum) in their major field. A maximum of two transfer courses may count in the BBA major.

APPLICATION FOR DEGREE: Students must file a written application for degree with a Graduation Examiner in the Registrar's Office no later than the end of the second week of the term in which they expect to graduate. However, it is strongly recommended that they apply at least 15 months before the intended graduation date, so changes can be made to their academic record if a problem is identified during the graduation clearance process. Application forms are available in the Registrar's Office. To avoid graduation problems, the AR should be thoroughly reviewed with an academic adviser each term.

If students wish to challenge a final term grade as a graduating student, they must make the challenge within 30 days of the end of the term in which the students are graduating. After the degree is posted, no changes will be made retroactively to the permanent academic record. Any questions should be directed to the Records department of the Registrar's Office at 472-1580. All work toward a degree must be completed and the graduation approvals obtained with appropriate documentation on file in the Registrar's office within one month after graduation, or graduation will be delayed until the next graduation date following completion of the work.

Students may graduate on the official date of graduation for a preceding term, if they successfully complete all course and degree requirements within 30 days of the official end of that term. This policy allows for students to use courses completed in Winterim or the first session of the Summer Term when these sessions are completed within 30 days of the end of the December or May term respectively. It is understood that there

cannot be an extension beyond this 30-day limit from the previous term for incomplete or progress grades received in Winterim or the first session of the Summer Term.

GRADUATION FEE: Graduating students will be charged a graduation fee which will appear on their billing statement. The fee is paid to the University Cashier's Office during the term in which the students intend to graduate. The fee is published in the current timetable. The diploma cost is part of the graduation fee. A request for a duplicate copy of the diploma will be processed for a \$10.00 fee, if an exact replica can be obtained from the diploma vendor.

ATTENDANCE AT GRADUATION: Formal commencement exercises are held at the close of the fall and the spring terms. Students choosing to participate must attend the ceremony at the end of the fall and spring terms in which their degree is granted and must wear a cap and gown at the ceremony. Students completing their degree during a summer term may participate in the preceding spring or the following fall term commencement and must choose the ceremony when applying for graduation.

GRADUATION HONORS: Graduating seniors who have demonstrated scholastic achievement as defined below by the cumulative UW-W GPA only (excluding transfer grades) may receive one of the following three categories of graduation honors:

Summa Cum Laude	3.85 and above
Magna Cum Laude	3.60 to 3.84
Cum Laude	3.40 to 3.59

For honors to be acknowledged in the commencement program, students must attain the minimum required UW-W cumulative grade point average before entering their final term and have earned 48 units (counting the final term of enrollment) at UW-Whitewater. Honors maintained and/or earned through the final grading period will be noted on the academic record and on the diploma. It is the student's responsibility to ensure that the 48-unit minimum and the GPA requirements are satisfied.

Students may earn graduation honors in a second degree if one of the following two requirements is satisfied:

1. Completing a minimum of 48 units at UW-W with a UW-W cumulative grade point average that meets the requirements as defined for graduation honors above; or
2. Earning a second degree by completing less than 48 units at UW-W; but having earned the first degree at UW-W; students may qualify for graduation honors if both the grade point average of the second degree itself and the grade point average of the first and second UW-W degrees combined meet the graduation honors requirement.

SPECIAL PROGRAMS

SENIORS TAKING GRADUATE COURSES: UW-Whitewater undergraduate students with senior status may be allowed to take a maximum of six graduate units at UW-Whitewater provided they have completed at least 90 units with a minimum of a 2.75 overall grade point average (or 2.90 over the last half of their course work). Seniors must file a Senior Application at the Graduate Office and have the written recommendation of the department chairperson of their undergraduate major. Seniors may not use graduate-level units to satisfy requirements for the bachelor's degree, and undergraduate fees will be charged for their graduate-level work. This privilege is not available to seniors at other institutions or to students who already possess a bachelor's degree.

INTERNATIONAL EDUCATION OPPORTUNITIES: The Office of International Education and Programs provides advising and assistance to students who are interested in pursuing an international education experience (semester-long study abroad or exchange programs, short-term

travel study program and student teaching abroad).

UW-Whitewater provides study abroad choices to meet the diverse academic and personal needs of the student. Programs vary in location, length, level, academic focus, language requirements and cost. Each program consists of academic study with an appropriate cross-cultural learning experience in a foreign country. Financial aid (need-based) and scholarships (merit-based) are available for many programs.

Study abroad is a most effective and intensive learning experience, which enables students to develop a global resume. A term spent overseas opens a window to the world, broadening international and intercultural awareness and sheds new light on preconceptions. International study brings fresh perspective to career choice, international understanding and human relationships. If students are to function effectively in the increasingly global economy, they need to acquire new perspectives, knowledge and skills to succeed. Future employers and graduate schools view international educational experiences extremely favorably!

UW-Whitewater has special exchange program relationships with institutions of higher learning in the following countries: Australia, the Czech Republic, England, Finland, France, Germany, Ireland, Japan, Mexico, the Netherlands, Sweden, and Switzerland.

In addition to the above, there are a variety of short-term travel study programs – programs that study and tour various countries, traveling for ten to twenty-one days – available throughout the year. Future teachers may also complete half their student teaching experience abroad in Australia, Jamaica, Hungary or Sweden.

Prior to participation in study abroad programs, it is important that students contact the Admissions Office regarding the transferability and applicability of credit. According to University of Wisconsin System policy, course work from accredited international universities and study abroad programs at accredited United States post-secondary institutions may be accepted in transfer. No units will be granted on the basis of a transcript furnished by a commercial study tour.

THE UNIVERSITY HONORS PROGRAM: The University Honors Program is based on the conviction that students should be given the opportunity to develop their intellectual abilities to the fullest extent possible. Those who come to the university with special academic talents and/or extensive backgrounds in specific disciplines are, through the University Honors Program, provided with instructional options designed to challenge their abilities and allow them to more fully realize their intellectual potential.

Through enrollment in honors courses and entry into individualized honors work, students are able to explore subject matter areas in greater depth than would otherwise be possible. For those who come to the university seeking the maximum return for their educational investment, the University Honors Program offers an excellent means of matching interests and skills with university expertise. The end results can be both personally and professionally rewarding.

Students active in the Honors Program are afforded an opportunity to participate in Study Abroad programs, undergraduate research and a variety of social and cultural activities which will augment their formal educational experience. Field trips, participation in the Wisconsin State Honors Council, Upper Midwest Honors Council and National Collegiate Honors Council and social interaction with other talented and motivated students combine to provide the University Honors Program participant with opportunities for enriching experiences beyond the laboratory or classroom setting. Entering freshmen eligible for the Honors courses and continuing students in good standing in the program are extended registration preference in recognition of their exceptional academic achievement.

In addition to the enhanced educational opportunities presented by the University Honors Program, students who successfully meet all specified

requirements are privileged to graduate with a University Honors designation. This achievement is both personally gratifying and of importance as students seek professional employment or admission to graduate schools.

Components: University Honors Program students must maintain a cumulative grade point average of 3.40 or better and complete honors courses and honors option work.

Students will be recognized as University Honors Program Scholars upon the completion of either Honors in General Studies or Honors in the Major. Students may complete either or both tracks.

A. Honors in General Studies (21 Honors Credits)

Core Curriculum:

Fall ENGLISH 105, GENED 140

Fall and Spring SPEECH 110, GENED 390

Spring GENED 130, SPEECH 424

Core substitution using Honors Option (up to 6 credit replacement limit and/or other listed below)

Other Credit:

Service: mentoring, tutoring (1-2 credits)

Travel: study away 2 weeks + (1-3 credits)

Communication - foreign language (1-3 credits)

Arts: (1-3 credits)

Disability: (1-3 credits)

New Student Seminar (1 credit)

B. College and Departmental Honors

Requirements will vary based on department

Required:

Course sequence of at least 9 credits

Specifically designed sequence - or

Honors Option linked to courses

Capstone experience

Senior Honors Day presentation capstone project

Full-time students should not go two consecutive Fall or Spring Terms without completing an honors course or an H-option contract. Part-time students in the University Honors Program will have their progress monitored by the University Honors Program Office.

To graduate from the University Honors Program, students must complete a minimum of twenty-one (21) honors units. All University Honors Program requirements and regulations must be met and adhered to throughout the time of enrollment.

Eligibility Requirements: Entering freshman students are eligible to become members of the University Honors Program if they have:

1. graduated in the top ten percent of their high school class AND attained a composite ACT/SAT score which ranks in the top twenty-five percent nationally;

OR

2. attained a composite ACT/SAT score which ranks in the top ten percent nationally AND graduated in the top twenty-five percent of their high school class.

Application forms are required for admission to the University Honors Program. Information and appropriate forms may be obtained from the University Honors Office.

VETERANS: The University is approved by the State Approval Agency. Veterans may receive four elective units if they received an honorable discharge after six months or more of service or if they were discharged into the National Guard or Reserves. The discharge certificate (DD214) must be submitted to the Admissions Office to obtain these units.

POLICIES AND LEGAL ISSUES

Credit may be granted for military training and experience if the Guide compiled by the American Council on Education so recommends. Check with the Admissions Office for this type of credit.

Questions concerning veterans' educational benefits should be directed to the Veterans' Coordinator in the Registrar's Office. Students meeting with the Veterans' Coordinator for the first time should be sure to bring along their discharge certificate (DD214). Jan to verify that this is indeed the correct place for this

This section of the Catalog is prepared to highlight certain pertinent rules, rights and responsibilities of which students should be aware. By no means all inclusive, it is meant only to group together certain key items which will be of special assistance. Students are urged to study and use the rest of this Catalog to become knowledgeable about those matters of importance to them, their program of study, and their graduation requirements.

UW SYSTEM STANDARD FOR WORK PER UNIT:

The UW System standard for work per unit (credit) is that the students are expected to invest at least 3 hours of combined in-class and out-of-class work per week for each academic unit (credit) of coursework; thus, a 3-credit course will typically require a minimum of 9 hours of work per week (144 hours/semester).

LEGAL SERVICES

Student Government provides a Legal Services Program free of charge to UW-Whitewater students. An attorney, hired by Student Government, is available approximately 10 hours per week.

STUDENT DISCIPLINARY PROCEDURES

The complete copies of the University of Wisconsin-Whitewater Student Non-academic Disciplinary Procedures (Administrative Code UWS Chapter 14) are available on the UW-Whitewater WEB page at <http://www.uww.wdu/stdhdbk/uwssystem.html>.

For information, regarding these procedures, contact the Office of Student Life at 262-472-1533.

STUDENT RESPONSIBILITY FOR RECORDS

Students are held responsible for monitoring an accurate record of their own progress toward graduation. No changes will be made to course entries on the academic record that are not appealed within two years of the posting date and changes will not be made to a record after the degree is officially entered.

ACADEMIC MISCONDUCT

The University believes that academic honesty and integrity are fundamental to the mission of higher education and of the University of Wisconsin System. The University has a responsibility to promote academic honesty and integrity and to develop procedures to deal effectively with instances of academic dishonesty. Students are responsible for the honest completion and representation of their work, for the appropriate citation of sources, and for respect of others' academic endeavors. Students who violate these standards are subject to disciplinary action. UWS Chapter 14 identifies procedures to be followed when a student is accused of academic misconduct. For additional information, please refer to the section in the Student Handbook titled, Student Academic Disciplinary Procedures.

ABSENCE FOR UNIVERSITY SPONSORED EVENTS

University policy adopted by Faculty Senate and the Whitewater Student Government states that students will not be academically penalized for missing class in order to participate in university sanctioned events. They will be provided an opportunity to make up any work that is missed; and if class attendance is a requirement, missing a class in order to participate in a university sanctioned event will not be counted as an absence. A university sanctioned event is defined to be any intercollegiate athletic contest or other such event as determined by the Provost. Activity sponsors are responsible for obtaining the Provost's prior approval of an event as being university sanctioned and for providing an official list of participants. Students are responsible for notifying their instructors in advance of their participation in such events.

STUDENT RECORDS: All student records held by the University of Wisconsin-Whitewater, regardless of origin, are the property of the University and may be used by the University in any manner legally appropriate. Student records will be treated in a responsible manner and with due regard to the personal nature of the information they contain. However, the student should understand that student records may be disclosed to others who have a legal right to such access when, in the judgment of the University, such disclosure serves the best interests of the student, the University, and the community.

The University of Wisconsin-Whitewater reserves the right not to release a student's record, or any information based upon the record, when the student has failed to discharge any obligation, financial or otherwise, to the University.

GRIEVANCE PROCEDURE

I. DEFINITIONS AND BASIC PRINCIPLES:

- A. A grievance is a request for specific action to solve a problem or redress an injury done to the individual presenting it. When that individual is a student and is responding to treatment received as a student, it is a student grievance. However, if a student wishes to challenge an academic decision that impacts on their grade, the Student Grade Appeal procedures should be used.

1. A grievance may concern the actions taken by any UW-Whitewater employee who is a member of any college, department, office, administrative unit or committee of the University.
 2. A grievance may not necessarily be directed at a particular individual but rather at a policy or rule which the student believes to be unfair.
- B. The basis for a grievance is to raise a problem for the purpose of resolving it by the parties closest to it. This is true whether the issues involve an instructor, administrator, service personnel or members of any University department, college, division, administrative unit or committee.
- C. A cause of action would involve a specific injury to the student or a specific problem. A remedy should be available. If no remedy is available or if punishment of someone is sought, the procedures for complaints rather than grievances should be used (see University Handbook, Sections VI-F and VI-A).
- D. Process timelines are established to enable review and resolution within a reasonable time after the problem occurred. This assists problem solving when memories and facts are still fresh.
- E. Written appeals and responses need not be lengthy but rather describe events, relevant facts and reasoning, so that parties are clear about what is at issue and why decisions are being made the way they are.

II. STEPS IN A GRIEVANCE:

A. Informal Process:

1. Discuss the issue of concern with the individual(s) primarily involved. This should take place within 14 calendar days after the aggrieved action occurred.
2. If this discussion brings no resolution, is unsatisfactory, or if the primary individual is unwilling or unable to participate, the student may then, within 7 calendar days of the discussion or the communication that there will be no discussion, schedule a conference with the chairperson of the department or the supervisor of the individual. The student should articulate the concerns and the result of, or lack of, discussion with the primary individual.
3. After hearing the student's appeal, the chairperson or supervisor will attempt to mediate the problem to resolution within 14 calendar days.
4. If this attempt at resolution is unsatisfactory, or if all are not willing or able to participate, the student should submit a formal grievance to the Dean or Director within 7 calendar days of the failure of informal resolution.

B. Formal Process:

1. The grievance should be in writing and signed by the student following the Basic Principles above, should explain the problem, reasons for dissatisfaction of recommended resolution, and an alternative resolution.
2. Within 14 calendar days, the Dean or Director can attempt further resolution or make the final decision. The student and employees should be notified of the final decision in writing.
3. The decision of the Dean or Director will be final unless discipline is requested, in which event appropriate disciplinary procedures would be followed.

SYNOPSIS OF THE STEP-BY-STEP PROCESS FOR STUDENT GRIEVANCES:

1. Problem occurs.
2. Within 14 calendar days, discuss it with the person whose actions are in question (informal).
3. If no satisfaction, within 7 calendar days, talk it over with the Chair or supervisor of the person (informal).
4. Chair/supervisor will attempt to resolve within 14 calendar days (informal).
5. If no satisfaction, student has 7 calendar days to write it up as a formal grievance, including why dissatisfied with recommended resolution and propose a remedy (formal).
6. Within 14 calendar days, the Dean or Director will attempt resolution or make the final decision (formal).

GRADE APPEALS

At the University of Wisconsin-Whitewater it is expected that instructors will evaluate students regularly and consistently by criteria and guidelines presented to students at the beginning of each grading period. If a student has reason to believe the grade is incorrect, the student may act on that by taking the following steps in chronological order. A complaint which is timely and filed under any other student complaint procedure and then referred for processing under these procedures, shall be considered to have met the deadline for filing as a grade appeal.

1. Informal Process

- (a) Consult the instructor whose grade is being appealed. This consultation must take place within 7 calendar days of start of classes after the grading period in question.
- (b) If the student/instructor conference is unsatisfactory or if the instructor is unwilling or unable to participate, within 7 calendar days the student may schedule a conference with the chair of the department in which the course was offered.

- (c) After hearing the student's appeal, the chair will attempt to resolve the problem within 7 calendar days.
- (d) If this resolution is unsatisfactory, the student may then, within 7 calendar days after receiving the chairperson's response, submit a written appeal to the Department's Grade Appeals Committee through the chairperson. This will initiate the Formal Appeal Process.

2. Formal Process

- (a) The appeal must be in writing and signed by the student.
- (b) The Department Grade Appeals Committee will
 - (i) convene to examine the appeal, the response and render its conclusion in writing to the chair, student and instructor, within 14 calendar days of receipt of the appeal.
 - (ii) While the Grade Appeals Committee cannot require the instructor to change a student's grade, the Committee can recommend such a change to the instructor and to the Dean of the College in which the course is offered.
- (c) Should the student wish to appeal beyond the department, the student may submit the Committee findings and the basis for the further appeal to the Dean of the College in which the course was offered, within 3 calendar days of presentation of Committee findings. The Dean will review the student's appeal and the findings of the Committee, and recommend appropriate action to the department and the instructor within 14 days of receipt of the appeal.
- (d) If this action is unsatisfactory to the student, a final appeal may be made to the Provost who will determine whether a change in grade is to be made within 14 days of receipt of the appeal. The Provost is the only individual authorized to change a student grade without the instructor's permission. However, the Provost may change a grade only when the faculty department committee and the Dean support such a change.

FERPA – FAMILY EDUCATIONAL RIGHTS AND PRIVACY ACT

Interpretations of the Family Educational Rights and Privacy Act of 1974 (also known as FERPA or the Buckley Amendment) have important implications for the handling and releasing of student education record information by campus offices and school officials. FERPA applies to the "education records" (see next paragraph for definition) of "students". "Students" are defined as those individuals who have applied for formal admission to UW-Whitewater, were admitted, and are or have been enrolled in classes for credit at the University. FERPA does not apply to records of applicants for formal admission to the University who are denied acceptance or, if accepted, do not enroll in classes for credit. In addition, rights are not given by FERPA to students enrolled in one component of

UW-Whitewater who seek to be admitted in another component (e.g., a student enrolled in an undergraduate degree program, but is denied admission to a graduate program, does not have any FERPA rights in the graduate program which denied him/her admission).

"Education records" are those records that are directly related to a student and that are maintained by the University or by a school official who serves the University in an administrative, supervisory, academic, research, or support staff position (including student employees or agents of the University, persons/companies with whom the University has contracted, persons serving on official campus committees, or persons assisting other school officials in performing their tasks).

FERPA indicates that "education records" do not include:

- Sole possession records. Records of instructional, supervisory, administrative, and certain educational personnel which are in the sole possession of the maker and are not accessible or revealed to any other individual except a substitute who performs on a temporary basis the duties of the individual who made the records.

Important exception: Notes taken in conjunction with any other person are not "sole possession records". Sharing information with another person or placing information where it can be viewed by others makes it an "education record" and subject to FERPA.

- Law enforcement unit records. Records maintained by a law enforcement unit of UW-Whitewater that were created by that unit for the purpose of law enforcement.

Important exception: Placing law enforcement records where they can be viewed or accessed by others outside the law enforcement unit makes them "education records" and subject to FERPA.

- Employment records. Records relating to individuals who are employed by UW-Whitewater which are made and maintained in the normal course of business and relate exclusively to individuals in their capacity as employees, and are not available for any other purpose.

Important exception: Records of students who are employed as a result of their status as students are "education records" (e.g., work-study, graduate assistants) and subject to FERPA.

- Doctor-patient privilege (medical) records. Records relating to a student which are (1) created or maintained by a physician, psychiatrist, psychologist, or other recognized professional acting in his/her professional capacity or assisting in a paraprofessional capacity; (2) used solely in connection with the provision of treatment to the student; and (3) not disclosed to anyone other than individuals providing such treatment, so long as the records can be personally reviewed by a physician or other appropriate professional of the student's choice.

- Post-attendance records. Records that contain only information relating to a person after that person is no longer a student at UW-Whitewater (e.g., information gathered on the accomplishments of alumni).

The essence of FERPA can be summarized by the following

32 POLICIES AND LEGAL MATTERS

two points:

- **CONFIDENTIALITY** – School officials must protect the privacy of education records and shall not disclose personally identifiable information about a student or permit inspection of the student's records without his/her written consent unless such action is covered by certain exceptions permitted by FERPA. The student's written, signed consent must:
 - o Specify the records to be released;
 - o Identify the party or class of parties to whom the records should be released;
 - o Indicate the reason for the release.

A consent form can be downloaded from the web at: <http://www.uww.edu/registrar/>. (under the FERPA section, click on "Authorization to Release Records")

- **ACCESS** – A student must be permitted to inspect his/her own education records (see "Student Access to Education Records" section for information about the process for inspecting education records). FERPA provides the student the right to:
 - o Inspect and review his/her education records;
 - o Request an amendment to the education records if he/she believes there is an inaccuracy;
 - o Restrict the release of his/her "Directory Information" from public access;
 - o File a complaint with the U.S. Department of Education if he/she feels the University has failed to follow FERPA guidelines. The name and address of the office that administers FERPA is: Family Compliance Office, U.S. Department of Education, 400 Maryland Avenue, SW, Washington, D.C. 20202-4605.

CONFIDENTIALITY OF STUDENT EDUCATION RECORDS

FERPA generally prohibits the release of confidential personally identifiable student data from education records, with limited exceptions that include "Directory Information" (see below), without the student's written, signed consent.

Personally identifiable student data, other than "directory information" for students who have not restricted its release, are confidential. Examples of confidential information include, but are not limited to, ID number, social security number, date of birth, ethnicity, gender, country of citizenship, percentile ranks, class schedules (including meeting times and locations), grades, and grade point averages.

Parents have no inherent rights to inspect or receive information about their children's education records. Parents of a dependent (as defined for federal income tax purposes) student may request their child's education record information only after providing notarized copies of both the most recent federal income tax return filed that shows the student listed as a dependent and a letter of intent to claim the student as a dependent on the next federal income tax return. Absent this information, UW-Whitewater shall not disclose a student's education record information to a parent without the written consent of the student.

FERPA provides certain exceptions for the release of personally identifiable education record information without the student's

written consent. These exceptions include:

- **Directory Information.** UW-Whitewater determines the following to be student "directory information" which is available to the public if the student has not restricted its release:
 - Names, addresses (including email), and telephone numbers;
 - Dates of attendance (including term units carried and full-time/part-time status);
 - Classification (e.g. sophomore, senior, graduate student);
 - Major/minor/degree program;
 - Degrees conferred (including dates/anticipated dates);
 - Previous institution(s) attended;
 - Awards and academic honors;
 - Participation in officially recognized sports and activities;
 - Physical factors (weight and height) of members of athletic teams.

A student has the right to restrict the release of his/her directory information. Any student who wishes to do so must complete and file the "Request To Prevent Disclosure Of Directory Information" form in the transcripts department of the Registrar's Office, Baker Hall, lower level. The restriction will remain in effect until the student files written notification with the Registrar's Office to have it removed. A student who has ceased attending UW-Whitewater, and whose directory information was not restricted in his/her last term of attendance, does not have the right to restrict the release of directory information until such time as he/she re-enrolls at the University.

- "Legitimate Educational Interest". Personally identifiable education record information may be disclosed without the student's written consent to UW-Whitewater officials who are determined to have a "legitimate educational interest" – a right to know and a need to know (i.e., the information is necessary to fulfill the official's professional responsibility to UW-Whitewater). Legitimate educational interest means there is an educationally related purpose that has a directly identifiable educational relationship to the student involved and underlies the request. The following criteria shall be taken into account in determining the legitimacy of a UW-Whitewater school official's access to records:

- o The official must seek the information within the context of his/her professionally assigned University responsibilities;
- o The information sought must be used within the context of official University business;
- o The information requested must be relevant and necessary to the accomplishment of some task or to make some determination within the scope of the official's University employment.

Disclosure of education record information to a school official having a legitimate educational interest does not constitute institutional authorization for that school official to transmit, share, or disclose any or all of that information to a third party. A disclosure of personally identifiable information from the education record of a student, without the student's written consent, is prohibited unless the disclosure meets one of the specific exceptions cited in FERPA as outlined in the following section.

- Education record information may be disclosed without the student's written consent in the following instances:

- a) To the student.
- b) If it is “Directory Information” and the student has not restricted its release.
- c) If properly subpoenaed pursuant to a judicial, legislative, or administrative proceeding, provided UW-Whitewater will make a reasonable attempt to notify the student of the subpoena, in cases where FERPA applies, prior to the release of the information.
- d) In connection with the student’s application or receipt of financial aid as necessary to determine the eligibility, amount or conditions of the financial aid, or to enforce the terms or conditions of the aid.
- e) In connection with audits or evaluation of federal or state supported educational programs requiring disclosure of information.
- f) To effect collection of past due financial obligations to the University.
- g) To attorneys representing the University when the data on the student is deemed necessary for the defense of the University in a suit filed by the student.
- h) To schools in which the student seeks or intends to enroll.
- i) To authorized representatives of the Comptroller General of the United States, the Attorney General of the United States, the Secretary of the Department of Education, or state or local educational authorities.
- j) To the Veterans Administration to determine compliance with educational assistance.
- k) To organizations conducting studies for or on behalf of the University.
- l) In connection with a health or safety emergency as determined by the University.
- m) In connection with a crime of violence or a nonforcible sex offense. The University has the discretion to disclose the final results of any disciplinary proceeding against a student who is an alleged perpetrator of a crime of violence or a nonforcible sex offense if, as a result of that disciplinary proceeding, the University has determined that the student in fact committed the crime or offense. The definition of “final results” is limited solely to the name of the student, the violation committed, and any sanction imposed by the University on that student. Only where a victim or witness has provided written consent may the University disclose the name of that student.
- n) The University may disclose to a student’s parent or legal guardian information regarding any drug or alcohol violation (whether pursuant to federal, state, or local law or institutional policy) where the student is under 21 years of age and the University has determined the student has committed a disciplinary violation.

UW-Whitewater school officials conducting research using student education records will be asked to explain the use of the records in writing. Student organizations that need confidential information about their members must obtain the signatures of all members on a form explaining how the information is to be used (the signatures must be obtained before the information will be released).

School officials who have access to student education record information assume the legal responsibility for protecting the privacy and security of the information.

STUDENT ACCESS TO EDUCATION RECORDS

The student will have access to education records directly related to

him/her that are maintained by the University, or any of its agents, and to which FERPA applies.

A student may request access to review and inspect his/her education records by writing to the University official (registrar, dean, department chair, or other appropriate person/office) responsible for the records. The written request must indicate the records the student wishes to inspect. The University official will make arrangements for access and notify the student of the time and place where the records may be inspected. If the records are not maintained by the official to whom the request was submitted, that official shall advise the student of the correct person/office to whom the request should be addressed and it becomes the student’s responsibility to submit the request to that person/office. Upon receipt of the written request, the University has 45 days to comply. FERPA does not provide the student with the right to access certain records, including:

- i. Sole possession records
- ii. Parents’ financial records used for financial aid purposes;
- iii. Confidential letters and statements of recommendation placed in the student’s record prior to January 1, 1975, or confidential recommendations to which the student has given prior written waiver of access and which are used for job placement, admission, or award purposes;
- iv. Law enforcement unit records;
- v. Certain employment records;
- vi. Doctor-patient privilege (medical) records;
- vii. Post-attendance records.

A student has the right to request an amendment of his/her education record that is believed to be inaccurate. However, FERPA was not intended to provide a process to be used by the student to question substantive judgments that are correctly recorded. The FERPA rights of challenge are not intended to allow a student to contest, for example, a grade in a course because he/she felt a higher grade should have been assigned. FERPA is intended to ensure the factual and accurate nature of the information in the student’s educational records and the student’s right to verify that information.

In those cases where FERPA intended to provide a student the right to request an amendment to an education record, the student should write the University official responsible for the record, clearly identify the part of the record s/he wants changed, and specify why it is inaccurate. If the University decides not to amend the record as requested by the student, the University will notify the student of the decision and advise the student of his or her right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student when notified of this right.

In the process of challenging the education record information, the student may wish to have copies of appropriate documents in his/her education record file. The University may assess the student a reasonable per copy fee for such documents. This charge does not apply to copies of the student’s official academic transcript (there is a \$5.00 charge for each official transcript). A request for a copy of any document in an education record will be denied if the student has a hold/service indicator on his/her records that prevents the release of the official academic transcript, or if the document is a transcript of an original or source document which exists elsewhere.

If UW-Whitewater decides, as a result of a hearing, not to amend the education record in accordance with the student's request, the student may place a written statement in the record commenting upon the information therein, and/or setting forth any reason for disagreement with the institutional decision not to amend the record. Such a statement will become part of the student's education record and will be disclosed with it.

The student has a right to file a complaint with the U.S. Department of Education concerning alleged failures by UW-Whitewater to comply with the Family Educational Rights and Privacy Act.

ACCOMMODATION OF RELIGIOUS BELIEFS

It is the policy of the Board of Regents that students' sincerely held religious beliefs shall be reasonably accommodated with respect to scheduling all examinations and other academic requirements.

1. Students shall be permitted to make up an examination or other academic requirement at another time or by an alternative method, without any prejudicial effect, where:
 - a. There is a scheduling conflict between the students' sincerely held religious beliefs and taking the examination or meeting the academic requirements; and,
 - b. The students have notified the instructor, within the first three weeks of the beginning of classes (within the first week of summer session and short courses), of the specific days or dates on which they will request relief from an examination or academic requirement.
2. Instructors may schedule a make-up examination or other academic requirement before or after the regularly scheduled examination or other academic requirement.
3. Instructors shall accept, at face value, the sincerity of students' religious beliefs.
4. Student notification of instructors and requests for relief shall be kept confidential.
5. Complaints of failure to provide reasonable accommodation of students' sincerely held religious beliefs as required by this rule may be filed under institutional complaint and grievance procedures adopted pursuant to Chapters UWS 6 and 13.

For additional information or to file a grievance regarding a failure to provide reasonable accommodation, please contact the Office of Diversity and Equal Opportunity Compliance (Hyer Hall, Room 330, Phone 262-472-1072).

NON-DISCRIMINATION STATUTES RELATIVE TO UNIVERSITY OF WISCONSIN-WHITTEWATER STUDENTS

The Civil Rights Act of 1964, Title IX of the Education Amendments of 1972 and Wisconsin Statute 36.12 provide collectively, and in part, that

No student may be denied admission to participation in, or the benefits of, or be discriminated against in any service, program, course or facility of the (UW) system or its institutions or centers because of the student's race, color, creed, religion, sex, national origin, disability, ancestry, age, sexual orientation, pregnancy, marital or parental status.

The Title IX Coordinator for UW-Whitewater is the Assistant to the Chancellor for Affirmative Action and Equal Opportunity (phone 262-472-1072). Title IX specifically prohibits sex discrimination in educational institutions.

I. CRITERIA FOR DETERMINING WHETHER THE PROHIBITION ON DISCRIMINATION HAS BEEN VIOLATED.

In determining whether discrimination in violation of Wisconsin Statutes 36.12 or Title IX, has occurred, the University of Wisconsin-Whitewater through its Office for Equal Opportunity (OEO), shall apply state and federal statutes, regulations, and case law relevant to the basis of discrimination being alleged, including but not limited to such legal materials and precedents as Title VI of the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972, Section 504 of the Rehabilitation Act of 1973, American Disabilities Act, Wis. Stats. 101.223, Wis. Stats. 36.11(3)(a), the United States Constitution, the Wisconsin Constitution, and related regulations and case law. In any case where there is a question as to whether the action or conduct in question violates Wis. Stats. 36.12 or Title IX, the OEO shall consult with institutional legal counsel.

II. DEADLINE FOR FILING COMPLAINTS.

1. Complaints alleging a violation of Wis. Stat. 36.12 or Title IX, must be brought forward to the Office for Equal Opportunity within 300 calendar days of the alleged violation.
2. If a complaint is made informally and orally only, the appropriate response would be oral by way of discussion, guidance, mediation or other informal action. If a formal investigation is warranted or desired, the complaint shall be in writing.

III. PROCEDURES AND REMEDIES FOR VIOLATIONS.

1. The Office for Equal Opportunity (OEO) will be responsible for:
 - a. Reviewing each complaint.
 - b. Providing procedural advice and counsel to the complainant, including referring the complainant to another process, if appropriate (as for example, if the issues in question are more properly handled as a grade

appeal or a general grievance).

- c. Conducting the initial investigation of complaints, including receiving written response(s) by the person(s) complained against.
2. Where the Office for Equal Opportunity refers a complainant to another relevant complaint or grievance procedure, further action on the matter will be taken in accordance with that other procedure.
3. Where the Office for Equal Opportunity retains jurisdiction and determines after investigation that no discrimination in violation of Wis. Stats. 36.12 or Title IX has occurred, the complaint will be dismissed by the OEO, and the complainant and any other interested parties will be so advised.
4. Where the Office for Equal Opportunity determines after investigation that discrimination in violation of Wis. Stats. 36.12 or Title IX has occurred, the OEO may:
 - a. Attempt to resolve the matter through mediation among the involved parties; or
 - b. Recommend remedial action to eliminate the discrimination to the appropriate administrators; or
 - c. Refer the matter for appropriate review and consideration of possible action under established disciplinary procedures, where misconduct by faculty, staff or students appears to be involved.
5. The Office for Equal Opportunity will complete its investigation and make written findings of facts and recommendations in a timely manner upon receipt of the written complaint.
6. If the matter is referred for consideration of possible disciplinary action under paragraph 4 © above, the time limit and procedures for such disciplinary matters shall apply.
7. If the OEO recommendations are accepted by the parties, that will be considered dispositive of the issues.
8. If either party believes there is reason to appeal the findings or recommendations, it must do so within 10 working days of receipt. The appeal should be in writing, stating the basis and proposing alternatives to the recommendations and forwarded to the Assistant Chancellor for Student Affairs.
9. The Assistant Chancellor for Student Affairs will review the record and any other information deemed pertinent and may also recommend and/or attempt an alternative resolution. If no resolution is achieved, the Assistant Chancellor will forward a recommendation to the Chancellor within 20 working days of receipt of appeal.
10. The Chancellor will make the final decision within 20 working days. In all matters involving an alleged violation of Wis. Stat. 36.12 or Title IX, the Chancellor's decision shall

be final, except that the Board of Regents may, consistent with the Bylaws of the Board of Regents of the University of Wisconsin System, conduct a review on the record.

NON-DISCRIMINATION ON THE BASIS OF DISABILITY

Section 504 of the Rehabilitation Act of 1973 provides that “no qualified individual with a disability shall, on the basis of disability, be excluded from participation in, be denied the benefits of, or otherwise be subjected to discrimination under any program or activity which receives or benefits from Federal financial assistance.”

The Americans with Disabilities Act (ADA) states “No qualified individual with a disability shall, on the basis of disability, be excluded from participation in or be denied the benefits of the services, programs, or activities of a public entity, or be subjected to discrimination by any public entity.”

Applicants or students who believe that they may have been subjected to discrimination on the basis of disability in any campus program, activity or service should contact: Compliance Coordinator, Section 504 and ADA Regulations (non-employment), 330 Hyer Hall, 262-472-1072.

SAFETY AND HEALTH POLICY

The University of Wisconsin System will provide and maintain adequate facilities for a safe and healthy learning environment. It is the University's responsibility to work with faculty and staff so that they are equipped to educate their students on practices and procedures that ensure safety for all members of the university. Employees with instructional responsibilities are expected to comply with state and federal safety laws and regulations in their institutional areas. Certain courses and research projects require that the student work with hazardous materials while engaging in academic studies. Instructors of these courses and research projects shall inform and train students on procedures that will maintain the students' personal health and safety and provide them with information on the hazards of specific chemicals that will be used during their course of study. Furthermore, instructors will enforce and follow safety policies. Prior to use of hazardous materials and equipment, the student shall review the procedures and information, and discuss any associated concerns with the instructor.

USE OF HUMAN PARTICIPANTS IN RESEARCH

Federal law and University policy requires that all research projects involving human participants be designed as much as possible to protect the rights of the participants. This pertains to projects for classes on research methodology, independent studies, and thesis research. Prior to initiation of the work, each proposal involving human participants and its provisions for their protection must be reviewed and approved by the Institutional Review Board for the Protection of Human Participants (IRB). This includes surveys. Research which has not been reviewed and approved by the IRB will not be covered by UW-Whitewater liability insurance.

It is the policy of UW-Whitewater that all research shall be conducted under the supervision of a qualified faculty or staff member. Therefore, all students must submit an IRB protocol review form signed by the faculty adviser.

All IRB forms and guidelines can be obtained from the Office of Research and Sponsored Programs, 2047 Roseman. Please contact this office at 262-472-5212 with questions and document requests.

CARE AND USE OF LABORATORY ANIMALS

All students involved in the care or use of animals and all facilities used for such animals must operate within the guidelines of the **GUIDE FOR CARE AND USE OF LABORATORY ANIMALS**. Copies of the Guide and other pertinent materials may be obtained from the Office of Research and Sponsored Programs, 2047 Roseman, 262-472-5212.

INCLEMENT WEATHER

In the event of severe weather conditions, all on-campus operations of UW-Whitewater will be carried on unless power outages or other critical circumstances preclude the use of University buildings. Therefore, it should be assumed that scheduled activities will continue unless instructions from the Chancellor's Office direct to the contrary.

Individuals who must travel to or from campus should use their judgment as to whether or not such travel is wise. Should it be necessary to cancel a class due to the absence of a faculty member, it is the responsibility of that faculty member to notify the department chairperson and to schedule an appropriate make-up session. Class cancellations should not be telephoned directly to the Campus Radio Station or Channel 6 TV but must be transmitted by the departmental or college office. Students should contact the department of the course for information about the status of individual classes.

The operation of off-campus classes in a weather emergency will be governed by whether the facility in which they are held is open. If the facility is closed, the class will be cancelled. The Office of Continuing Education will notify the instructor of such a cancellation. Each class will use its system of students notifying each other of such a cancellation to avoid persons expecting the class to be held when it is not.

STUDENT SERVICES

UNIVERSITY CENTER

Campus Directory:	262-472-1234
Information Center:	262-472-1170
Ticket Center:	262-472-2222
FAX:	262-472-3900

The University Center (UC) is a gathering place for the campus community. It's a great place to attend a program, work on group projects or study individually, shoot a game of pool, grab a snack or enjoy a full-sized meal, and best of all--to meet up with friends. Activity thrives in the UC!

Students will soon discover there is a number of offices and services in the UC which have been carefully designed to meet students' needs. They'll find study lounges, meeting and conference rooms, six dining areas, Adult Resource Center, The Center Gallery, the Multicultural Education Center, Credit Union, TYME machine, Ride Board, and more.

One of the best ways to learn about the daily events in the building or around campus is to stop by Information/Ticket Services. This is also the place to purchase tickets for Cultural Affairs, Theatre/Dance, athletic events, and other campus programs. The University Center Web Page is a great way to learn about programs and services in the UC.

Student groups such as the Whitewater Student Association, and the "Royal Purple" (student newspaper) are also located in the UC. And, if students want to relax between classes, they can go to the Recreation Center to have some fun.

The University Center also provides a number of employment opportunities for students. Positions available range from working as an Information Attendant to a Building Manager, and from a Set-up Crew Member to a Graphic Artist. These positions can help give students professional experience in their chosen area of study. They also get the chance to work with other students, faculty and staff and gain many new insights into how campus departments work together. In addition, some positions are arranged for students to earn academic units.

Come to the University Center and join in the activity. We hope to "See You At The UC!"

ADULT RESOURCE CENTER (UC 121): The Adult Resource Center (ARC) is intended to be a resource for all students, but has a primary focus on meeting the needs of returning adult students. The ARC provides resources, plans programs and offers referrals for a wide variety of student concerns and interests. It's a friendly place to drop in, meet others, get a cup of coffee, or relax and socialize between classes.

CAMPUS QUICK COPY (UC 60): Low-cost fast copy services: self-serve and volume copying. Also offering: transparencies, lamination, resume papers, report binding, color copying, carbonless forms, padding and cutting. Huge paper inventory. Accepts Purple Points and cash payments. Serving students, faculty, staff and non-profit community organizations. Phone 262/472-1002.

CATERING SERVICES (UC 242): From coffee, to an elaborate banquet, the Catering Office will accommodate your needs. This service is available year-round.

THE CENTER GALLERY (UC120): The Center Gallery provides artwork for students, faculty, staff and the surrounding community to view. The Gallery features four to six shows each term and offers hands-on work experience for Student Gallery Assistants.

HAWKCARD (UC 245): The HawkCard (University ID card) is provided upon enrollment at UW-Whitewater. The HawkCard is required for use of the University food service program, enrollment verification, and a Purple Point Account. Look for the "HawkCard Accepted Here" signs throughout the campus.

Report lost or stolen HawkCards to the HawkCard Office, UC 245, 262-472-1437 or any HawkCard location cashier. Students may also suspend their HawkCard by using the Online Card Office at the HawkCard web site, <http://uc/uww.edu/hawkcard>. Attempted use of any reported lost or stolen HawkCard will result in the card being confiscated and forwarded to the HawkCard Office.

There is a \$10 fee for the replacement of lost or stolen HawkCards. Contact the HawkCard Office for a replacement card.

LEADERSHIP CENTER (2nd Floor East): UW-Whitewater offers many opportunities for students to become active members of the campus community. Through involvement in organizations and activities, students have a unique opportunity to develop their leadership potential by practicing many skills of "paraprofessional" leaders vital to the delivery of various programs and services. Students may explore leadership opportunities by participating in various seminars and workshops designed for the intentional exploration of the development of leadership. Contact the Leadership Development, 262-472-3191 for more details.

LEADERSHIP DEVELOPMENT (UC 264): This unit exists to assist students and student organizations in integrating and developing inside and outside the University community. The Center provides resources for organizations as well as a variety of activities to entertain and develop the University family.

MULTICULTURAL EDUCATION CENTER (UC 122): The Multicultural Education Center (MEC) provides a friendly and inviting atmosphere which brings students, faculty and staff to its doors. The MEC has a wide array of multicultural resources that are available for students, staff and faculty. Some of these resources include information on campus activities, information on leadership programs, and an extensive multicultural library. In addition, the MEC provides support and leadership to educational programs, which are existent or newly developed on campus. The MEC is open to all visitors during its regular hours: Monday-Thursday from 10 a.m. to 7 p.m., and Friday from 10 a.m. to 4:30 p.m. Please contact the staff at 262-472-2798 with any questions about its resources or to reserve the facilities.

OFFICE OF STUDENT LIFE (UC 253): This office is responsible for organizing and planning Commencement and publishing Focus on Contemporary Issues which provides important

information to the campus community. The Office of Student Life is also responsible for handling Academic and Non-Academic Student Misconduct, Ombuds, Student Crises and medical withdrawals.

PRINTING SERVICES (UC 60): This office processes purchase orders for off-campus printing purchases. State law requires that all printing or copying be produced on campus or obtained through a state procurement office. Printing Services is the campus print procurement office. Printing is purchased using State of Wisconsin contracts or bids and is produced by contract printers. Phone 262/472-1215.

PURPLE POINT ACCOUNT: A Purple Point Account is a prepaid debit account accessed by using a HawkCard (University ID card). Deposits to a Purple Point Account can be billed to students along with tuition, fees, room, and board. Purple Points may be used at all dining locations, vending machines, University Bookstore, residence hall laundry facilities, and other retail and service locations on campus. Purple Points may also be used off campus at 25 local businesses. Contact the HawkCard Office, UC 245, 262-472-1437 for more details. Look for the "HawkCard Accepted Here" signs throughout campus.

THE RECREATION CENTER (UC 24): The Recreation Center has 10 bowling lanes, 8 full-size pool tables, dartboard machine, air hockey, foosball tables, and 10-plus video and pinball games. The Recreation Center is fully accessible to all individuals. Special programs include: Bowling and Billiard Leagues, Glow in the Dark Bowling (Thursday and Friday Nights), Casino Night (Saturday), and Rent-a-Lane Bowling (Sunday). Outdoor and Camping Equipment, Canoes, and a Portable Volleyball Kit are also available at low rental rates.

RESERVATIONS (UC 250): UC Reservations serves as a place to make reservations for rooms in the James R. Connor University Center as well as other locations on campus. The University Center has facilities for meetings, banquets and special events for as few as four people, and as many as 625.

ROYAL PURPLE (UC 62): Located in the lower level of the University Center, The Royal Purple student staff creates the UW-Whitewater weekly campus newspaper. Students can volunteer, earn units and/or be paid for working on The Royal Purple.

STUDENT ENTERTAINMENT AND AWARENESS LEAGUE (2nd Floor East): This student programming board utilizes student fees to develop, coordinate and produce events for students. A wide variety of programs are offered, such as the Club W Dance Club, comedians, live bands, cultural development events, and service events such as America Reads and Adopt-A-School.

UNIVERSITY BOOKSTORE. The University Bookstore, located in Moraine Hall, provides personal and educational materials to students and faculty. In addition to course textbooks and manuals, dictionaries, magazines, cds and an array of books such as best sellers, classics, children's books and course related titles are available in the book department. In the supply department, students may obtain supplies for Art, Biology and other courses as well as notebooks, paper and general school supplies. In addition, cards, posters, and sundries are available. Jackets, shorts, sweatshirts, knapsacks and T-shirts are popular items. Film processing, class rings, caps and gowns, balloons, laminating, and special orders are other services provided by the Bookstore staff. You may also place orders on the website at: uwwhitewaterbookstore.com.

UW CREDIT UNION (UC 67): The UW Credit Union is a student-friendly, full-service financial institution. Services include Free Checking, ATM/VISA, Check Cards with unlimited withdrawals, auto and student loans, low fixed-rate credit cards, and free computer home-banking. All UW students and their parents automatically qualify for membership.

UNIVERSITY DINING SERVICES (Rm 242, 472-1161): University Dining Services offers a variety of convenient facilities to meet customers' dining needs. From made to order grilled items to salads and sub sandwiches to homemade bakery goods, we have the means to satisfy your appetite.

DINING AREAS: There are five dining areas in the University Center, each with its own specialties. These include:

The Commons (UC 111, 262-472-5093 M-F 7:30-9a, 11:00a-2p) Located in the west side of the University Center, The Commons offers home-style hot luncheons, entrees, deli sandwiches, homemade soups, a salad bar, and desserts. New this year, The Commons is featuring breakfast served hot or cold.

Ritazza Coffee Cart (UC 104, M-Th 7a-5:30p, F 7a-1:15p) Housed in the I.W." Ike" Schaeffer Room on the north end of the University Center, the Ritazza offers Espresso, Cappuccino, Cafe' Latte, gourmet coffees, teas and hot chocolate. Cold beverages, cookies, bagels, muffins and Krisp Kremes are also a highlight of the Ritazza.

The Graham Street Cafe' (UC 170, 262-472-5771, M-Th 10:45a-6:30p, f 10:45a-3:30p) A beautiful view of the campus can be seen through the windows of the Graham Street Cafe located in the east side of the University Center. It features a wide variety of submarine sandwiches made before your eyes on an assortment of breads. Campbell soups, fresh-made salads and Spuds baked potato bar are all part of The Graham Street Cafe.

The Down Under (UC 6, 262-472-1714, M-F 11a-10p, Sa 4p-9p, Su 4p-10p) The Down Under is located in the lower north end of the University Center. Open seven days a week, live entertainment, a large dance floor, and two big screen TVs plus six other TV's makes the Down Under the place to be. Have a gourmet burger, chicken sandwich, and other specialties made your way from the Fresh Grille, or try our newest addition Ooooodles of Noodles for some pasta favorites.

The Warhawk (UC 126, 262-472-1174, M-Th 7a-6:30p, F 7a-3:30p, Sa & Su 11a-4p) A food court atmosphere with a fireplace and a piano is where you will find The WarHawk on the south side of the University Center. Whether it's for a meal or a snack before class, you'll enjoy Burger King, Casa Ortega Mexican style food and other snacks to choose from for your convenience.

Shiver's (262-472-5370 M-Th 12-6p, F 12-4p) Directly across the Walker D. Wyman Mall from Graham Street Cafe is Shiver's; UW-Whitewater's very own ice cream parlor. Shiver's features 12 flavors of ice cream each day, along with sundaes, milk shakes, malts, floats and Island Oasis fruit smoothees. Friendly service and great tasting ice cream are our top priorities at Shiver's.

MEAL PLANS: Students that are required to live on campus are also required to choose one of the meal plans offered by University Dining Services. There are three types of plans to offer students flexibility; fixed meals, point plans and a block meal plan. There is a Dining Hall on the

East and West Side of campus to provide convenient service.

RESIDENCE LIFE

FACILITIES

The Office of Residence Life administers fourteen residence halls that can accommodate approximately 3,800 students. Residence halls range in size from 200 to 600 residents and offer a range of living options such as single sex and coed halls, coed floors, coed wings, smoke-free halls, upperclass floors and halls, a substance free floor, a Global Village, as well as YearOne residence halls. In addition, residents may choose from single rooms, double rooms, triple rooms and two-person suites.

All residence halls offer completely furnished rooms, as well as kitchens, study lounges, laundry facilities, and TV lounges. Many halls offer other amenities such as game rooms and meeting rooms. All residence hall students are invited to use the computer labs in the residence halls. In addition, all rooms are wired for direct access to the computer labs.

STAFF

Each Residence Hall is administered by a Professional Residence Hall Director and a Graduate Assistant Hall Director. A Resident Assistant (RA) lives on each wing and assists students with the residential living experience. Custodians work hard in each building to keep public area facilities clean and in top shape. All of these staff members are eager to work with residents to meet their on-campus housing needs.

PROGRAMMING AND INVOLVEMENT

The UW-Whitewater Residence Halls are proud to offer a variety of programming and involvement opportunities to meet the needs of all students. Leadership Involvement Teams in each building work with the staff to plan many different activities such as dances, dinners, movie nights, trips, intramural teams, study skill programs, and speakers to present a variety of topics.

The Cable 19 Television station operates through the Office of Residence Life and offers opportunities for involvement.

The Office of Residence Life is the largest student employer on campus and is often recruiting for many positions such as RA, desk receptionist, student custodian, clerical assistant, graphic artist, grounds crew worker, and many others. Students who seek information about these positions, or any aspect of Residence Life, should feel free to call for more information or refer to the Residence Life web site located at www.reslife.uww.edu.

RESIDENCY POLICIES

All freshman and sophomore students with fewer than 60 units are required to live in university-operated residence halls. Exceptions can be made for students who are veterans, are married, if two academic years or more have elapsed since earning a high school diploma or equivalent, or who have university permission to live at home. A notarized request for commuter status must be filed with the Office of Residence Life. Students may also be exempted from this policy if they have resided in university-owned residence halls for at least four Fall/Spring Terms.

APPLICATION PROCEDURE

Further information about housing, along with an application, is available to students upon their admission to the university. Students are required to submit a \$125 deposit with their contract acceptance form. This deposit is non-refundable after the May 1 contract cancellation deadline identified in the contract.

Additional information about university-owned residence halls is available by calling the Office of Residence Life at 262-472-4255 or visiting the Residence Life web site located at www.reslife.uww.edu.

WHITEWATER STUDENT GOVERNMENT

The Whitewater Student Government is the official representative of the student body. It has the primary responsibility for University policy concerning student life, services, and interests, and also maintains several agencies which provide a variety of services to the University and community.

Structurally, the Whitewater Student Government consists of an executive branch and the Student Senate. The Senate meets every Monday at 7:00 pm in the University Center Room 219. Everyone is welcome.

By meeting the responsibilities given to it by state law, the Whitewater Student Government gives students an opportunity to become involved in University governance and to develop their initiative and leadership.

Any questions, comments or suggestions are welcome, and can be directed to the Whitewater Student Government Office at University Center 61; the telephone number is 262-472-1166, and the FAX number is 262-472-5097.

UNIVERSITY HEALTH AND COUNSELING SERVICES

Ambrose Health Center	
Health Services	262-472-1300
Counseling Services	262-472-1305

The University Health and Counseling Services (UHCS) provides comprehensive services and referrals for multiple concerns related to students' physical and mental health. Services are available to all currently registered UW-W students from 8:00 a.m. until 4:30 p.m. Monday through Friday with some special outside hours to cover immunizations or campus emergencies. UHCS staff are committed to quality service and provide a wide array of health education programs and consultation to groups across campus.

Health services include consultation and treatment by physicians, nurse practitioners, and nurse clinicians for illnesses and injuries. Many laboratory tests are provided on-site. Others are referred for analysis to external labs. Many of the most frequently used medications are available on site. Programs include weight control counseling, smoking cessation, nutrition counseling for students with eating disorders and borderline cholesterol levels, allergy shots, cold self-care, contraceptive services, diagnosis and treatment of sexually transmitted diseases through regular Personal Reproductive Care (PRC) clinics, and assistance for students with chronic illnesses and/or physical disabilities. UHCS does not provide eye examinations or dental care. It refers students requiring specialty health care to specialists within the community. Professional services in health or counseling are free, but there is a charge for medications, medical supplies and lab. Payment for care outside UHCS is the financial responsibility of the student.

A Wellness Resource Center of brochures, computer programs, videos, DVD's, videos and Cd's and audiotapes is available in the lobby. Materials are free or may be checked out for no charge. The UHCS web site is available to students 24 hours per day at www.uww.edu/stdrcscs/uhcs. Numerous educational programs are provided for students through out the year.

Health insurance is recommended. A policy has been endorsed by multiple UW-System campuses. Information about the policy is available at UHCS or its web site. Hospital care is available when needed in Fort Atkinson, Janesville, or Elkhorn. Students experiencing life-threatening situations should contact the Whitewater Rescue Squad by dialing 911 (off campus) or 9-911 (from an on campus phone.). UHCS is not itself an emergency facility, but does regularly arrangement transport to a hospital for students requiring hospital care.

Counseling services include individual and group counseling (primarily short-term) for UW-W students dealing with any number of personal issues. In addition, consultation is available to faculty, staff and students.

Counseling services are provided at no cost by professional psychologists and counselors, as well as supervised counselors-in-training. If immediate or direct services are not available here, counselors help the student find an appropriate community resource. Students with ANY personal concerns (adjustment to college, relationship issues, alcohol and drug issues, depression, stress management, self-esteem, roommate problems, eating disorders, sexuality issues, sexual abuse or assault, or just wanting to feel better about life) are encouraged to ask for help at UHCS. A 24-hour Crisis Line is available for all students through Walworth County Human Services. ALL SERVICES OF UHCS ARE CONFIDENTIAL.

CAREER SERVICES

Most students take advantage of the services of the Career Services Office as they explore career fields, develop career plans, prepare themselves for the job search process and actually search for employment. Programs and services for students undecided about their career plans include individual and group career counseling, a library of career information, computerized career guidance systems, and Life/Work & Career Planning - a three unit course. Programs and services for students initiating an internship or job search include on-line listings of job and internship opportunities, resume referrals to employers and on campus interviewing by company recruiters. Additionally, Career Services staff offer one-on-one appointments teaching resume and cover letter writing, creative job hunting and job-interviewing skills. Students are encouraged to take advantage of career planning and job search assistance during their college years.

WOMEN'S CENTER

The UW-Whitewater Women's Center is a supportive community dedicated to fostering women's individual empowerment through educational programs, resources and referrals.

The Women's Center collaborates with UW-W students, faculty, staff and the larger community in programs designed to increase awareness about issues affecting women.

The Center is a place where women and men can work to address

a diverse need of needs, interest and concerns including promoting equality by challenging imbalances of power based on sexism and other forms of oppression; such as classism, homophobia, racism, ageism, and ableism. Women on campus can also receive information and referrals in matters relating to women.

The Women's Center is located in Salisbury 236 and is open Monday through Thursday from 11:00 AM-6:00 PM. For more information, you can call the Center at 472-2786.

CHILDREN'S CENTER

The University offers a high-quality preschool program for two to eleven year old children of students, faculty/staff and community families. Full-day and part-day schedules are available to suit parents' work and study times on and off campus. The Children's Center also serves as a teacher-training site, is state-licensed, and is accredited by NAEYC. The Center is open daily from 7:30 am to 5:30 pm. For information regarding curriculum, registration and fees visit our website, www.uww.edu/staffair/children/ or call:

Cigdem Unal, Director
The Children's Center, 1035 Roseman
University of Wisconsin-Whitewater
Whitewater, WI 53190
262-472-1768

INTERNATIONAL PROGRAMS

INTERNATIONAL STUDENTS

The Office of International Education and Programs is responsible for the recruitment and administration of UW-Whitewater's international students. The office provides orientation for new students, and assists international students with personal, academic, and financial concerns as well as issues with housing, food, or immigration. The office also serves as a liaison with the academic and administrative areas of the University and coordinates cultural and social programs that interface foreign and domestic cultures such as the International Dinner, Host Family Program and International Education Week.

CENTER FOR STUDENTS WITH DISABILITIES

Roseman 1006
262-472-4711 (V/TTY)

The Board of Regents of the University of Wisconsin System has given the UW-Whitewater campus a unique specific mission to provide services for students who happen to have disabilities. As a result, the UW-Whitewater campus is one of the most accessible campuses in the nation. UW-Whitewater offers a broad array of services to provide students with disabilities complete access to all academic programs as well as to facilitate personal growth and development. The mission of CSD is to cultivate an extraordinary university community for students that promote success in their life pursuits. Staff members in the Center for Students with Disabilities are available to provide a wide variety of services to meet both the ordinary and unique needs of students with disabilities.

Services include, but are not limited to:

- Pre-enrollment interview, evaluation and orientation.
- Specialized Academic Support Services
- Transportation to and from class and activities on and off campus (Available for a weekly charge).
- Adapted recreation and athletics including wheelchair football, basketball, softball, soccer and wheelchair track and field.
- Assistive Technology Center, including AT assessment
- Counseling for personal, social, vocational, academic and critical intervention needs.
- Assistance with attendant recruitment and training.
- Physical therapy emphasizing functional training and activities of daily living.
- Liaison with funding and sponsoring agencies.
- Enhanced work experience, internships, career planning and job placement service.

UNIVERSITY POLICE

The UW-Whitewater University Police Department is a full-service law enforcement agency providing 24-hour police protection and services to the campus community. Ten sworn police officers, two part-time police officers and one non-sworn employee staff the department.

The primary mission of the University Police Department is to provide protection of life and property to all persons within the boundaries of the university, to uphold the rights guaranteed under the United States Constitution, and to enforce state laws, codes and UW System regulations in a fair and just manner. The department works towards this goal by conducting investigations into alleged criminal activity, the implementation and presentation of crime prevention programs, development of new and innovative policing programs, effecting arrests, and referring individuals into the criminal justice system or conduct systems.

Anyone requiring the services of the University Police Department can contact them 24 hours a day, seven days a week by phoning 262-472-4660. While an officer is always on duty and can be summoned by telephone, business transactions can be conducted in person during office hours of 8:00 am - 4:30 pm, Monday through Friday in Goodhue Hall. Whether you are the victim of a crime, an injured person, a witness to an incident, someone who wants information or a presentation, or just someone who doesn't know where else to turn, the University Police stand ready to provide the necessary assistance.

UNIVERSITY ADVANCEMENT

The Office of University Advancement includes the UW-Whitewater National Alumni Association, the UW-Whitewater Foundation, and the Office of News and Public Affairs. University Advancement provides a communication link between the university and the

media, approximately 57,000 UW-Whitewater alumni, and the public-at-large.

The UW-Whitewater Foundation also creates and directs a variety of fund-raising efforts on behalf of UW-Whitewater, its faculty and staff, and its students.

ADVANCED OPPORTUNITY PROGRAM (AOP) AWARDS

The purpose of AOP is to expand the number of minority/disadvantaged students who receive graduate degrees from UW-Whitewater. To be eligible for an AOP award, individuals must be (1) U.S. citizens or permanent residents at the time of application and (2) members of traditionally under-represented minority groups (Black, Hispanic, American Indian/Alaskan Native or statutorily designated Southeast Asian) or non-minority/disadvantaged students. Individuals who are residents of the State of Wisconsin and members of the aforementioned minority groups are given highest priority for receiving AOP awards.

The amount of a full AOP award for the 2003-2004 academic year is \$7,000. The award amount for subsequent years is contingent upon funding being appropriated from the Wisconsin State Legislature, and is subject to change. Out-of-state students who receive AOP awards are also eligible for a remission of the nonresident portion of tuition costs for the time period of the award.

Additional information and application forms are available by contacting the Office of the Assistant Vice Chancellor for Academic Support Services, 226 McCutchan Hall, UW-Whitewater, Whitewater, WI 53190-1790. Telephone 262-472-4985.

LEADERSHIP AND MILITARY SCIENCE EDUCATION

Qualified graduate students who are interested in acquiring valuable credentials, financial assistance and career choices should consider enrolling in the Reserve Officers' Training Corps (ROTC) program. The two year program leads to a commission and possible service to the Nation in either the US Army, National Guard or Army Reserves. The courses studied also provide students with the credentials and specialized leadership expertise to be a successful supervisor, manager or administrator and is universally applicable across a broad spectrum of professions. Applications are available from the Department of Leadership, Military Science, and Aerospace Studies, Room 111, Salisbury Hall.

CONTINUING EDUCATION

Approximately twenty percent of the students at UW-Whitewater are 25 years of age or older. This group of adults is served by the Office of Continuing Education through the various programs and services described below.

CREDIT OUTREACH: Off-campus courses are offered in many communities in southeastern Wisconsin in response to requests received by the Credit Outreach Office and on the basis of survey results. Credit granted by UW-Whitewater for off-campus courses is fully accredited. Students enrolling in off-campus courses are responsible for making certain that such courses meet the

requirements of the curriculum in which they are enrolled. If there is a question about a particular course, students should contact the academic adviser or the chairperson of their major department or emphasis area. For an off-campus timetable or additional information about the Credit Outreach Program call 262-472-1100.

CORRESPONDENCE COURSES (Independent Learning): UW-Whitewater does not offer correspondence courses but accepts correspondence course units offered by the University of Wisconsin-Extension. Students should contact the Admissions Office at 262-472-1440 to determine how correspondence courses will transfer into their programs. Correspondence Course/Independent Learning catalogs are available by calling the Credit Outreach Office at 262-472-1100 or on-line at <http://learn.wisconsin.edu>.

TRAVEL STUDY PROGRAMS: These travel programs are usually short sessions (2-4 weeks in length) and are directed by members of the University faculty and staff. In most cases, credit may be earned. Academic requirements may include pre- and post seminars, preliminary study, class work during the tour, and/or subsequent assignments. For information on travel study programs call 262-472-1003. UW-Whitewater's Travel Study Programs web page is located at <http://www.uww.edu/conteduc/travel.htm>. For more information on travel study programs designed for continuing education audiences (teachers, etc.), call 262/472-1003 (Andersen 2248). For programs designed primarily for currently enrolled undergraduate students, call 262/472-1603 (Roseman 2040).

SUMMER SESSION: A twelve-week Summer Session is offered each year with numerous courses and programs of shorter duration. Students may take up to 12 units during the twelve-week session. Coursework in excess of this maximum load must be approved by the dean of the college of the student's major. For a timetable or information about summer session call 262-472-1100.

NON-CREDIT ACTIVITIES

CONFERENCES, SUMMER CAMPS, WORKSHOPS AND COMMUNITY OUTREACH: The University has an active non-credit program schedule. Campus facilities can house and feed up to 3,700 persons, depending upon the time of the year. Part of the outreach mission deals with meeting the interests of students and residents of Whitewater and the surrounding communities in southeastern Wisconsin. For information on upcoming programs call 262-472-3165 or website: www.uww.edu/conteduc/camps.

DISTANCE EDUCATION

As an alternative to face-to-face instruction in the traditional classroom, students may be able to participate in some UW-Whitewater courses at off-campus sites using one or more of the following technologies: 1) WisLine, an audio conference calling service using standard phone lines linking sites anywhere in the state or the world; 2) WisLine Web, a service combining audioconferencing (WisLine) with a browser-based Web/data conference application; and 3) Compressed digital video, a UW System interactive video network with sites at all four-year UW institutions.

UW-Whitewater offers a limited number of online courses, primarily at the graduate level. Students need Internet access and a web browser to participate. Hardware and software requirements may vary.

UW-Whitewater distance education courses are listed in our own

Outreach Timetable and in the Catalog of Distance Learning, an online UW-Extension publication listing all of the distance education courses offered by UW System institutions. The Outreach Timetable is available by calling the Office of Graduate Studies & Continuing Education, Roseman 2013, at 262/472-1100. The online Catalog of Distance Learning URL is available at <http://www.uwex.edu/disted/catalog/>.

ACADEMIC SUPPORT

INSTRUCTIONAL TECHNOLOGY SERVICES

ITS provides technology support for the instructional needs of faculty, staff and students. Some of the services include: support for general access computing labs, college computing labs and technology classrooms; consultation and production assistance for teaching and courseware development activities; support for web-based instruction and application development for instructional use; audiovisual and film services, satellite downlink services; and the technical support for the compressed video distance education classroom.

DATA NETWORKING

The Backbone Data Network Group is responsible for the campus LAN, Internet access and network security systems. This group provides design, support, installation, and administrative support for the following services: data cabling to the workstation, backbone optical cabling, Ethernet and wireless LAN systems; routers, firewalls, DNS, DHCP, and general consulting regarding network services.

NETWORK OPERATIONS CENTER

The Network Operations Center provides administrative and analytical support for many of the centralized UW Whitewater administrative computing systems. Some of the services provided by this group include: Availability and capacity monitoring of centralized server and network services, data base administration, Unix administration, administration of the enterprise tape back-up, coordination of upgrades and maintenance activity that interrupts network infrastructure services and access to the centralized computing services, processing of special queries and infrastructure support for the PeopleSoft and Campus Financial systems.

TELECOMMUNICATIONS

Telecom Services is responsible for the maintenance of the on-campus phone system, including voice mail, various key systems, and access to the STS long distance phone service. The on-campus service is Centrex from Ameritech, and the long distance STS service is provided by the State Contract with AT&T, in cooperation with Ameritech.

APPLICATIONS DEVELOPMENT

The responsibility of the Applications Development group is to design, develop, implement, and maintain computer applications for the effective operation of the University administrative functions, especially in support of the PeopleSoft Student Administration System, to assist in the selection, implementation, and support of purchased software needed to support University administrative functions, and to develop interfaces to existing systems as needed, to develop and implement standards and security to ensure integrity and confidentiality of information, and to provide training and support to faculty and staff in the use of administrative systems.

HELPDESK, TRAINING AND DESKTOP SUPPORT

T&IR provides a central helpdesk, training program and desktop services in support of the use of university-owned computer workstations and printers. Such services include: computer acquisition, setup, redeployment and disposal; maintenance and repair of computers and printers; workstation access to the campus LAN; installation and maintenance of university-supported software;

problem resolution by telephone, email and personal appointment; and customer training in the use of campus technologies.

EMAIL, INTERNET AND FILE STORAGE SERVICES

Enterprise email, Internet (web), and file storage services are made available to all faculty, staff and students at UW-W. T&IR maintains the infrastructure for and operation of these services, which include: the UW-W web site, enterprise email system, listservs for group communication, storage for personal web publishing, and both personal and shared network storage space accessible through the campus LAN and on the web. NEEDS TO BE REWRITTEN BY IT.

LIBRARY SERVICES

Library Services provides a variety of print and non-print materials to meet the information needs of students and faculty. Over 1.9 million items are in the library collection, including over 375,000 books, 76,300 bound volumes of periodicals, 335,500 government publications, 1,100,000 microforms, and 8,600 audiovisual titles. The library subscribes to over 2,400 current periodicals, serials, and an extensive array of electronic resources, many of which are web-based full texts. The library also provides easy Web access to Internet information resources throughout the world. The URL for the library homepage is: <http://library.uww.edu>

TEXTBOOKS

The University provides basic textbooks for undergraduate students on a rental basis. The rental cost is included as a part of the fees students pay for registration each term. Textbooks may be picked up at designated times at the Textbook Rental, located in Moraine Hall. Graduate students are required to purchase their textbooks from the University Bookstore and are not assessed a rental fee. Students can expect to purchase some supplemental books and non-reusable materials such as workbooks and supplies.

OTHER LEARNING MATERIALS

In addition to the wide variety of information available in the library, several other collections of teaching and learning materials are available on campus. Many departments and academic programs have small libraries of periodicals or reference works for use by students, who may receive information at their major department.

The College of Arts and Communication provides an Arts Media Center. The Arts Media Center has an impressive library of recordings and musical scores, Macintosh/MIDI computer stations, and audio/video equipment for student use. In the Carlson Building, the College of Business and Economics maintains the Beattie Collection of current periodicals and reference works relating to subjects taught in that college.

The Wisconsin Instructional Technology Resource Center (WITRC) is located in the College of Education on the first floor of Winther Hall. The Resource Center contains a state-of-the-art instructional technology software collection and the latest developments in multi-media technology.

Finally, various University offices, for example, Career Services and the University Health and Counseling Services, have collections of information dealing with their functions.

RONALD E. MCNAIR POST-BACCALAUREATE ACHIEVEMENT PROGRAM

The Ronald E. McNair Post-Baccalaureate Achievement Program at the University of Wisconsin-Whitewater is designed to achieve four goals: 1) to introduce undergraduate students from targeted groups to high quality research settings which will help provide educational and professional role models; 2) to create an environment where graduate study is an expectation; 3) to provide academic support and preparation; and, 4) to provide financial support for pre-doctoral study.

The program enrolls twenty-five students each year; one-half juniors and one-half seniors. Students are expected to participate in the program for up to two years.

Students participating in the McNair Program will work in a mentoring relationship with a faculty member; participate in seminars addressing graduate school preparation, expectations and opportunities; demonstrate their research ability in independent research projects; and present their research at regional and national conferences.

For further information, please contact the Director of the McNair Program, 219 McCutchan Hall (262-472-2804).

LATINO STUDENT PROGRAMS

The Office of Latino Student Programs promotes the recruitment, retention, and graduation of Latino students. The office strives to retain new and continuing Latino students by helping them develop their academic and critical thinking skills. The office is also engaged in developing and implementing both academic and cultural programs which contribute to students' personal and intellectual development, making the University more knowledgeable concerning Latino culture, and developing closer ties with the Latino community at a local and global level (including Study Abroad opportunities).

Latino Student Programs collaborates closely with other units of Academic Support Services as well as Career Services, the Financial Aid Office, and the departments of Race and Ethnic Cultures and Languages and Literatures, among others, in order to successfully integrate Latino students into university life so that greater numbers can gain access to meaningful information and services.

For further information, contact the Director of Latino Student Programs, 105 McCutchan Hall (262-472-1913) or email olivencn@uww.edu or reyess@uww.edu.

STUDENT RETENTION SERVICES

The Student Retention Services (SRS) provides a wide range of services and academic support to students with academic potential who, because of low income, first generation background or physical disability, need a period of time to adjust to the academic and social environment of the University. Students are referred to the program by a variety of sources which include high school counselors, the Admissions Office, as well as faculty and academic

staff at UW-Whitewater.

Through its professional counseling staff, SRS helps students to acquire the academic and personal survival skills they need to succeed at UW-Whitewater. SRS counselors offer academic advising, personal, financial aid, and career advising. The program provides support for career enhancement activities, academic seminars, cultural enrichment activities, tutorial support and skills building workshops.

The SRS is primarily funded by a grant from the U.S. Department of Education. To be eligible for the program, students must meet one of the following criteria: come from a low income family, have neither parent or guardian with a bachelor's degree, have a physical or learning disability.

For more information, contact the Director of the Student Retention Services, 118 McCutchan Hall (262-472-1209).

MINORITY BUSINESS PROGRAM

The Minority Business Program (MBP) is designed to increase the recruitment, retention, and graduation rate of ethnic minority students who want to pursue a career in business. MBP provides an array of activities, the purpose of which are to:

- enhance minority high school and college students' awareness of career opportunities in business.
- increase the undergraduate enrollment and graduation of minority students in business majors.
- provide opportunities for minority students to meet with business professionals in order to develop realistic perceptions of what it takes to be successful in the business arena.
- provide academic support in the form of advising and counseling for students with such needs.

MBP also identifies students with academic promise to involve them in summer internship experiences.

MINORITY TEACHER PREPARATION PROGRAM

The MTP is a specialized support program, and is a cooperative effort with the College of Education. It is unique in its mission to provide opportunities and educational campus experiences designed to increase the academic success of American ethnic minority students interested in pursuing careers in teacher education.

MTP participants: 1) have exchanges with successful minority educators; 2) interact and develop supportive relationships with other education majors; 3) discuss issues confronting professional educators; and 4) gain insight into the expectations of the education profession.

For more information, contact the Director of the Minority Business and Teacher Preparation Programs, 2000 Carlson Hall (262-472-3216).

PROJECT ASSIST PROGRAM

Project Assist, is a program for students with learning disabilities and ADD/ADHD. The Program is designed to support students in their pursuit of a university degree without compromising academic standards. By teaching specific learning strategies, students become

independent, successful learners. Services include: one-to-one tutoring, study skills support, workshops, study groups, academic advising, a summer transition program and consultation with faculty and staff. In addition, the program networks with a variety of other supportive programs on campus in order to provide comprehensive services to students with learning disabilities.

TUTORIAL CENTER

Tutoring is a customized, student-centered, action-oriented process designed to help all students--full-time and part-time undergraduate and graduate students, and returning adults--who need both short and long-term academic assistance. In meeting these various student needs, the Tutorial Center (TC) has developed individual and group tutoring approaches which specifically focus on problem solving techniques and intensive subject review sessions. Tutoring has often been thought of as short-term, immediate assistance to overcome one specific problem or trouble spot. Successful students, however, have typically viewed tutoring as a long-term strategy in resolving more complex learning problems including difficult content as well as organizational techniques, pattern synthesis, and higher level reasoning.

Student peer-tutors are hired for the program on the basis of departmental recommendations and personal interviews, and take part in an intensive training program. Tutors are expected not only to know their subject matter well, but also to be able to communicate effectively with students from a wide variety of backgrounds and with varying degrees of knowledge and skill.

Students requesting tutoring represent a cross-section of all students--from those doing very well in classes but who request additional practice and feedback as to their progress, to those individuals who are experiencing major difficulty with content and study procedures and techniques. The TC is equipped to handle all these students with appropriate strategies and confidentiality.

The TC is able to provide tutoring in most basic courses and provides tutoring in many advanced courses, depending upon requests.

For assistance in writing, students may schedule appointments in the writing center where they work one-on-one with qualified tutors; also, students may enroll for two units in English 091, an individualized writing workshop which meets in the writing center twice a week. Computers are available for word processing. For assistance in math, students may consult tutors in the math center on a walk-in basis. For study skills, students may consult with a staff specialist or enroll in "Study/Academic Survival Skills" for three units. For assistance in reading college-level texts, students may enroll for three units in "College Reading," or they may consult the staff reading specialist.

Although most students use services at the TC on a voluntary basis, some students may be referred directly by faculty. In this case, the students work on developing those skills and competencies which have been identified by the faculty members as necessary for success in their classes. Students can make appointments either by calling 262-472-1230 or by visiting the TC office in the lower level of McCutchan Hall where additional information and brochures are available.

Both voluntary visits and direct referrals are generally more successful if made before serious problems develop. Tutoring is available from 9:00 a.m. to 9:00 p.m. Monday-Thursday; 9:00 a.m. to 3:00

p.m. Friday and 5:00 p.m. to 9:00 p.m. Sunday in McCutchan Hall. Sessions are available at other times and places by arrangement. Up-to-date information on current programming and schedules may be viewed on the TC website: [www/uww.edu/tutorial/](http://www.uww.edu/tutorial/)

ACADEMIC STANDARDS OFFICE

The Academic Standards Office provides counseling and academic assistance to students, particularly those having difficulty meeting retention standards of the University. All student appeals for reinstatement and for extension of any limitation on the academic progression requirements for financial aid are submitted to the Academic Standards Office. The Director is available to provide information on academic policies, financial aid progression policies, and registration procedures, to assist students in selecting courses of study consistent with their personal and career ambitions, and to refer students to other campus offices for academic assistance.

CENTER FOR COMMUNICATIVE DISORDERS

The Center for Communicative Disorders located in Room 1010, Roseman Building, offers diagnostic and therapeutic help with communication problems in the areas of articulation, voice, hearing, language and stuttering. Complete hearing and hearing aid evaluations are available through the audiological facilities of the center. Services are available for both the campus community and general public.

NEWS AND PUBLIC AFFAIRS OFFICE

The Office of News and Public Affairs is responsible for enhancing the image and visibility of UW-Whitewater through a wide range of services, including media relations, institutional marketing, publications, photography, event planning and issues management.

Major publications produced by NPA include Whitewater magazine, a twice-annual magazine that reaches more than 40,000 UW-Whitewater alumni; and The Reporter, a twice-monthly newsletter for faculty and staff. The office also writes and distributes hundreds of news releases each year and works closely with regional and state media to gain public recognition for campus achievements.

The office provides editing and content development support for programs that reach public audiences. NPA maintains a regularly updated "top stories" section on the UW-Whitewater home page, steers crisis communication for the university and produces a number of publications for special events, including Founders Day, Homecoming and Commencement.

Faculty, staff and students who have ideas for possible news stories are encouraged to contact NPA. For more information about NPA services, contact (262) 472-1194.

LEGAL SERVICES

The Legal Services Program of the Whitewater Student Government provides free legal advice to students one afternoon per week. Contact the WSG Office, University Center, 262-472-1166, for more information.

ADULT RESOURCE CENTER

The Adult Resource Center (ARC) is located in the University Center

and serves all University students. The Center is open weekdays and serves University students in a variety of ways. It's a warm, caring environment staffed by students willing to answer questions or to get information about other services around campus and in the community. The ARC offers a number of programs throughout the term. Program themes range from stress management to career planning. Most of all the ARC is a place for students to drop their bags, put up their feet, take a break from their hectic day and get to know some fellow students. For further information, call 262-472-5786.

STUDENT INVOLVEMENT

CLUB SPORTS

A more in-depth sports experience than the intramural and/or general recreation program, it blends aspects of learning new skills, practicing with fellow participants and competing against clubs from other campuses. Active clubs include men's and women's ice hockey, men's volleyball, lacrosse, bowling, men's and women's rugby, cycling, billiards, karate, hobbits outdoor, martial arts, water skiing, ultimate frisbee, paintball, social dance, golf, hang gliding and skiing. Contact the Club Sports Office, Room 100 Williams Center or call 262-472-1145 for further information.

CULTURAL AFFAIRS

Cultural Affairs brings the best of the world's professional performers to Whitewater, from the launch of the national tour of "The Music Man" to the American Players Theatre, from the Trinity Irish Dance to the Milwaukee Symphony. Events are planned by the Cultural Affairs Committee, which is made up of students, faculty, and community members.

Tickets for Cultural Affairs events are available to students at a special discount rate. All tickets are available at the University Ticket Center, on-line or through the ticket outlet at Young Auditorium.

Students of all majors are invited to join the Cultural Affairs Committee to help plan performances, meet the artists, and gain experience in marketing and promotion. Contact Cultural Affairs in the Irvin L. Young Auditorium, phone 262-472-4444.

In the past Cultural Affairs has presented such internationally renowned artists as Hal Holbrook and Maynard Ferguson. Musicals such as "42nd Street" and "Tap Dogs" have appeared on the Young Auditorium stage. The diverse list of world-class performances Cultural Affairs has brought to Whitewater includes Ladysmith Black Mambazo, MTV's "Loveline", Dallas Brass and Barrage.

Cultural Affairs invites students to join them and enjoy upcoming shows!

EXHIBITIONS

The University's art gallery is a showcase for the campus. Exhibits have popular student and public appeal. While featuring exhibits of statewide and regional artists, Crossman Gallery also presents work with national and international significance. Experimental and pioneering work also comes from UW-W and UW-System art majors and graduate students. Art faculty present a biennial exhibit of their work. Visit the Crossman Gallery as part of an ongoing education.

GENERAL GREEK ORGANIZATIONS

Fraternities. Seven general Greek fraternities maintain chapters on the Whitewater campus. Nine of these--Alpha Phi Alpha, Delta Chi, Lambda Chi Alpha, Phi Beta Sigma, Phi Sigma Kappa, and Pi Kappa Alpha --are nationally affiliated. Phi Chi Epsilon is a local fraternity. A male student may become acquainted with a fraternity through inquiry to the respective fraternity or Leadership Center at 262-472-3191.

Sororities. Six sororities maintain chapters on the Whitewater campus. Five of these--Delta Sigma Theta, Delta Zeta, Sigma Gamma Rho, Sigma Sigma Sigma, and Zeta Phi Beta--are nationally affiliated. Alpha Sigma is a local sorority.

GENERAL RECREATION

Sports facilities are open evenings and weekends for unorganized recreational use. Indoor facilities are available for such activities as basketball, volleyball, track (walking and jogging), racquetball, and swimming. Outdoor areas and facilities are also available for such activities as softball, football, tennis, sandpit volleyball, and basketball. A walking/jogging trail is located near Perkins Stadium for recreational use. Equipment checkout is available for these activities with a valid University I.D. Facility reservations are also available for any of the indoor or outdoor facilities, as well as the Lawcon picnic shelter near Wells Hall. A Weight Room/Fitness Center membership fee is required, and can be purchased through the Office of Recreation Sports and Facilities, Room 100 Williams Center. Call 262-472-1544 for further information.

HONORS ORGANIZATIONS

Phi Kappa Phi is a national honor society open to outstanding students in all curriculums. The local chapter was formally installed in January, 1969. To be eligible for nomination to the society in the junior year, students must be in the upper 5 per cent of their class. In the senior year, students are eligible for nominations for membership if in the upper 10 per cent of their class. The minimum grade point average is 3.50.

Silver Scroll is the local honorary organization for seniors who have achieved a grade point of 3.0 or better and who have demonstrated outstanding leadership and service on the campus. The purpose of this organization is to promote and maintain a high standard of scholarship, to advance a spirit of service, and to encourage leadership among college students.

Golden Key National Honor Society exists to recognize and encourage academic achievement and excellence in all undergraduate fields of study. Membership in the Society is by invitation only to those students who have at least sixty units with a cumulative grade point average of 3.0 or above. At least twenty-five units must have been completed at UW-Whitewater. The UW-Whitewater Golden Key National Honor Society involves itself in periodic community service projects and educational programs. For more information contact the Leadership Center.

INTERCOLLEGIATE ATHLETICS

MEN: Member of Wisconsin Intercollegiate Athletic Conference and NCAA Division III offer the following 9 varsity sports: Football . . . Cross Country . . . Basketball . . . Swimming/Diving . . . Wrestling . . . Indoor/Outdoor Track and Field . . . Tennis . . . Baseball . . . Soccer

WOMEN: Member of Wisconsin Intercollegiate Athletic Conference and NCAA Division III offer the following 11 varsity sports: Volleyball . . . Swimming/Diving . . . Gymnastics . . . Basketball . . . Softball . . . Tennis . . . Indoor/Outdoor Track and field . . . Golf . . . Cross Country . . . Soccer . . . Bowling

INTRAMURAL SPORTS

An extensive program of intramural sports is available for male and female students, faculty or staff. Tournaments and leagues are conducted throughout the year in various activities such as flag football, volleyball, basketball, soccer, wrestling, softball, tennis, sandpit volleyball, innertube water polo and floor hockey. Entry forms for these activities are available in the Intramural Office, Room 100 Williams Center. Call 262-472-1145 or visit our website at www/uww.edu/staffair/recsport for further information.

IRVIN L. YOUNG AUDITORIUM

The Irvin L. Young Auditorium is the home for several performing arts series including, "Cultural Affairs Presents", "Young Auditorium Presents" and "Horizons" school matinee and evening family programs. These auditorium-sponsored series account for thirty to thirty-five professional performing arts events held in the facility each year. The auditorium is also used for various music department and continuing education-sponsored activities.

The unique design of the Irvin L. Young Auditorium features a graciously appointed auditorium chamber with approximately 1,300 seats, depending on configuration pattern and number of wheelchair seats utilized. Through lighting options and architectural arrangements, the auditorium can also achieve the feeling of warmth and comfortable intimacy of a much smaller space. The clean lines and uncluttered space of the chamber create an unpretentious performing environment in this state-of-the-art facility.

One of the many striking areas is the Fern Young Terrace which offers unparalleled charm guaranteed to enhance any event it houses. The facility's Kachel Center offers flexibility with its sprung hardwood floor. Conferences will find the room appealing for groups of up to 150 or as a space for small groups to meet before returning to the auditorium for larger sessions. Both the Fern Young Terrace and the Kachel Center can serve dual purposes as support spaces to complement auditorium functions or as versatile stand-alone meeting, rehearsal, or reception rooms.

Young Auditorium provides the students with the opportunity to experience a variety of cultural events. The Auditorium is also available to student groups who may want to present their own activities.

MUSIC ACTIVITIES

The Department of Music sponsors a wide variety of performing groups including Brass Ensembles, Chamber Singers, Clarinet Choir, Class Act, Concert Band, Concert Choir, Flute Choir, Jazz Ensembles, Opera Workshop, Musical Theatre Production, Pep Band, Percussion Ensemble, Saxophone Quartets, String Chamber Ensembles, Symphonic Wind Ensemble, Trombone Choir, Warhawk Marching Band, Whitewater Symphony Orchestra, and Women's Chorale. All ensembles sponsored by the department are open by audition to all university students. Students who enjoy singing or playing a musical instrument will appreciate the opportunity to share in the musicianship of these groups. Contact the Music Department office for additional information.

Students who enjoy music will not want to miss the many interesting and exciting concerts given by the campus groups and by the faculty artists. Most of these concerts are free to students and provide a

rich and memorable break in the weekly routine.

OFFICER EDUCATION

The completion of the Army ROTC Program - Leadership, Military Science and Aerospace Studies Department - and a baccalaureate lead to a Commission in the United States Army Reserve.

RADIO STATION

WSUW-FM (91.7 on the dial) is a 1300 watt student run radio station operated by the University. The station serves as a laboratory for on-campus radio courses, and provides entertainment and public services to the University and surrounding communities.

RELIGIOUS GROUPS

The following religious organizations are represented on campus: Jewish Student Organization, Inter-Varsity Christian Fellowship, Catholic Student Coalition (Roman Catholic), Lutheran/Episcopal Student Association, Diamond Way Buddhist Group, Baha'i Club, Muslim-American Student Association, UW-W Gospel Choir, Navigators and WELS Campus Ministry. In addition, the Campus Ministry Center is affiliated with the following Christian faiths: Catholic, Lutheran, Episcopal, and United Ministries in Higher Education (Presbyterian, Congregational United Church of Christ, United Methodist, and American Baptist). Local churches or off-campus houses maintained by religious organizations provide the facilities for religious and social programs. Some meetings are held in University facilities.

SERVICE ORGANIZATIONS

A wide variety of service organizations exist, providing students with numerous ways to contribute to the campus and community. These organizations include, but are not limited to: Adopt-A-School, America Reads, Best Buddies, Circle K, Habitat for Humanity, UW-W Student Foundation, Student Optimist club and numerous religious and Greek organizations which also offer service projects. For more information contact the Leadership Center.

SPECIAL INTEREST GROUPS

The University recognizes a large number of special interest groups. A complete directory of all student organizations, their officers, and advisers is available in the Leadership Center.

STUDENTS FOR AN ACCESSIBLE SOCIETY (SAS)

Roseman 1006, Advisor, Roseman 2054

Students for an Accessible Society (SAS) is an organization that provides university students and community members the opportunity to change their own lives and make a difference in the lives of people who have disabilities. Through education and political activity SAS strives to break down attitudinal and physical barriers that can infringe upon the rights of people with disabilities. The organization aims to educate students about resources, to involve them in extra-curricular activities and to help them attain skills that will be paramount in their personal and professional lives. SAS offers members the opportunity to develop diverse friendships and to obtain knowledge about various disabilities by providing opportunities to share experiences.

For further information on SAS, or for information concerning other areas (i.e. transportation, housing, aides, physical therapy), students may contact CSD at 472-4711.

STUDENT PUBLICATIONS

The Royal Purple is a weekly student-run newspaper of the University of Wisconsin-Whitewater. Students can obtain hands-on writing or advertising experience while receiving course unit. The Royal Purple also offers students the opportunity of advancement to editorial and business management positions.

UNIVERSITY SPIRIT PROGRAM

Cheerleaders and stuntmen support the athletic teams in action and promote campus spirit. The squads accompany the Warhawks to away games and perform at all home games. Cheerleading try-outs are held in spring for football squad and in fall for basketball and wrestling squad and are open to all interested men and women. Interested students may contact the Club Sports Office, 100 Williams Center, 262-472-1145.

The Pom Pon squad supports Warhawk athletic teams at all home football and basketball games and performs both dance and precision drill routines. Tryouts take place each fall, and students interested may contact Club Sports Office, 142 Williams Center, 262-472-1145.

UNIVERSITY THEATRE

Annually the Department of Theatre/Dance produces seven major shows, a children's play for tour, experimental and one-act plays, and dance productions. These activities provide rich opportunities for students to see a wide range of productions. Students may also participate in the technical aspects of productions and in theatre management, and may audition for roles in any of the productions. Camaraderie through theatre activities will enliven college life; the arts and skills learned will forever enhance students' lives.

EXPENSES AND FINANCIAL AID

HOW TO APPLY

The process to apply for financial aid at UW-Whitewater is as follows:

Complete a Free Application for Federal Student Aid (FAFSA) and submit it to Federal Student Aid Programs. The FAFSA is available from any high school guidance counselor or the Financial Aid Office. The FAFSA can be completed after January 1 of the new year once the federal income tax returns for the previous year are completed. The FAFSA requires accurate information. Inaccurate information can result in time-consuming corrections. Submit the FAFSA by the priority date of March 15. Applications submitted after March 15 may be too late for many aid programs.

As a result of completing the Free Application for Federal Student Aid, the student will receive a Student Aid Report (SAR), which contains the results of a student's eligibility for financial aid. If it contains incorrect information, the student should make the necessary corrections on the report and return it to the address indicated on the form.

Other Requirements:

The student must be accepted for admission to UW-Whitewater before the application will be considered.

Ability to Benefit - Students seeking Title IV federal aid must have a high school diploma or its recognized equivalent GED. If students have neither, they must first pass an independently administered test proving the ability to benefit.

Additional information as requested.

International Students:

Contact the Financial Aid Office for information and appropriate forms regarding the International Student Grant and the Admissions Office regarding the International Student Scholarship. All aid programs except the International Student Grant and Scholarship require U.S. citizenship or permanent residency. Students on foreign student visas (F-1's) are not eligible for federal or state funds.

POLICY ON AWARDING FINANCIAL AID

Financial aid is awarded based on tuition and other educational expenses. Enrollment is captured on the 10th day of the term and student financial aid will be revised accordingly. Students awarded financial aid after the 10th day of the term will be awarded based on actual enrollment for the current term and projected enrollment for the spring term.

CHANGE OF ADDRESS: All new students must notify the Admissions Office of a change of address. All continuing students may change their address(es) on the WINS System or notify the Registrar's Office. The Financial Aid and Student Financial Services Offices rely upon those offices for accurate address information.

REAPPLY ANNUALLY: Students must reapply annually for all types of financial aid.

SUMMER TERM: To apply for summer term financial aid, students must complete a Summer Term Application which is available in the Financial Aid Office. This is in addition to the FAFSA. To be eligible for aid, students must be enrolled at least half-time (six units undergraduate and four and one half units graduate).

ACADEMIC PROGRESS: Students are required to comply with UW-Whitewater's Academic Progress requirement in order to maintain their eligibility to be considered for financial aid. Academic Progress requirements are published in the University's Schedule of Classes. Failure to meet the requirements will result in loss of eligibility for all major types of financial aid. Students who do not meet the requirements can appeal their academic progress status.

ADDITIONAL OUTSIDE RESOURCES: The student's financial aid package is subject to change based upon assistance received from other sources. This includes private scholarships, fee waivers, Division of Vocational Rehabilitation funds, resident/campus assistantships, ROTC, etc.

CONFIDENTIALITY: Written and verbal financial information concerning students and parents is confidential and will not be released without written permission.

CHANGES TO FINANCIAL SITUATION: The Financial Aid Office must be notified directly of changes which may affect the family's ability to provide financial assistance to the student. These changes may include loss of employment or benefits, a significant decrease in income, separation or divorce, death or disability.

WHAT WILL IT COST TO ATTEND UW-WHITewater?

Financial planning for college should begin with an estimate of what the total cost will be for one academic year at UW-Whitewater. While fees (tuition) and room and board expenses will represent the majority of the expenses, there are also expenses for books, laundry, personal supplies, entertainment, and travel. If realistic budgetary allowances for such items are made now, the final financial projections will be more accurate and useful. Allowances should also be made for increases in fees because of inflation and policy changes.

ESTIMATED YEARLY BUDGET WISCONSIN RESIDENT UNDERGRADUATE STUDENT 2005-2006 ACADEMIC YEAR

*	Tuition/Books	\$4,150
	Room & Board	4,400
**	Books, supplies	650
	Transportation	850
	Personal expenses	<u>1,900</u>
	TOTAL	\$11,950

* Non-resident (except Minnesota) undergraduates add \$11,050.

** While most required undergraduate textbooks are available

through the textbook rental system, some must be purchased.

The following is a sample budget and need analysis for a dependent student paying in-state tuition:

Parents' Contribution	\$ 800
Student's Contribution	<u>+ 400</u>
TOTAL FAMILY CONTRIBUTION	\$1,200
Total UW-W Cost of Attendance	\$11,950
Less Family Contribution	<u>-1,200</u>
TOTAL NEED	\$10,750

The following is a sample financial aid package for the same student enrolled full time:

Federal Pell Grant	\$2,850
Wisconsin Higher Education Grant	1,113
Federal Supplemental Educational Opportunity Grant	1,000
Federal Perkins Loan	1,000
Federal Work-Study	2,000
Federal Direct Stafford Loan	2,625
Federal Direct PLUS Loan	<u>+1,362</u>
TOTAL	\$11,950

Students have the option of accepting all or part of the assistance offered.

Financial aid is calculated on the number of units the student intends to take. Financial aid packages must be adjusted for less than full-time enrollment.

GRANTS

A grant is a form of aid which does not have to be repaid.

FEDERAL PELL GRANT: The Federal Pell Grant Program provides a "foundation" of financial aid to undergraduates to which aid from other federal, state and private sources may be added. To determine a student's eligibility for a Pell Grant, the U.S. Department of Education uses a standard formula to evaluate the information the student supplies on an aid application. The formula produces an Expected Family Contribution, which indicates whether or not the student is eligible. This amount is on the Student Aid Report (SAR), which is sent to the student.

FEDERAL SUPPLEMENTAL EDUCATIONAL OPPORTUNITY GRANT (FSEOG): The Federal Supplemental Educational Opportunity Grant is a federally funded grant program. FSEOG's will be awarded first to those undergraduate students with exceptional need, those with the lowest expected family contributions and Federal Pell Grant recipients.

WISCONSIN HIGHER EDUCATION GRANT (WHEG): The Wisconsin Higher Education Grant is a state funded grant available to eligible undergraduate Wisconsin residents who demonstrate financial need. Awards are determined by the Higher Educational Aids Board.

TALENT INCENTIVE PROGRAM GRANT (TIP): The Talent Incentive Program Grant is administered by the Department of Public Instruction's Wisconsin Educational Opportunity Program (WEOP). The purpose of TIP is to provide supplemental grant awards to extremely needy nontraditional students. TIP awards are designed to reduce the need for self-help aid during the period of greatest academic vulnerability. Contact your local WEOP Office.

INDIAN STUDENT ASSISTANCE PROGRAM: The Indian Student Assistance Program grants are available to Native Americans who demonstrate financial need, are enrolled in a post secondary program in Wisconsin, and are Wisconsin residents of one-fourth Native American lineage. Applicants must complete the Indian Scholarship Application available from the Bureau of Indian Affairs, or the Financial Aid Office, in addition to the Free Application for Federal Student Aid (FAFSA).

NON-RESIDENT GRANT: These grants are available to out-of-state (excluding Minnesota) students enrolled full-time who demonstrate need. Upperclassmen must have a cumulative grade point average of 2.00 or better. These awards cover part of non-resident tuition expenses.

INTERNATIONAL STUDENT SCHOLARSHIP: Each year UW-Whitewater's Admissions Office selects 10 new freshmen from foreign countries to receive scholarships. The awards are renewable for up to four years. The awards are based on academic record and financial need. Awards are made in the form of a partial waiver of non-resident tuition. Contact the Admissions Office, Baker Hall, 262-472-1440, for more information.

INTERNATIONAL STUDENT GRANT: The Financial Aid Office has a limited amount of funds available to assist continuing students from foreign countries. Applicants must have earned a minimum of 24 units at UW-Whitewater with a minimum G.P.A. of 2.50 for undergraduates. These awards are made on the basis of need resulting from extenuating circumstances. Awards are made in the form of a partial waiver of non-resident tuition.

WISCONSIN HEARING/VISUALLY HANDICAPPED GRANT: These grants provide assistance to Wisconsin residents who are deaf, hard of hearing, or visually handicapped. To qualify, such students need to demonstrate financial need. Grants are determined by the Higher Educational Aids Board.

U.S. AIR FORCE ROTC SCHOLARSHIPS AND INCENTIVES: Air Force ROTC has several types of scholarship opportunities available for students. High school seniors must apply for the Air Force ROTC College Scholarship Program no later than December 3. If selected, high school seniors are awarded 3- and 4-year AFROTC scholarships. For those students already in college and who are eligible, AFROTC offers the Professional Officer Course Incentive. Each term, the incentive pays \$1,500 per term for tuition, and \$225 for textbooks. Students also receive a monthly stipend of at least \$250. For more information, contact the Air Force ROTC representative at 262-472-1876. Campus location is Room 119 Salisbury Hall.

U.S. ARMY RESERVE OFFICER TRAINING CORPS (ROTC) SCHOLARSHIP: There are four categories of annual scholarships awarded by the Department of Army available to students participating in Army ROTC. High school seniors

entering a university with Army ROTC may compete with students across the nation for a four-year scholarship. Interested students should contact the Department of Leadership, Military Science and Aerospace Studies, 262-472-1541, any time from September 1 through November 1 during their senior year in high school. Two-year, three-year and three and one-half year scholarships are also available to selected students participating in Army ROTC.

LAWTON UNDERGRADUATE MINORITY RETENTION GRANT: These grants provide funds to undergraduate minority students (Hispanic, African-American, Native American, Southeast Asian) who are of at least sophomore status. Qualifying minorities must be U.S. citizens and Wisconsin residents who are enrolled at least half-time and making satisfactory academic progress. Students who demonstrate financial need must have a grade point average of 2.0 or better; students not eligible for financial aid must have a grade point average of 2.4 or better to be considered. Contact the Assistant Vice Chancellor for Academic Support Services, 226 McCutchan Hall, 262-472-4985, for applications and information.

DIVISION OF VOCATIONAL REHABILITATION (DVR): DVR assistance is available to students having some type of disability. Vocational Rehabilitation is a Division of the Wisconsin Department of Health and Social Services. Students should contact their local DVR counselor in addition to filing the FAFSA.

WISCONSIN GRANTS FOR STUDY ABROAD

There is a limited amount of funding for study abroad grants. These grants are intended to increase the number of UW System students studying abroad. Grants will be provided for only those experiences that grant credit regardless of program length. A recipient must be a Wisconsin resident, undergraduate student enrolled in a program leading to a bachelor's degree.

REFUGEE TEACHER TRAINING GRANTS

Refugee students and children from refugee families who are undergraduate students majoring in education with junior or senior status and graduate students majoring in education are eligible for these grants. Each undergraduate student may be eligible for up to \$5,000 per year. A graduate student may be eligible for up to \$6,000 per year.

ADVANCED OPPORTUNITY GRANT (AOP)

AOP grants are intended for African American, Latino, American Indian, designated Southeast Asian, and disadvantaged students. Both Wisconsin residents and non-residents are eligible, although preference is given to Wisconsin residents. Full-time and part-time graduate students are eligible.

LOANS

A loan is a form of financial assistance which must be repaid and should only be accepted with the full realization of that responsibility.

FEDERAL PERKINS LOAN PROGRAM: Federal Perkins Loans are available to undergraduate and graduate students. Awards are determined by the Financial Aid Office based upon financial need and availability of funds. Borrowers must sign a promissory note for the loan, which is interest-free as long as they are enrolled at least half-time at any eligible institution. Repayment of the principal plus 5% interest per year begins nine months after the student leaves school or graduates. Repayment is determined by federal regulations.

FEDERAL DIRECT STAFFORD LOAN (Subsidized): The Federal Direct Stafford Loan enables undergraduate and graduate students enrolled at least half-time to borrow directly from the federal government. To be eligible, students must demonstrate financial need. The school determines financial need based on the information provided on the FAFSA. The federal government pays the interest on these loans while students are in school and during certain periods, such as grace and deferment (a postponement of repayment). Undergraduate freshmen are limited to loans of \$2,625; sophomores (24-59.5 units) are limited to \$3,500; junior and senior undergraduates (students with 60 units or more) are limited to \$5,500. Graduate students are eligible to receive up to \$8,500 per year. Undergraduates are limited to a cumulative total of \$23,000 in Federal Direct Stafford Loans and there is a \$65,500 cumulative total for undergraduate and graduate study. Federal Direct Loans are interest-free until six months after graduation or the time the student leaves school. An origination fee of 1.5% is assessed at the time the loan is made. This money goes to the federal government to help reduce the cost of supporting this low-interest loan. Interest rates are variable and are adjusted each year on July 1.

FEDERAL STAFFORD LOAN (Unsubsidized): To be eligible, students do NOT need to demonstrate financial need. However, students are responsible for all interest even while enrolled, which differs from the subsidized loan. The same borrowing limits apply less amounts borrowed under the subsidized program. For example, a freshman may borrow a maximum of \$2,625 per year in combination of both programs. Independent undergraduates may be eligible for higher limits.

FEDERAL DIRECT PLUS LOAN: The Federal Direct PLUS Loan program enables credit-worthy parents of undergraduate dependent students to borrow. The PLUS Loan may not exceed the student's estimated cost of attendance minus any estimated financial assistance the student has been or will be awarded during the period of enrollment. This includes the no-need Federal Direct Unsubsidized Stafford Loan. Funds are borrowed directly from the federal government. An origination fee is assessed at the time the loan is made. Interest rates may vary from year to year and will be determined by the federal government. You may contact the Financial Aid Office for the PLUS Loan Request Form.

EMPLOYMENT OPPORTUNITIES

Students must be enrolled at least half-time or have been accepted for such enrollment for any on-campus employment. The most common types of positions available are Federal Work-Study positions and Regular Payroll positions.

Students on foreign student visas (F-1's) are eligible for on-campus Regular Student Payroll positions only, and they are restricted to 20 hours per week during periods of enrollment.

During the summer or other vacation periods when students do not have classes, they may work a maximum of 40 hours per week. In general, the basic pay is the prevailing minimum wage.

FEDERAL WORK-STUDY EMPLOYMENT: The Federal Work-Study program is a federally funded financial aid program available to citizens or permanent residents of the United States. To be eligible, the student must receive a Federal Work-Study allocation as a part of the financial aid package.

Federal Work-Study employment is typically on campus, and work schedules are set up around classes. Students are encouraged to participate in the many community-service related activities available. Typical on-campus jobs include clerical work; assisting in the library, laboratories, or computer labs; tutoring; and child care assistance.

Proceeds from Federal Work-Study employment are paid directly to the student and are not automatically subtracted from the student bill.

REGULAR STUDENT PAYROLL: Each year hundreds of on-campus part-time jobs are made available by UW-Whitewater. Jobs (similar to Federal Work-Study positions) in university offices, laboratories, or other facilities can be applied for by any student enrolled on at least a half-time basis. These positions are listed via the Web. Look for Student "Jobline" on the UW-Whitewater Financial Aid and Student Employment Office homepage. If unable to access the site, contact the Financial Aid Office.

All students working on campus are paid via a bi-weekly paycheck or direct deposit to their savings or checking accounts.

FOOD SERVICE: The private company with the contract to provide food services to UW-Whitewater hires approximately 225 students each year to work in the dining halls and for its catering service.

OFF-CAMPUS: Each year the Financial Aid Office lists many part-time jobs in private homes, businesses, and industries in the Whitewater area. Students on foreign student visas (F-1's) are not eligible for off-campus employment without special permission.

Federal Policy for Return of Title IV Funds

The Financial Aid Office must adhere to federal law when determining the return of financial aid to the financial aid programs.

Withdrawal

If a financial aid recipient withdraws during a term, the Financial Aid Office must calculate the amount of Title IV aid the student did not earn. Unearned funds must be returned to the Title IV Programs.

The basic formula is:

$$\begin{array}{l} \text{Percent of enrollment} \\ \text{period completed based on} \\ \text{withdrawal date} \end{array} \times \begin{array}{l} \text{Aid that disbursed} \\ \text{or could have} \\ \text{disbursed} \end{array} = \text{Earned Aid}$$

$$\begin{array}{l} \text{Aid that disbursed} \\ \text{or could have disbursed} \end{array} - \text{Earned aid} = \text{Unearned aid}$$

The school must return:

$$\begin{array}{l} \text{Amount of} \\ \text{institution charges} \end{array} \times \begin{array}{l} \text{The percent of aid} \\ \text{that was unearned} \end{array}$$

Student must repay:

The amount of unearned Title IV - The amount of unearned Title IV aid to be returned IV aid due from the school

If the repayment of funds affects grant dollars received, the student's repayment of these funds will be reduced by 50 percent.

Students will repay loan funds based on repayment terms of the promissory note. Repayment of grant funds in full can be arranged with the school or a payment plan may be arranged with the Department of Education.

If a student withdraws the first term, but plans to return spring term, he/she must submit WRITTEN notification to the Financial Aid Office so that aid may be reinstated and/or revised. If a student fails to notify the Financial Aid Office, the aid will remain cancelled.

SCHOLARSHIP PROGRAM

The University offers a number of scholarships intended to reward academic excellence. Scholarships awarded to UW-Whitewater students are made possible by the University itself, alumni, concerned individuals, companies, and various organizations.

The number and type of scholarships are constantly changing; consequently, interested students are encouraged to contact the Coordinator of Scholarships in care of the Admissions Office (262-472-1440) for information and/or a scholarship application. Detailed information is available on the UW-Whitewater Homepage: www.uw.edu. Students are encouraged to apply early in order to enhance consideration as a scholarship recipient.

UW-Whitewater offers a wide variety of scholarships and every effort will be made to assist deserving students.

U.S. AIR FORCE ROTC SCHOLARSHIPS

High school seniors entering a university with the Air Force ROTC may compete with students from across the nation for three and four year scholarships to pay for tuition, books and fees. Students who are already in college can apply for one, two and three year scholarships at specific intervals during the academic year. In addition, the Air Force routinely sponsors a series of special scholarships targeted for specific majors, or to address under representation of some racial or ethnic groups in the Air Force. Lastly, the Air Force sponsors incentive scholarships that pay \$1,500 per term for tuition and \$225 for textbooks. Students also receive a monthly stipend of at least \$250. For more information, contact the Air Force ROTC representative at 262-472-1876. Campus location is in Room 119 in Salisbury Hall.

U.S. ARMY RESERVE OFFICER TRAINING CORPS SCHOLARSHIP (ROTC)

Two types of US Army ROTC scholarships are available to qualified students registered at the University of Wisconsin-Whitewater:

- 1) Four-year scholarships are awarded to high school seniors following a national competition. The early cycle applications must be submitted prior to November 15 -- 10 months before entrance into college. The regular cycle applications must be submitted before December 1st -- nine months before entrance into college.
- 2) Two-year, three-year and three and one-half year scholarships (campus-based) - a limited number of scholarships are available to any qualified UW-W student in any academic discipline. Completed applications must be received by the Department of Leadership and Military Science before April 15 for a three year scholarship and June 1 for a two year scholarship.

The US Army ROTC scholarship pays for tuition, laboratory fees, on-campus educational fees, and a flat rate of \$225 a Fall/Spring Term from which students may purchase textbooks, classroom supplies and equipment. Army ROTC scholarship winners also receive a tax-free subsistence allowance of \$200 for freshmen; \$250 for sophomores; \$300 for juniors and \$350 for seniors a month for up to 10 months for each year that the scholarship is in effect. Scholarships at UW-Whitewater are worth approximately \$3,500 a year and are available for two-year, three-year and three and one-half year periods to both men and women. Scholarship applications are available at the Department of Leadership and Military Science, Room 111, Salisbury Hall.

ARMY NATIONAL GUARD

Qualified students can enlist in the Wisconsin National Guard and receive a "New GI Bill" tuition assistance of \$9792, tax free binding the completion of military training. Also as a member of the guard a student will receive a monthly paycheck for approximately \$150 for attending a one weekend drill a month.

Benefits of the Guard

The Wisconsin Army National Guard tuition grant pays 100% tuition (only) to student National Guard members. All Wisconsin Army National Guard enlisted members and warrant officers who do not possess a bachelor's degree are eligible. The tuition grant is based on an average of all University of Wisconsin resident, undergraduate tuition charged by the university. The grant can be used at any school with a title IV school code. This tax-free tuition "grant" is paid as a reimbursement to the soldier/student after completion of classes, the grades have been posted and if the semester GPA is equivalent to a 2.0 or better. For more information on any of the programs, go to www.wisconsinnguard.com or call the Wisconsin Army National Guard Education Office, at (800) 292-9464 ext. 2. You can also send e-mail to: doug.kolb@wi.ngb.army.mil.

Simultaneous Membership Program

While contracted in the Advanced ROTC Leadership Program (Junior and Senior years) in college you are eligible to participate in the SMP program. As an officer trainee you'll receive SGT (E-5) pay of \$230 plus for the monthly training assembly. An additional ROTC Advance Corps Training Program pay between \$300 to \$350. You're entitled to 100% tuition grant, and based on previous military experience you may also be eligible for the GI Bill of \$282 per month, tax free.

CLEP

The College Level Examination Program is at no cost to an enlisted Guard member. The CLEP purpose is to assist students with post-secondary education goals. The CLEP is administered by Wisconsin National Guard Education Office.

METEC

Military Experience and Training Evaluations is a computer program that lists recommended college units for prior military experiences.

Scholarships and Grants

Numerous scholarships, grants and awards by the following associations: Wisconsin National Guard Enlisted Association, Enlisted Association of the National Guard of the United States; in addition to private organizations, individuals and alumni.

ARMY RESERVE

Qualified students can enlist in the United States Army Reserve and receive a "New GI Bill" tuition assistance of approximately \$275 a month after 6 months of qualified service. Also as a member of the reserve forces a student will receive a monthly paycheck for approximately \$230 for attending a one weekend assembly a month. For additional information contact the Department of Leadership and Military Science, Room 111, Salisbury Hall.

Qualified students can participate in ROTC on a contractual basis and receive approximately \$6,500 over a two year period normally during their junior and senior years. Students may combine ROTC and National Guard/Army Reserve financial assistance and can benefit from a \$10,000 to \$20,000 loan repayment plan. For additional information, contact the Department of Leadership and Military Science, Room 111, Salisbury Hall.

Students interested in pursuing a career in the Army Reserve or National Guard rather than active duty can apply for a Guaranteed Reserve Forces Scholarship which pays tuition, \$300 a month and \$255 for books and miscellaneous expenses. There is no active duty commitment associated with this scholarship.

MONEY MATTERS

Academic fees are set by the Board of Regents of the University of Wisconsin System and are subject to change by the Board without notice. Fees shown here are those in effect at the time this catalog was prepared and are subject to change without notice.

UNIVERSITY OF WISCONSIN-WHITTEWATER 2005-2006 Term FEE SCHEDULE

UNDERGRADUATE

	RESIDENT	NON-RESIDENT
12.0 & over	\$2,139.50	12.0 & over \$7,162.70
11.0	1,962.40	11.0 6,567.00
10.0	1,784.00	10.0 5,970.00
9.0	1,605.60	9.0 5,373.00
8.0	1,427.20	8.0 4,776.00
7.0	1,248.80	7.0 4,179.00
6.0	1,070.40	6.0 3,582.00
5.0	892.00	5.0 2,985.00
4.0	713.60	4.0 2,388.00
3.0	535.20	3.0 1,791.00
2.0	356.80	2.0 1,194.00
1.0	178.40	1.0 597.00
.5	89.20	.5 298.50

GRADUATE

9.0 & over	\$2,693.90	9.0 & over \$7,998.95
8.0	2,394.40	8.0 7,110.40
7.0	2,095.10	7.0 6,221.60
6.0	1,795.80	6.0 5,332.80
5.0	1,496.50	5.0 4,444.00
4.0	1,197.20	4.0 3,555.20
3.0	897.90	3.0 2,666.40

2.0	598.60	2.0	1,777.60
1.0	299.30	1.0	888.80
.5	149.62	.5	444.40

SPECIAL GRADUATE BUSINESS FEES

9.0 & over	\$2,971.10	9.0 & over	\$8,289.00
8.0	2,640.80	8.0	7,368.00
7.0	2,310.70	7.0	6,447.00
6.0	1,980.60	6.0	5,526.00
5.0	1,650.50	5.0	4,605.00
4.0	1,320.40	4.0	3,684.00
3.0	990.30	3.0	2,763.00
2.0	660.20	2.0	1,842.00
1.0	330.10	1.0	921.00
.5	165.05	.5	460.50

Academic Fees. All students who attend the university pay academic fees assessed by the Board of Regents of the University of Wisconsin System. A non-resident fee is added to the academic fee for non-resident students.

EXCESS CREDIT POLICY

The University of Wisconsin System Board of Regents established an Excess Credits Policy that takes effect beginning the 2004 fall term. This policy requires that resident undergraduate students who earn more than 165 credits (or 30 more than their degree requirements) toward their first undergraduate degree pay a surcharge for all credits beyond 165. The surcharge will approximately double the tuition that resident undergraduates pay and will be applied to students in the term following the one in which they reached the earned credit limit (students enrolled in the 2004 fall term, who had reached the credit limit in a previous semester will be assessed the surcharge in 2004 fall).

The Excess Credits Policy covers all earned credits from UW-Whitewater as well as earned credits from other UW System schools or Wisconsin Technical College System (WTCS) schools that are accepted toward the first baccalaureate degree. Credits transferred from other colleges outside the UW System or the WTCS do not count toward the 165-credit limit. In addition, advanced placement, retroactive credits, credits by examination, and remedial credits do not count toward this limit.

Students who have questions about the policy should contact their college advisor.

Registration Deposit. All new students are required to pay a \$100.00 enrollment deposit .

Special Course Fees represent charges in addition to the regular instructional fee and tuition. These fees are charged to students enrolling in certain courses that have been approved for such a fee for materials that represent special or extraordinary cost; for example, art courses dealing with precious metals. All such special course fees are specified for each such course each term in the Schedule of Classes.

Fee Payments. UW-Whitewater offers two methods to pay fees:

1. Payment in full. Students may pay all fees (academic, room,

food) in full by the billing due date for advance registrants. If they register after the advance registration process, students should pay in full at the same time they register.

2. University Installment Credit Plan. If electing to use the installment plan, students must fulfill the following requirements:

- a. They must have a signed Installment Credit Agreement and Marital Property Form on file with the University.
- b. The \$100 enrollment deposit will become the required down payment for all registrants wishing to participate in the university installment plan. If registering after the advance registration process, students must sign the Installment Credit Agreement. If total charges are less than \$100, students do not qualify for the installment plan and must pay fees in full. The University Schedule of Classes contains all billing dates and payment dates for the current term.
- c. The balance of the financial obligation plus a FINANCE CHARGE AT AN ANNUAL RATE OF 15% (1.25% monthly periodic rate) on balances. Billing statements are mailed to the student's local address as filed with the Office of the Registrar; however, failure to receive a statement in no way relieves a student from the obligation to make timely payments.
- d. Failure to have a signed Installment Credit Agreement on file will result in administrative charges of up to \$75 if fees are not paid in full during the registration fee payment process.

REFUND OF FEES

The refund schedule applies to individual class drops as well as complete withdrawal (dropping all classes in a term).

In determining the withdrawal date, the University uses the date students notify the Registrar's Office of their official withdrawal; or, if they fail to notify the Registrar and they are otherwise unable to verify the date of the withdrawal, the date of the request for refund is used to determine the amount of the refund.

Refund Schedule For Withdrawals or Drops

Session Length	Week of Session				There- after
	Wk.1	Wk.2	Wk.3	Wk.4	
12 wks. & over	100%	100%	50%	50%	None
8 wks. through 11 wks.	100%	50%	25%	None	None
5 wks. through 7 wks.	100%	50%	None	None	
3 wks. through 4 wks.	100%	25%	None	None	
2 weeks	100%	None			

The refund schedule changes accordingly for sessions of shorter duration.

GENERAL BILLING COLLECTION POLICIES

The University of Wisconsin-Whitewater requires all students to comply with the following billing policies:

1. The Student Accounts Office will generate billing statements on term accounts during the following time periods:

ADVANCE REGISTRATION BILLING - If students register during the advance registration process, they will be mailed an advance registration billing statement which will allow them to pay their fees in full and/or elect to go on the University Installment Plan.

FIRST INSTALLMENT BILLING - Students are required to pay at least 1/2 of their total balance by the due date of this bill.

LAST INSTALLMENT BILLING - Students are required to pay the entire remaining balance by the due date of this bill.

Failure to receive a bill will not relieve students from paying by the required due dates.

2. If students have a current term account that has a balance due after the due date of the last installment billing, they will not be allowed to advance register for the following term.
3. Students are urged to sign an Installment Credit Agreement to avoid the possibility of being assessed additional administrative costs. The costs of additional administrative services will be charged to accounts with balances due unless they are on the installment plan.
4. The Installment Credit Agreement will continue on students' accounts unless revoked by the University. Installment Credit Agreements will be included with the advance registration billing. They are also available in the Student Accounts Office.
5. University policy will not allow any deferment of payments. Students must sign an Installment Credit Agreement and pay according to the installment plan.
6. Students registered for off-campus courses who are not on the installment plan will be charged a \$30 administrative fee if they are not paid in full within two weeks of the week in which the off-campus classes begin. Payments received later than that may result in cancellation of registration.
7. Payments are made at the University Cashier Office. Payments should be made payable to UW-Whitewater. Include the student's name, ID number, and purpose of payment such as "spring term", OR, when paying fees, include the top portion of a billing statement. A depository is available outside the University Cashier Office. Cancelled checks are considered receipts. If a cash register receipt is needed, include a self-addressed, stamped envelope with the payment.

Registrants may mail their payments to:

University Cashier
P.O. Box 88
Whitewater, WI 53190-0088

be assessed on all checks returned by a bank. Any checks returned after the original payment due date will be cause for registrations to be cancelled or an administrative fee assessed. A returned check is considered nonpayment.

Financial aid recipients, including students receiving Federal Direct and Parent Loans, must be prepared to pay the \$100.00 enrollment deposit out of personal funds, and sign an Installment Credit Agreement if one is not on file. Financial aid will be disbursed prior to the first day of classes if it is available. Any overpayments (refunds) can be picked up at the Cashier's Office during the first week of classes. After the first week, checks will be mailed. Picture identification is required to pick up checks. Financial aid checks must be used to pay any remaining balance on students' accounts before refunds will be issued.

Specific information on the amount or type of financial aid checks is privileged and will not be given over the telephone.

RETURNED CHECK CHARGE. A \$20.00 service charge will

COURSE LISTINGS

Courses are listed by subject area.

The subject abbreviation designates the department/subject area and subdiscipline within that area. The set of three numbers refers to the specific course within the subject area. For example, MUSC refers to the subject area, Music, and 143 refers to the specific course, Survey of American Jazz.

In any reference to a specific course, the full set of subject area and course numbers should always be used.

Course numbers 000-099 are courses that carry no unit towards degree requirements; courses numbered 100-299 are lower division courses. Courses numbered 300-499 are upper division courses which may be dual listed as 500-699 for graduate unit. Courses at the 700 level are open only to graduate students.

A course number may occasionally have a letter suffix to designate that it is open only to students with a specific educational background preparation.

The letter "G" appearing after the course title identifies the course as one that can be used in satisfying the University General Education requirement. The second letter following the "G" identifies the category within General Education in which the course applies. Proficiency and diversity courses are identified with the appropriate designation after the course title.

SPECIAL COURSES

These courses are available on a selected basis through most of the academic departments. The course descriptions are common to all departments. However, the prerequisites and the number of units permitted in certain programs may differ. Note the limitation of units for degree/programs identified in the Bulletin.

490 WORKSHOP

Group activity oriented presentations emphasizing "hands on" and participatory instructional techniques. Workshops have as their primary goal the imparting of either a specialized knowledge base regarding an instructional strategy or method or a specific skill. Presentations which are more broadly based in content or which emphasize intensive study and/or research procedures are not to be offered under a workshop number or title.

491 TRAVEL STUDY

A planned and directed group excursion involving extensive academically-focused travel, usually conducted in a foreign country.

494 SEMINAR

Group activity. An advanced course of study in a defined subject matter area emphasizing a small group in intense study with a faculty member.

496 SPECIAL STUDIES

Group activity. Not offered regularly in the curriculum but offered on topics selected on the basis of timeliness, need, and interest, and

generally in the format of regularly scheduled Catalog offerings.

498 INDEPENDENT STUDY

Individual activity in an area of special interest for a variable number of units under the sponsorship and guidance of a faculty member.

ABBREVIATIONS

Class Standing

fr	-	freshman
soph	-	sophomore
jr	-	junior
sr	-	senior
grad st	-	graduate standing

cons instr - consent of instructor

cons dept chp - consent of department chairperson

u - unit
***u** - unit to be arranged

equiv - equivalent

G - designates a course that can be used in satisfying General Education. The letter following the "G" designates the category within General Education in which the course applies.

A	-	Arts
E	-	Ethnic Cultures or Women's Studies
H	-	Humanities
I	-	Interdisciplinary
L	-	Laboratory Natural Sciences
M	-	Math and Natural Sciences (non-lab)
P	-	Physical Education
S	-	Social Sciences

hr - hour(s)

intro - introductory

req - requirement

Requisites:

Coreq: - Corequisite - A course which must be completed prior to, or concurrent with, registration for the specified course.

Prereq: - Prerequisite - A requirement that must be satisfied before registering for the course.

Equiv: - Equivalent - A course for which unit cannot be earned because the content overlaps with the specified course.

yr - year

Information about auxiliary aids and academic course adjustments for qualified disabled individuals are available through the department chairperson.

SUBJECT AREAS

The alpha subject area designates the discipline area within a department. The Department name and Subject Area codes are listed below.

Department	Subject Area	Marketing	MARKETNG
Accounting	ACCOUNT	Mathematics	MATH
Art	ARTSTDIO	Music	MUSC
	ARTHIST	Philosophy	PHILSPHY
Arts and Communication	ACINDP	Physics	PHYSCS
Astronomy	ASTRONMY	Political Science	POLISCI
Biological Sciences	BIOLOGY	Psychology	PSYCH
Chemistry	CHEM	Race & Ethnic Studies	RACEETH
Communicative Disorders	COMDIS	African-American Studies	AFRIAMR
Computer Science	COMPSCI	American Indian Studies	AMERIND
Counselor Education	COUNSED	Chicano Studies	CHICANO
Curriculum and Instruction	CIGENRL	Religious Studies	RELIGST
Reading	READING	Occupational & Environmental	SAFETY
Early Childhood	EARLYCHD	Safety & Health	
Secondary Education	SECNDED	Social Work	SOCWORK
Elementary/Middle	ELEMMID	Sociology	SOCIOLOGY
Practicum	CIFLD	Criminal Justice	CRIMJUS
Dance	DANCE	Anthropology	ANTHROPL
Developmental Studies	DEVLPED	Special Education	SPECED
Economics	ECON	Practicum	SPECFLD
Education	EDUINDP	Speech	SPEECH
Educational Foundations	EDFOUND	Theatre	THEATRE
Practicum	EDFNDPRC	Women's Studies	WOMENST
English	ENGLISH		
Finance and Business Law	FNBSLW		
Foreign Language General	FORNLANG		
French	FRENCH		
German	GERMAN		
Spanish	SPANISH		
English as a Second Language	ESL		
Geography	GEOGRPY		
Geology	GEOLOGY		
Health, Physical Education, Recreation and			
Coaching	PEGNRL		
Prof Physical Ed	PEPROF		
Health Education	HEALTHED		
Recreation/Leisure Studies	RECREATN		
Coaching	COACHING		
History	HISTRY		
Information Technology & Business	ITBE		
Education			
Interdisciplinary Studies	GENED		
International Studies	INTRNAR		
Intrauniversity Courses	INTRAUNV		
Journalism	JOURNLMS		
Languages and Literatures			
English	ENGLISH		
Foreign Language	FORNLANG		
French	FRENCH		
German	GERMAN		
Spanish	SPANISH		
English as a Second Language	ESL		
Leadership, Military Science &			
Aerospace Studies	LDRSHP		
Letters & Sciences	LSINDP		
Management	MANGEMNT		
Management Computer Systems	MCS		

TERMINOLOGY

Advisement Report (AR). A document that matches an individual student's complete academic course history against the prescribed set of degree program requirements in effect at the time of entry into the major. The report indicates requirements completed as well as those to be completed.

Adviser. The adviser is a staff member in the major field of study assigned by the appropriate University department to assist its majors.

Course. A particular subject being studied. For example, a course in English.

Class Number. A unique four digit sequential number assigned to each course/section listed in the schedule of classes. It is the number used in the registration system to identify course adds, drops, and grade basis changes.

Curriculum. The total group of allied courses required for a specific degree.

Developmental Studies. Courses designed to help students improve basic skills in the areas of reading, writing, and study skills. Consult an adviser or the Developmental Studies Office for further information.

Department. An administrative unit of the University which offers instruction in a particular branch of knowledge, such as the Department of Music.

Elective. An elective is a course which students may choose to study, as distinguished from a required course which must be taken.

Extracurricular. Activities which are part of student life but are not part of the course of study are extracurricular activities. Athletics, participation in student government or other campus organizations are examples of this type of activity.

Fee. A charge the University requires for certain services it offers.

Grade Points. (See index)

Grade Point Average (GPA). (See index)

Honors. (See index).

I.D. Card. The University provides students with a HawkCard (University ID Card). The HawkCard contains the name of the University, student name and photo, and a bar code and electronic encoding of the student ID number. The HawkCard will be used during the entire time students are enrolled at UW-Whitewater. It can be used for proof of enrollment, if required, which entitles a student to a number of special privileges and services. A fee is assessed for all replacement cards. For more information about the HawkCard policies and available services, visit the UW-Whitewater HawkCard web page.

Load. The total number of units for which students are registered in a term.

Major. The subject or field of study of specialization. For example, students planning to specialize in mathematics will major in that field. Students choosing to specialize in two subjects will have a double major.

Minor. A field of secondary emphasis. The total number of units required in the minor field is less than that required for the major.

Prerequisite. A preliminary requirement which must be met before certain courses can be taken. For example, English 101 is a prerequisite to all other courses in English and must be successfully completed before other

English courses are taken.

Registration. The act of enrolling in classes, usually at the beginning of a term. This involves choosing classes with the help of an adviser and submitting the course requests on the WINS System.

Required Courses. Courses which are prescribed by the University for the completion of a program.

Remedial Courses. Developmental courses in English and mathematics to prepare students for college level course work.

Schedule. A listing of the courses being taken each term.

Section Number. Used to distinguish one class from another. One course may be offered a number of times throughout the day or week. A student may be enrolled, for example, in Art History which has the course number ARTHIST 111 and section 13. The entire designation of this course is ARTHIST 111-13.

Term Hour. A term hour is generally a 50-minute period of instruction per week for a term. A three-term hour course would meet for three 50-minute periods each week for a term. Laboratory or activity periods are counted differently in the total hours for a course.

Schedule of Classes. A table or schedule (aka Timetable) showing all the courses to be offered by the University during a specific term.

Subject. See "Department."

Undergraduate. A student who has not obtained a bachelor's degree.

Unit. The numerical award received for completing a University course is described in term hours of unit. Freshmen normally register for 14-16 term hours of class units. A total of 120 units is required to graduate with a bachelor's degree; therefore, students planning to graduate in four years must average 15 units each term.

Waiver. Individualized changes from stated requirements that need approval of the appropriate college authorities. Information about waiver policies and procedures is available in the colleges dean's office. Consult with an adviser before requesting a waiver.

WINS. Whitewater Information Network for Students. WINS provides internet-based educational record self-service applications for students, faculty, and staff.

ARTS & COMMUNICATION

(Title Page)

COLLEGE OF ARTS AND COMMUNICATION

Phone: 262-472-1221 E-Mail: heyerj@uwv.edu
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John Hajdu Heyer, Dean
 Richard Haven, Associate Dean

DEPARTMENT CHAIRPERSONS

Art

Robert Mertens

Communication (*Journalism and Speech*)

Willfred Tremblay

Music

Harry Johansen

Theatre and Dance

Marshall Anderson

The College of Arts and Communication offers opportunities for expanding creative talents and aesthetic awareness, and for developing communication skills and understanding of the mass media in today's society. Students in the College acquire these skills and understandings through course work and participation in varied college activities.

Students are invited to attend plays, concerts, and exhibits, to audition for roles in the theatre productions, to participate in musical ensembles and to gain first-hand experience in areas of radio, television, film and print media. Many opportunities are available to volunteer and gain valuable experience. Involvement in the arts and communication fields will enrich the total college life.

If students choose to take courses in the arts and communication, they will be encouraged to discover and develop their talents. Their work with faculty will enable them to reach creative and analytical goals and to develop the perceptions, production skills and reflective dispositions which characterize professionals in their chosen discipline. Students in the College find a wide range of possibilities for participation in addition to opportunities to specialize in areas of particular interest. The production studios, rehearsal rooms, stages and media labs are busy and congenial places at all hours.

Students in Communication make use of a number of facilities and programs. Cable 19, the on-campus TV station, provides opportunities for experience in television production, direction and performance. Radio broadcasting facilities are available at WSUW, the campus radio station. The Journalism program offers opportunities to work on the Royal Purple, the student newspaper, as well as several computer labs, and a journalism reading room. Students in Art, Music, Theatre and Dance take advantage of the facilities in the Greenhill Center of the Arts, including carefully designed and fully equipped studios, computer labs, shops and rehearsal rooms for artists, dancers, musicians, actors and theatre technicians. The Crossman Gallery, the Barnett and Hicklin Studio Theatres, and the Light Recital Hall provide beautiful settings for students' exhibitions, theatre performances, dances, or music concerts. A number of interdisciplinary programs allow students in the college to interact and collaborate on professional projects. The adjacent Young Auditorium is an acoustically excellent performance facility with 1300 seats.

PROGRAMS IN ARTS AND COMMUNICATION

Students may prepare for a variety of careers through majoring or minoring in arts and communication, either preparing to be a practicing artist or communicator or in using those talents and skills in a variety of settings in business, education, non-profit organizations, the media, government, and other areas. Majors are available in: art (studio, graphics, art history),

art education, journalism (print, broadcast and advertising), music, music education, speech communication (public relations, electronic media, organizational and public communication), and theatre, and theatre education. For students whose career preparation cannot be met in a single department in the college, an individually designed major or minor is available. Other minors are: advertising, art, art history, art studio, arts management, dance, journalism, journalism education, multimedia, music, public relations, speech communication, speech elementary, speech secondary, and theatre.

Students are encouraged to work closely with their adviser to make the best choices for their personal and career goals from the wide array of course possibilities available. Graduates from the college have an excellent placement rate, moving into employment opportunities that use their well-developed talents and skills.

DEPARTMENTAL ORGANIZATIONS AND ACTIVITIES

The departments of the College sponsor a wide variety of organizations and activities in which students participate.

ART

The Student Art Association provides both professional and social activities for its members. Membership is open to all students enrolled in art or art education programs.

The Student Design Association, organized in 1992, accommodates the professional interests of students in the graphic design field. The organization sponsors opportunities to interact with professionals in graphic design and provides a forum for students to discuss techniques and skills involved in the design process.

COMMUNICATION

UW-W's student chapter of the National Broadcasting Society (AERho) is dedicated to providing pre-professional experience and contact with broadcast and cable industry professionals.

The Public Relations Student Society of America (PRSSA) is the student organization specifically for public relations students. The organization provides students with opportunities to use their writing and speaking skills, to build their leadership skills, to network with professionals, to attend workshops and conferences, to compete in case studies, and to make new friends.

The Royal Purple, an independent student newspaper, offers student journalists opportunities in writing, editing, sales, photography, layout, and management.

Advertising Society provides opportunities for advertising majors and minors to explore the advertising profession and interact with professionals in the field.

The Forensics team is open to all students and competes against other colleges and universities in regional and national contests.

MUSIC

The UW-W chapter of ASTA, the American String Teachers Association, is open to musicians who are interested in promoting excellence in string and orchestra teaching and playing.

The student chapter of NATS, the National Association of Teachers of Singing, encourages the highest standards of singing through excellence in teaching and the promotion of vocal education and research. Members participate in state and regional competitions, and professional development

activities.

The campus chapter of the Collegiate Music Educators National Conference (CMENC) is composed of music majors and minors interested in music education.

The International Association of Jazz Educators (IAJE) promotes the appreciation of jazz and its artistic performance, helps organize jazz curricula in schools, and fosters the application of jazz principles at all levels of education. Membership is open to any student interested in jazz.

Phi Mu Alpha Sinfonia: This music fraternity for men was established on this campus in December 1966. Its purpose is to promote musical performance and wide participation in all types of worthwhile musical activity. It is open to all men on the campus who show an active interest in music.

The Symphonic Wind Ensemble plays challenging band literature and is open by audition to all qualified students. This group annually tours in the spring and makes several appearances on campus.

The Concert Band is another large ensemble within the department that plays a variety of band literature. Open to all students with previous band experience by audition.

The Whitewater Symphony Orchestra performs several concerts each year from the standard symphonic repertoire. The orchestra sponsors a Concerto competition and performs a major work with the Choir each year. The group is open to all students and community members by audition.

The UW-W Jazz Band is open by audition to all UW-Whitewater students. The UW-W jazz Symposium is the premiere jazz group at UW-W. Directed by Steve Wiest, the Jazz Symposium performs student arrangements and original compositions of a professional level of difficulty. The Jazz Ensemble performs a wide array of standard and contemporary styles for a big band. The Jazz Lab Band also performs a variety of literature as well as serving as a "lab" environment for developing basic jazz skills. All groups are involved in many concerts and events throughout the year.

The Marching Band is open to any student who plays an instrument and has had some marching experience. The band provides entertainment for all home football games and one away game each year. They occasionally play for professional football or baseball games in Green Bay, Milwaukee and Chicago.

The Instrumental Ensembles: There are numerous small ensembles, which perform in concerts and recitals throughout the year. In addition, several larger groups perform concerts during the Spring Term. These are all open by audition and include Brass Choir, Clarinet Choir, Early Music Ensemble, Flute Choir, Horn Choir, Pep Band, Percussion Ensemble, Saxophone Quartet, String Ensemble, Trombone Choir and Trumpet Ensemble.

The Concert Choir is a select, mixed group of about 60 singers who perform music of all styles in campus concerts and on occasional tours.

The Chamber Singers are a highly selective ensemble of 32 singers specializing in madrigals, chanson and part-songs of all periods. They perform on campus and on annual tours.

The Class Act is a select group of 12-16 mixed voices that perform jazz and show tunes in concerts on and off campus. Openings are available for piano, bass and drums.

The Women's Chorale is a select ensemble of women's voices who perform a wide variety of works from the rich tradition of compositions for treble voices.

The Gospel Choir is a mixed chorus open to all UW-Whitewater students. Repertoire is selected from traditional spiritual to contemporary gospel, taught through the oral tradition "by ear".

The Opera Workshop is singers selected by audition; the Opera Workshop performs a recital of opera scenes in a staged, costumed scene recital once annually (Fall Term). For the more advanced singers, but auditions are open to all university students.

THEATRE AND DANCE

The Department of Theatre/Dance presents an extensive program of one-act and full-length plays directed by students in addition to the four mainstage productions directed by the faculty during the academic year. All University students are eligible for participation in acting, makeup, costuming, lighting, sound, stagecraft, and theatre management. Students are urged to note announcements for tryouts.

The University Players offer extracurricular experience in theatre and fellowship for all students interested in theatre production. Members direct student productions and studio performances.

Summer Theatre: The Department of Theatre/Dance produces three plays in June, and July "in the round" in the Center of the Arts. All students and interested persons in the community are invited to tryout for roles or to participate in other aspects of production. Participants may earn from 1 to 6 units by enrolling in the appropriate practicum course.

Children's Theatre/Touring Theatre: A play designed for children and family audiences is toured annually to elementary schools and public theatres in Wisconsin and northern Illinois.

Contemporary Dance: The annual dance concert is open to all students who demonstrate proficiency in dance. Men and women are invited to audition. It is presented each spring, featuring student performers and choreography by both faculty and students.

PROFESSIONAL FRATERNITIES

Delta Omicron: A professional fraternity for women and a charter member of the Professional Panhellenic Association, Delta Omicron's membership is made up of music majors interested in service to the musical community. Members usher for all activities sponsored by the Music Department and present at least one recital each year. Pledges are accepted in the spring and the fall, with scholarship and musicianship as the main requirements.

Phi Theta Psi: A professional fine arts society.

Pi Kappa Delta is a forensics honorary fraternity that recognizes qualified students who compete in inter-collegiate debate and forensics.

Tau Phi Lambda: Membership in this organization is open to all students interested in music, regardless of their major. Members engage in various service projects and social functions.

Theta Alpha Phi: Wisconsin Delta chapter of this national honorary dramatic fraternity was installed at Whitewater in May 1950. Membership is earned through participation in all phases of theatrical production and evidence of a continuing interest in theatre.

Zeta Phi Eta: A national professional fraternity in Communication Arts and Sciences.

COLLEGE DEGREE REQUIREMENTS

BACHELOR OF ARTS (BA)
 BACHELOR OF FINE ARTS (BFA)
 BACHELOR OF MUSIC (BM)
 BACHELOR OF SCIENCE (BS)

Students may earn a Bachelor of Arts, a Bachelor of Fine Arts, a Bachelor of Music or a Bachelor of Science from the College of Arts and Communication.

Successful completion of a minimum of one hundred twenty (120) units in the following areas is required:

College Degree Requirements

All new freshmen entering the Summer of 1994 or later and all transfer students entering the Summer of 1996 forward must complete the following degree requirements in addition to Proficiency, General Education, Diversity, and Writing:

BA Degree

All students must complete at least 2 Arts (GA) units outside their major department in the college in addition to the 3-unit World of the Arts course (GENED 110). It is advisable to first take The World of the Arts course. They must also complete a minimum of 6 Humanities (GH) units in addition to U.S. in a World Context (GENED 120) and World of Ideas (GENED 390).

BFA and BM Degrees

All students must complete at least 2 Arts (GA) units outside their department in the college in addition to the 3-unit World of the Arts course (GENED 110). It is advisable to first take The World of the Arts core course.

BS Degree

Students must complete at least 6 units in Natural Sciences/Mathematics (GL/M) in addition to the Laboratory Science course and general education elective 3 unit science or math.

Major 34-75 units:

The number of units required for a major varies with the different departments and the particular major desired. Consult the following sections of this catalog devoted to departmental major offerings.

Minor 22-24 units:

Requirements for a minor vary with the different departments and with the minor desired. The College of Arts and Communication accepts most University minors including the Professional Minor in Business Studies. A minor is not required with a major of 54 or more units. Consult the following departmental sections for these offerings.

Writing Proficiency in Major: This requirement is determined by each department.

General Electives

For the remainder of the 120 units, students will be free to plan with their adviser a program best suited to their needs and interests. If they meet the prerequisites stated by the respective departments, they are free to choose elective courses from any college in the university.

To be eligible to graduate as an Art, Music, or Theatre major, students must have a minimum grade point of 2.5 in the upper level courses within their major.

To be eligible to graduate as a Theatre BFA major, students must have a minimum GPA of 2.75 in the major and a 2.50 overall GPA.

A 2.00 cumulative GPA is required to declare the Speech major. A minimum 2.25 GPA is required in the major for graduation. The major GPA is based upon both the grades for courses completed at UW-W and those for courses accepted in transfer. Transfer students need a transfer 2.00 GPA to declare the major. To be eligible to graduate as a Journalism major, students must have a grade point of 2.00.

INTERDEPARTMENTAL

MAJORS/ EMPHASES

MULTIMEDIA DIGITAL ARTS (BA/BS)

MAJOR 42 UNITS

1. MULTIMEDIA COURSES:
 - a. ACINDP 150, ACINDP 151, ACINDP 487
2. COMMUNICATION TRACK: (student selects either Communication track or Art track)
 - a. SPEECH 238, JOURNLSM/SPEECH 270, JOURNLSM/SPEECH 271, JOURNLSM/SPEECH 352, JOURNLSM/SPEECH 350
 - b. SPEECH 239 OR JOURNLSM 310
 - c. SPEECH 440 OR SPEECH/JOURNLSM 431 OR JOURNLSM 420
 - d. SELECT ONE OF THE FOLLOWING: SPEECH 320, SPEECH 330, SPEECH 335, MUSC 452
 - e. SELECT ONE OF THE FOLLOWING: ARTSTUDIO 102, ARTSTUDIO 180, ARTSTUDIO 381, ARTSTUDIO 387, ARTSTUDIO 390
2. ART TRACK: (student selects either Communication track or Art track)
 - a. ARTSTUDIO 102, ARTSTUDIO 387, ARTSTUDIO 381, ARTHIST 320, ARTMULTI 389, ARTMULTI 391
 - b. SELECT TWO: ARTSTUDIO 385, ARTSTUDIO 388, ARTMULTI 392, ARTSTUDIO 390
 - c. SELECT ONE: SPEECH 239, SPEECH 424, SPEECH 440, JOURNLSM/SPEECH 431, MUSC 452
3. THEORY/STUDIO COURSES: ARTHIST 202, ARTSTUDIO 382, ARTSTUDIO 384, SPEECH 345, SPEECH 422, JOURNLSM 420
4. ELECTIVES: ANY CLASS LISTED IN SECTION 2 OR 3 BUT NOT USED IN EITHER SECTION, CLASSES LISTED IN THE ART TRACK OR THE COMMUNICATION TRACK WHEN THE OTHER IS SELECTED
 - a. JOURNLSM/SPEECH 493E OR ARTSTUDIO 492
 - b. ARTSTUDIO 498 OR JOURNLSM/SPEECH 498
 - c. ARTSTUDIO 201
 - d. ARTSTUDIO 311
 - e. ADDITIONAL ELECTIVES: BSEDCNA 255, COMPSCI 171, COMPSCI 181

ARTS MANAGEMENT MINOR

The Arts Management minor is not meant to be completely comprehensive, but rather a complement to other arts coursework that provides enough exposure at an early state to assist students in choosing a career in arts administration.

MINOR - 24 UNITS

1. ACINDP 363 and ACINDP 364
2. ACCOUNT 244 and MARKETNG 311
3. SELECT 8 UNITS FROM 1 OF THESE 2 GROUPS:
 - a. ACINDP 361 AND ACINDP 362 AND 4 UNITS FROM ACINDP 200 AND ACINDP 493
 - b. MANGEMNT 387 AND 5 UNITS FROM ACINDP 200 AND ACINDP 493
4. SELECT 6 UNITS FROM COURSES

ACINDP 361, ARTSTUDIO 180, JOURNLSM 220, JOURNLSM 320, JOURNLSM 321, SPEECH 202, SPEECH 203, SPEECH 204, SPEECH 242, BSEDCNA 353, BSEDCNA 363, BSEDCNA 364, ECON 245, MANGEMNT 211, MANGEMNT 301, MANGEMNT 320, MANGEMNT 385, MANGEMNT 486, MARKETNG 321, MARKETNG 337, MARKETNG 350,

MARKETING 432 OR OTHER COURSES APPROVED BY THE MINOR ADVISER ASSIGNED BY THE COLLEGE DEAN

INDIVIDUALLY DESIGNED MAJOR

This major is designed to permit students to focus their study on a topic or problem area which falls outside the limits of a conventional major. Since each major is individualized, what is deemed appropriate for one student may be deemed inappropriate for another. The purpose of the major is to accommodate an integration of the courses and programs not offered by the University; it is not a means of forming special majors or degrees which the University is not authorized to offer. The Individually Designed Major, leading to the Bachelor of Arts degree, must consist of a coherent pattern of approved courses taken in more than one department.

INDIVIDUALLY DESIGNED MAJOR WITH A MINOR (BA)

A grade point average of 2.5 is needed for admission to the program. A grade point average of 3.0 in the major is required for graduation.

OPTION I

MAJOR - 36 UNITS

1. SELECT 36 UNITS IN CONSULTATION WITH YOUR ADVISER. INCLUDE NO MORE THAN 24 UNITS FROM ANY ONE DEPARTMENT.

AN APPROVED MINOR IS REQUIRED FOR THIS MAJOR

OPTION II

MAJOR - 54 UNITS

1. SELECT 54 UNITS IN CONSULTATION WITH YOUR ADVISER. INCLUDE NO MORE THAN 24 UNITS FROM ANY ONE DEPARTMENT.

NO MINOR IS REQUIRED FOR THIS MAJOR

Writing Proficiency Requirement: Consult adviser (ENGLISH 370 recommended)

Electives bring the total to a minimum of 120 units. In either Option I or II of the Individually Designed Major students will choose as an adviser a faculty member whose competence is in the area of their interest. Together with the adviser they will plan the major and submit in writing to the College Individualized Major/Minor Committee for its approval a proposed list of courses, a schedule plan and a statement of the rationale and goals of the major program. The major should be approved, with the possibility of subsequent amendment, no later than the end of the sophomore year. Any later approval may result in additional terms of study. The program must be planned and approved in advance of admission to the major. Any changes in the major at a later date will require written permission from the Individualized Major/Minor Committee.

Under either Option I or II students may count at most 24 units from any one department for fulfillment of total degree requirements. The Individualized Major/Minor Committee will carefully review student proposed courses to assure a reasonable depth of study beyond the general survey level. One-half of the units earned for the major must be taken within the College of Arts and Communication. A concentration of course work within the College of Arts and Communication will meet the needs of students interested in interdisciplinary fine arts studies and those wishing to combine fine arts courses with a combination of any other college's courses. Primary supervision of the major rests with the Individualized Major/Minor Committee.

INDIVIDUALIZED MINOR

If students have definite educational goals which cannot be met by any of the existing minors, they may design an individualized minor consisting of at least 24 units in areas related to their clearly stated goals, and the courses included in the minor should be related to those goals. However, these courses do not have to be in areas related to the major. Each minor is approached on an individual student basis. Students may complete at most one individualized minor.

MINOR - 24 UNITS

1. SELECT 24 UNITS IN CONSULTATION WITH YOUR ADVISER. COURSES MUST BE OUTSIDE YOUR MAJOR AREA.

A statement of the content, nature and rationale of the proposed individualized minor must be approved by the major department. If fifteen or more units of the minor are to be taken in any one department of the College of Arts and Communication, the proposed minor shall be approved by that department as well as the major department. Further, the proposed minor shall be sent to the Office of the Associate Dean of the College of Arts and Communication for the Dean's referral to the College Individualized Major/Minor Committee for its approval.

The minor should be prepared early in the students' college career, preferably before the junior year. At least 12 units of the courses proposed for the minor must be earned after the plan is approved. Any subsequent changes in the minor must be approved by the Individualized Major/Minor Committee.

The responsibility for certifying that students have met the requirements of their minor rests with the Associate Dean of the College of Arts and Communication.

AUDIO STUDIES MODULE

An opportunity for students with an interest in audio technology to develop a strong base in audio theory while also garnering experience in sound reinforcement, broadcast production, multi-media and two- and multi-track music recording. Using an interdisciplinary focus, courses are taken from the communication, music and physics departments. Audio practica are scheduled at WSUS-FM, at the Young Auditorium, the Music and Theatre/Dance Departments and the University Center.

REQUIREMENTS - 9-12 UNITS

STUDENTS MUST SELECT A SEQUENCE THAT CONTAINS COURSES FROM OUTSIDE THEIR MAJORS. COURSES FOR THE MODULE CANNOT BE COUNTED FOR THE MAJOR WITH EXCEPTION OF THE AUDIO PRACTICUM.

1. AUDIO PRACTICUM (3 UNITS)
THEATRE 203 OR THEATRE 308 OR SPEECH 230
2. COGNATE AREAS (6-9 UNITS)
SELECT ONE SEQUENCE
 1. PHYSCS 160, PHYSCS 161, PHYSCS 240 OR MUSC 452
 2. MUSC 150, MUSC 452, PHYSCS 240 OR MUSC 151 OR SPEECH 239
 3. SPEECH 239, SPEECH 320, PHYSCS 240

ARTS AND COMMUNICATION - GENERAL

ACINDP 150 INTRODUCTION TO MULTIMEDIA STUDIES

3 u

This interdisciplinary course provides an overview of the multimedia industry. Special attention is given to the study of multimedia applications, approaches, and related industry, policy, ethical and impact issues.

ACINDP 151 INTRODUCTION TO MULTIMEDIA AESTHETICS 3 u

This course provides an overview of the aesthetics of multimedia design. Special attention is given to the study of contemporary interactive tools and their use in visual, oral and animated art, design and communication.

ACINDP 200 ARTS MANAGEMENT PRACTICUM 1-2 u

Participation in one or more areas of arts management including ticket office, house control, printing, publicity and public relations. Repeatable for a maximum of 4 units.

ACINDP 361 PERFORMING ARTS OPERATIONS AND MANAGEMENT 2 u

A study of the duties and required skills of managers of performing arts organizations including house management, facility management, box office management, and strategic planning, as well as an overview of human resource management, audience development, marketing, and legal procedures. Offered fall term in odd numbered years.

Prereq: THEATRE 100 or THEATRE 110 or consent of instructor.
Unreq: THEATRE 361

ACINDP 362 NON-PROFIT ARTS MANAGEMENT 2 u

A study of the duties and required skills of managers of various non-profit arts organizations. Areas of study will include structure of arts organizations, planning, programming, staffing, budgeting and marketing, with emphasis on fundraising, board development, and volunteer management. Offered spring term in even numbered years.

Unreq: THEATRE 362.

ACINDP 363 APPLIED STUDIES IN ARTS MARKETING 2 u

A study of the duties and skills of marketing managers of both commercial and non-profit arts-related businesses, as well as the individual artist in the marketplace. Topics include marketing research, planning a marketing budget, promotions, media relations, advertising, corporate and media sponsorship, and audience development. Offered fall term in even numbered years.

Coreq: MARKETNG 311. Unreq: THEATRE 363.

ACINDP 364 ISSUES IN ARTS MANAGEMENT 2 u

A study of topics, trends, and career options in the field of arts administration. Working professionals will explore with students issues they face in their occupations. Topics may include the role of the arts in society, leadership, public and private support and control of the arts, ethical issues, marketing challenges, computer technology and future trends in the field. Offered spring term in odd numbered years.

Prereq: Junior or senior academic status or consent of instructor. Unreq: THEATRE 364.

ACINDP 399 CAREER INFORMATION IN ARTS AND COMMUNICATION & LETTERS AND SCIENCES 1 u

Offered on a satisfactory/no credit basis only. Career information specifically for College of Arts and Communication and College of Letters and Sciences majors, focusing on self-analysis in preparation for the job search, resume-writing and interviewing. Particular attention will be given to career opportunities, the value of the degree program and possibilities for graduate study.

Prereq: Sophomore standing. Unreq: 600-399.

ACINDP 487 SENIOR MULTIMEDIA PROJECT 1 u

This course allows students the opportunity to complete a capstone multimedia project during their senior year. Students work with one or more faculty who advise and evaluate the project. During class meetings students work on the design of their projects and present their projects to the class and to the public. Students also develop professional networking and job acquisition skills and work on resume and portfolio preparation.

Prereq: Senior standing, the completion of at least 21 credits in the major, SPEECH 352 or ARTMULTI 391.

ACINDP 492 FIELD STUDY IN ARTS MERCHANDISING 1-6 u

Off campus investigation and study with designated arts related companies and individuals. Repeatable to a maximum of six units.

Prereq: Junior standing or consent of instructor.

ACINDP 493 ARTS MANAGEMENT/MERCHANDISING 2-6 u INTERNSHIP

In cooperation with a designated arts related company and with previously established guidelines, participation in the management and/or merchandising activities of an arts related operation.

Prereq: Junior standing and consent of instructor.

ACINDP 494 SEMINAR 1-3 u

Group activity. An advanced course of study in a defined subject matter area emphasizing small groups in intense study with a faculty member.

ACINDP 496 SPECIAL STUDY IN THE ARTS 1-3 u

A course designed to give students an opportunity to pursue special integrated topics in the arts which are not regularly included in the curriculum. Courses will be developed on the basis of need, interest and/or timeliness.

Repeatable four times for a maximum of 9 units in degree.

DEPARTMENT OF ART

Phone: 262-472-1324

E-Mail: art@uwm.edu

Faculty: Professors Amy Arntson, William Chandler, Denis Dale, Michael Flanagan (Gallery Director), Chris Henige, Daniel Kim, Dan McGuire, Robert Mertens (Chairperson), Susan Messer, Karen-Sam Norgard, Charles Olson, Gregory Porcaro, Max White, Xiaohong Zhang.

Housed in one of the best facilities in the state, the Art Department offers a wide range of courses in four primary areas: Fine Arts, Graphic Design/Multimedia Design, Art Education and Art History.

Emphasis is placed on developing students' individual skills and interests under the guidance of dedicated artist-teachers of regional, national and international reputation.

Careers in art are as diverse as the programs offered: in Graphic Design as illustrators, designers, art directors and in computer related fields; in teaching art and art history at various levels; in museum and gallery work; and in studio production fine arts areas of drawing, painting, sculpture, ceramics, printmaking, metals and jewelry, and photography.

ART DEPARTMENT STIPULATIONS

1. Each graduating senior is required to make an application for a senior show during the term prior to the anticipated term of graduation. Students are required to have faculty approval of their show portfolio by midterm of the term of graduation. Failure to meet these requirements may delay graduation.
2. BFA candidates will furnish the Department five high quality slides that are representative of their art production. These will be kept as a record in the slide library of the college.
3. Art majors are advised to meet the General Education requirements in the Arts by electing a course in an area other than Art. ARTST-DIO 121, 180, 222 and ARTHIST 111 cannot be used for any major program in Art. (See General Studies)
4. Art majors must meet all College of Arts and Communication requirements for graduation.
5. Art education programs lead to licensure for teaching grades K-12. For Bachelor of Science in Education program, see requirements for admission to College of Education. All Art students seeking licensure are advised to consult the Supervisor of Directed Teaching immediately for guidance in planning their program.
6. Art majors are responsible for consulting current advising sheets available in the Department Office and on the department web site for

- explanations and revisions in Department and College regulations.
- Students are limited to 3 Studio classes per term unless prior approval is given by the student's adviser, the department chair, and all faculty teaching those courses.
 - Students may be required to purchase supplies for art works they create and retain in studio art courses.

MAJORS/EMPHASES

NOTE: Some required courses are taught on an alternating schedule. Majors should see the department chair for projected course offerings.

ART (BA)

MAJOR - 42 UNITS

- ARTSTUDIO 102, ARTSTUDIO 103, ARTSTUDIO 201, ARTSTUDIO 202, ARTHIST 201 AND ARTHIST 202
- ARTSTUDIO 341 AND ARTSTUDIO 321
- ARTSTUDIO 251 OR ARTSTUDIO 271
- ARTSTUDIO 381 OR ARTSTUDIO 331 OR ARTSTUDIO 332 OR ARTSTUDIO 333 OR ARTSTUDIO 434/634
- SELECT 12 UNITS OF ART ELECTIVES IN CONSULTATION WITH AN ADVISER. A MAXIMUM OF 9 UNITS MAY BE TAKEN IN ANY ONE AREA OF DRAWING, PAINTING, PRINTMAKING, GRAPHIC DESIGN, PHOTOGRAPHY, CERAMICS, SCULPTURE, METALS OR ART HISTORY.

DEPARTMENT G.P.A. REQUIREMENT

- STUDENTS MUST HAVE A MINIMUM 2.5 G.P.A. IN UPPER LEVEL MAJOR COURSES. RLS

UNITS OUTSIDE THE FIRST MAJOR - 70 UNITS

- SELECT A MINIMUM OF 70 UNITS FROM OUTSIDE THE 1ST MAJOR (ART BA) RLS

WRITING PROFICIENCY - 3 UNITS

- ENGLISH 370 OR ENGLISH 274 OR ENGLISH 372 (OR APPROVED SUBSTITUTE INCLUDING PHILSPHY 271) RLS

AN APPROVED MINOR IS REQUIRED FOR THIS MAJOR

ART LICENSURE EMPHASIS (BA)

LICENSURE - 39 UNITS

- EDFOUND 212 OR EDFOUND 222
- EDFOUND 243 OR EDFOUND 445
- EDFOUND 425
- EDFNDPRC 210
- SECNDED 466
- CIFLD 492 AND ELEMID 424 - BOTH TO BE TAKEN SPRING TERM BEFORE PROFESSIONAL TERM
- SECNDED 423 - FALL TERM ONLY
- STUDENT TEACHING
 - SELECT 6 UNITS FROM CIFLD 411
 - SELECT 6 UNITS FROM CIFLD 414
- SPECED 205

MAJOR - 54 UNITS

- ARTSTUDIO 102, ARTSTUDIO 103, ARTSTUDIO 201, ARTSTUDIO 202, ARTSTUDIO 303, ARTHIST 201 AND ARTHIST 202
- ARTSTUDIO 251, ARTSTUDIO 271, ARTSTUDIO 311, ARTSTUDIO 321, ARTSTUDIO 341 AND ARTSTUDIO 381
- ARTHIST 318 (FALL ONLY) AND

ARTHIST 420 (SPRING ONLY)

- CHOOSE 1 COURSE FROM THE FOLLOWING:
ARTSTUDIO 331 OR ARTSTUDIO 332 OR ARTSTUDIO 333 OR ARTSTUDIO 434
- SELECT 3 ELECTIVE UNITS OF ART HISTORY (EXCEPT ARTHIST 111)
- SELECT 3 ELECTIVE UNITS OF ART STUDIO

DEPARTMENT G.P.A. REQUIREMENT

- STUDENTS MUST HAVE A MINIMUM 2.5 G.P.A. IN UPPER LEVEL MAJOR COURSES. RLS

UNITS OUTSIDE THE 1ST MAJOR - 70 UNITS

- SELECT A MINIMUM OF 70 UNITS FROM OUTSIDE THE 1ST MAJOR (ART BA) RLS

WRITING PROFICIENCY - 3 UNITS

- ENGLISH 370 OR ENGLISH 274 OR ENGLISH 372 (OR APPROVED SUBSTITUTE INCLUDING PHILSPHY 271) RLS

FINE ARTS GRAPHIC DESIGN EMPHASIS (BFA)

MAJOR - 78 UNITS

- ARTSTUDIO 102, ARTSTUDIO 103, ARTSTUDIO 201, ARTSTUDIO 202, ARTHIST 201 AND ARTHIST 202
- ARTSTUDIO 321 AND ARTSTUDIO 341
- ARTSTUDIO 303 AND ARTSTUDIO 311
- SELECT 1 COURSE FROM THE FOLLOWING:
ARTSTUDIO 331, ARTSTUDIO 332 OR ARTSTUDIO 333 OR ARTSTUDIO 434/634
- ARTHIST 318 AND ARTHIST 420
- SELECT 6 UNITS FROM ART HISTORY EXCEPT FOR COURSES ARTHIST 111, ARTHIST 201, ARTHIST 202, ARTHIST 318 AND ARTHIST 420
- SELECT 9 UNITS FROM COURSES IN 3-D AREAS OF CERAMICS, SCULPTURE, METALS AND JEWELRY
ARTSTUDIO 251, ARTSTUDIO 352, ARTSTUDIO 353, ARTSTUDIO 454, ARTSTUDIO 342, ARTSTUDIO 343, ARTSTUDIO 344, ARTSTUDIO 271, ARTSTUDIO 272 OR ARTSTUDIO 373
- ARTSTUDIO 381, ARTSTUDIO 382 AND ARTSTUDIO 383
- SELECT 15 UNITS FROM ADVANCED COURSES
ARTSTUDIO 484, ARTSTUDIO 485, ARTSTUDIO 387, ARTSTUDIO 384, ARTSTUDIO 482, ARTSTUDIO 498, ARTSTUDIO 385, ARTSTUDIO 388, ARTSTUDIO 390, ARTSTUDIO 492, ARTSTUDIO 496, ARTMULTI 389, ARTMULTI 391, OR ARTMULTI 392

DEPARTMENT G.P.A. REQUIREMENT

- STUDENTS MUST HAVE A MINIMUM 3.00 G.P.A. IN UPPER LEVEL MAJOR COURSES.

WRITING PROFICIENCY - 3 UNITS

- ENGLISH 370 OR ENGLISH 274 OR ENGLISH 372 (OR APPROVED SUBSTITUTE INCLUDING PHILSPHY 271) RLS

ART HISTORY EMPHASIS (BA)

MAJOR - 37 UNITS

- ARTHIST 201, ARTHIST 202, ARTHIST 313, ARTHIST 316 AND ARTHIST 318 (FALL ONLY)
- ARTHIST 311, ARTHIST 312, ARTHIST 315 AND ARTHIST 421
- SELECT 10 UNITS FROM COURSES

ARTHIST 303, ARTHIST 305, ARTHIST 310, ARTHIST 314, ARTHIST 317, ARTHIST 319, ARTHIST 420 (SPRING ONLY), ARTHIST 496

2.5 GPA UPPER-LEVEL COURSE REQUIREMENT

1. STUDENTS MUST HAVE A MINIMUM 2.5 G.P.A. IN UPPER LEVEL MAJOR COURSES.

MAJOR - UNIQUE REQUIREMENT - 16 UNITS

1. SELECT 16 FOREIGN LANGUAGE UNITS FROM FRENCH, GERMAN, PORTUGUESE, SPANISH RLS

UNITS OUTSIDE THE FIRST MAJOR - 70 UNITS

1. SELECT A MINIMUM 70 UNITS FROM OUTSIDE THE 1ST MAJOR (ART HISTORY) RLS

WRITING PROFICIENCY - 3 UNITS

1. ENGLISH 370 OR ENGLISH 274 OR ENGLISH 372 (OR APPROVED SUBSTITUTE INCLUDING PHILSPHY 271) RLS

AN APPROVED MINOR IS REQUIRED FOR THIS MAJOR

FINE ARTS EMPHASIS (BFA)

MAJOR - 78 UNITS

1. ARTSTDIO 102, ARTSTDIO 103, ARTSTDIO 201, ARTSTDIO 202, ARTHIST 201 AND ARTHIST 202
2. ARTSTDIO 303, ARTSTDIO 311, ARTSTDIO 321, ARTSTDIO 341, ARTHIST 318 (FALL ONLY) AND ARTHIST 420 (SPRING ONLY)
3. SELECT 1 COURSE FROM THE FOLLOWING:
ARTSTDIO 331 OR ARTSTDIO 332 OR ARTSTDIO 333 OR ARTSTDIO 334 OR ARTSTDIO 434
4. SELECT 15 UNIT IN AREA OF ART SPECIALIZATION IN CONSULTATION WITH ADVISER
5. SELECT 6 UNITS FROM ART HISTORY COURSES (EXCEPT ARTHIST 111)
6. SELECT A MINIMUM OF 18 UNITS FROM ART STUDIO COURSES. ELECTIVE AREAS: 9 UNITS REQUIRED IN 2-D GROUP, 9 UNITS REQUIRED IN 3-D GROUP. SEE ADVISER FOR DEPARTMENT STIPULATIONS.

DEPARTMENT G.P.A. REQUIREMENT

1. STUDENTS MUST HAVE A MINIMUM 3.00 G.P.A. IN UPPER LEVEL MAJOR COURSES.

WRITING PROFICIENCY - 3 UNITS

1. ENGLISH 370 OR ENGLISH 274 OR ENGLISH 372 (OR APPROVED SUBSTITUTE INCLUDING PHILSPHY 271) RLS

B.F.A. Stipulations: Enrollment in the B.F.A. is open to all students. Periodic progress reviews will be required:

- A. To participate in the Entry review a student must:
 1. Complete 12-15 units in studio courses, at least 6 units in 2-dimensional courses and 6 unit in 3-dimensional courses.
 2. Have a minimum 2.75 GPA in Art.
 3. Application must be made 2 weeks in advance of the review. Reviews are scheduled once each term. Students will be counseled to advance to a second review or repeat their review in a subsequent term.
- B. To participate in the Junior review:

1. Two terms must elapse after passing the first review.
2. To assure adequate development, the student must be completing a minimum of five additional studio courses since admission to the B.F.A. program.
3. A 3.00 minimum GPA in upper level Art courses is required.
4. Student must present a written statement to be posted with their works indicating the focus of interests/directions/intentions/etc. evident in the evolving work.

- C. A Senior BFA Exhibit is required for graduation. This exhibit may be scheduled one term after successfully completing both progress reviews. Tentative scheduling should be made in the Art Office at least one year in advance to assure gallery space.

FINE ARTS LICENSURE EMPHASIS (BFA)

LICENSURE - 32 UNITS

1. EDFOUND 212 OR EDFOUND 222
2. EDFOUND 243 OR EDFOUND 445
3. EDFOUND 425, SECNDED 466 AND SECNDED 423 (SECNDED 423 IS OFFERED FALL TERM ONLY)
4. CIFLD 210 AND ELEMMD 424 - BOTH TO BE TAKEN SPRING TERM BEFORE PROFESSIONAL TERM
5. STUDENT TEACHING
 - a. SELECT 6 UNITS FROM CIFLD 411
 - b. SELECT 6 UNITS FROM CIFLD 414

MAJOR - 78 UNITS

1. ARTSTDIO 102, ARTSTDIO 103, ARTSTDIO 201, ARTSTDIO 202, ARTHIST 201 AND ARTHIST 202
2. ARTSTDIO 303, ARTSTDIO 311, ARTSTDIO 321, ARTSTDIO 341, ARTHIST 318 (FALL ONLY) AND ARTHIST 420 (SPRING ONLY)
3. ARTSTDIO 251 AND ARTSTDIO 381 OR ARTSTDIO 387
4. ARTSTDIO 271
5. SELECT 1 COURSE FROM THE FOLLOWING:
ARTSTDIO 331, ARTSTDIO 332 OR ARTSTDIO 333, ARTSTDIO 434
6. SELECT 15 UNITS IN AREA OF ART SPECIALIZATION IN CONSULTATION WITH ADVISER
7. SELECT 6 UNITS FROM ART HISTORY COURSES (EXCEPT ARTHIST 111)
8. SELECT A MINIMUM OF 9 UNITS FROM ART STUDIO COURSES. SEE ADVISER FOR DEPARTMENT STIPULATIONS.

DEPARTMENT G.P.A. REQUIREMENT

1. STUDENTS MUST HAVE A MINIMUM 3.00 G.P.A. IN UPPER LEVEL MAJOR COURSES.

WRITING PROFICIENCY - 3 UNITS

1. ENGLISH 370 OR ENGLISH 274 OR ENGLISH 372 (OR APPROVED SUBSTITUTE INCLUDING PHILSPHY 271) RLS

ART GRAPHIC DESIGN EMPHASIS (BA)

MAJOR - 42 UNITS

1. ARTSTDIO 102, ARTSTDIO 103, ARTSTDIO 201, ARTSTDIO 202, ARTHIST 201 AND ARTHIST 202
2. ARTSTDIO 341 AND ARTSTDIO 321
3. ARTSTDIO 251 OR ARTSTDIO 271
4. ARTSTDIO 381, ARTSTDIO 382 AND ARTSTDIO 383
5. SELECT 6 UNITS FROM COURSES

ARTS AND COMMUNICATION

ART 69

ARTSTDIO 311, ARTSTDIO 384, ARTSTDIO 385, ARTSTDIO 387, ARTSTDIO 388, ARTSTDIO 482, ARTSTDIO 484, ARTSTDIO 485, ARTSTDIO 492, ARTSTDIO 496, OR ARTSTDIO 498

SPECED 205/721 Psychology of the Exceptional Child 3
CIGENRL 759 Art for the Exceptional Child and Adolescent 3

2.5 GPA UPPER-LEVEL COURSE REQUIREMENT

or
SPECED 759 (Or any other art education course/workshop applicable to teaching students with disabilities)
SPECFLD 492/725 Field Study—Special Education (Art Emphasis) 2-3

STUDENTS MUST HAVE A MINIMUM 2.5 G.P.A. IN UPPER LEVEL MAJOR COURSES. RLS UNITS OUTSIDE THE FIRST MAJOR - 70 UNITS

Plus 6 units from the following:
SPECED 356/556 Introduction to Mental Retardation 3
SPECED 320/520 Introduction to the Education of Young Handicapped 3
SPECED 455/655 Introduction to the Emotionally Handicapped 3
SPECED 464/664 Learning and Language Disorders 3
SPECED 466/666 Guidance of the Handicapped 3

SELECT A MINIMUM OF 70 UNITS FROM OUTSIDE THE 1ST MAJOR (ART BA) RLS

WRITING PROFICIENCY - 3 UNITS

1. ENGLISH 370 OR ENGLISH 274 OR ENGLISH 372 (OR APPROVED SUBSTITUTE INCLUDING PHILSPHY 271) RLS AN APPROVED MINOR IS REQUIRED FOR THIS MAJOR

Total: 15 units

MINOR/EMPHASES

NOTE: Some required courses are taught on an alternating schedule. Minors should see the Department Chair for projected course offerings.

ART EDUCATION (BSE)

LICENSURE - 39 UNITS

1. EDFOUND 212 OR EDFOUND 222
2. EDFOUND 243 OR EDFOUND 445
3. EDFOUND 425
4. EDFNDPRC 210
4. SECNDED 466
5. CIFLD 492 AND ELEMMD 424 - BOTH TO BE TAKEN SPRING TERM BEFORE PROFESSIONAL TERM
6. SECNDED 423 - FALL TERM ONLY
7. STUDENT TEACHING
 - a. SELECT 6 UNITS FROM CIFLD 411
 - b. SELECT 6 UNITS FROM CIFLD 414
8. SPECED 205

ART STUDIO EMPHASIS

MINOR - 24 UNITS

1. ARTSTDIO 102 OR ARTSTDIO 103 (SEE ADVISER FOR STIPULATIONS)
2. ARTHIST 201 AND ARTHIST 202
3. SELECT 9 UNITS IN ONE AREA OF SPECIALIZATION (ARTSTDIO 251, ARTSTDIO 352, ARTSTDIO 353) OR (ARTSTDIO 381, ARTSTDIO 382, ARTSTDIO 383) OR (ARTSTDIO 202, ARTSTDIO 303, ARTSTDIO 408) OR (ARTSTDIO 271, ARTSTDIO 272, ARTSTDIO 373) OR (ARTSTDIO 321, ARTSTDIO 324, ARTSTDIO 426) OR (ARTSTDIO 311) OR (ARTSTDIO 331, ARTSTDIO 332, ARTSTDIO 335, ARTSTDIO 434) OR (ARTSTDIO 341, ARTSTDIO 342, ARTSTDIO 343)
4. SELECT 6 UNITS OF ART STUDIO ELECTIVES. SEE ADVISER FOR STIPULATIONS

MAJOR - 54 UNITS

1. ARTSTDIO 102, ARTSTDIO 103, ARTSTDIO 201, ARTSTDIO 202, ARTHIST 201 AND ARTHIST 202
2. ARTSTDIO 271, ARTSTDIO 303, ARTSTDIO 341, ARTSTDIO 251, ARTSTDIO 311, ARTSTDIO 381 AND ARTSTDIO 321
3. ARTHIST 318 (FALL ONLY) AND ARTHIST 420 (SPRING ONLY)
4. SELECT 1 COURSE FROM THE FOLLOWING ARTSTDIO 331 OR ARTSTDIO 332 OR ARTSTDIO 333 OR ARTSTDIO 434/634
5. SELECT 3 ELECTIVE UNITS FROM ART HISTORY (EXCEPT ARTHIST 111)
6. SELECT 3 ELECTIVE UNITS FROM ART STUDIO

NOTE: MUST SELECT 3 UNITS FROM 2-D AREA AND 3 UNITS FROM 3-D AREA

ART (General)

MINOR - 24 UNITS

1. ARTSTDIO 102, ARTSTDIO 103, ARTSTDIO 201, ARTHIST 202, ARTSTDIO 251 AND ARTSTDIO 321
2. SELECT 3 UNITS FROM COURSES ARTSTDIO 341 OR ARTSTDIO 271
3. SELECT 3 UNITS FROM COURSE ARTSTDIO 202, ARTSTDIO 303, ARTSTDIO 311, ARTSTDIO 331, ARTSTDIO 332, ARTSTDIO 333, ARTSTDIO 381 OR ARTSTDIO 434

WRITING PROFICIENCY - 3 UNITS

1. ENGLISH 370 OR ENGLISH 274 OR ENGLISH 372 (OR APPROVED SUBSTITUTE INCLUDING PHILSPHY 271) RLS

ART HISTORY

MINOR - 21 UNITS

1. ARTHIST 201 AND ARTHIST 202
2. ARTHIST 311 OR ARTHIST 312
3. ARTHIST 313 OR ARTHIST 314
4. SELECT 6 UNITS FROM COURSES

SPECIAL ART LICENSURE TO TEACH STUDENTS WITH DISABILITIES

NOTE: This is an optional program leading to special state licensure to teach art to students with disabilities. It requires 15 units in addition to all the requirements of the B.S.E. degree in art education or the requirements for the B.A. or B.F.A. degree with K-12 licensure.

ARTHIST 315, ARTHIST 316 OR ARTHIST 318 (FALL ONLY)

5. SELECT 3 ELECTIVE UNITS FROM COURSES NOT USED ABOVE OR FROM FOLLOWING:

ARTHIST 303, ARTHIST 305, ARTHIST 308, ARTHIST 309, ARTHIST 310, ARTHIST 317, ARTHIST 319, (SPRING ONLY) ARTHIST 421 AND ARTHIST 496

MULTIMEDIA DESIGN

MINOR - 24 UNITS

1. ACINDP 150, ACINDP 151, ARTSTDIO 102
2. ARTSTDIO 387 OR ARTSTDIO 381
3. ARTMULTI 389, ARTMULTI 391
4. ARTHIST 496
5. SELECT 3 ELECTIVE UNITS FROM COURSES:
ARTSTDIO 201 OR ARTSTDIO 311 OR ARTSTDIO 388 OR ARTSTDIO 390 OR ARTMULTI 392 OR ARTHIST 202

COURSE DESCRIPTIONS

ART STUDIO COURSES

ARTSTDIO 102 2-DIMENSIONAL DESIGN GA 3 u

A problem and theory approach to the underlying structure of visual form. Through a variety of techniques, tools and materials are used to examine the basic elements, principles and concepts of visual organization for the flat surface.

ARTSTDIO 103 3-DIMENSIONAL DESIGN GA 3 u

A problem and theory approach to the underlying structure of three-dimensional form. Using a variety of techniques, tools and materials the basic elements, principles and concepts of three-dimensional design are investigated.

ARTSTDIO 121 BASIC ART GA 3 u

An introductory studio course for non-art majors and minors covering the basic concepts and materials of major visual arts.

ARTSTDIO 180 INTRODUCTION TO ADVERTISING DESIGN 3 u

An introductory course for non-art majors covering the principles, materials, procedures and applications of advertising design.

Prereq: Students may not register for ARTSTDIO 180 if previously or currently enrolled in any ARTSTDIO 300 level course or above, unless departmental approval is obtained.

ARTSTDIO 201 DRAWING I GA 3 u

An introduction to the basic concepts in drawing. This course provides a systematic exploration of the drawing methods with an emphasis on traditional approaches to line, form, composition, perspective & chiaroscuro

ARTSTDIO 202 DRAWING II 3 u

This course develops concepts & skills introduced in Drawing I. Color, alternative materials & variable formats will be explored in a problem-solving format. Emphasis is placed on strengthening content & design relationships. 2-D design experience recommended.

Prereq: ARTSTDIO 201.

ARTSTDIO 222 DESIGN FOUNDATIONS FOR THE WEB 3 u

This primarily classroom formatted course will introduce students to the elements and principles of media design and how they relate to web site and page content creation. The focus throughout is on visually and aesthetically effective site design. Topics include visual organizational principles, criteria

for aesthetic development, critical visual awareness, graphics utilizing digital imaging and web page design software, time based media, animation, audio and video, and the role of designer and programmer on the aesthetics and function of web communication.

Prereq: Restricted to non-Art majors.

ARTSTDIO 251 CERAMICS I GA 3 u

A course designed to give the student the opportunity to explore handbuilding in slab, coil and other techniques; wheel throwing will be introduced as a basic means of pottery development. Work with a variety of glazing techniques will be stressed.

ARTSTDIO 271 METAL AND JEWELRY I GA 3 u

Exploration into creating jewelry and small sculpture from brass, copper, bronze, and silver. This course is designed for both art majors and non-art majors.

ARTSTDIO 272 METAL AND JEWELRY II 3 u

Continued exploration into the creation of jewelry and small sculpture from metal. Emphasis is on conceptual and technical achievement.

Prereq: ARTSTDIO 271.

ARTSTDIO 303 DRAWING III: THE FIGURE 3 u

This course addresses the drawing of the human figure from life with an emphasis on the development of the sound technical skill and individual creative approaches.

Prereq: ARTSTDIO 202.

ARTSTDIO 311 PHOTOGRAPHY: EXPRESSION AND EXPERIMENTATION 3 u

Lectures, demonstrations, and darkroom work sessions constitute a basic introduction to photographic tools, techniques, and expression. Media: black and white prints.

ARTSTDIO 321 PAINTING I 3 u

An introduction to painting as an art form. This study is grounded in the disciplines associated with the techniques, and aesthetics of painting based in water based media.

Prereq: ARTSTDIO 102 and ARTSTDIO 201 or ARTSTDIO 202 or cons instr.

ARTSTDIO 324/524 WATERCOLOR 3 u

A studio course where exercises and experimentation with transparent watercolor pigments and techniques will be combined with art principles in the creation of watercolor paintings.

Prereq: 6 units from ARTSTDIO 102, ARTSTDIO 201, ARTSTDIO 202 or cons instr.

ARTSTDIO 331 PRINTMAKING I: INTAGLIO 3 u

An introduction to the techniques and aesthetics of printmaking. This study is grounded in the disciplines associated with the techniques of intaglio. Specifically, this includes drypoint, aquatint, and etching. In addition, alternative processes are demonstrated and applied in the study of monoprinting.

Prereq: 6 units from ARTSTDIO 102, ARTSTDIO 201, ARTSTDIO 202, or cons instr.

Fulfills printmaking requirement.

ARTSTDIO 332 PRINTMAKING I: RELIEF 3 u

Exploration of printmaking as an art form with emphasis on relief printing techniques, including single, multiple block and reduction wood-cuts and non-traditional blocks, color printing, image making and editioning.

Prereq: 6 units from ARTSTDIO 102, ARTSTDIO 201, ARTSTDIO 202 or cons instr.

Fulfills printmaking requirement.

ARTSTDIO 333 PRINTMAKING I: SCREENPRINTING 3 u

The course presents the basic materials and methods of screenprinting techniques, including ink mixing, stencil developing, image making, and

editioning.

Prereq: 6 units from ARTSTDIO 102, ARTSTDIO 201, ARTSTDIO 202 or cons instr. Fulfills printmaking requirement.

ARTSTDIO 341 SCULPTURE I 3 u

An introduction to the disciplines associated with the techniques, media and aesthetics of sculpture.

Prereq: ARTSTDIO 103.

ARTSTDIO 342 SCULPTURE II 3 u

A continuation of ARTSTDIO 341 with emphasis on individual direction. The intent is to develop a deeper understanding of art and art processes.

Prereq: ARTSTDIO 341.

ARTSTDIO 343 SCULPTURE III 3 u

Arranged for the student as indicated by the student's own interest and abilities. The student is encouraged to work toward a high degree of competency and continued growth in sculpture.

Prereq: ARTSTDIO 342.

ARTSTDIO 352 CERAMICS II 3 u

A continuation of ARTSTDIO 251 with emphasis on individual direction to develop a deeper understanding of art and art processes.

Prereq: ARTSTDIO 251.

ARTSTDIO 353 CERAMICS III 3 u

Arranged for the student as indicated by the student's own interest and abilities.

Prereq: ARTSTDIO 352.

ARTSTDIO 373 METAL AND JEWELRY III 3 u

This course emphasizes more complex construction and statements in the creation of jewelry and small sculpture from metal.

Prereq: ARTSTDIO 272.

ARTSTDIO 381 GRAPHIC DESIGN I 3 u

An introductory studio course familiarizing the student with graphic design basics: the creative process, design terminology and theory, design principles, tools and materials, 2-D layout, typography and basic computer techniques.

Prereq: ARTSTDIO 102 and ARTSTDIO 201.

ARTSTDIO 382 GRAPHIC DESIGN II 3 u

Emphasis is on conceptual and visual problems in graphic design. The student analyzes, defines objectives, develops and presents graphic solutions relating to communication in book design, magazine layout, and informational graphics.

Prereq: ARTSTDIO 381.

ARTSTDIO 383 GRAPHIC DESIGN III 3 u

Emphasis is on graphic design solutions to communication problems relating to advertising. The student analyzes, defines objectives and presents in comprehensive format solutions for advertisements, web design, letterhead, direct mail brochures and identity systems.

Prereq: ARTSTDIO 382.

ARTSTDIO 384 ILLUSTRATION 3 u

A studio course for the advanced art student in the various types and techniques of illustration, using traditional media.

Prereq: ARTSTDIO 202 and ARTSTDIO 321.

ARTSTDIO 385 ELECTRONIC ILLUSTRATION 3 u

Electronic Illustration will present techniques, concepts and practices that are part of the field of Illustration. The class will pay special attention to the development of these within the context of computer technology. A variety of imaging software will be used, including Adobe Illustrator, Photoshop, Painter.

Prereq: ARTSTDIO 387 and ARTSTDIO 202.

ARTSTDIO 387 COMPUTER GRAPHICS FOR THE ARTIST 3 u

Creation of computer generated artwork with an emphasis on photo based digital imaging techniques. Lecture content includes discussions, readings and visual presentations on contemporary usage of electronically generated art and design.

Prereq: ARTSTDIO 102 and Sophomore standing.

ARTSTDIO 388/588 KINETIC ART/MULTIMEDIA DESIGN 3 u

This course is focused on the study of kinetic art and aesthetic interdisciplinary activities using graphics, typography, computer/video visual imaging and sound synthesis. Students will create time based digital multimedia presentations, using computer animation and design/illustration software applications, digital video effects, photo/video image processing, sound recording, interactive sequence scripting, sound synthesis and video production procedures. Repeatable to six units.

Prereq: ARTSTDIO 102 and ARTSTDIO 201 and ARTSTDIO 387 or consent of instructor.

ARTSTDIO 390 DIGITAL PHOTOGRAPHY/DIGITAL IMAGING 3 u

An exploration of digital photography and electronic imaging techniques for art and design. Using both low and high-resolution filmless cameras and digital imaging techniques, students will learn the fundamentals of camera operations through photographic manipulation. Activities will include experiences in original still photography, panoramic VR photography, studio & location lighting, visual aesthetic planning, concept development, team building, special effects and professional technical production practices.

Prereq: ARTSTDIO 102 AND ARTSTDIO 381 OR ARTSTDIO 387

ARTSTDIO 408/608 ADVANCED DRAWING 3 u

A studio course which provides the opportunity for students to pursue directed intermediate and advanced research in drawing. Emphasis placed on the development of personal direction in terms of content, choice and handling of media.

Repeatable in increments of 3 units per term for a maximum of 12 units. Prereq: ARTSTDIO 303.

ARTSTDIO 426/626 ADVANCED PAINTING 3 u

A studio course which provides the opportunity for students to pursue directed intermediate and advanced research in the techniques and aesthetics of painting. Traditional oil and water based media will be introduced. Advanced students will be encouraged to explore a medium of choice.

Repeatable in increments of 3 units per term for a maximum of 12 units.

Prereq: ARTSTDIO 321.

ARTSTDIO 434 THE ART OF THE BOOK 3 u

This course will focus on the creation of hand made fine art books through the combination of applied research in traditional and non-traditional printmaking techniques and bookbinding. Graduate students will be expected to research an historical binding and create models for presentation to the class.

Prereq: ARTSTDIO 201, ARTSTDIO 102, or consent of instructor.

Fulfills printmaking requirement.

ARTSTDIO 444/644 SCULPTURE IV 3 u

Advanced studio experience in sculpture.

Prereq: 9 units in sculpture.

ARTSTDIO 445/645 SCULPTURE V: RESEARCH 3 u

A highly specialized course offering directed studio research in a specific problem related to sculpture.

Prereq: 9 units in sculpture.

- ARTSTDIO 454/654 CERAMICS IV** 3 u
Advanced studio experience in ceramics.
Prereq: ARTSTDIO 353
- ARTSTDIO 455/655 CERAMICS V: RESEARCH** 3 u
A highly specialized course offering directed studio research in a specific creative problem related to ceramics.
Prereq: ARTSTDIO 454/654
- ARTSTDIO 456/656 TECHNICAL STUDY IN CERAMICS** 3 u
Exploration of technical concerns within ceramics. Emphasis on clay composition and analysis, glaze calculation and formulation, study of ceramic minerals, kiln design, construction and operation.
Prereq: ARTSTDIO 352.
- ARTSTDIO 474/674 METAL AND JEWELRY IV** 3 u
An advanced course emphasizing design and creation of objects, both wearable and sculptural. Sophisticated technical skills will be explored with and emphasis on contemporary concepts.
Prereq: ARTSTDIO 373.
- ARTSTDIO 475/675 METAL AND JEWELRY V: RESEARCH** 3u
A highly specialized course offering directed research in a specific creative problem related to metals and jewelry. Assignments will be made that further students conceptual direction.
Prereq: ARTSTDIO 474.
- ARTSTDIO 482 ILLUSTRATION II** 3 u
Advanced course concentrating on the development of illustration skills and techniques. Emphasis placed on the development of a personal approach to conceptual and visual problem solving related to editorial, advertising and specialized fields of illustration.
Prereq: ARTSTDIO 384, ARTSTDIO 303.
- ARTSTDIO 484/684 GRAPHIC DESIGN IV: COMPUTER PROCESSES** 3 u
Emphasis is on conceptual and visual graphic design problem solving. The student studies contemporary design issues and develops strategies for design solutions. Visual image development, information design and corporate identity program design, publication planning and design development, and pre-press applications of computer technologies are many of the areas of concentration.
Prereq: ARTSTDIO 383
- ARTSTDIO 485/685 GRAPHIC DESIGN V: ADVANCED COMPUTING SOLUTIONS** 3 u
With guidance from the instructor, the student defines objectives, researches and realizes solutions for a series of designs in an area of special interest. A knowledge of advanced computing hardware and software processes is applied to realize final solutions.
Prereq: ARTSTDIO 484/684.
- ARTSTDIO 490/690 ART WORKSHOP** 1-3 u
Repeatable. Prereq: Permission of the Workshop Director.
- ARTSTDIO 491 TRAVEL STUDY** Repeatable 1-3 u
- ARTSTDIO 492 FIELD INTERNSHIP IN ART** 1-3 u
Internship involving professional experience under the supervision of selected business and/or institutional personnel within student's area of emphasis. Departmental approval required for application. May be retaken to maximum of 6 units in degree and major.
Prereq: 9 units and 3.00 GPA in area of emphasis and consent and placement by the Department and 2nd term Sophomore Standing.
- ARTSTDIO 496/696 SPECIAL STUDIES** 3-4 u
Repeatable. Prereq: Consent of instructor.
- ARTSTDIO 497 EXCHANGE STUDY** Repeatable 1-12 u
- ARTSTDIO 498 INDEPENDENT STUDIES** 1-6 u
Repeatable for a maximum of six units in major/degree. Prereq: Cons instr.
- ART HISTORY COURSES**
- ARTHIST 111 ART APPRECIATION** GA 2 u
This course is designed to relate art to the culture in which it was created, thereby giving the student the understanding necessary to see art as both a part of life and an expression of that life. Sections offering special emphasis will be identified in current timetables. For non-art majors only.
- ARTHIST 201 SURVEY OF WESTERN ART - ANCIENT TO MEDIEVAL** GA 3 u
An investigation of major works of art in painting, sculpture, architecture, and minor related arts from prehistoric times to the late middle ages. Emphasis on the relationship between art and culture. Students develop skills in artistic analysis. Slide illustrated.
- ARTHIST 202 SURVEY OF WESTERN ART - RENAISSANCE TO THE PRESENT** GA 3 u
An investigation of major works in painting, sculpture, architecture, and related arts from the late Italian Renaissance to the present. Students develop skills in artistic analysis. Slide illustrated.
- ARTHIST 305/505 HISTORY OF WOMEN IN ART** GA 3 u
A study of the contribution of women artists to the fields of architecture, painting, sculpture, printmaking and fiber from the middle ages to the present.
- ARTHIST 311/511 HISTORY OF GREEK AND ROMAN ART** GA 3 u
This course is designed to cover Greek and Roman art and architecture from pre-classical times to the late Roman Empire. Students are introduced to classical archaeology, technology, style, and iconography. Vase painting, architecture, and sculpture are emphasized in the context of the development of the classical tradition.
- ARTHIST 312/512 HISTORY OF MEDIEVAL ART** GA 3 u
The art of the Middle Ages comprises more than 1,000 years of sculpture, painting, tapestry, architecture and stained glass. In this course of a few months, we can sample only some of the arts that have profoundly shaped modern western culture, *vis.* medieval great church or cathedral. Concentration is on the Romanesque and Gothic periods. Islamic material may be included.
- ARTHIST 313/513 HISTORY OF ITALIAN RENAISSANCE ART** GA 3 u
A course designed to trace the development of architecture, painting and sculpture from the early fifteenth century through the sixteenth century in Italy. Emphasis is on the revival of interest in classical traditions and the combination of classical ideals and forms with contemporary artistic themes.
- ARTHIST 314/514 HISTORY OF NORTHERN RENAISSANCE ART** GA 3 u
This course is designed to study in depth the unique development of Renaissance art outside Italy, specifically in the Lowlands, France, Germany and Spain during the fifteenth and sixteenth centuries.
- ARTHIST 315/515 HISTORY OF BAROQUE ART** GA 3 u
An art lecture course covering the leading work in painting, sculpture and architecture in Italy, France, Spain, Germany and The Netherlands from the Mannerist period to 1800. Slide illustrated.

ARTHIST 316/516 HISTORY OF NINETEENTH CENTURY ART GA 3 u

A slide illustrated lecture course examining major social, scientific and technical factors affecting stylistic progressions in painting, photography, architecture and sculpture during the nineteenth century. European art movements will be the principal concern of the course.

ARTHIST 317/517 HISTORY OF MODERN ARCHITECTURE GA 3 u

The major emphasis of this course is the development of the experimental nature of contemporary architectural forms. The student will study this trend from the early engineering solutions of mid-nineteenth century to the complex social and technological solutions of today.

ARTHIST 318/518 HISTORY OF 20TH CENTURY ART TO 1945 GA 3 u

An investigation of the complex visual imagery generated by the social milieu from 1900 to 1945. Emphasis will be on origins, stylistic progressions, and experimental approaches with implications for today's movements. Offered fall term only.

ARTHIST 319/519 CONCEPTS IN ART SINCE 1945 GA 3 u

A course designed to study the complex developments in art since 1945. Emphasis will be placed on experimental concepts, their evolution and their manifestations in today's society.

ARTHIST 320 3 u

This is a lecture course that covers the History of Graphic Design from the invention of writing through the digital revolution. Topics include such areas as Postmodern Design, Multicultural Design, Corporate Design Systems. Prereq: GENED 110

ARTHIST 420 ART THEORY 3 u

An advanced course dealing with the theoretical concerns of the visual arts. The course treats art in its relation to current philosophical thought, and also discusses aesthetics and the nature of art. For Art Department majors and minors. Offered spring term only. Prereq: ARTHIST 318 and sr st.

ARTHIST 421 ART HISTORY: RESEARCH 2-3 u

A highly specialized course offering directed research in a specific area of art history. The course content is to be determined by the student and the instructor.

Prereq: 9 units in art history and consent of instructor.

ARTHIST 491/691 TRAVEL STUDY Repeatable 1-3 u**ARTHIST 497 EXCHANGE STUDY** Repeatable 1-12 u**ARTHIST 496/696 SPECIAL STUDIES IN ART HISTORY** 1-3 u

Repeatable. Prereq: To be announced at the time the course is offered.

ARTHIST 498 INDEPENDENT STUDY 1-6 u

Repeatable for a maximum of 6 units in major/degree. Prereq: Consent of instructor.

ART MULTIMEDIA COURSES**ARTMULTI 389 MULTIMEDIA DESIGN - WEBSITE DESIGN** 3 u

This course provides instruction in the development and creation of web sites from an art and design perspective, understanding its impact on communication. The importance of visual language will be stressed, and its integration with sound, movement, and interactive navigational devices. Instruction in the fundamental structural principles of web design will be an underpinning for all information. Software instruction may include

Dreamweaver, Flash, ImageReady, Sound Edit Pro. Prereq: ARTSTDIO 102 and ARTSTDIO 387 or ARTSTDIO 381

ARTMULTI 391 MULTIMEDIA DESIGN 2 TIME-BASED HD DESIGN 3 u

This intermediate level media design studio course expands students understanding and technical skills in art and design towards creating artistic time based, 4/D, HD original content using DV and sound effects strategies. Aesthetically important digital skills will be further developed and students will learn to design artistic solutions through practical and experimental 4/D multimedia creations techniques. Special attention is given to advancing personal expression, artistic exploration, original multimedia design an skill building. Practical 4/D application of original artwork, photo imaging, digital video compositing and sound effects in the field of art, graphic design, art performance and multimedia design in web and non-web delivery media will be addressed.

Prereq: ARTSTDIO 102 and ARTSTDIO 387 or ARTSTDIO 381
Coreq: ACINDP 150 or ACINDP 151

ARTMULTI 392 INTERACTIVE MULTIMEDIA DESIGN 3u

Interactive Multimedia Design is an advanced studio based course and applies principles of visual communication and aesthetic theory to the design of interactive multimedia projects. Emphasis will be placed on original content creation, sequential page design theory and visual interface design with user centered needs and objectives as relevant guides for aesthetic approach and organizational solutions. Interactive products produced by students will be artistic, informational, promotional and persuasive and will involve page interface design and planning, original content creation and integration of animated text and graphics, digital video and sound effects.

Prereq: ARTSTDIO 102 and ARTSTDIO 387 or ARTSTDIO 381

DEPARTMENT OF COMMUNICATION

Journalism
Speech

Phone: 262-472-1034 E-Mail: communicatn@uwm.edu

Faculty: Cynthia Baker, Raymond Baus, Bill Cassidy, Leo Chan, Norma Coates, Peter Conover, Deb Dysart-Gale, Jeanine Fassl, Richard Haven, Jeff Herriott, Kim Hixson, M. William Johnson, Ann Knabe, William Lowell, John Luecke, Sam Martino, Virgil Miller, Barbara Monfils, Pete Smudde, John Stone, Wilfred Tremblay, Sally Vogl-Bauer (Chairperson), William Weiss, S. A. Welch, Lynn Wellman, Susan Wildermuth.

JOURNALISM

The journalism program is geared to today's journalism, preparing graduates to work in the many modern communication media as reporters, editors, news photographers, advertising representatives, radio and television news personnel, or in public relations. As a journalist you can be where events are happening, communicating information on important issues and current events. How well you do your job will depend on a number of factors; a strong educational background is perhaps the most important.

A 2.00 cumulative GPA is required to declare the Journalism major. A minimum 2.25 GPA is required in the major for graduation. The major GPA is based upon both the grades for courses completed at UW-W and those for courses accepted in transfer. Transfer students need a transfer 2.00 GPA to declare the major.

The journalism program offers majors and minors in the College of Arts and Communication for students wishing to enter some phase of professional journalism. Both programs are grounded strongly in liberal arts courses.

MAJOR/EMPHASES

INTERNATIONAL JOURNALISM EMPHASIS (BA/BS)

MAJOR - 34 UNITS

1. SPEECH 131, JOURNLSM 243, JOURNLSM 244, SPEECH 424
2. JOURNLSM 493, JOURNLSM 246, JOURNLSM 420, JOURNLSM 491

COMPLETION OF DEAKIN COURSES (12 UNITS): COMPARATIVE JOURNALISM STUDIES, RESEARCH INTO AUSTRALIAN JOURNALISM, COMMUNICATION/JOURNALISM ELECTIVES IN AUSTRALIA, RESEARCH FOR WRITERS, EDITING AND DESIGN, BROADCAST JOURNALISM RADIO, BROADCAST JOURNALISM TELEVISION, INTERNSHIP - TAKEN IN AUSTRALIA

JOURNALISM ADVERTISING EMPHASIS (BA/BS)

MAJOR - 36 UNITS

1. JOURNLSM 243
2. JOURNLSM 430 OR JOURNLSM 431
3. JOURNLSM 220, JOURNLSM 320, JOURNLSM 322, JOURNLSM 423, MARKETNG 311
4. SELECT 15 UNITS FROM THE FOLLOWING GROUPS. AT LEAST SIX UNITS MUST BE SELECTED FROM GROUP ONE. AT LEAST THREE UNITS MUST BE SELECTED FROM GROUP TWO.

GRP 1: ARTSTDIO 180, JOURNLSM 241, JOURNLSM 420, JOURNLSM 493A

GRP 2: JOURNLSM 305, JOURNLSM 485, SPEECH 345, SPEECH 422, SPEECH 424

GRP 3: ACINDP 150 OR ACINDP 151, 180, ARTSTDIO 381, ARTSTDIO 387, ENGLISH 274, JOURNLSM 270, JOURNLSM 271, JOURNLSM 310, JOURNLSM 350, JOURNLSM 360, JOURNLSM 491 (WITH ADVISER APPROVAL), JOURNLSM 496 (WITH ADVISER APPROVAL), MARKETNG 350, MARKETNG 420, MARKETNG 429, MARKETNG 432, MARKETNG 444, SPEECH 202, SPEECH 330, SPEECH 335, SPEECH 440

A GPA OF AT LEAST 2.0 IS REQUIRED TO DECLARE THIS MAJOR

A GPA OF AT LEAST 2.25 (WITHIN THE MAJOR) IS REQUIRED TO GRADUATE

AN APPROVED MINOR IS REQUIRED FOR THIS MAJOR

JOURNALISM BROADCAST EMPHASIS (BA/BS)

MAJOR - 37 UNITS

1. JOURNLSM 243
 2. JOURNLSM 430 OR JOURNLSM 431
 3. SPEECH 234 OR SPEECH 240
 4. JOURNLSM 244, JOURNLSM 246, JOURNLSM 322, JOURNLSM 341, JOURNLSM 406, JOURNLSM 420, SPEECH 232
 5. SPEECH 238 OR SPEECH 239
 6. SELECT 6 UNITS FROM COURSES IN GROUPS ONE AND TWO. AT LEAST 3 UNITS MUST BE SELECTED FROM GROUP ONE.
- GRP 1: JOURNLSM 305, JOURNLSM 485, SPEECH 422, SPEECH 424
- GRP 2: ACINDP 150 OR ACINDP 151, JOURNLSM 270, JOURNLSM 304, JOURNLSM 496 (WITH ADVISER APPROVAL), SPEECH 234, SPEECH 238, SPEECH 239, SPEECH 240, SPEECH 320, SPEECH 330, SPEECH 333, SPEECH 335, SPEECH 434, SPEECH 440, SPEECH 493E

A GPA OF AT LEAST 2.0 IS REQUIRED TO DECLARE THIS MAJOR

A GPA OF AT LEAST 2.25 (WITHIN THE MAJOR) IS REQUIRED TO GRADUATE

AN APPROVED MINOR IS REQUIRED FOR THIS MAJOR

JOURNALISM PRINT EMPHASIS (BA/BS)

MAJOR - 36 UNITS

1. JOURNLSM 243
 2. JOURNLSM 430 OR JOURNLSM 431
 3. JOURNLSM 210, JOURNLSM 244, JOURNLSM 245, JOURNLSM 248, JOURNLSM 305, JOURNLSM 406, JOURNLSM 420
 4. SELECT 9 UNITS FROM COURSES IN GROUPS ONE AND TWO. AT LEAST 3 UNITS MUST BE SELECTED FROM GROUP ONE.
- GRP 1: JOURNLSM 305, JOURNLSM 485, SPEECH 422, SPEECH 424
- GRP 2: ACINDP 150 OR ACINDP 151, JOURNLSM 246, JOURNLSM 251 (1-3 UNITS), JOURNLSM 270, JOURNLSM 304, JOURNLSM 310, JOURNLSM 350, JOURNLSM 360, JOURNLSM 491 (WITH ADVISER APPROVAL), JOURNLSM 493G, JOURNLSM 496 (WITH ADVISER APPROVAL), SPEECH 440

A GPA OF AT LEAST 2.0 IS REQUIRED TO DECLARE THIS MAJOR

A GPA OF AT LEAST 2.25 (WITHIN THE MAJOR) IS REQUIRED TO GRADUATE

AN APPROVED MINOR IS REQUIRED FOR THIS MAJOR

Suggested minors. Depending on career choice, select a minor from the following fields: economics, political science, sociology, history, geography, a foreign language, English (writing emphasis), a science, coaching, marketing, art, music, theatre, advertising, or public relations.

Students majoring in journalism education are advised to select a minor from the following fields: political science, a foreign language, geography, history, English, speech, economics, sociology, a science, art or music. As many electives from these areas as possible will help the student attain a broad educational background.

MINOR**ADVERTISING**

MINOR - 24 UNITS

1. JOURNLSM 220, JOURNLSM 243, JOURNLSM 320 AND JOURNLSM 423
 2. SELECT 12 UNITS FROM AT LEAST TWO OF THE FOLLOWING GROUPS. NO MORE THAN NINE UNITS MAY BE SELECTED FROM ANY ONE GROUP
- GRP 1: JOURNLSM 241, JOURNLSM 305, JOURNLSM 322, JOURNLSM 420, JOURNLSM 430, JOURNLSM 431, JOURNLSM 485, JOURNLSM 491, JOURNLSM 493A
- GRP 2: ACINDP 150 OR ACINDP 151, JOURNLSM 270, JOURNLSM 271, JOURNLSM 350, JOURNLSM 352
- GRP 3: ARTSTDIO 180, ARTSTDIO 381, ARTSTDIO 387
- GRP 4: SPEECH 202, SPEECH 330, SPEECH 335, SPEECH 345, SPEECH 422, SPEECH 424, SPEECH 440

GRP 5: MARKETNG 311, MARKETNG 345, MARKETNG 350, MARKETNG 420, MARKETNG 429, MARKETNG 432, MARKETNG 451

GPA OF 2.25 (WITHIN THE MINOR) REQUIRED TO GRADUATE

JOURNALISM

MINOR - 24 UNITS

1. JOURNLSM 210, JOURNLSM 243, JOURNLSM 244, JOURNLSM 245, JOURNLSM 248
2. SELECT 9 UNITS FROM THE FOLLOWING GROUPS. AT LEAST 3 OF THE UNITS MUST BE SELECTED FROM GROUP 1.

GRP 1: JOURNLSM 305, JOURNLSM 430, JOURNLSM 431

GRP 2: JOURNLSM 246, JOURNLSM 303, JOURNLSM 304, JOURNLSM 310, JOURNLSM 350, JOURNLSM 406, JOURNLSM 251, JOURNLSM 491 (WITH ADVISER APPROVAL), JOURNLSM 493G

GPA OF 2.25 (WITHIN THE MINOR) REQUIRED TO GRADUATE

MULTIMEDIA

MINOR - 24 UNITS

1. ACINDP 150, ACINDP 151, (JOURNLSM 270 OR SPEECH 270), AND (JOURNLSM 271 OR SPEECH 271)
2. 6 UNITS FROM: (JOURNLSM 352 OR SPEECH 352), (JOURNLSM 350 OR SPEECH 350), OR (SPEECH 238 OR SPEECH 239)
3. 3 UNITS FROM: JOURNLSM 420, JOURNLSM 431, SPEECH 431 OR SPEECH 440
4. 3 UNITS FROM: SPEECH 345, SPEECH 422, OR SPEECH 424

COURSE DESCRIPTIONS

JOURNLSM 210 FOUNDATIONS OF PRINT JOURNALISM 3 u

An in-depth survey of the development of the print media industry in America. Its social and historical impact is examined along with its legal foundations.

JOURNLSM 220 FOUNDATIONS OF ADVERTISING 3 u

A survey of advertising and its role as an institution in society, both as a marketing tool and as a communication process.

JOURNLSM 241 ELECTRONIC MEDIA COPYWRITING 3 u

The course is designed as an introduction to the theory and practice of writing for the electronic media, principally radio and television. The course will provide intensive practice through writing assignments of commercial copy, program continuity copy, and public service announcements for radio and television. There will also be practice in the development and organization of various program types including talk, interview, discussion, news, and documentary programs.

Unreq: SPEECH 241.

JOURNLSM 243 MASS MEDIA WRITING 3 u

Introduction to writing in the styles appropriate to various mass media. Includes a review of writing fundamentals. An emphasis is placed on selecting, organizing and structuring information. Practice in factual and strategic writing in print and electronic journalism and advertising is included.

Prereq: Ability to type.

JOURNLSM 244 NEWS GATHERING 3 u

The treatment of community events. Students cover city council and school board meetings; perfect interview techniques and generally go beyond the classroom to write the news story.

Prereq: JOURNLSM 243 and JOURNLSM 210 or SPEECH 232.

JOURNLSM 245 PUBLICATION EDITING 3 u

The course covers the proper use of language, spelling, punctuation and accepted writing style in news stories. It concentrates on use of the Associate Press Stylebook to check capitalization, abbreviations, numerals, and titles. Grammar fundamentals, sentence structure and news format are covered.

Prereq: JOURNLSM 244 or SPEECH 203.

JOURNLSM 246 ELECTRONIC MEDIA NEWSWRITING AND PRODUCTION 3 u

Development of the skills of broadcast news gathering, writing, and editing.

Prereq: JOURNLSM/SPEECH 241 or JOURNLSM 243 or SPEECH 203. Unreq: SPEECH 246.

JOURNLSM 248 PUBLICATION LAYOUT 3 u

This course is a study of newspaper, magazine and on-line production that integrates working with text with layout and technological considerations. Building on the editing, writing of headlines and cutlines, proofreading and considering of newsworthiness practiced in Copy Editing, the course integrates these skills with selection and placement of graphic elements, proofreading page layout, selection and placement of stories, editorial responsibilities and basics of print media production, including newspapers, magazines, newsletters and online services. This is a lecture/demonstration/laboratory course in which information is presented for students to apply in practical situations.

Prereq: JOURNLSM 244 or SPEECH 203

JOURNLSM 251 SCHOOL PUBLICATIONS 1 u

A laboratory journalism course in which the student elects to work on the University newspaper or photo staff. A student may earn 1 unit for each term of work and a maximum of 3 units toward graduation.

JOURNLSM 270 MULTIMEDIA PRODUCTION I: COMMUNICATION AND WEB DEVELOPMENT 3 u

This course provides a critical and practical overview of web development as a communication tool. Students will study the function of websites, critically evaluate websites, and create websites to serve as communication vehicles. Special attention is paid to learning web development software. The goal of this class is to train the student in a set of technical skills and to teach the student to learn how new media (such as websites) can be used to communicate. This course ties theory to practice so students must learn a certain amount of technology. In addition to developing competency in the technology, students will also solve communication problems using the creative tools offered by multimedia.

Coreq: ACINDP 151

JOURNLSM 271 MULTIMEDIA PRODUCTION II: COMMUNICATION AND LOCAL MEDIA 3u

This course provides the opportunity for students to develop practical and critical skills in the production of multimedia in non-web or "local" environments to advance and enhance communication tasks within an organization. Special attention is paid to using digital images, motion graphics, digital video, and digital audio in the production of CD-ROMs, videodiscs, DVDs and other display media.

Prereq: SPEECH/JOURNLSM 270 Coreq: ACINDP 150

JOURNLSM 303 FEATURE WRITING 3 u

A study of feature writing and editorial writing and their roles in print publications. Experience in writing feature articles and opinion pieces.

Prereq: JOURNLSM 243 or SPEECH 203

- JOURNLSM 304 SPORTS JOURNALISM** 3 u
Methods, techniques and writing styles of past and present sports reporters, to emphasize sports writing and to focus some concern for the social and political issues that affect sports and sports coverage.
Prereq: JOURNLSM 243 or cons instr.
- JOURNLSM 305/505 HISTORY OF MASS COMMUNICATION** 3 u
An overview of the origin, development, strengths and weaknesses, and achievements of mass communication in the United States, with particular attention to the interrelationship between mass communication and society.
Unreq: SPEECH 305/505.
- JOURNLSM 310 PUBLICATION PHOTOGRAPHY** 3 u
Study of photography in which students concentrate on producing pictures suitable for publication in newspapers, magazines and on-line publications.
- JOURNLSM 320 ADVERTISING COPYWRITING AND LAYOUT** 3 u
The preparation of advertising copy with attention to its functions and values.
Prereq: JOURNLSM 220 and JOURNLSM 243
- JOURNLSM 322 ADVERTISING MEDIA PLANNING AND BUYING** 3 u
This course provides an overview of the development of advertising media objectives and strategies. It examines the characteristics of the various media and the principles of media scheduling and buying. Students will learn how to evaluate media for the purpose of selecting the media and media vehicles that will most effectively deliver advertising messages to the target audience. Students will receive instruction in effective media planning and buying and will be able to practice putting media plans into action. This course examines the media of advertising and emphasizes development of advertising media objectives and strategies and provides practice in implementing those strategies.
Prereq: JOURNLSM 220
- JOURNLSM 332 PRACTICUM IN TELEVISION NEWS** 1-3 u
The core of the class will be the planning and execution of regularly scheduled live television news programs that will be produced in the studio of Cable 6. The instructor of the class will guide the students in that activity. Students in the course will each have a specific role to play in the production, and the number of units earned will depend on each student's specialization. Each student's role will be assigned by the instructor according to experience and courses completed. Typically, students who have taken courses in Newswriting and Broadcast Newswriting and Production will be reporters, editors or assignment editors. Students who have completed the announcing course will serve as announcers. Others who have taken courses in television production will serve as photojournalists and video editors. Each week the newscasts will be critiqued at a joint session in which all students participate.
Prereq: JOURNLSM/SPEECH 246 or JOURNLSM/SPEECH 241 or SPEECH 234 or SPEECH 338. Unreq: SPEECH 332.
- JOURNLSM 341 TELEVISION NEWS REPORTING AND PRODUCTION** 3 u
Television News Reporting and Production is a course in the theory and practice of reporting and practice of reporting, photographing, writing, editing and presenting television news. Students will also enroll concurrently in Practicum in Television News (SPEECH/JOURNLSM 332) for one unit.
Prereq: JOURNLSM 244 or JOURNLSM/SPEECH 241 or JOURNLSM/SPEECH 246 and SPEECH 238 or consent of instructor.
Coreq: JOURNLSM/SPEECH 332

- JOURNLSM 350 WRITING FOR MULTIMEDIA** 3u
This course examines the stylistic and format considerations involved in the preparation of multimedia scripts and related documents such as flowcharts, treatments, proposals and other design documents. Scripting and flowcharting software is also introduced. Students will prepare treatments, proposals and scripts for both non-narrative and narrative forms of multimedia. Students will also critically examine the writing quality of various multimedia programs.
Coreq: ACINDP 150
- JOURNLSM 352 INTERACTIVE COMMUNICATION AND ADVANCED MULTIMEDIA PRODUCTION** 3 u
Interactive Communication and Advanced Multimedia Production is a course in which students apply principles of communication theory to the production of interactive multimedia projects. Students will produce multimedia projects for on- and off-campus clients. Emphasis is placed on understanding the role of the production team in multimedia production and advanced applications of multimedia software.
Prereq: SPEECH/JOURNLSM 271
- JOURNLSM 360/560 MEDIA OPERATIONS AND MANAGEMENT** 3 u
An overview and examination of the basic operations of newspaper, radio, television, magazine, advertising/public relations agency and new information technologies: organization and equipment, company and manager responsibilities, market analysis and product planning, distribution and pricing, social responsibilities, production and service, financial and legal questions, and public and employee relations.
Prereq: SPEECH 131 or SPEECH 232 or SPEECH 202 or JOURNLSM 210 or JOURNLSM 220 and junior standing.
Unreq: SPEECH 360/560
- JOURNLSM 406/606 REPORTING PUBLIC AFFAIRS** 3 u
Advanced work in reporting with emphasis on news related to crime and the courts, government and politics, business, finance and labor. Includes study of the courts, legislative procedures and business.
Prereq: JOURNLSM 244.
- JOURNLSM 420/620 LAW OF MASS COMMUNICATION** 3 u
Study of law as applied to the mass media with particular emphasis on freedom of information, libel, privacy, contempt, commercial speech, regulation of electronic media and copyright regulation.
Prereq: JOURNLSM 210 or JOURNLSM 220 or SPEECH 131 or SPEECH 232.
- JOURNLSM 423 ADVERTISING CAMPAIGNS** 3 u
Sales problems in advertising; the planning and execution of an advertising campaign; choice of advertising media; market and consumer research; a study of advertising as an institution and its role in communications, society, our economy and business.
Prereq: JOURNLSM 320.
- JOURNLSM 430/630 COMMUNICATION AND PUBLIC OPINION** 3 u
The role of the mass media of communication in the formation of public opinion. Use of social science techniques for studying public opinion will be examined.
Prereq: JOURNLSM 210 or JOURNLSM 220 or SPEECH 232 or any course in Political Science or Sociology and jr st or cons instr.
- JOURNLSM 431/631 MASS COMMUNICATION IN SOCIETY** 3 u
A course which examines the functions and effects of mass media in our society. Theoretical bases for assessing social, behavioral and cultural influences are emphasized.
Prereq: SPEECH 131 or SPEECH 202 or SPEECH 232 or JOURNLSM 210 or JOURNLSM 220. Unreq: SPEECH 431/631.

JOURNLSM 485/685 COMMUNICATION RESEARCH METHODS 3 u

An advanced-level undergraduate and graduate survey of methodologies and issues relevant to the practice of communication research.

Prereq: Junior/senior standing. Unreq: SPEECH 485/685.

JOURNLSM 490/690 WORKSHOP Repeatable 1-4 u**JOURNLSM 491 TRAVEL STUDY Repeatable 1-3 u****JOURNLSM 493A INTERNSHIP IN ADVERTISING 1-6 u**

Professional experience in which the student who aspires to a career in advertising works for an approved internship setting in advertising. (A maximum of three units of Internship may be applied toward an advertising major; a maximum of two units may be applied toward an advertising minor.)

Prereq: JOURNLSM 220, JOURNLSM 320 or JOURNLSM 322, 3.0 GPA in the prerequisite courses and/or consent of the instructor.

JOURNLSM 493G INTERNSHIP IN JOURNALISM 1-6 u

Professional experience in which the student who aspires to a career in journalism works for an approved internship setting in broadcasting, on-line, or print journalism. (A maximum of three units of Internship may be applied toward a Journalism major; a maximum of two units may be applied toward a Journalism minor.)

Prereq: JOURNLSM 243, JOURNLSM 244, plus cons instr.

JOURNLSM 494/694 SEMINAR 1-4 u

Repeatable. Prereq: Consent of instructor.

JOURNLSM 497 EXCHANGE STUDY Repeatable 1-12 u**JOURNLSM 496/696 SPECIAL STUDIES 1-4 u**

Repeatable. Prereq: Consent of instructor.

JOURNLSM 498 INDEPENDENT STUDY 1-3 u

Repeatable. Prereq: Jr st and cons of staff.

SPEECH

Speech communication focuses upon how, why, and with what effects people communicate through verbal and nonverbal messages. Students of speech communication develop understanding and skill in communication processes as they occur within and among individuals, groups, organizations, and cultures. Graduates are active in sales, public relations, advertising, customer relations, personnel, broadcasting, filmmaking, high school and college teaching, volunteer agencies and fund raising, law and communication and consultation in business, industry, and government. Speech communication graduates can enter a variety of careers because the competencies they acquire have broad application.

MAJOR/EMPHASES

A 2.00 cumulative GPA is required to declare the Speech major. A minimum 2.25 GPA is required in the major for graduation. The major GPA is based upon both the grades for courses completed at UW-W and those for courses accepted in transfer. Transfer students need a transfer 2.00 GPA to declare the major.

All students are required to fulfill a writing requirement prior to graduation. Each emphasis in the Department of Communication specifies how that requirement will be met. Details on fulfilling the writing requirement are available in the department office.

Applied activities in speech communication. Unit for activities may be earned in radio (SPEECH 230) or Cable TV (SPEECH 231, SPEECH 331). A maximum of 6 units thus earned will count toward the 120 units necessary for graduation. Four of the 6 units from speech communication

activities may count toward the 36 or 37 units necessary for the major. Two units may count toward the 22 unit minors in elementary and secondary education (see the activities specified in the requirements for the minor). Activity units may not be substituted for any required courses.

SPEECH PUBLIC RELATIONS EMPHASIS (BA/BS)

MAJOR - 36 UNITS

1. SPEECH 202, SPEECH 203, SPEECH 204, SPEECH 302 AND SPEECH 402
2. SPEECH 345 AND SPEECH 424
3. SELECT 9 UNITS FROM:
JOURNLSM 220, JOURNLSM/SPEECH 241, JOURNLSM 303, JOURNLSM 310, JOURNLSM 320, JOURNLSM 360, SPEECH 303, SPEECH 240, SPEECH 238, SPEECH 330, SPEECH 340, SPEECH 493I

Note: Other techniques-oriented courses, 200 level or above, may be substituted for these electives with the approval of the student's advisor.

4. SELECT 6 UNITS FROM:
JOURNLSM 420, JOURNLSM 430, SPEECH 325, SPEECH 326, SPEECH 327, SPEECH 328, SPEECH 420, SPEECH 422, SPEECH 431, SPEECH 485, SPEECH 498 (No more than two units/term can be applied to the major.)

Note: Other theory-oriented courses, 300 level or above, may be substituted for these electives with the approval of the student's advisor.

AN APPROVED MINOR IS REQUIRED FOR THIS MAJOR

SPEECH ELECTRONIC MEDIA EMPHASIS (BA/BS)

MAJOR - 37 UNITS

1. SPEECH 232, SPEECH 239, SPEECH 238 and SPEECH 487
2. SELECT 9 UNITS FROM ELECTRONIC MEDIA APPLICATION COURSES
SPEECH 230, SPEECH 231, SPEECH 320, SPEECH 331, SPEECH 332, SPEECH 335, SPEECH 493E OR JOURNLSM 246
3. SELECT 6 UNITS FROM ORAL COMMUNICATION COURSES
SPEECH 234, SPEECH 240 OR SPEECH 242
4. SELECT 6 UNITS FROM MASS COMMUNICATION THEORY/INDUSTRY AND CINEMA COURSES
(SPEECH 236 OR SPEECH 339), SPEECH 305, SPEECH 333, SPEECH 431, SPEECH 434, SPEECH 494 OR JOURNLSM 420
5. SELECT 6 UNITS FROM COMMUNICATION THEORY/APPLIED THEORY COURSES
SPEECH 228, SPEECH 321, SPEECH 325, SPEECH 327, SPEECH 345, SPEECH 420, SPEECH 422, SPEECH 424 OR SPEECH 485
6. 12 UNITS MUST BE TAKEN AT 300 AND 400 LEVEL. A MAXIMUM OF 5 PRACTICUM UNITS MAY COUNT IN THE MAJOR. THE WRITING REQUIREMENT MAY BE COMPLETED IN SPEECH 305, SPEECH 333, SPEECH 339, SPEECH 431 OR SPEECH 485.

AN APPROVED MINOR IS REQUIRED FOR THIS MAJOR

SPEECH ORGANIZATIONAL COMMUNICATION EMPHASIS (BA/BS)

MAJOR - 36 UNITS

1. SPEECH 242
2. SPEECH 420
3. SPEECH 422

4. SPEECH 424
 5. SPEECH 485
 - 6.. SPEECH 244
 7. SPEECH 327
 8. SPEECH 429
 9. SPEECH 489
 10. SELECT 9 UNITS FROM SPEECH COURSES:
3 OF THE 9 UNITS MUST BE AT THE 200 LEVEL OR ABOVE; 6 OF THE 9 UNITS MUST BE AT THE 300 LEVEL OR ABOVE
- AN APPROVED MINOR IS REQUIRED FOR THIS MAJOR

SPEECH INTERPERSONAL COMMUNICATION (BA/BS)

MAJOR - 36 UNITS

1. SPEECH 228, SPEECH 368
2. SPEECH 422, SPEECH 485, SPEECH 424
3. SPEECH 240, SPEECH 242, SPEECH 321, SPEECH 325, SPEECH 326
4. SELECT ONE OF THE COGNATE AREAS:
 - A. COGNATE AREA 1
 1. SPEECH 345, SPEECH 460
 2. SELECT 2 COURSES FROM:
SPEECH 325, SPEECH 328, SPEECH 344, SPEECH 445
 - B. COGNATE AREA 2
 1. SPEECH 363, SPEECH 463
 2. SELECT 2 COURSES FROM:
SPEECH 242, SPEECH 326, SPEECH 328, SPEECH 420

Required GPA of 2.0 to declare the major.

MINOR/EMPHASES

SPEECH 110 will not count toward the minor. Activity units (SPEECH 230, SPEECH 231, SPEECH 331 and JOURNLISM 251, SPEECH 254) will not count toward the minor in liberal arts.

SPEECH

MINOR - 24 UNITS

1. SPEECH 325 AND SPEECH 359
2. SELECT 18 ELECTIVE UNITS IN SPEECH WITH
A SPEECH COMMUNICATION ADVISER (EXCEPT SPEECH 110). 9 UNITS MUST BE AT THE 300 OR 400 LEVEL.

SPEECH PUBLIC RELATIONS EMPHASIS

MINOR - 24 UNITS

1. SPEECH 202, SPEECH 203, SPEECH 204, SPEECH 302 AND SPEECH 402
2. SPEECH 345 AND SPEECH 424
3. 1 ELECTIVE UNIT FROM COURSES:
JOURNLISM 220, JOURNLISM/SPEECH 241, JOURNLISM 303, JOURNLISM 310, JOURNLISM 320, JOURNLISM 360, JOURNLISM 420, JOURNLISM 430, SPEECH 238, SPEECH 240, SPEECH 303, SPEECH 326, SPEECH 327, SPEECH 328, SPEECH 330, SPEECH 340, SPEECH 352, SPEECH 422, SPEECH 493P, SPEECH 498 (No more than two units can be applied to the minor.)

SPEECH ELEMENTARY EMPHASIS

MINOR - 22 UNITS

1. COMDIS 270, COMDIS 380, SPEECH 356 AND SPEECH 420
 2. THEATRE 325
 3. 8 ELECTIVE UNITS IN SPEECH, EXCEPT SPEECH 110, SELECTED WITH A SPEECH COMMUNICATION ADVISER
- A MAXIMUM OF 2 UNITS OF SPEECH ACTIVITIES (SPEECH 230, SPEECH 231 AND SPEECH 331) MAY BE APPLIED TO THE MINOR

SPEECH SECONDARY EMPHASIS

MINOR - 24 UNITS

1. SPEECH 131
2. SPEECH 240 AND SPEECH 242
3. SPEECH 321 AND SPEECH 325
4. SPEECH 420
5. SPEECH 344 OR SPEECH 345
6. SELECT 3 ELECTIVE UNITS FROM SPEECH (EXCEPT SPEECH 110) WITH SPEECH ADVISER
7. A MAXIMUM OF 2 UNITS OF SPEECH ACTIVITIES (SPEECH 230, SPEECH 231 AND SPEECH 331) MAY BE APPLIED TO THE MINOR.

COURSE DESCRIPTIONS

SPEECH 110 FUNDAMENTALS OF SPEECH *Proficiency* 3 u

A basic course designed to help students increase their effectiveness in public speaking and interpersonal communication through learning current theory and developing skills through actual classroom experiences. A beginning course in principles of oral communication designed to develop confidence and precision through classroom speaking. For information about the waiver examination see the Proficiency/General Studies Requirements section of this Bulletin. Students may not take for credit any course for which they have received a waiver, nor may they take for credit any course in the same department that is a prerequisite for a course that has been waived (e.g., if a student has been waived from Speech 234, he may not take Speech 110 for credit).

SPEECH 131 INTRODUCTION TO MASS COMMUNICATION *GS* 3 u

A study of mass communication with relation to current economic, political and social institutions and trends. Emphasis on print and broadcast media with consideration of advertising, public relations, government and technology. The role of media in entertainment, news, and persuasion is examined.

SPEECH 202 PRINCIPLES OF PUBLIC RELATIONS 3 u

Principles, process, and practice of public relations in business, industry, government, service, and education.

SPEECH 203 PUBLIC RELATIONS TACTICS I 3 u

A beginning exploration of public relations communication styles as they apply to various media, including news releases, public service messages, media alerts, newsletters and brochures.
Prereq: SPEECH 202.

SPEECH 204 PUBLIC RELATIONS TACTICS II 3 u

An intermediate exploration of public relations communications styles as they apply to various media, including research, image releases, video news releases, multimedia presentations and proposals.
Prereq: SPEECH 202 and SPEECH 203.

SPEECH 228 INTERPERSONAL COMMUNICATION 3 u
Theory and exercises in interpersonal communication situations. Basic theory, self disclosure, listening, conflict, trust and other topics will be examined.

SPEECH 230 RADIO PRACTICUM 1 u
A laboratory course in which the student participates in at least one area of radio broadcasting: Announcing, engineering, interviewing, or publicity. Repeatable.

SPEECH 231 PRACTICUM IN CABLE TELEVISION PRODUCTION 1 u
Participation in a variety of areas of television production including camera, lighting, graphics, audio, switching, video engineering and announcing and television performance.
Repeatable for a maximum of 4 units in major/degree.

SPEECH 232 FOUNDATIONS OF ELECTRONIC MEDIA 3 u
An in-depth survey of the historic developmental, technological, economic, programming, social impact, and regulatory foundations of the broadcasting and electronic media communications industries in America.

SPEECH 234 ELECTRONIC MEDIA ANNOUNCING 3 u
Emphasizes the development of professional speech and performing habits for radio, television, and related electronic media. Training in proper use of announcing - related technical equipment provided. Vocal and performing styles pertinent to the presentation of entertainment, information, and persuasion for electronic media are presented within an applied framework.
Prereq: SPEECH 110.

SPEECH 236 INTRODUCTION TO CINEMA 3 u
Focuses on understanding and appreciating film as a unique visual communication experience. Includes an introduction to the understanding of film language and different theories of film aesthetics and criticism.

SPEECH 238 FUNDAMENTALS OF VIDEO PRODUCTION 3 u
This introductory video production course provides students with a basic understanding of the video production process. Students work on studio and field exercises to develop their video production skills.

SPEECH 239 FUNDAMENTALS OF AUDIO PRODUCTION 3 u
A study of audio theory relevant to the production of programming for radio and related electronic mass media. Substantial attention devoted to the fundamental theoretical principles of digital audio systems. Practical experience in program production is also emphasized, in combination with the development of critical listening skills for audio production work.

SPEECH 240 PUBLIC SPEAKING 3 u
Study of the theory and techniques of public address with required presentation of speeches.
Prereq: SPEECH 110.

SPEECH 241 ELECTRONIC MEDIA COPYWRITING 3 u
The course is designed as an introduction to the theory and practice of writing for the electronic media, principally radio and television. The course will provide intensive practice through writing assignments of commercial copy, program continuity copy, and public service announcements for radio and television. There will also be practice in the development and organization of various program types including talk, interview, discussion, news, and documentary programs.
Unreq: JOURNLSM 241.

SPEECH 242 SMALL GROUP COMMUNICATION 3 u
The study of small group theory and group dynamics, with practice in their

application, designed to prepare students to communicate and function effectively as members of decision making and problem solving small groups.
Prereq: SPEECH 110.

SPEECH 244 COMMUNICATION AND INTERVIEWING 3 u
Additional study in interpersonal communication as it functions in various types of interview situations. Application and analysis of effective interpersonal communication choices in specific interview situations.
Prereq: SPEECH 110.

SPEECH 246 ELECTRONIC MEDIA NEWSWRITING AND PRODUCTION 3 u
Development of the skills of broadcast news gathering, writing, and editing.
Prereq: JOURNLSM/SPEECH 241 or JOURNLSM 243 or SPEECH 203.
Unreq: JOURNLSM 246.

SPEECH 247 INTRODUCTION TO PARLIAMENTARY PROCEDURE 3 u
To prepare the student to function intelligently as a member of any assembly by developing: parliamentary practice as an effective means of democratic participation, the skills and concepts essential for effective group participation, and by giving students the opportunity to reinforce their knowledge through group problem solving activities.

SPEECH 263 PRACTICUM IN FORENSICS 3 u
Participation in public address or interpretation events in intercollegiate contest situations. May be retaken.

SPEECH 270 MULTIMEDIA PRODUCTION I: COMMUNICATION AND WEB DEVELOPMENT 3 u
This course provides a critical and practical overview of web development as a communication tool. Students will study the function of websites, critically evaluate websites, and create websites to serve as communication vehicles. Special attention is paid to learning web development software. The goal of this class is to train the student in a set of technical skills and to teach the student to learn how new media (such as websites) can be used to communicate. This course ties theory to practice so students must learn a certain amount of technology. In addition to developing competency in the technology, students will also solve communication problems using the creative tools offered by multimedia.
Coreq: ACINDP 151

SPEECH 271 MULTIMEDIA PRODUCTION II: COMMUNICATION AND LOCAL MEDIA 3u
This course provides the opportunity for students to develop practical and critical skills in the production of multimedia in non-web or "local" environments to advance and enhance communication tasks within an organization. Special attention is paid to using digital images, motion graphics, digital video, and digital audio in the production of CD-ROMs, videodiscs, DVDs and other display media.
Prereq: SPEECH/JOURNLSM 270 Coreq: ACINDP 150

SPEECH 302 PUBLIC RELATIONS STRATEGIES 3 u
An examination, using case studies, of the theories and research which support the selection of various public relations strategies to solve problems. Issues such as responding to crisis situations, applying ethical principles to public relations problems and assessing the use of emerging technologies in public relations are also addressed.
Prereq: SPEECH 202 and SPEECH 203.

SPEECH 303 PUBLIC RELATIONS PRACTICUM 1-3 u
Planning and execution of public relations tactics, e.g., newsletters, media relations programs, special events, etc., for client organizations under the direction of a faculty member. (A maximum of two units may be applied to the Speech Communication Major and maximum of two units may be applied to the Speech Communication Minor. An additional unit may be

applied toward graduation, but not to the major or minor.)

Prereq: SPEECH 202, SPEECH 203 and SPEECH 204 and consent of instructor.

SPEECH 305/505 HISTORY OF MASS COMMUNICATION 3 u

An overview of the origin, development, strengths and weaknesses, and achievements of mass communication in the United States, with particular attention to the interrelationship between mass media and society.

Prereq: Jr st. Unreq: JOURNLSM 305/505.

SPEECH 320/520 ADVANCED AUDIO TECHNIQUES 3 u

An advanced level course that studies the utilization of multi-track digital systems in broadcast, recording and sound re-enforcement environments. Students critique and analyze existing works and produce related audio materials in various genres.

Prereq: SPEECH 239 or consent of instructor.

SPEECH 321/521 NONVERBAL COMMUNICATION 3 u

Nonverbal dimensions of interpersonal communication (physical behavior, facial expression, eye behavior, personal space, personal appearance-clothing, touch, voice and the use of objects) focusing upon their actual interaction with verbal or speech communication. Study of concepts and actual participation in nonverbal exercises/simulations.

Prereq: SPEECH 110 or its equivalent.

SPEECH 325 PSYCHOLOGY OF SPEECH GS 3 u

Speaking and listening viewed in relation to human behavior. A psychological perspective of such factors in the speech communication process as language and semantics, message processing and design, vocal-nonverbal cues, speech perception-production, and apprehension-anxiety which are involved in person to person and person to group communication.

SPEECH 326/526 COMMUNICATION AND GENDER 3 u

Advanced study of interpersonal communication between and within the sexes. The focus of the course concerns examination of traditional gender ideals and analysis of communication styles that contribute to societal evolution. Sex differences in communication, theories explaining sex differences in communication, research on sex stereotypes, debates about language and sexism, and implications for inter-gender relationships in a variety of settings are among the topics considered in this course.

Prereq: SPEECH 110.

SPEECH 327/527 INTRODUCTION TO ORGANIZATIONAL COMMUNICATION 3 u

This course provides a broad overview of the theoretical and empirical literature relevant to organizational communication. The focus is on how communication operates in organizations, the effects of communication on organizational life, and how communication can be made more efficient and effective in meeting personal as well as organizational goals.

Prereq: SPEECH 110.

SPEECH 328/528 COMMUNICATION CONFLICT RESOLUTION 3 u

This course provides a communications perspective of the nature and possible methods of resolution of conflict.

Prereq: SPEECH 110.

SPEECH 330 CORPORATE AND INDUSTRIAL VIDEO PRODUCTION 3 u

This video production course examines the uses of video technology in non-broadcast settings. Particular attention is spent on marketing, public relations, training and employee communication applications.

Prereq: SPEECH 238.

SPEECH 331 PRACTICUM IN PRODUCING AND DIRECTING FOR CABLE TELEVISION 1-3 u

Participation of a program producer and/or director for television

programming created for the University Cable Television System.

Repeatable for a maximum of 4 units in major/degree. Prereq: Cons instr.

SPEECH 332 PRACTICUM IN TELEVISION NEWS 1-3 u

Participation in the planning and production of regularly scheduled television newscasts created for the University Cable Television system. Students will earn from one (1) to three (3) units during the semester, depending upon assigned responsibilities. Repeatable for a maximum of four (4) units in major/degree.

Prereq: Consent of instructor

SPEECH 333 PRINCIPLES OF ELECTRONIC MEDIA PROGRAMMING 3 u

An examination of radio and television as a major communication industry with particular emphasis on those factors which influence program content.

Prereq: SPEECH 131 or SPEECH 232.

SPEECH 335/535 ADVERTISING VIDEO PRODUCTION 3 u

Students develop and apply advanced studio and field video production skills for the production of television advertising.

Prereq: SPEECH 238.

SPEECH 339/539 HISTORY OF THE CINEMA 3 u

A study of the motion picture as a significant art form of the twentieth century, with emphasis upon the historical, social, economic, technical, and artistic factors that influenced its development.

SPEECH 340/540 SPEECH WRITING 3 u

Students develop skills necessary to write varied types of public speeches suitable for presentation by others or by themselves.

Prereq: SPEECH 110.

SPEECH 341 TELEVISION NEWS REPORTING AND PRODUCTION 3 u

Television News Reporting and Production is a course in the theory and practice of reporting and practice of reporting, photographing, writing, editing and presenting television news. Students will also enroll concurrently in Practicum in Television News (SPEECH/JOURNLSM 332) for one unit.

Prereq: JOURNLSM 243 or JOURNLSM/SPEECH 241 or SPEECH 246 and SPEECH 238 or consent of instructor.

Coreq: JOURNLSM/SPEECH 332

SPEECH 344 ARGUMENTATION 3 u

The theory of argument: Logical development and support of propositions. Application of theory in practical situations.

Prereq: SPEECH 110.

SPEECH 345 PERSUASION 3 u

A study of the process of persuasion: Logical, ethical, and emotional appeals as well as organizational patterns and stylistic devices are addressed. Application and analysis of these techniques through term papers and speeches.

Prereq: SPEECH 110.

SPEECH 350 WRITING FOR MULTIMEDIA 3u

This course examines the stylistic and format considerations involved in the preparation of multimedia scripts and related documents such as flowcharts, treatments, proposals and other design documents. Scripting and flowcharting software is also introduced. Students will prepare treatments, proposals and scripts for both non-narrative and narrative forms of multimedia. Students will also critically examine the writing quality of various multimedia programs.

Coreq: ACINDP 150

ARTS AND COMMUNICATION**SPEECH 352 INTERACTIVE COMMUNICATION AND ADVANCED MULTIMEDIA PRODUCTION 3 u**

Interactive Communication and Advanced Multimedia Production is a course in which students apply principles of communication theory to the production of interactive multimedia projects. Students will produce multimedia projects for on- and off-campus clients. Emphasis is placed on understanding the role of the production team in multimedia production and advanced applications of multimedia software.
Prereq: SPEECH/JOURNLISM 271

SPEECH 359/559 RHETORIC OF THE WESTERN WORLD GH 3 u

An introduction to significant theories of communication and persuasion based on western thought.
Prereq: SPEECH 110

SPEECH 360/560 MEDIA OPERATIONS AND MANAGEMENT 3 u

An overview and examination of the basic operations of newspaper, radio, television, magazine, advertising/public relations agency and new information technologies: organization and equipment, company and manager responsibilities, market analysis and product planning, distribution and pricing, social responsibilities, production and service, financial and legal questions, and public and employee relations.
Prereq: SPEECH 131 or SPEECH 232 or SPEECH 202 or JOURNLISM 220 and junior standing.
Unreq: JOURNLISM 360/560

SPEECH 363 HEALTH COMMUNICATION AND SOCIAL SUPPORT 3 u

This course provides an overview of the field of health communication, with special emphasis given to theory and research on social support messages. Factors that influence the provision and reception of social support messages are examined in a variety of different contexts (e.g., relational, familial, support group, workplace, on-line). Assessment of health communication messages occurring while giving social support, dilemmas of social support interactions and failures in the communication of health messages are also considered.
Prereq: SPEECH 110

SPEECH 368 FAMILY COMMUNICATION 3 u

This course is designed to enhance students' understanding of communication in familial relationships. Topics such as parent-child relationships, sibling relationships, family stereotypes, aging family members, and cultural variations in family interactions will be covered.
Prereq: SPEECH 228 or consent of instructor

SPEECH 402 PUBLIC RELATIONS PLANNING 3 u

Application of public relations principles, tactics and strategies to a client's public relations problem or opportunity, through the development and use of public relations planning skills.
Prereq: SPEECH 202, SPEECH 203, SPEECH 204 and SPEECH 302.

SPEECH 420/620 LISTENING BEHAVIOR GS 3 u

Study of the current theory and research concerning the process of listening in human communication as a basis for an effective understanding of listening behavior and for an increased ability to improve one's own listening skills. Coverage of material culminates in an analysis of approaches to teaching listening in the schools and training in business-industry.
Prereq: SPEECH 110 or equiv or cons instr.

SPEECH 422/622 COMMUNICATION THEORIES 3 u

Study of theories of communication from various disciplinary viewpoints. An investigation of approaches which attempt to explain the communication process through a "meaning-centered" focus to the communication act (originating communicator, message, channel, responding communicator). Theories are discussed in terms of their assumptions, claims, and strengths-weaknesses.

COMMUNICATION - SPEECH 81**SPEECH 424/624 CROSS CULTURAL COMMUNICATION GS/Diversity 3 u**

Study of cross cultural contacts and interactions when individuals are from different cultures. An analysis of verbal and nonverbal communication and related factors within and between various cultures, predictions of patterns and effects, and communication barriers.

SPEECH 427/627 COMMUNICATION TRAINING IN ORGANIZATIONS 3 u

This is an advanced level course that focuses on identifying, evaluating, and enhancing the communicative competencies behind the functioning of contemporary organizations.
Prereq: SPEECH 327/527.

SPEECH 429/629 ORGANIZATIONAL COMMUNICATION NEEDS ANALYSIS 3 u

This course examines the critical issues associated with doing applied work in organizational communication. Theoretical and empirical questions are addressed in this regard. On the basis of this knowledge, the student then learns by conducting an audit of the communication climate for a specific organization.
Prereq: SPEECH 327/527, SPEECH 244 and (JOURNLISM 485/685 or SPEECH 485/685) or consent of instructor.

SPEECH 431/631 MASS COMMUNICATION IN SOCIETY 3 u

A course which examines the functions and effects of mass media in our society. Theoretical bases for assessing social, behavioral and cultural influences are emphasized.
Prereq: SPEECH 131 or SPEECH 202 or SPEECH 232. Unreq: JOURNLISM 431/631.

SPEECH 434/634 BROADCAST STATION OPERATIONS AND PROCEDURES 3 u

An advanced-level course involving the elements of broadcast station and cable television operations, with particular emphasis on federal regulatory policies. Electronic mass media operations involving management, sales, programming, and audience responsibilities are emphasized. Formation of internal policy guidelines for day-to-day operations is a major course focus.
Prereq: SPEECH 232 and at least one term's staff experience on either WSUW-FM or at Cable 6 or its equivalent as determined by the instructor.

SPEECH 440/640 NEW COMMUNICATION TECHNOLOGIES 3 u

This course examines the major innovations in the telecommunication industry. Students will explore alternative regulatory contexts in which these systems can develop and address the implications of these developments in a variety of social, institutional and philosophical contexts.
Prereq: JOURNLISM 210 or JOURNLISM 220 or SPEECH 131 or SPEECH 232 or junior standing.

SPEECH 445/645 RHETORIC OF CAMPAIGNS & SOCIAL MOVEMENTS 3 u

Advanced study of the process of persuasion as it relates to significant campaigns and/or social movements such as Civil Rights, Women's Movement, and Political Campaigns. Applications and analysis of persuasion and campaigns and/or social movements through term papers, exams, and presentations.
Prereq: SPEECH 110.

SPEECH 459/659 COMMUNICATION CRITICISM 3 u

Advanced study of social influence through the systematic analysis of public messages. Students will be exposed to contemporary methods of rhetorical criticism which aid in the analysis of strategy and effect.
Prereq: SPEECH 345.

SPEECH 460 APPLIED PERSUASION

3 u

This course advances the application of the basic theories, practice, and research methodology of persuasion. Students will be asked to integrate and extend their knowledge and experience of persuasion in interpersonal, public, and/or organizational contexts. Upon completion of the course, students will have a series of portfolio materials in applied persuasion projects under faculty supervision.

Prereq: SPEECH 345

SPEECH 463 APPLIED COMMUNICATION IN HEALTH AND WELLNESS

3u

This advanced level course integrates health communication theory and practices, analyzing the application of communication theory in a variety of health and wellness contexts, such as smoking cessation, HIV/AIDS prevention and cancer detection. Students will demonstrate understanding of applied principles by critiquing and developing health campaign messages during the semester.

Prereq: SPEECH 363

SPEECH 485/685 COMMUNICATION RESEARCH METHODS

3 u

An advanced-level undergraduate and graduate survey of methodologies and issues relevant to the practice of communication research.

Prereq: Junior/senior standing. Unreq: JOURNLSM 485/685.

SPEECH 487 SENIOR ELECTRONIC MEDIA PROJECT

1-2 u

This course allows students the opportunity to complete a capstone research or production project during their senior year. Students work with one or more faculty who advise and evaluate the project. During class meetings students work on the design of their projects and present their projects and findings. Students also develop professional networking and job acquisition skills and work on resume and portfolio preparation.

Prereq: Senior standing plus the completion of at least 20 hours in the major including completion of Foundations of Electronic Media, Fundamentals of Audio Production and Studio Video Production.

SPEECH 489 ADVANCEMENTS IN ORGANIZATIONAL COMMUNICATION

3 u

This is an advanced level course that exposes students to higher level organizational communication concepts and theories, which are applied and integrated within various contexts. Concentration on current/selected advancements in organizational communication with emphasis on supplemental readings and course materials.

Repeatable. Prereq: SPEECH 327/527.

SPEECH 490/690 WORKSHOP

1-6 u

SPEECH 491/691 TRAVEL STUDY

Repeatable

1-3 u

SPEECH 493C INTERNSHIP IN COMMUNICATION

1-3 u

Professional experience in which the student who aspires to a career in organizational communication/public communication, works for an approved employer in his/her area of interest. (A maximum of three units of internship may be applied toward a speech communication major; a maximum of two units may be applied toward a speech communication minor).

Prereq: Jr or sr st, cons instr and those courses deemed necessary by the internship advisor.

SPEECH 493E INTERNSHIP IN COMMUNICATION

2-3 u

Professional experience in which the student works in the television, radio, or film industry under the supervision of a professional. Repeatable for a maximum of 3 units in degree.

Prereq: SPEECH 232 and SPEECH 238 or SPEECH 239 and approval of supervisor. Restricted to students with Junior or Senior status.

SPEECH 493I PUBLIC RELATIONS INTERNSHIP

1-6 u

Professional experience in which the student who aspires to a career in

public relations, works in an approved internship setting in his/her area of interest. (A maximum of three units of internship may be applied toward a speech communication major; a maximum of two units may be applied toward a speech communication minor.) Additional units may be applied toward graduation, but not toward the major or minor.

Prereq: SPEECH 203, SPEECH 204, 3.00 GPA in the prerequisite courses and consent of instructor.

SPEECH 494 SEMINAR

1-6 u

Repeatable. Prereq: Junior standing and consent of instructor.

SPEECH 496/696 SPECIAL STUDY

1-3 u

Repeatable. Prereq: Junior standing and consent of instructor.

SPEECH 497 EXCHANGE STUDY

Repeatable

1-12 u

SPEECH 498 INDEPENDENT STUDY

1-3 u

Repeatable. Prereq: Junior standing or consent of instructor.

DEPARTMENT OF MUSIC

Phone: 262-472-1310
800-621-8744

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Faculty: J. Michael Allsen, Kirby Bock, Myung-Hee Chung, Christian Ellenwood, Robin Fellows, George Ferencz, Jane Ferencz, Frank Hanson, Kathryn Hartgrove, Glenn Hayes, Jeff Herriott, Linda Hurstad, Christine Johansen, Harry Johansen (Chairperson), Carlene McMonagle, Matthew Sintchak, John Tuinstra, Benjamin Whitcomb, Carmen Wiest, Steve Wiest, Tobie Wilkinson, and Cathi Wilson.

Through its Bachelor of Music and Bachelor of Arts degree programs the Music Department offers its majors high-quality instruction and performance opportunities to prepare them for careers and/or advanced study in such areas as public school music teaching, performance, music theory or musicology, and studio teaching, as well as for the wide range of opportunities that exist in the music field. By completing a Minor in Music, students can gain not only personal satisfaction but knowledge and experience that can be of value as they pursue a chosen career.

The Department sponsors a variety of performing ensembles, which are open to all university students. Vocal groups include the Concert Choir, Chamber Singers, Women's Chorale, Class Act (jazz choir), and Opera Workshop. Instrumental groups include the Symphonic Wind Ensemble, University Orchestra, Concert Band, Marching Band, Jazz Ensembles, Brass Choir, Flute Choir, Clarinet Choir, Trombone Choir, Percussion Ensemble, and chamber groups. All provide rich and varied musical experiences and the opportunity to meet and perform with many talented musicians.

The UW-Whitewater Music Department is a fully accredited member of the National Association of Schools of Music. Prospective music majors should request application materials, audition requirements, and a schedule of audition dates from the department chairperson.

PROGRAM REQUIREMENTS AND DEPARTMENTAL POLICIES**Auditions**

Students desiring to major in music must pass an audition in their primary performing area. If this cannot be completed before initial registration, music major status will be conditional pending a successful entrance audition. Music minors must pass an audition for a faculty member in their primary performing area in order to register for applied music study.

Waivers

Entering majors or minors may, through the Advanced Placement

Examination, be waived from Music Theory I (MUSC 151). Total units required for graduation, however, remain unchanged.

Note to non-music majors: These one-unit instrumental and vocal ensembles may be repeated. Though all such music ensemble units earned will appear on your transcript, no more than six will be applied toward graduation.

Other Requirements - Music Department Handbook

The Music Department Handbook contains important information which, due to space limitations, is not printed in the Catalog. Students are responsible for familiarizing themselves with its contents. The Handbook is updated as policies change or are added. All enrolled majors and minors-regardless of admission date-are bound by policies outlined in the most recent revision of this Handbook. This handbook may be found at <http://academics.uww.edu/CAC/Music/Handbook>. Students without on-line access may view a copy in the Music Department Office (CA 2038), or in the Arts Media Center (CA 16).

Applied Music Study: Terminology and Policies

The term "Primary Performing Area" refers to the student's main performing medium - the one in which he/she must pass an entrance audition in order to be accepted as a music major, will receive instruction, and will be expected to maintain satisfactory progress over the course of study. For applied study in the Primary Performing Area, courses are arranged by level (for example, MUSC 160, MUSC 260, MUSC 360, and MUSC 460, in the case of instrumental instruction), which normally correspond to the freshman through senior years of enrollment.

Ordinarily a music major will have only one Primary Performing Area and will not change that area during the course of study. If a change is desired, the student must reaudition in the new performing area, and if successful, would be placed at the first term freshmen level for lessons in the new area. This change must have the consent of a) the department chairperson, b) the appropriate applied music area coordinator(s), and c) the two applied music instructors involved.

All other applied music study (class or private, required or elective) is termed "Secondary" or "Non-Primary" study. In the case of private instruction, the course numbers MUSC 126, MUSC 127, MUSC 128, MUSC 129, MUSC 326, MUSC 327, and MUSC 329 apply to such secondary study.

Units: For all private applied study, a half-hour of instruction per week will receive one unit, with a maximum of one hour of instruction for two or more units. A minimum of five hours of individual practice per week are required for each unit taken.

Writing Proficiency Requirement

The papers written in Music History II (MUSC 246) constitute the Music Department's Writing Proficiency Requirement. In order to pass this requirement, students must earn a combined grade of 81% or better on two designated papers. Students who receive a combined grade of 80% or less on the two papers will fail the Writing Requirement and must register for (and pass) English 680-370 - Advanced Composition before they may graduate.

MAJORS/EMPHASES

The Music Department offers two undergraduate major programs, the Bachelor of Arts (BA) and Bachelor of Music (BM). Five emphases are possible under the Bachelor of Music program: Music Performance, Music History-Theory, Choral Music Education, Instrumental Music Education, and General Music Education.

Major and related course requirements for the BA and each of the five emphases for the BM degree are listed below. Immediately following is a

series of notes related to applied music study and other requirements for these programs.

MUSIC (BA)

MAJOR - 41 UNITS

1. 6 TERMS OF MUSC 100
2. MUSC 151, MUSC 152, MUSC 251, MUSC 252
3. MUSC 153, MUSC 154, MUSC 253, MUSC 254
4. MUSC 245, MUSC 246, MUSC 247
5. MUSC 455

SELECT 14 UNITS WITH ADVISOR FROM THE FOLLOWING LIST OF APPLIED AND ELECTIVE MUSIC COURSES:

6 terms of Primary Applied Instruction (See Note 1)	6 u.
2 terms of MUSC 128 and/or Class Piano (unless Primary Applied is Keyboard)	0-2 u.
4 terms of ensembles (See note 9)	4 u.
Music electives other than ensembles	<u>2-4 u.</u>
TOTAL UNITS	14 u

UNITS OUTSIDE THE 1ST MAJOR - 70 UNITS

1. SELECT A MINIMUM OF 70 UNITS OUTSIDE THE 1ST MAJOR RLS

NOTE: AN APPROVED MINOR IS REQUIRED FOR BA MUSIC MAJORS

MUSIC PERFORMANCE EMPHASIS (BM)

This Emphasis is intended for the highly qualified student who wishes concentrated music study in the area of performance. It is designed to prepare the student for graduate or other advanced study in his/her major performing medium. Enrollment in the Performance Emphasis during the first year of study is contingent upon the approval of the applied faculty in the student's performing area. The election of units in primary applied instruction above the minimums stated below requires permission of the instructor. In all cases, acceptance into the Performance Emphasis is to be regarded as provisional, with permission to continue to be determined by performance before a faculty jury at the end of the first year of study. A similar jury must be passed by any student seeking transfer into the Performance Emphasis from another music emphasis.

MAJOR - 78 UNITS

1. 7 TERMS OF MUSC 100
2. MUSC 151, MUSC 152, MUSC 251, MUSC 252
3. MUSC 153, MUSC 154, MUSC 253, MUSC 254
4. MUSC 245, MUSC 246, MUSC 247
5. MUSC 356 AND MUSC 443
6. MUSC 453, MUSC 454, AND MUSC 455
7. MUSC 489
8. 43-45 ADDITIONAL UNITS, AS FOLLOWS:

Keyboard Performance:

Four levels of Primary Applied (6 u at each level) (see Note 6)	24 u.
MUSC 339 Piano Pedagogy	2 u.
Ensembles (see Note 7)	8 u.
Music Electives	<u>9 u.</u>
TOTAL UNITS	43 u.

Vocal Performance:

Four levels of Primary Applied (6 u at each level)* (see Note 6)	24 u.
MUSC 275 AND MUSC 276	4 u.
MUSC 128 and/or Class Piano	6 u.
MUSC 338 Vocal Pedagogy	2 u.

Ensembles (see Note 7)	<u>8 u.</u>
TOTAL UNITS	45 u.

Instrumental Performance:

Four levels of Primary Applied (6 u at each level) (see Note 6)	24 u.
MUSC 128 and/or Class Piano	6 u.
Ensembles (see Note 7)	8 u.
Music Electives	<u>5 u.</u>
TOTAL UNITS	43 u.

MUSIC HISTORY-THEORY EMPHASIS (BM)

This emphasis is designed to prepare the student for graduate study in musicology or theory/composition. Only students with an excellent overall academic record and demonstrated potential in these areas will be admitted. Approval of the history-theory faculty is required, one of whom will serve as academic advisor. Admission to this emphasis should be sought by the end of the freshman year. NOTE: The required 6-9 units of General Studies Humanities must include 4 units of French or German.

MAJOR - 80 UNITS

- 8 TERMS OF MUSC 100
- MUSC 151, MUSC 152, MUSC 251, MUSC 252
- MUSC 153, MUSC 154, MUSC 253, MUSC 254
- MUSC 245, MUSC 246, MUSC 247
- MUSC 356
- MUSC 453, MUSC 454 AND MUSC 455
- MUSC 488
- MUSC 450
- MUSC 498

Select 45 units with Advisor from:

Primary Applied Instruction (8 u. at lower division, 3 u. at upper division)	11 u.
MUSC 128 and/or Class Piano*	7 u.
Ensembles (See note #10)	6 u.
History-Literature and Theory/Composition Electives**	10 u.
Music Electives	<u>4 u.</u>
TOTAL UNITS	45 u.

*If primary applied is piano or organ, MUSC 128 is waived, and 7 u. added to Music Electives.

** To include a minimum of 8 u. History-Literature from MUSC 343, MUSC 438, MUSC 439, MUSC 443, MUSC 445, MUSC 446, MUSC 447, MUSC 448, MUSC 463, MUSC 496, and 2 u. Theory/Composition from MUSC 452, MUSC 459, MUSC 479, MUSC 496.

MUSIC EDUCATION CHORAL EMPHASIS (BM)

The Music Education Choral Emphasis is designed to prepare the student for a career of teaching choral music in grades 6-12, and leads to licensure in secondary choral music. Students whose primary performing area is not voice must demonstrate, through audition before the voice faculty, a satisfactory level of vocal ability before being admitted to this program. The outline of courses assumes a primary performing area of either voice or keyboard (piano or organ). Students who wish to add general music licensure to the program of studies in the choral emphasis must complete additional course work as outlined in Note 11.

LICENSURE - 31 UNITS

- EDFOUND 212 AND EDFOUND 243
- CIFLD 160 and CIFLD 210
- SECNDED 466

- MUSC 422
- SECNDED 438
- SELECT 2 UNITS FROM CIFLD 492
- DIRECTED TEACHING: SELECT 12 UNITS FROM CIFLD 414

MAJOR - 74-75 UNITS

- 7 TERMS OF MUSC 100
- MUSC 189 AND MUSC 292
- MUSC 151, MUSC 152, MUSC 251, MUSC 252
- MUSC 153, MUSC 154, MUSC 253, MUSC 254
- MUSC 245, MUSC 246, MUSC 247
- MUSC 275 AND MUSC 276
- MUSC 338 AND MUSC 343
- MUSC 190 AND MUSC 290
- MUSC 356 AND MUSC 357
- MUSC 453 AND MUSC 455
- MUSC 488

Select 26-27 units with Advisor from the following list of applied and ensemble music courses:

- 13 units of applied study in primary performing area (see Note 2)
- 6 units of secondary piano instruction if voice is the primary performing area OR
- 7 units of secondary vocal instruction if keyboard is the primary performing area (see Note 4)
- 7 terms enrollment in MUSC 171 or MUSC 175

MUSIC EDUCATION INSTRUMENTAL EMPHASIS (BM)

The Music Education Instrumental Emphasis is designed to prepare the student for a career of teaching instrumental music in the public schools (kindergarten through grade 12). Students who wish to add general music licensure to the program of studies in the instrumental emphasis must complete additional course work as outlined in Note 12.

LICENSURE - 34 UNITS

- EDFOUND 212 AND EDFOUND 243
- CIFLD 160 and CIFLD 210
- SECNDED 466
- MUSC 422
- ELEMMID 437, SECNDED 437
- SELECT 2 UNITS FROM CIFLD 492
- DIRECTED TEACHING: SELECT 6 UNITS FROM CIFLD 411 AND 6 UNITS FROM CIFLD 414

MAJOR - 76-80 UNITS

- 7 TERMS OF MUSC 100
- MUSC 151, MUSC 152, MUSC 251, MUSC 252
- MUSC 177
- MUSC 153, MUSC 154, MUSC 253, MUSC 254
- MUSC 245, MUSC 246, MUSC 247
- MUSC 189, MUSC 190
- MUSC 290
- MUSC 362, MUSC 363, MUSC 364, MUSC 366 AND MUSC 368
- MUSC 356 AND MUSC 358
- MUSC 453 AND MUSC 455
- MUSC 467 AND MUSC 468
- MUSC 488

Select 23-27 units with Advisor from the following list of applied and elective music courses:

- 13 units of applied study in primary performing area (see Note 2)
- 3 units in secondary piano instruction

OR

- 7 units of MUSC 126 (principal secondary instrument) if keyboard is the primary performing area
- 7 terms band or orchestra (see Note 5)

Additional policies regarding applied study and recital requirements are found in the Music Department Handbook.

MUSIC EDUCATION GENERAL EMPHASIS (BM)

The Music Education General Emphasis is designed to prepare the student for a career of teaching general music in grades K-12, and leads to licensure in elementary and secondary general music. Students whose primary performing area is not voice must demonstrate, through audition before the voice faculty, a satisfactory level of vocal ability before being admitted to this program. The outline of courses assumes a primary performing area of voice or keyboard (piano or organ). Students who wish to add choral music licensure to the program of studies in the general emphasis must complete additional course work as outlined in Note 13.

LICENSURE - 34 UNITS

1. EDFOUND 212 AND EDFOUND 243
2. CIFLD 160 and CIFLD 210
3. SECNDED 466
4. MUSC 422
5. ELEMMD 434 AND SECNDED 436
6. SELECT 2 UNITS FROM CIFLD 492
7. DIRECTED TEACHING: SELECT 6 UNITS FROM CIFLD 411 AND 6 UNITS FROM CIFLD 414

MAJOR - 71-72 UNITS

1. 7 TERMS OF MUSC 100
2. MUSC 166 AND MUSC 189
3. MUSC 292
4. MUSC 151, MUSC 152, MUSC 251, MUSC 252
5. MUSC 153, MUSC 154, MUSC 253, MUSC 254
6. MUSC 245, MUSC 246, MUSC 247
7. MUSC 338 AND MUSC 343
8. MUSC 190 AND MUSC 290
9. MUSC 356 AND MUSC 357
10. MUSC 453 AND MUSC 455
11. MUSC 488

Select 26-27 units with Adviser from the following list of applied and elective music courses:

- 13 units of applied study in primary performing area (see Note 2)
 - 6 units of secondary piano instruction if voice is the primary performing area
- OR
- 7 units of secondary vocal instruction if keyboard is the primary performing area (see Note 4)
 - 7 terms enrollment in MUSC 171 or MUSC 175

NOTES

1. For BA (Music): Two terms each at the 100, 200, and 300 levels of primary applied instruction are required. Based on entrance audition, up to two terms of non-primary private applied instruction may be counted toward the six terms required. BA students must pass the upper division jury before graduation.
2. For BM (Music Education Choral, Instrumental, General and History-Theory): Seven terms of private study in the primary performing area required - two each at levels 100, 200, 300. One term at level 400 is required with concurrent registration in MUSC 488, Senior Recital.

3. For BM (Music Education Choral and General): Levels of Class Piano (MUSC 186, 187, and 188) may be used in satisfying this requirement. With permission from the keyboard faculty, students with prior background (or who make unusually rapid progress) may substitute MUSC 128, Private Piano Instruction (Non-Primary) for any or all of these courses.
4. For BM (Music Education Choral and General): Completion of MUSC 177, Class Voice, in addition to three terms of MUSC 127, Private Vocal Instruction Non-Primary Level 1, and three terms of MUSC 327, Non-Primary Level 2, satisfies this requirement. With permission of the voice faculty, MUSC 127, Private Vocal Instruction (Non-Primary) may be substituted for Class Voice.
5. For BM (Music Education Choral and General): The ensemble requirement may be fulfilled by participation in seven terms of large ensembles (MUSC 171 Concert Choir, Chamber Singers), or six terms of large ensembles and two terms of small ensembles. Small ensembles include MUSC 279 (Women's Choral, Class Act) and MUSC 271, Opera Performance Techniques, and opera or musical theatre productions, MUSC 272, Practicum in Music Theatre.
6. For BM (Music Education Instrumental): Wind- or percussion-primary students enroll in four terms to be selected from MUSC 161 (Symphonic Wind Ensemble, Concert Band) and MUSC 162 (University Orchestra); two terms of MUSC 169 (Marching Band) and one term of MUSC 164 (Jazz Symposium, Jazz Ensemble, Jazz Lab, Jazz Seminar). String-primary students enroll in seven semesters of MUSC 162, University Orchestra. Guitar-primary students must have a seven term plan of study approved by the department chairperson and the instrumental faculty.
7. For BM (Music Performance): Additional policies regarding applied study and recital requirements are found in the Music Department Handbook.
8. For BM (Music Performance): Wind- or percussion-primary students enroll in eight terms of MUSC 162, University Orchestra, MUSC 161, Wind Ensemble, or MUSC 164 (Jazz Symposium, Jazz Lab, Jazz Ensemble, Jazz Seminar), with no fewer than 4 terms of Orchestra and/or Wind Ensemble. String-primary students enroll in eight terms of MUSC 162, University Orchestra. Voice-primary students enroll in eight terms of MUSC 171 (Concert Choir, Chamber Singers). Keyboard-primary students enroll in 2 to 4 terms of MUSC 482, Accompanying or MUSC 383, Chamber Music, fulfilling the remainder of the requirement in large ensembles. Guitar-primary students must have an eight term ensemble plan of study approved by the department chairperson and instrumental faculty.
9. For BA (Music): Wind- or Percussion-primary students enroll in four terms of instrumental ensembles, with two terms selected from MUSC 162, University Orchestra, MUSC 161, (Wind Ensemble, Concert Band), MUSC 164 (Jazz Symposium, Jazz Lab, Jazz Ensemble, Jazz Seminar) or MUSC 169, Marching Band. String-primary students enroll in four terms of MUSC 162, University Orchestra. Voice-primary students enroll for four terms of MUSC 171, (Concert Choir, Chamber Singers). Keyboard- and guitar-primary students must have a four-term ensemble plan of study approved by the department chairperson and keyboard faculty (for piano/organ) or instrumental faculty (for guitar).
10. For BM (History-Theory): String -, wind-, percussion-primary students enroll in six terms of MUSC 161 (Wind Ensemble, Concert Band) or MUSC 162, University Orchestra. Voice-primary students enroll in six terms of MUSC 171 (Concert Choir, Chamber Singers). Keyboard- and guitar-primary students must have a six-term ensemble plan of study approved by the department chairperson and

the keyboard faculty (for piano/organ) or instrumental faculty (for guitar).

11. For BM (Music Education Choral): Students seeking additional preK-12 General Music licensure must also enroll in MUSC 166, Folk Guitar, ELEMMD 434, Elementary General Music Methods, SECNDED 436, Methods of Teaching General Music in the Middle/Secondary School, totaling 5 additional units. Directed teaching is divided into 6 elementary-level units (CIFLD 411) and 6 secondary level units (CIFLD 414).
12. For BM (Music Education Instrumental): Students seeking additional Secondary General Music licensure, must also enroll in MUSC 166, Folk Guitar and SECNDED 436, Methods of Teaching General Music in the Middle/Secondary School, totaling 3 additional units.
13. For BM (Music Education General) Students seeking additional 6-12 Choral Music licensure must also enroll in SECNDED 438, Methods of Teaching Choral Methods in the Middle/Secondary School and MUSC 275, 276 (Diction for Singers I and II) totaling 6 additional units.

MINOR

MUSIC

MINOR - 23 UNITS

1. 4 TERMS OF MUSC 100 (Recital Attendance)
2. MUSC 151 AND MUSC 153
3. MUSC 152
4. MUSC 186 OR WAIVER
5. MUSC 247

Select 14 additional units (with Minor advisor) from two or three of the categories below. Note: Music minors must pass an audition before permission to enroll in applied music will be granted.

Applied Music Option (0 - 7 units)

MUSC 126, 127, 128, 129, 166, 177, 178, 187, 188 and 189

Ensemble Option (4 - 7 units)

MUSC 161, 162, 164, 169, 171, 175, 269, 272 and 279

Coursework Option (0 - 10 units)

MUSC 143, 144, 154, 240, 241, 244, 245, 246, 251, 252, 253 and 254

COURSE DESCRIPTIONS

MUSC 060 PRIVATE INSTRUMENTAL INSTRUCTION 1 u IN THE PRIMARY PERFORMING AREA

This course is intended for students accepted as probationary music majors. Students allowed to enroll have demonstrated potential in their performing medium, but need to review the basics of playing their instrument and/or need work in some performance skills to catch up to the level of a first term music major. This course counts toward the term credit load and will be computed into the grade point average. It will not be included in the credit count toward graduation. This course is not repeatable. At the conclusion of one term of "0" lessons, the student must readmission to be accepted as a major in the department. A grade of "C" or lower and/or nonacceptance as a music major will be cause for the removal of the student from the program. NOTE: Does not count toward degree. Prereq: Acceptance as a probationary music major.

MUSC 070 PRIVATE VOCAL INSTRUCTION IN THE PRIMARY PERFORMING AREA 1 u

This course is intended for students accepted as probationary music majors. Students allowed to enroll have demonstrated potential in their performing medium, but need to review the basics of playing their instrument and/or need work in some performance skills to catch up to the level of first term music major. This course counts toward the term credit load and will be computed into the grade point average. It will not be included in the credit count toward graduation. This course is not repeatable. At the conclusion of one term of "0" lessons, the student must readmission to be accepted as a major in the department. A grade of "C" or lower and/or nonacceptance as a music major will be cause for the removal of the student from the program. NOTE: Does not count toward degree. Prereq: Acceptance as a probationary music major.

MUSC 080 PRIVATE KEYBOARD INSTRUCTION IN THE PRIMARY PERFORMING AREA 1 u

This course is intended for students accepted as probationary music majors. Students allowed to enroll have demonstrated potential in their performing medium, but need to review the basics of playing their instrument and/or need work in some performance skills to catch up to the level of a first term music major. This course counts toward the term credit load and will be computed into the grade point average. It will not be included in the credit count toward graduation. This course is not repeatable. At the conclusion of one term of "0" lessons, the student must readmission to be accepted as a major in the department. A grade of "C" or lower and/or nonacceptance as a music major will be cause for the removal of the student from the program. NOTE: Does not count toward degree.

Prereq: Acceptance as a probationary music major.

MUSC 100 RECITAL ATTENDANCE 0 u

Offered on a satisfactory/no unit basis only. A set number of recitals and concerts must be attended to fulfill the requirement. Open to and required of music majors and minors. Repeatable.

MUSC 111 FUNDAMENTALS OF MUSIC 3 u

A required course for Early Childhood, Elementary and Middle School education majors. A prerequisite to EARLYCHD 222 and ELEMMD 223. Not a General Studies Course.

MUSC 126 PRIVATE INSTRUMENTAL INSTRUCTION (Non-Primary) LEVEL I 1 u

This course is intended for minors and for music majors fulfilling applied music requirements for secondary study. Repeatable. Prereq: Open by audition and consent of the instructor.

MUSC 127 PRIVATE VOCAL INSTRUCTION (Non-Primary) LEVEL I 1 u

This course is intended for minors and for music majors fulfilling applied music requirements for secondary study. Repeatable. Prereq: Open by audition and consent of the instructor.

MUSC 128 PRIVATE PIANO INSTRUCTION (Non-Primary) LEVEL I 1 u

This course is intended for minors and for music majors fulfilling applied music requirements for secondary study. Repeatable. Prereq: Open by audition and consent of the instructor.

MUSC 129 PRIVATE ORGAN INSTRUCTION (Non-Primary) LEVEL I 1 u

This course is intended for minors and for music majors fulfilling applied music requirements for secondary study. Repeatable. Prereq: Open by audition and consent of the instructor.

MUSC 140 INTRODUCTION TO CLASSICAL MUSIC GA 2 u

A course in music appreciation emphasizing the organizational elements in music and the pertinence of these elements to perceptive listening. Lectures, concerts, assigned reading and directed listening. Not open to music majors and minors.

MUSC 143 SURVEY OF AMERICAN JAZZ GA 2 u

A listening approach to jazz with emphases both upon styles and the contribution made by selected jazz musicians of America. Other influences upon jazz will also be surveyed.

MUSC 144 CULTURAL MUSIC OF THE AMERICAS GA/Diversity 3 u

An exploration of the musical culture of native Americans, Latin Americans, and black Americans with regard to their significance in U.S. history and society of the present. Through music, ethnic similarities and differences will be studied to obtain a broad and meaningful perspective of these cultural effects.

Prereq: GENED 110.

MUSC 150 INTRODUCTION TO MUSIC THEORY 2 u

A beginning course in music theory for interested students. The course content includes basic concepts of notation, pitch, rhythm, scales, and chords. Beginning listening and music reading skills are taught. Units not applicable to music major or minor.

MUSC 151 THEORY I 2 u

An approach to the comprehension of the basic tools of musicianship through the study of notation, clefs, meters, scales, modes, intervals, tonality, melody and harmony.

MUSC 152 THEORY II 2 u

An approach to the comprehension of the basic tools of musicianship through the study of part-writing, harmonic progression, chord functions, seventh chords and secondary dominants.

Prereq: MUSC 151.

MUSC 153 AURAL SKILLS I 2 u

An approach to the comprehension of the basic tools of musicianship through the study of pitch and pattern work on melody, harmony and rhythm. Intended to be taken concurrently with Theory I (MUSC 151).

MUSC 154 AURAL SKILLS II 2 u

The second of a series of four terms of basic musical training in ear training, sightsinging and rhythm intended to be the foundation courses for all music majors and minors.

Prereq: MUSC 153.

MUSC 160 PRIVATE INSTRUMENTAL INSTRUCTION IN THE PRIMARY PERFORMING AREA (100 LEVEL) 1-4 u

Study at this level includes the review and application of fundamental techniques in the selected area, and the performance of solo repertoire appropriate to the first year of college study. Repeatable. Open to music majors who have passed the entrance audition in their primary area.

MUSC 161 UNIVERSITY BANDS 1 u

Open to all students in the university. Symphonic Wind Ensemble meets in the evenings during the fall term and in the afternoons during the spring term. Concert Band meets only during the spring term, in the afternoons. For Marching Band information, please see MUSC 169. For Pep Band, please see MUSC 269. Repeatable.

Prereq: Audition required for membership in Symphonic Wind Ensemble.

MUSC 162 UNIVERSITY ORCHESTRA 1 u

Open to all university students. Materials selected from standard orchestral literature. Repeatable.

Prereq: Audition and consent of instructor.

MUSC 164 JAZZ BANDS 1 u

Open to all university students. The Jazz Bands rehearse and perform various styles of the jazz band repertoire with a focus on skills in improvisation. Repeatable.

Prereq: Audition and consent of instructor.

MUSC 165 CLARINET TECHNIQUES 1 u

Study of clarinet and clarinet pedagogy, emphasizing embouchure formation, breathing, hand position, articulation and finger technique. A variety of teaching materials and methods will be explored.

Prereq: Music major or minor or consent of instructor.

MUSC 166 FOLK GUITAR 1 u

An introduction to guitar. Emphasis will be placed on the chordal approach to guitar playing in order to harmonize (accompany) popular folk melodies.

Prereq: Music major or minor or consent of instructor.

MUSC 167 VIOLIN AND VIOLA TECHNIQUES 1 u

Study of violin and viola emphasizing methods suitable for use in school classes.

Prereq: Music major or minor or consent of instructor.

MUSC 168 TRUMPET AND HORN TECHNIQUES 1 u

Study of the trumpet and horn emphasizing development of pedagogical and performance skills. Consideration given to the selection of appropriate teaching materials for beginning students.

Prereq: Music major or minor or consent of instructor.

MUSC 169 MARCHING BAND 1 u

Open to all students in the university who play a wind or percussion instrument, or who have been or want to be in a color guard. Performs for all home games and travels periodically. Repeatable. Offered fall term only.

MUSC 170 PRIVATE VOCAL INSTRUCTION IN THE PRIMARY PERFORMING AREA (100 LEVEL) 1-4 u

Study at this level includes the review and application of fundamental techniques and the performance of solo repertoire appropriate to the first year of college study. Repeatable. Open to music majors who have passed the entrance audition in their primary area.

MUSC 171 CONCERT CHOIRS 1 u

Membership open to all college men and women who have had previous choral experience. Activities consist of concerts, spring tour and special programs. The choir performs standard choral literature. Repeatable.

Prereq: Admission by audition.

MUSC 175 UNIVERSITY CHORUS 1 u

A chorus of mixed voices open to all university students, faculty and townspeople who enjoy singing. Activities consist of fall and spring concerts that include standard choral literature, with some emphasis on large scale works. Repeatable. No audition required.

MUSC 177 CLASS VOICE I 1 u

Application of the basic fundamentals of vocal tone production and technique. Open to all university students, with priority given to music majors or minors fulfilling degree requirements.

MUSC 178 CLASS VOICE II 1 u

Continuation of application of the basic fundamentals of vocal tone production and technique. Priority given to music minors.

Prereq: MUSC 177 or advanced placement by audition.

MUSC 180 PRIVATE PIANO INSTRUCTION IN THE PRIMARY PERFORMING AREA (LEVEL I) 1-4 u

Study at this level includes the review and application of fundamental techniques and the performance of solo repertoire appropriate to the first year of college study. Repeatable. Open to music majors who have passed the entrance audition in their primary area.

- MUSC 181 PRIVATE ORGAN INSTRUCTION IN THE PRIMARY PERFORMING AREA (LEVEL I)** 1-4 u
Study at this level includes the review and application of fundamental techniques and the performance of solo repertoire appropriate to the first year of college study. Repeatable. Open to music majors who have passed the entrance audition in their primary area.
- MUSC 186 BEGINNING CLASS PIANO** 1 u
Group instruction for music majors and minors who have had no previous keyboard training. Two one-hour meetings and four hours practice per week. Open to the general university student with priority given to music majors or minors fulfilling degree requirements.
- MUSC 187 CLASS PIANO** 1 u
Continuation of MUSC 186 or the equivalent. Students must audition prior to or during registration to be accepted at this level. Two one-hour meetings and four hours practice per week.
- MUSC 188 CLASS PIANO** 1 u
A continuation of MUSC 187 or the equivalent. Students must audition prior to or during registration to be accepted at this level. Two one-hour meetings and four hours practice per week.
Prereq: MUSC 187 or equivalent
- MUSC 189 FUNCTIONAL CLASS PIANO** 1 u
Continuation of MUSC 188 or the equivalent. Students must audition prior to or during registration to be accepted at this level. Applied piano or organ lessons may be taken simultaneously. Instrumental music education majors are encouraged to enroll in this course during their last term of piano study. Two one-hour meetings plus four hours of practice per week.
- MUSC 190 MUSIC IMPROVISATION** 1 u
An exploration of the basic harmonic and melodic skills necessary to compose spontaneously. Examination of melodic and chord/scale vocabularies as they relate to specific styles such as jazz, Latin jazz, blues, rock, and bluegrass.
Prereq: MUSC 151
- MUSC 240 SURVEY OF AFRICAN AMERICAN MUSIC** 3 u
This course is a survey of the African American contribution to the musical heritage of the United States. Styles discussed will include: Black musics of the 19th century, the Blues, Gospel, Jazz and popular styles from Doo Wop to Hip Hop, as well as art music by African American composers. Previous musical experience is not necessary.
Prereq: GENED 110
- MUSC 241 SURVEY OF LATIN AMERICAN MUSIC** 3 u
This course is an overview of Latin American musical styles. The course will begin with a survey of folkloric styles in Spain and across Latin America, and will move on to contemporary Latin American popular styles and art music by Latin American composers. Previous musical experience is not necessary.
Prereq: GENED 110
- MUSC 244 NATIVE AMERICAN MUSIC** *GA/Diversity* 3 u
An exploration of the musical culture of native Americans with regard to its significance in U.S. history and society of the present. Through music, ethnic similarities and differences will be studied to obtain a broad and meaningful perspective of these cultural effects.
Prereq: GENED 110.
- MUSC 245 MUSIC HISTORY I** *GA* 3 u
A survey of the history of Western music, from Antiquity to 1600. The course emphasizes music listening and style analysis of Medieval and Renaissance music, along with basis bibliographic knowledge necessary for the music student.
Prereq: GENED 110 and MUSC 151 and MUSC 152 or consent of instructor.
- MUSC 246 MUSIC HISTORY II** *GA* 3 u
A continuation of MUSC 245. A survey of the history of Western music, from 1600 to 1800. The course emphasizes music listening and style analysis of Baroque and Classical period music.
Prereq: GENED 110 and MUSC 151 and MUSC 152 or consent of instructor.
- MUSC 247 MUSIC HISTORY III** *GA* 3 u
A continuation of MUSC 246. A survey of the history of Western music, from 1800 to the present. The course emphasizes music listening and style analysis of Romantic and Contemporary music, including popular styles.
Prereq: GENED 110 and MUSC 151 and MUSC 152 or consent of instructor.
- MUSC 251 MUSIC THEORY III** 2 u
An approach to the comprehension of the basic tools of musicianship through the study of modulation and chromatic harmony.
Prereq: MUSC 152.
- MUSC 252 MUSIC THEORY IV** 2 u
A study of the tonal, melodic, and formal organization of art music since 1900. Students will examine works characterizing a diversity of compositional styles and explore appropriate methods of analysis.
Prereq: MUSC 251.
- MUSC 253 AURAL SKILLS III** 2 u
An approach to the comprehension of the basic tools of musicianship through the study of pitch and pattern work in melody, harmony and rhythm at a more advanced level than Aural Skills II.
Prereq: MUSC 152 and MUSC 154.
- MUSC 254 AURAL SKILLS IV** 2 u
An approach to the comprehension of the basic tools of musicianship through the study of pitch and pattern work in melody, harmony and rhythm at a more advanced level than Aural Skills III.
Prereq: MUSC 251 and MUSC 253.
- MUSC 260 PRIVATE INSTRUMENTAL INSTRUCTION IN THE PRIMARY PERFORMING AREA (200 LEVEL)** 1-4 u
Study at this level is a continuation of 100 Level with increased emphasis on musicianship, expansion of technical facility, and the coverage and performance of standard repertoire. Repeatable.
Prereq: Completion of two terms of 100 Level with a grade of "C" or better in each term ("B" or better for students pursuing the Performance Emphasis). Equivalent study and/or demonstrated accomplishment may be presented as an alternative.
- MUSC 265 FLUTE TECHNIQUES** .5 u
Study of flute emphasizing correct embouchure, fingering, tonguing and breathing. Varied approaches to developing technique.
Prereq: MUSC 165.
- MUSC 267 CELLO AND STRING BASS TECHNIQUES** 1 u
Study of cello and string bass emphasizing methods suitable for use in school classes.
Prereq: Music major or minor or consent of instructor.
- MUSC 268 TROMBONE, BARITONE AND TUBA TECHNIQUES** 1 u
Study of trombone, baritone and tuba emphasizing correct embouchure, breathing, articulation and fingering. Considerations given to problems related to the selection of beginning brass players.
Prereq: Music major or minor or consent of instructor.
- MUSC 269 INSTRUMENTAL ENSEMBLE** 1 u
Instrumental ensembles that are regularly offered in the spring term include Pep Band, Flute Choir, Brass Ensemble and related groups

(Horn/Trombone/Tuba-Euphonium Choirs), and Percussion Ensemble. Smaller chamber ensembles can be formed as student interest warrants. Membership is open to all university students. Repeatable. Some groups require an audition.

MUSC 270 PRIVATE VOCAL INSTRUCTION IN THE PRIMARY PERFORMING AREA (LEVEL 2) 1-4 u

A continuation of 100 Level with increased emphasis on musicianship, expansion of technical facility, and the study and performance of standard repertoire. Repeatable.

Prereq: Completion of two terms of 100 Level with a grade of "C" or better each term ("B" or better for students pursuing the Performance Emphasis). Equivalent study and/or demonstrated accomplishment may be presented as an alternative.

MUSC 271 OPERA PERFORMANCE TECHNIQUES 1 u

A study of basic techniques for the singer/actor through performance of scenes from operatic masterworks of various historical periods. Repeatable.

Prereq: Audition or consent of instructor.

MUSC 272 PRACTICUM IN MUSIC THEATRE 1 u

Participation as a singer or orchestra member in a university production. Repeatable.

Prereq: Audition or consent of instructor.

MUSC 273 OBOE TECHNIQUES .5 u

Study of oboe emphasizing correct embouchure, fingering, tonguing and breathing. Varied approaches to developing technique.

Prereq: MUSC 165.

MUSC 275 DICTION FOR SINGERS I 2 u

Language diction as applied to singing. The emphasis in this course is on Singer's English and Italian Diction.

Prereq: One term of college level private or class voice study or consent of instructor.

MUSC 276 DICTION FOR SINGERS II 2 u

Language diction as applied to singing. This course deals with Singer's German and French Diction.

Prereq: MUSC 275 and two prior terms of college level voice.

MUSC 279 VOCAL ENSEMBLE* 1 u

The study and performance of selected vocal chamber music. Ensembles include Women's Chorale, Class Act (jazz/show choir) and Gospel Choir. Repeatable. Open to all students by audition.

MUSC 280 PRIVATE PIANO INSTRUCTION IN THE PRIMARY PERFORMING AREA (LEVEL 2) 1-4 u

A continuation of 100 Level with increased emphasis on musicianship, expansion of technical facility, and the study and performance of standard repertoire. Repeatable.

Prereq: Completion of two terms of 100 Level with a grade of "C" or better in each term ("B" or better for students pursuing the Performance Emphasis). Equivalent study and/or demonstrated accomplishment may be presented as an alternative.

MUSC 281 PRIVATE ORGAN INSTRUCTION IN THE PRIMARY PERFORMING AREA (LEVEL 2) 1-4 u

A continuation of 100 Level with increased emphasis on musicianship, expansion of technical facility, and the study and performance of standard repertoire. Repeatable.

Prereq: Completion of two terms of 100 Level with a grade of "C" or better in each term ("B" or better for students pursuing the Performance Emphasis). Equivalent study and/or demonstrated accomplishment may be presented as an alternative.

MUSC 290 TECHNOLOGY FOR MUSIC EDUCATORS 2 u

Aspects of music technology essential to music educators, such as the use of music software in notation and composition, MIDI-based sequencing and sampling, digital recording and production, basic live sound techniques, and basic technology grant-writing strategies.

MUSC 292 INSTRUMENTAL TECHNIQUES 1 u

Instrumental Techniques is designed to provide vocal and keyboard majors with fundamental techniques for playing wind, string, and percussion instruments. Additionally, students in the choral and general music education emphases will gain expertise in using instruments of various musical traditions in the curriculum.

Prereq: Admission to Professional Ed

MUSC 327 PRIVATE VOCAL INSTRUCTION (NON-PRIMARY) LEVEL 2 1 u

A continuation of 100 Level with increased emphasis on technical facility and preparation of solo literature. Repeatable for a maximum of 3 units in major.

Prereq: Successful completion of four terms of 100 Level, and consent of the faculty.

MUSC 328 PRIVATE PIANO INSTRUCTION (NON-PRIMARY) LEVEL 2 1 u

A continuation of 100 Level with increased emphasis on technical facility and preparation of solo literature. Repeatable for a maximum of 3 units in major.

Prereq: Successful completion of four terms of 100 Level, and consent of the faculty.

MUSC 338 APPLIED VOICE PEDAGOGY 3 u

Functional knowledge of the singing voice and its development for children, adolescents, and adults. Instructional methods and teaching skills, and appropriate methods for teaching voice.

Prereq: Six terms of applied voice.

MUSC 339 PIANO PEDAGOGY 2 u

A critical and intensive examination of teaching materials and skills essential for teaching the piano.

Prereq: 4 terms of applied piano.

MUSC 340 MUSIC EDUCATION FOR STUDENTS WITH EXCEPTIONALITIES 2 u

This course for music education students will address the design and implementation of music programs to serve children and adolescents with exceptional educational needs. Theories of development will provide a foundation for the acquisition of strategies and instructional techniques for teaching music in inclusive educational settings. Students will apply knowledge of exceptionalities to adapt the curriculum in instrumental, choral, and general music.

Prereq: Concurrent registration in Pre-Professional Block (CIFLD 200F) is required.

MUSC 343 CHORAL LITERATURE 2 u

A survey of choral literature from the sixteenth century to the present, including the evaluation of choral works for school and church choirs and small ensembles.

Prereq: MUSC 251.

MUSC 345 WOMEN IN MUSIC 3 u

A survey of women musicians in Western European art music and twentieth-century popular musical styles. Historical, cultural, and philosophical issues surrounding the contributions of female performers, composers, conductors, patrons, teachers, musicologists, and other musical professions will be explored, as well as the portrayal of women in opera, musical theater, and music videos.

Prereq: GENED 110

MUSC 356 CONDUCTING

2 u

The technique, practice and principles of conducting. Emphasis on the development of effective hand and baton technique through drill and examples of the various meter patterns, tempi, styles, dynamics and musical terms.

Prereq: MUSC 252.

MUSC 357 CHORAL CONDUCTING

2 u

Advanced choral conducting techniques with emphasis placed on rehearsal problems and solutions as well as choral organization management.

Prereq: MUSC 356.

MUSC 358 INSTRUMENTAL CONDUCTING

2 u

Advanced conducting techniques with emphasis on both the gestural aspects of conducting and score study.

Prereq: MUSC 356.

**MUSC 360 PRIVATE INSTRUMENTAL INSTRUCTION 1-4 u
IN THE PRIMARY PERFORMING AREA (LEVEL 3)**

A continuation of 200 Level with increased emphasis on technical facility and preparation of solo literature. Repeatable.

Prereq: Completion of two terms of 200 Level with grade of "B" or better and consent of faculty.

MUSC 362 STRING INSTRUMENT TECHNIQUES

3 u

Students will learn fundamentals of both right and left hand technique including tone production, various bowing styles, intonation, shifting, and vibrato. Students will also learn pedagogical strategies for teaching string instruments in school settings.

Prereq: Music major

MUSC 363 WOODWIND TECHNIQUES I

2 u

Woodwind Techniques I provides music education students seeking licensure, functional instruction on non-primary woodwind instruments. The course emphasizes the development of pedagogical and performance skills relative to clarinet and flute and diagnose and solve the problems of embouchure, breathing, posture, tone production, hand position, technique, and basic musicianship.

Prereq: MUSC 252

MUSC 364 WOODWIND TECHNIQUES II

2 u

Woodwind Techniques II provides music education students seeking licensure, functional instruction on non-primary woodwind instruments. The course emphasizes the development of pedagogical and performance skills relative to oboe, bassoon and saxophone. The student will demonstrate a functional performance level on the oboe, bassoon and saxophone, and diagnose and solve the problems of embouchure, breathing, posture, tone production, hand position, technique, and basic musicianship.

Prereq: MUSC 363

MUSC 365 SAXOPHONE AND BASSOON TECHNIQUES 1 u

Study of saxophone and bassoon emphasizing correct embouchure, fingering, tonguing and breathing. Varied approaches to developing technique.

Prereq: MUSC 165.

MUSC 366 BRASS INSTRUMENT TECHNIQUES

3 u

Study of brass instrument pedagogical and performance skills to help prepare instrumental music education majors to teach brass instruments to beginning and intermediate students, and to support more advanced students with a knowledge of pedagogical and performance practices, related materials, and equipment.

Prereq: Music major or consent of instructor.

MUSC 368 PERCUSSION TECHNIQUES

2 u

Study of snare drum, timpani, keyboard percussion, drum set and other percussion instruments. Consideration given to the problems of the beginning percussionist. Repeatable.

Prereq: Music major or minor or consent of instructor.

**MUSC 370 PRIVATE VOCAL INSTRUCTION IN
THE PRIMARY PERFORMING AREA (LEVEL 3)**

1-4 u

A continuation of 200 Level with increased emphasis on technical facility and preparation of solo literature. Performance majors will give a twenty-minute recital. Repeatable.

Prereq: Completion of two terms of 200 Level with grade of "B" or better and consent of faculty.

**MUSC 380 PRIVATE PIANO INSTRUCTION IN
THE PRIMARY PERFORMING AREA (LEVEL 3)**

1-4 u

A continuation of 200 Level with increased emphasis on technical facility and preparation of solo literature. Repeatable.

Prereq: Completion of two terms of 200 Level with grade of "B" or better and consent of faculty.

**MUSC 381 PRIVATE ORGAN INSTRUCTION IN
THE PRIMARY PERFORMING AREA (LEVEL 3)**

1-4 u

A continuation of 200 Level with increased emphasis on technical facility and preparation of solo literature. Repeatable.

Prereq: Completion of two terms of 200 Level with grade of "B" or better and consent of faculty.

MUSC 383 CHAMBER MUSIC

1 u

Rehearsal and performance of music for diverse small ensembles. Repeatable. Unit for MUSC 383 will not be given for work undertaken as part of any applied lesson course work or for Senior Recital MUSC 488 or MUSC 489.

Prereq: consent of instructor.

MUSC 422/622 ASSESSMENT OF MUSIC LEARNING

2 u

Students will investigate theories and techniques for assessing musical behaviors such as performance, creation, analysis, and reflection. The development of teacher-designed assessment strategies and the use of standardized tests for the measurement of musical aptitude and achievement will be addressed. The course will also focus on evaluation and reporting of student achievement in music classrooms and rehearsal settings.

Prereq: Admission to Professional Education is required.

MUSC 438/638 MEDIEVAL MUSIC

2 u

Musical trends from c. 500-1400, the development of Western European musical style from Antiquity to the Renaissance. Analysis of representative works.

Prereq: MUSC 245, MUSC 246 and MUSC 247.

MUSC 439/639 THE HISTORY OF JAZZ

2 u

The history of jazz examines the medium through historical writings and listening analyses. The course encompasses jazz history from the earliest influences to the current state of jazz.

Prereq: MUSC 247 and MUSC 252 or consent of instructor.

**MUSC 440/640 THE HISTORY AND LITERATURE
OF THE WIND BAND AND WIND ENSEMBLE**

2 u

The history and literature of the wind band and wind ensemble will be examined through historical documentation and literature analysis. The course will encompass ancient and Medieval wind music through the 20th century.

Prereq: MUSC 247 and MUSC 252 or consent of instructor.

**MUSC 443 LITERATURE AND PEDAGOGY OF THE
MAJOR PERFORMING AREA**

2 u

Designed to acquaint the student with the literature and pedagogy of his/her major performance medium through performance, recordings, analysis and examination of pedagogical materials and techniques. Criteria for evaluating the aesthetic worth of specific compositions are given special emphasis. Repeatable.

Prereq: Two years of study in principal performance area.

MUSC 445/645 RENAISSANCE MUSIC 2 u
Musical trends from c. 1400-1600, the development of Western European musical style through the Renaissance. Analysis of representative works. Prereq: MUSC 245, MUSC 246 and MUSC 247 or consent of instructor.

MUSC 447/647 MUSIC OF THE CLASSICAL PERIOD 2 u
Musical trends from C. 1720-1830, the development of Western European musical style from the mid-18th century through Haydn, Mozart and Beethoven. Analysis of representative works.

MUSC 448/648 MUSIC OF THE ROMANTIC PERIOD 2 u
Musical trends from c. 1800-1910; the development of Western European musical style during the 19th century. Analysis of representative works.

MUSC 450 SURVEY OF WORLD MUSICS 3 u
Provides a basic introduction to ethnomusicological methods and problems, surveys several non-Western musical cultures. Students will analyze representative works and conduct independent research on a pertinent topic. Prereq: MUSC 245 AND MUSC 246 AND MUSC 247

MUSC 452 MIDI TECHNIQUES 2 u
A study of Musical Instrument Digital Interface sequencing technology. Students will use the UW-W MIDI Lab's computer, synthesizer, digital recording and sound processing equipment, and sequencing software. A final recording project will incorporate both live and digital sound sources. Prereq: MUSC 152 or consent of instructor.

MUSC 453 ARRANGING 2 u
A study of orchestration, band scoring, and writing for smaller instrumental ensembles, emphasizing fluency in score reading and transpositions. Students will also be presented with an introduction to basic choral arranging principles. Prereq: MUSC 252 and MUSC 254.

MUSC 454/654 COUNTERPOINT 2 u
A study of contrapuntal technique, centering on the 18th century style. The fugue, passacaglia, and other forms are analyzed. Students will complete projects in two and three voices. Prereq: MUSC 252.

MUSC 455/655 FORM AND ANALYSIS 2 u
A study of the basic structural components employed in traditional long forms. Analysis, centered on the Classical period, will also include works of other eras. Prereq: MUSC 252 and MUSC 254.

MUSC 457 MUSIC COMPOSITION 2 u
Creative writing in various idioms, utilizing both harmonic and contrapuntal techniques. Repeatable with consent of instructor. Prereq: MUSC 252 or consent of instructor.

MUSC 458/658 JAZZ IMPROVISATION 1 u
The study and practice of jazz improvisation. Study of the fundamentals of jazz music theory and nomenclature. Listening to, and transcribing historic jazz solos. Performance of modal jazz and 12 bar blues. Prereq: MUSC 152 and audition or consent of instructor.

MUSC 459/659 JAZZ ARRANGING AND COMPOSITION 2 u
An in-depth study of the formats and techniques involved in arranging and composing for the jazz small group (4 horns and rhythm section). A complete AABA song form arrangement for jazz small group will be required, performed and recorded. Prereq: MUSC 251 or consent of instructor.

**MUSC 460 PRIVATE INSTRUMENTAL INSTRUCTION 1-4 u
IN THE PRIMARY PERFORMING AREA (LEVEL 4)**
A continuation of 300 Level, the primary objective being the preparation and presentation of a senior recital. Repeatable. Prereq: Completion of two terms of 300 Level with a grade of "B" or better.

MUSC 461/661 ADVANCED JAZZ IMPROVISATION 1 u
Continued study and practice of jazz improvisation. Study of more advanced concepts in jazz music theory. Listening to and transcribing historic jazz solos. Performance of 12 bar blues, minor blues, "rhythm changes", and jazz standards. Prereq: MUSC 458/658 or consent of instructor.

MUSC 463/663 MUSIC AFTER 1900 2 u
Musical trends from c. 1900 to the present, the development of Western European musical style from Impressionism to Post-Modernism. Analysis of representative works. Prereq: MUSC 245, MUSC 246 and MUSC 247.

MUSC 467/667 JAZZ PEDAGOGY I 1 u
An intensive study of the methodologies for teaching jazz. Focus areas include jazz history, jazz theory, jazz improvisation, and jazz program resources. Prereq: MUSC 252 or consent of instructor.

MUSC 468/668 MARCHING BAND TECHNIQUES 1 u
An intensive study of numerous pedagogical and administrative methods necessary to create an educational marching band experience. Topics include fundamentals of drill design, music selection, comprehensive show planning, teaching methodologies, auxiliary groups, and marching percussion. Prereq: MUSC 252 or consent of instructor.

MUSC 469/669 JAZZ PEDAGOGY II 1 u
Experience with the organization, performance, and directing of both the large and small jazz ensembles. This will be facilitated through a student big band and multiple small groups that will include class members on major or secondary instruments. Volunteer students will cover positions not available in the class enrollment to achieve complete instrumentation in all of the ensembles.

**MUSC 470 PRIVATE VOCAL INSTRUCTION IN
THE PRIMARY PERFORMING AREA (LEVEL 4)** 1-4 u
A continuation of 300 Level, the primary objective being the preparation and presentation of a senior recital. Repeatable. Prereq: Completion of two terms of 300 Level with a grade of "B" or better.

MUSC 479 ADVANCED JAZZ ARRANGING 2 u
An in-depth study of the formats and techniques involved in arranging and composing for the jazz big band (4 trumpets, 4 trombones, 5 saxophones, piano, guitar, bass, and drums). A complete arrangement for modern jazz big band will be required, performed and recorded.

**MUSC 480 PRIVATE PIANO INSTRUCTION IN
THE PRIMARY PERFORMING AREA (LEVEL 4)** 1-4 u
A continuation of 300 Level, the primary objective being the preparation and presentation of a senior recital. Repeatable. Prereq: Completion of two terms of 300 Level with a grade of "B" or better.

**MUSC 481 PRIVATE ORGAN INSTRUCTION IN
THE PRIMARY PERFORMING AREA (LEVEL 4)** 1-4 u
A continuation of 300 Level, the primary objective being the preparation and presentation of a senior recital. Repeatable. Prereq: Completion of two terms of 300 Level with a grade of "B" or better.

MUSC 482 VOCAL AND INSTRUMENTAL ACCOMPANYING 1 u

A study of principles of vocal and instrumental accompanying. Practical accompaniment projects carried out under supervision. Repeatable four times for major/degree. Prereq: Consent of instructor.

MUSC 488 SENIOR RECITAL 1 u

Prerequisite: Two terms of private instruction in the Primary Performing Area at 300 Level. The student should enroll for this course in the term in which he/she intends to present the senior recital. The main objective is the preparation of at least 20 minutes of music and its performance on a public recital. One unit of Level 400 instruction in the Primary Performing Area may be elected concurrently.

MUSC 489 SENIOR RECITAL (PERFORMANCE) 1 u

Prerequisite: Two terms of private instruction in the Primary Performing Area at 300 Level. The student should enroll for this course in the term in which he/she intends to present the senior recital. The main objective is the preparation of at least 45 minutes of music and its performance on a public recital. Two or three units of Level 400 instruction in the Primary Performing Area should be elected concurrently.

MUSC 490/690 MUSIC WORKSHOP Repeatable 1-6 u**MUSC 491 TRAVEL STUDY Repeatable 1-3 u****MUSC 496/696 SPECIAL STUDIES Repeatable 1-4 u****MUSC 497 EXCHANGE STUDY Repeatable 1-12 u****MUSC 498 INDEPENDENT STUDY 1-4 u**

Repeatable. Prereq: Consent of the interested staff member and the department chairperson. (Open to juniors and seniors majoring or minoring in music.)

DEPARTMENT OF THEATRE/DANCE

Phone: 262-472-1566 E-Mail: hurstadl@umw.edu

Faculty: Marshall Anderson, James Butchart, Steven Chene, Thomas Colwin, Charles Grover, Barbara Grubel, Sarah Hoekman, Linda Hurstad (Chairperson), Angela Iannone, Megan Matthews, Robin Pettersen, Sylvia Zweifel.

The creation of successful theatrical productions requires the knowledge, skills and talents of a number of artists, technicians and management/promotion specialists. With its outstanding, well-equipped theatre facilities, its highly-skilled and enthusiastic faculty, its comprehensive curriculum and its emphasis on practical experience, the UW-Whitewater Theatre/Dance department will provide you a number of opportunities to acquire the knowledge and experience necessary for a successful career in theatre/dance, or related areas of the arts, communications, education or business.

The department offers three degree programs: the Bachelor of Science in Theatre Education, the Bachelor of Arts in Theatre Art and the Bachelor of Fine Arts in Theatre.

The Bachelor of Science in Theatre Education program provides future teachers with a broad-based theatre education while providing additional training in the areas of theatre most critical to success in their future profession. In addition, Theatre Education majors follow the Education track which will fulfill teaching licensure requirements.

The Bachelor of Arts in Theatre is a liberal arts degree which offers the opportunity for broad-based exposure to all areas of theatre. The curriculum includes studies in acting, directing, technology, design, history/criticism, and management/promotion.

The Bachelor of Fine Arts in Theatre is a pre-professional degree program. It offers a broad-based core of theatre studies along with an individually designed course of study which focuses on a specific area of emphasis. Students in this program choose an emphasis course of study for intensive training in Performance, Design/Technology or Management/Promotion. The B.F.A. program does not require a minor, but admission and retention are based on acceptable auditions or portfolios and minimum GPA requirements.

Each program is geared toward your particular creative potentials and career aspirations.

Minor programs are also offered in theatre and dance. The dance minor provides in-depth training in contemporary (Modern) Ballet and Tap technique. The creative processes of Improvisation and choreography are studied, and students have opportunities to perform for the public each term. These programs are particularly appealing to students who are seeking an outlet for their creativity or who want to enhance their communication and practical problem-solving abilities. Theatre or dance minors can provide an effective complement for a number of different major programs in liberal arts, education or business.

All students of the University, regardless of their major or minor, are encouraged to participate in theatre and dance productions as a performer or as a member of the numerous technical crews or one of the management/promotion positions which are involved in the preparation of a theatre event for an audience. Anyone interested is encouraged to come to the Theatre/Dance office in 2076 Center of the Arts.

MAJORS/EMPHASES

Practicum Unit: May be earned in THEATRE 201, THEATRE 202, THEATRE 203, THEATRE 204, THEATRE 205, THEATRE 206, THEATRE 207, THEATRE 208, THEATRE 209, THEATRE 210, THEATRE 300, THEATRE 301, THEATRE 302, THEATRE 304, THEATRE 305, THEATRE 306, THEATRE 308, THEATRE 309, THEATRE 312. A maximum of six 200-level practicum units and a maximum of eight 300-level practicum units will be accepted toward graduation. No more than 7 of these units will count toward the aggregate requirement of 42 units necessary for the B.A. in Theatre.

THEATRE (BA)**MAJOR - 42 UNITS**

1. THEATRE 110, THEATRE 120, THEATRE 225 AND THEATRE 251
2. SELECT 1 UNIT FROM COURSE THEATRE 204
3. SELECT 1 UNIT FROM COURSE THEATRE 206
4. SELECT 2 UNITS FROM AT LEAST 2 COURSES
THEATRE 201, THEATRE 202, THEATRE 203, THEATRE 205, THEATRE 207, THEATRE 208, THEATRE 209 AND THEATRE 210
5. SELECT 12 UNITS FROM COURSES
THEATRE 346, THEATRE 369, THEATRE 471, THEATRE 472 AND THEATRE 478
6. THEATRE 332
7. SELECT 3 - 4 UNITS FROM 1 OPTION
 - a. THEATRE 242 AND DANCE 141
 - b. THEATRE 252
 - c. THEATRE 207 or THEATRE 361 or THEATRE 362
8. SELECT 5-6 UNITS OF THEATRE/DANCE ELECTIVES, DEPENDING UPON THE OPTION USED IN #8.

UNITS OUTSIDE 1ST MAJOR - THEATRE - 70 UNITS

1. SELECT A MINIMUM OF 70 UNITS OUTSIDE THE

1ST MAJOR RLS

WRITING REQUIREMENT:

GRADE OF B OR BETTER IN THE WRITING PORTION OF ONE OF THEATRE HISTORY/LIT COURSES THEATRE 346, THEATRE 471, THEATRE 472 OR THEATRE 478.

AN APPROVED MINOR IS REQUIRED FOR THIS MAJOR

THEATRE BFA PERFORMANCE EMPHASIS

MAJOR - 78 UNITS

1. THEATRE 110, THEATRE 120, THEATRE 225, THEATRE 251 AND THEATRE 252
2. SELECT 1 UNIT FROM COURSE THEATRE 204
3. SELECT 1 UNIT FROM COURSE THEATRE 206
4. THEATRE 242 AND THEATRE 332
5. SELECT 12 UNITS FROM HISTORY/LIT COURSES THEATRE 346, THEATRE 369, THEATRE 471, THEATRE 472 AND THEATRE 478
6. THEATRE 230, THEATRE 328 AND THEATRE 325
7. THEATRE 220, THEATRE 320 AND THEATRE 422
8. THEATRE 215
9. DANCE 141
10. SELECT 6 UNITS FROM PRACTICUM COURSES THEATRE 201, THEATRE 202, THEATRE 209, THEATRE 210, THEATRE 300, THEATRE 301 AND THEATRE 312
11. THEATRE 499
12. IN CONSULTATION WITH ADVISER SELECT 10 UNITS FROM COURSES THEATRE 230, SPEECH 234, SPEECH 238, SPEECH 244, SPEECH 331, SPEECH 230, SPEECH 231, SPEECH 332, MUSC 177, MUSC 178, PEGNRL 115, DANCE 243, DANCE 244, DANCE 330, DANCE 348, LANGUAGES AND LITERATURES - ENGLISH 404, ENGLISH 405 OR OTHER COURSES APPROVED BY THE DEPARTMENT

WRITING REQUIREMENT:

GRADE OF B OR BETTER IN THE WRITING PORTION OF ONE OF THEATRE HISTORY/LIT COURSES THEATRE 346, THEATRE 471, THEATRE 472 OR THEATRE 478.

THEATRE BFA DESIGN/TECHNOLOGY EMPHASIS

MAJOR - 78 UNITS

1. THEATRE 110, THEATRE 120, THEATRE 225, THEATRE 251 AND THEATRE 252
2. SELECT 1 UNIT FROM COURSE THEATRE 204
3. SELECT 1 UNIT FROM COURSE THEATRE 206
4. THEATRE 242 AND THEATRE 332
5. SELECT 12 UNITS FROM HISTORY/LIT COURSES THEATRE 346, THEATRE 369, THEATRE 471, THEATRE 472 AND THEATRE 478
6. THEATRE 345 AND THEATRE 454
7. THEATRE 343 OR THEATRE 354
8. TWO TERMS OF THEATRE 460
9. SELECT 6 UNITS FROM PRACTICUM COURSES THEATRE 203, THEATRE 205, THEATRE 208, THEATRE 209, THEATRE 300, THEATRE 302, THEATRE 304, THEATRE 305, THEATRE 306 AND THEATRE 308
10. THEATRE 499
11. IN CONSULTATION WITH ADVISER SELECT 18 UNITS FROM COURSES THEATRE 320, THEATRE 343, THEATRE

354, THEATRE 433, THEATRE 460, ART HIST COURSES, ARTSTUDIO 102, ARTSTUDIO 103, ARTSTUDIO 201, ARTSTUDIO 202, ARTSTUDIO 321, OR OTHER COURSES APPROVED BY DEPARTMENT

WRITING REQUIREMENT:

GRADE OF B OR BETTER IN THE WRITING PORTION OF ONE OF THEATRE HISTORY/LIT COURSES THEATRE 346, THEATRE 471, THEATRE 472 OR THEATRE 478.

THEATRE BFA MANAGEMENT/PROMOTION EMPHASIS

MAJOR - 78 UNITS

1. THEATRE 110, THEATRE 120, THEATRE 225, THEATRE 251 AND THEATRE 252
2. SELECT 1 UNIT FROM COURSE THEATRE 204
3. SELECT 1 UNIT FROM COURSE THEATRE 206
4. THEATRE 242 AND THEATRE 332
5. SELECT 12 UNITS FROM HISTORY/LIT COURSES THEATRE 346, THEATRE 369, THEATRE 471, THEATRE 472 AND THEATRE 478
6. THEATRE 361, THEATRE 362, THEATRE 363, THEATRE 364 AND MARKETNG 311
7. SELECT 1 UNIT FROM COURSE THEATRE 202
8. SPEECH 202 AND SPEECH 203
9. SELECT 3 UNITS FROM COURSES THEATRE 207 AND THEATRE 309
10. THEATRE 499
11. ACCOUNT 244 AND MANGEMNT 301
12. IN CONSULTATION WITH ADVISER SELECT 12 UNITS FROM COURSES THEATRE 300, THEATRE 302, THEATRE 493, ARTSTUDIO 180, MANGEMNT 211, MANGEMNT 320, MANGEMNT 385, JOURNLSM 220, JOURNLSM 245, JOURNLSM 303, JOURNLSM 320, JOURNLSM 321, SPEECH 204, SPEECH 240, SPEECH 242, OR OTHER COURSES APPROVED BY THE DEPARTMENT

WRITING REQUIREMENT:

GRADE OF B OR BETTER IN THE WRITING PORTION OF ONE OF THEATRE HISTORY/LIT COURSES THEATRE 346, THEATRE 471, THEATRE 472 OR THEATRE 478.

THEATRE BFA STAGE MANAGEMENT EMPHASIS

MAJOR - 42 UNITS

1. THEATRE 260, THEATRE 345, THEATRE 354, THEATRE 433, THEATRE 454, THEATRE 460
2. SELECT 6 UNITS FROM COURSES THEATRE 203, THEATRE 205, THEATRE 208, THEATRE 300, THEATRE 302, THEATRE 304, THEATRE 305, THEATRE 306, THEATRE 308 OR OTHERS BY DEPARTMENTAL APPROVAL
3. THEATRE 499
4. IN CONSULTATION WITH ADVISOR, SELECT 15 UNITS FROM COURSES THEATRE 320, THEATRE 328, MUSC 150, SPEECH 228, SPEECH 239, SPEECH 242 OR OTHER COURSES APPROVED BY THE DEPARTMENT

Note: Each student in the BFA option designs a program in consultation with an adviser. Courses appropriate to the student's needs and area of emphasis may be selected from any department in the university. The

program must include a 3-unit Production Project (THEATRE 499) in the area of emphasis. The entire program must be planned and presented to the department for approval before the end of the student's sophomore year. A 2.75 grade point is required in the approved program for graduation.

THEATRE (BSE)

The student must meet the requirements for admission to the College of Education and Directed Teaching. The student is strongly urged to consult with an adviser and the Theatre supervisor of Directed Teaching during the first year on campus for assistance in planning a coordinated program. The student may earn a Bachelor of Arts with a major in Theatre and licensure for teaching by fulfilling the requirements for the Bachelor of Arts (major in Theatre) and the Bachelor of Science in Education (major in Theatre Education).

LICENSURE - 35 UNITS

1. EDFOUND 212 AND EDFOUND 425
2. EDFOUND 243 OR EDFOUND 445
3. SECNDED 434 AND SECNDED 466
4. SELECT 2 UNITS FROM CIFLD 210
5. SELECT 12 UNITS FROM CIFLD 414
6. SELECT 3 UNITS FROM COURSE CIFLD 492
7. SELECT 3 UNITS FROM SPECED 205

MAJOR - 42 UNITS

1. THEATRE 110, THEATRE 120, THEATRE 225, THEATRE 242, THEATRE 251, THEATRE 252, THEATRE 332 AND THEATRE 433
2. SELECT 6 UNITS FROM COURSES THEATRE 346, THEATRE 369, THEATRE 471, THEATRE 472, THEATRE 478
3. THEATRE 204
4. THEATRE 206
5. SELECT 2 UNITS FROM AT LEAST 2 COURSES THEATRE 201, THEATRE 202, THEATRE 203, THEATRE 205, THEATRE 207, THEATRE 208 AND THEATRE 209
6. SELECT 7 ELECTIVE THEATRE/DANCE UNITS (ADDITIONAL COURSES IN DESIGN AND TECHNICAL THEATRE ARE RECOMMENDED)

WRITING PROFICIENCY:

GRADE OF B OR BETTER IN THE WRITING PORTION OF ONE THEATRE HISTORY/LIT COURSES THEATRE 346, THEATRE 471, THEATRE 472 OR THEATRE 478 OR ENGLISH 271 (IF ENGLISH IS SECOND MAJOR)

AN APPROVED MINOR IS REQUIRED FOR THIS MAJOR

MINOR/EMPHASIS

THEATRE

MINOR - 24 UNITS

1. THEATRE 110, THEATRE 120, THEATRE 251 AND THEATRE 332
2. SELECT 3 UNITS FROM 1 THEATRE HISTORY COURSE THEATRE 346, THEATRE 369, THEATRE 471, THEATRE 472 AND THEATRE 478
3. SELECT .5 UNITS FROM COURSE THEATRE 204
4. SELECT .5 UNITS FROM COURSE THEATRE 206
5. SELECT 6 UNITS FROM OTHER THEATRE/DANCE COURSES

THEATRE - ELEMENTARY/SECONDARY

MINOR - 24 UNITS

1. THEATRE 110, THEATRE 120 AND THEATRE 251
2. THEATRE 332 AND THEATRE 325
3. SELECT .5 UNITS FROM COURSE THEATRE 204
4. SELECT .5 UNITS FROM COURSE THEATRE 206
5. SELECT 6 UNITS FROM OTHER THEATRE/DANCE COURSE

COURSE DESCRIPTIONS

(*Scheduling of offerings is subject to change. When not indicated otherwise, offerings are every term.)

THEATRE

THEATRE 100 THEATRE APPRECIATION GA 2 u
Designed to provide non-theatre majors with a background in theatre which will enrich their theatrical experiences and provide them with a basis for evaluating theatre productions. Fulfills General Studies requirements but does not apply toward major or minor in the department. Offered each fall*. Unreq: THEATRE 110.

THEATRE 110 INTRODUCTION TO THE THEATRE GA 4 u
An examination of the fundamental theories and practices of theatre art. A survey of the major styles of theatre. Forty hours of participation in technical theatre (primarily in stagecraft and costuming) are required. Offered each fall*. Unreq: THEATRE 100.

THEATRE 120 INTRODUCTION TO ACTING 3 u
A study of basic principles and techniques of acting, including physical and vocal control and basic approaches to characterization. Prereq: THEATRE 100 or THEATRE 110 (or con reg) and Theatre major/minor or cons inst. Offered Fall '03, Spring '04, Fall '04, Fall '05, Fall '06, Spring '06*.

THEATRE 200 THEATRE ACTIVITIES GA 1-2 u
Recommended for the student who has an avocational interest in theatre and/or who wishes to experience the various aspects of theatre production as a breadth elective in the arts. Students may choose involvement in one or more areas of department-produced or student-produced plays, including acting, house management and promotional, scenery and costume construction, lighting, sound, and production crews. 40 hours of participation are required per unit. Not open to Theatre majors or minors. Repeatable. Repeat enrollments will be in other interest areas. Prereq: GENED 110 or THEATRE 100 or THEATRE 110.

THEATRE 201 PRACTICUM - ACTING .5-2 u
Participation as an actor in a University Theatre production. Students are expected to assist in costume and scenery construction. In general, 40 hours of participation per half unit of practicum are expected. Repeatable. Prereq: Audition and cast in role.

THEATRE 202 PRACTICUM - DIRECTING .5-2 u
Participation as an Assistant Director, Production Stage Manager, Assistant Stage Manager or Dramaturg in a department-approved production. 40 hours of participation per half unit is required. Repeatable. Prereq: Department approval.

THEATRE 203 PRACTICUM - SOUND .5-2 u
Participation in department-approved productions as Sound Operator and/or Sound Designer/Engineer for productions requiring basic sound. 40 hours of participation per half unit is required. Repeatable. Prereq: Department approval.

THEATRE 204 PRACTICUM - STAGECRAFT .5-2 u
Participation in set construction and painting on department-approved productions. Departmental approval is required to work on Performance Crew, Properties or as Assistant Scenic Designer. 40 hours of participation per half unit is required. Theatre majors must take at least .5 units in set construction and painting. Repeatable.
Prereq: Department approval for some sections.

THEATRE 205 PRACTICUM - LIGHTING .5-2 u
Participation in the hanging and focusing of lights for department-approved productions. Departmental approval is required to register for Assistant Lighting Designer, Master Electrician, or Light Operator. 40 hours of participation per half unit is required. Repeatable.
Prereq: Departmental approval for some sections.

THEATRE 206 PRACTICUM - COSTUMING .5-2 u
Participation in the construction of costumes for department-approved productions. Departmental approval is required to register for Assistant Costume Designer or Performance Crew. 40 hours of participation per half unit is required. Theatre majors must take at least .5 u in costume construction. Repeatable.
Prereq: Department approval for some sections.

THEATRE 207 PRACTICUM - THEATRE MANAGEMENT/PUBLICITY .5-2 u
Participation in house management, ticket office management or publicity and promotion for department-approved productions. 40 hours of participation per half unit is required. Repeatable.
Prereq: Department approval.

THEATRE 208 PRACTICUM - MAKE-UP .5-2 u
Participation as Makeup Designer and/or on Performance Crew for department-approved productions. 40 hours of participation per half unit is required. Repeatable.
Prereq: Department approval.

THEATRE 209 PRACTICUM - THEATRE TOUR .5-2 u
Participation in one of the University Theatre productions designed for touring, including Children's Theatre and high school tours. Students involved in this activity are expected to participate in the shifting and setting up of scenery and lights, to contribute to the care and maintenance of costumes and to work with makeup, sound and properties in addition to their assignments as actors or technicians. In general, 40 hours of participation per half unit of the practicum are expected. Repeatable. Offered each fall*.
Prereq: Audition and cast in role.

THEATRE 210 LABORATORY IN PLAYWRITING/ THEATRE CRITICISM 1-2 u
Practical experience in writing plays, from scenario to final production, or in writing theatre criticism. Repeatable if an approved one-act play is in progress.
Prereq: Cons instr.

THEATRE 215 AUDITIONING 3 u
This is a lecture/laboratory course which offers training in resume preparation, in preparing for an audition, and in presenting audition material. Offered Fall '05, Spring '07*. Repeatable up to 6 units in major/degree.
Prereq: THEATRE 120 or consent of instructor.

THEATRE 220 ACTING: ANALYSIS AND PERFORMANCE 3 u
A study of techniques of character analysis and development which seeks to explore and integrate the internal and external aspects of acting in order to develop a dynamic approach to the actor's craft. Offered Fall '04, Fall '06*.
Prereq: THEATRE 120 or consent of instructor.

THEATRE 225 SCRIPT ANALYSIS 3 u
A study of the basic elements of drama and how these elements combine to create a play. Particular emphasis will be placed on how to discover a valid interpretation of the playwright's intentions and transfer that interpretation to the stage. Required for all Theatre majors. Offered Spring '04, Spring '05, Spring '06, Spring '07*.
Prereq: THEATRE 110

THEATRE 230 MOVEMENT FOR THE ACTOR 3 u
Movement for the Actor is a course designed to develop the physical performance ability of acting students. Body alignment will be explored in relation to movement dynamic and the search for a neutral base. A personal physical warm-up will be established for each student. Range of performance energy will be explored as well as the development of character through movement. Repeatable two times for a maximum of 6 units in major/degree. Offered Spring '04, Fall '06*.
Prereq: THEATRE 120 or consent of instructor.

THEATRE 242 STAGE MAKE-UP 2 u
Lecture-demonstrations and laboratory experience in the basic theories and techniques relative to the design and application of stage make-up. Offered Fall '04, Fall '05, Fall '06*.

THEATRE 251 INTRODUCTION TO TECHNICAL THEATRE 4 u
Fundamentals of the technical aspects of scenery, costumes, and lighting for theatre and dance. Examination of the mechanical principles and techniques used in scenery, costuming, and lighting, stressing practical "hands-on" experiences. A minimum of 32 hours shop participation is required. Offered each spring*.
Prereq: THEATRE 100 or THEATRE ARTSTUDIO or cons. inst.

THEATRE 252 INTRODUCTION TO THEATRICAL DESIGN 3 u
An examination of the basic principles of scenic, costume and lighting design for the theatre. Topics covered include the design process, research, elements of design and practical considerations. Studio labs include instruction and practice in sketching, drafting and rendering. Offered each fall*.
Prereq: THEATRE 251 or consent of instructor.

THEATRE 260 PRODUCTION STAGE MANAGEMENT 3 u
Production Stage Management explores the processes of stage and fiscal management for Theatre. The first part of the course covers the various duties and responsibilities of the Stage Manager. The course then explores the processes required by Production Stage Managers to oversee the personnel and fiscal operations during production. Offered Spring '05, Spring '07*.
Prereq: THEATRE 110

THEATRE 300/500 SUMMER THEATRE PRODUCTION 1-6 u
This course is designed for qualified students to participate in the performance, management, costume and set construction, lighting, and sound operation of on-campus summer theatre productions. Offered summers only*. Repeatable for a maximum of 6 units in degree.
Prereq: Audition or interview and consent of department.

THEATRE 301 PRODUCTION PRACTICUM - ACTING 2 u
Acting a major role in a University Theatre/Dance Department production. Eligible roles are designated by the department prior to auditions. Repeatable four times for a maximum of 8 units in major/degree.
Prereq: Consent of the department and completion of 200-level acting practicum for at least a half-unit.

THEATRE 302 PRODUCTION PRACTICUM - STAGE MANAGER 2 u
Participation as Stage Manager in all production conferences, auditions, rehearsals and performances of a University Theatre-affiliated production. Repeatable four times for a maximum of 8 units in major/degree.
Prereq: Consent of department.

THEATRE 304 PRODUCTION PRACTICUM - SCENERY 2 u
Participation as Scene Designer or Technical Director in all research, production conferences, planning, painting and technical rehearsals for a University Theatre-affiliated production. Repeatable four times for a maximum of 8 units in major/degree.
Prereq: Consent of department.

THEATRE 305 PRODUCTION PRACTICUM - LIGHTING 2 u
Participation as Lighting Designer in all research, production conferences, planning, focusing and technical rehearsals for a University Theatre-affiliated production. Repeatable four times for a maximum of 8 units in major/degree.
Prereq: Consent of department.

THEATRE 306 PRODUCTION PRACTICUM - COSTUMES 2 u
Participation as Costume Designer and/or Costume Cutter/Technician in all production conferences, design meetings, pre-construction and construction work, and dress rehearsals of a University Theatre-affiliated production. Repeatable four times for a maximum of 8 units in major/degree.
Prereq: Consent of department.

THEATRE 308 PRODUCTION PRACTICUM - SOUND 2 u
Participation as Senior Sound Designer in all production conferences, recording, engineering, rehearsals and performances of a University Theatre-affiliated production. Repeatable four times for a maximum of 8 units in major/degree.
Prereq: Consent of department.

THEATRE 309 PRODUCTION PRACTICUM - THEATRE MANAGEMENT 2 u
Participation as Ticket Office, Front of House or Promotions/Publicity Manager for a minimum of three consecutive productions of the Theatre/Dance Department in a single term. Repeatable four times for a maximum of 8 units in major/degree.
Prereq: Consent of department.

THEATRE 312 PRODUCTION PRACTICUM - DIRECTING 2 u
Participation as a Director of a production approved by the department with responsibilities to include pre-production research and script preparation, supervision of production conferences and rehearsals, and presentation of a public production. Repeatable four times for a maximum of 8 units in major/degree.
Prereq: THEATRE 332 and THEATRE 433 and consent of department.

THEATRE 320 ACTING: PROBLEMS OF STYLE 3 u
Theories and techniques of character analysis and of acting in several theatrical periods, e.g., Classical, Elizabethan and Restoration. Offered Fall '03, Fall '05*.
Prereq: THEATRE 120 or cons instr.

THEATRE 325/525 IMPROVISATIONAL DRAMA 3 u
A study of the techniques of non-scripted drama, including theatre games, improvised scenes, creative drama and story dramatization. Implications and uses of non-scripted drama for education and performance are explored through lectures, demonstrations and group participation. Offered Spring '04, Spring '06*.

THEATRE 328/528 VOCAL PRODUCTION AND STAGE SPEECH 3 u
A study of vocal production and vocal techniques for the actor. Emphasis on the fundamentals of freeing the actor's voice: breathing, relaxation, resonance, articulation, variety and projection. Repeatable two times for a maximum of 6 units in major/degree. Offered Fall '04, Spring '06
Prereq: THEATRE 120 or consent of instructor.

THEATRE 332 DIRECTING I 3 u
Study and application of techniques useful in selection, interpretation and staging the play in a proscenium setting. Offered Fall '04, Spring '05, Fall '05, Fall '06, Spring '07*.
Prereq: THEATRE 120 and THEATRE 251 or consent of instructor.

THEATRE 343/543 THEATRICAL COSTUMING 3 u
A lecture/laboratory course to study and practice the basic principles and process of theatrical costuming, including the fundamentals of pattern making, textiles and costume construction. Construction of a costume is required. Offered Spring '05, Spring '07*.
Prereq: THEATRE 251 or consent of instructor.

THEATRE 345/545 COSTUME HISTORY 3 u
Study of the clothing and costume accessories of the major historic periods, with an emphasis on western costume history and on its application to modern stage design. Offered Fall '03, Fall '05*.
Prereq: THEATRE 110 or consent of instructor.

THEATRE 346/546 - ENGLISH 346/546 SURVEY OF MODERN DRAMA 3 u
A study of the trends and developments in the modern theatre from the Romantics and early Realists to the Theatre of the Absurd, with emphasis on literary history and staging problems. May be team-taught with English faculty. Offered Fall '03, Fall '05.
Unreq: ENGLISH 346/546.

THEATRE 354 TECHNICAL DIRECTION 3 u
Advanced study and practice of the principles of scenery construction, scene painting, technical drafting, planning and budgeting. A minimum of 50 hours of participation is required. Offered Spring '04, Spring '06*.
Prereq: THEATRE 251 or consent of instructor.

THEATRE 361 PERFORMING ARTS OPERATIONS AND MANAGEMENT 2 u
A study of the duties and required skills of managers of performing arts organizations including house management, facility management, box office management, and strategic planning, as well as an overview of human resource management, audience development, marketing, and legal procedures. Offered odd-numbered fall terms.
Prereq: THEATRE 100 or THEATRE 110 or consent of instructor.
Unreq: ACINDP 361.

THEATRE 362 NON-PROFIT ARTS MANAGEMENT 2 u
A study of the duties and required skills of managers of various non-profit arts organizations. Areas of study will include structure of arts organizations, planning, programming, staffing, budgeting and marketing, with emphasis on fundraising, board development, and volunteer management. Assignments and projects will be geared toward students' specific needs and interests. Offered even numbered spring terms.
Unreq: ACINDP 362.

THEATRE 363 APPLIED STUDIES IN ARTS MARKETING 2 u
A study of the duties and skills of marketing managers of both commercial and non-profit arts-related businesses, as well as the individual artist in the marketplace. Topics include marketing research, planning a marketing budget, promotions, media relations, advertising, corporate and media sponsorship, and audience development. Students will develop a comprehensive marketing plan for an organization or individual artist of their choice. Offered even numbered fall terms.
Coreq: MARKETNG 311. Unreq: ACINDP 363.

THEATRE 364 ISSUES IN ARTS MANAGEMENT 2 u
A study of topics, trends, and career options in the field of arts administration. Working professionals will explore with students issues they face in their occupations. A variety of topics will include the role of the arts in society, leadership, public and private support and control of the arts, ethical issues, marketing challenges, computer technology and future trends in the field.
Prereq: Junior or senior academic status or consent of instructor.

Offered odd-numbered spring terms.
Unreq: ACINDP 364.

THEATRE 369 MULTICULTURAL DRAMA *Diversity* 3 u
OF THE UNITED STATES

The course examines the theatrical forms and the dramatic literature of African-Americans, Asian-Americans, Latinos/as, and Native Americans, and places them in the context of American theater and U.S. social/political history.

Prereq: ENGLISH 102 and a 200 level English course or THEATRE 346 or THEATRE 471 or THEATRE 472 or THEATRE 478. Offered occasionally.

Unreq: ENGLISH 369.

THEATRE 377 INTRODUCTION TO PLAYWRITING 3 u

Students will be introduced to the elements of a play, learn to analyze and evaluate dramatic structure, and write short plays. They will also experience the collaborative nature of the play development process by having their work read by actors and critiqued by an audience of classmates.

Prereq: ENGLISH 101, ENGLISH 102, ENGLISH 274 or THEATRE 110 and junior standing

THEATRE 422 ACTING FOR THE CAMERA 3 u

A course to study and practice basic principles of on-camera performance. Through regular on-camera assignments students learn skills necessary to work as actors in the TV and film industries. Offered Spring '05, Spring '07*.

Prereq: THEATRE 120 and THEATRE 220 or THEATRE 320 or consent of instructor.

THEATRE 433/633 DIRECTING II 3 u

The study and application of contemporary directing theories and an exploration of approaches to production styles; includes the direction of a 30-40 minute studio production. Offered Spring '04, Spring '06*.

Prereq: THEATRE 332 or consent of instructor.

THEATRE 454 PERIOD DECOR AND SCENIC STYLES 3 u

Study of the architecture, interior decor, and furnishings of the major historic periods, with an emphasis on application to stage design. Survey of the major historic styles of scenic design with an emphasis on application to contemporary scenic design problems. Offered Fall '04, Fall '06*.

Prereq: THEATRE 100 or THEATRE 110 or consent of instructor.

THEATRE 460/660 ADVANCED STAGE DESIGN AND TECHNOLOGY 3 u

A course for the advanced student who wishes to pursue further study in scenic, costume or lighting design and/or technology. Each student, in consultation with the instructors, will choose 2 projects on which to focus. The lecture/labs will consist of work on those projects and lecture/discussions related to the projects. Required for B.F.A. Design/Tech students. Offered each spring.

Repeatable three times for a maximum of 9 units in major.

Prereq: THEATRE 252.

THEATRE 471/671 HISTORY OF THE THEATRE THROUGH 1550 A.D. 3 u

Traces the development of theatre from its origins to 1550 A.D., including theatre and drama in ancient Greece, Rome, the Middle Ages, the Italian Renaissance and the Orient. The course also examines the impact of outside forces on the various arts of the theatre. Offered Fall '04, Fall '06*.

THEATRE 472/672 THEATRE HISTORY AND DRAMA: 1550 TO 1830 3 u

Traces the development of the theatre in the West from 1550 to 1830, including Neoclassicism, Elizabethan and Restoration theatre and the development of Romanticism. The impact of outside forces on the various arts of the theatre will be examined. Offered Spring '05, Spring '07*.

THEATRE 478/678 CONTEMPORARY DRAMA 3 u

Analysis of the trends and developments in the theatre of the past 30 years, including the impact of television, motion pictures and other forces on the theatre of today. Offered Spring '04, Spring '06*.

THEATRE 490/690 WORKSHOP Repeatable 1-6 u

Offered on demand.

THEATRE 491 TRAVEL STUDY Repeatable 1-3 u

Offered on demand.

THEATRE 492 FIELD STUDY 1-6 u

A study for which data is gathered from sources broader than the classroom or laboratory, often involving off-campus work study experience in an area which has been selected for exploration, such as summer tours in theatre. Offered on demand. Repeatable.

THEATRE 493 INTERNSHIP IN THEATRE PRACTICE 1-12 u

In cooperation with a designated theatrical organization and with previously established guidelines, participation in the production and/or management activities of a commercial or non-profit theatre operation. Repeatable for a maximum of 12 units in degree.

Prereq: At least second-term junior standing as a theatre major and the advance consent of the department.

THEATRE 494 SEMINAR 1-6 u

Repeatable. Offered on demand. Prereq: Junior standing and consent of department chairperson.

THEATRE 496/696 SPECIAL STUDY 1-3 u

Repeatable. Prereq: Junior standing and consent of department chairperson. Offered on demand.

THEATRE 497 EXCHANGE STUDY Repeatable 1-12 u

THEATRE 498 INDEPENDENT STUDY 1-3 u

Repeatable. Prereq: Junior standing and consent of department chairperson. Offered on demand.

THEATRE 499/699 SENIOR PROJECT 3 u

A capstone project in which the student demonstrates proficiency in directing, acting, designing, promotion, playwriting or criticism on a major project proposed by the student and approved by the department. Repeatable.

Prereq: Completion of at least 75% of the student's major requirements (including at least 2 upper level courses in the student's project area) and submission and approval of proposal by the department.

MINOR/EMPHASES

DANCE

MINOR - 22 UNITS

1. DANCE 110, DANCE 141, DANCE 145 AND DANCE 200
2. DANCE 243, DANCE 244, DANCE 320 AND DANCE 420
2. SELECT 5 UNITS FROM COURSES
THEATRE 252, MUSC 111, PEPROF 200
OR FROM DANCE DEPT

Minor requirements in dance for students in the College of Letters and Sciences are identical to the above requirements.

Students who wish to present courses in dance for a physical education major or minor are advised to consult the Department of Health, Physical Education, Recreation & Coaching.

DANCE SECONDARY EDUCATION EMPHASIS

MINOR - 24 UNITS

1. DANCE 110, DANCE 141, DANCE 145 AND DANCE 243
2. DANCE 244 AND DANCE 320
3. PEPROF 200 AND PEPROF 314
4. SELECT 4 UNITS FROM COURSES
PEPROF 271 OR BIOLOGY 360
5. SELECT 2 UNITS FROM COURSES
THEATRE 252, MUSC 111 OR FROM DANCE DEPT

DANCE

(*Scheduling of offerings is subject to change.)

DANCE 110 DANCE APPRECIATION *GA* **2 u**
Dance is studied as an art form through the investigation of dance history, technique, and the aesthetic choices of choreography. Lecture format is enhanced by slide, film and live presentation. Offered each spring*.

**DANCE 141 CONTEMPORARY DANCE
TECHNIQUE I** *GA* **2 u**

A study of basic dance movement through exploration, analysis and identification of the principles of Contemporary Dance as an art form. A participation course, utilizing problem-solving and creativity in movement.

Offered each term*. Repeatable.

DANCE 145 BALLET I *GA* **2 u**

The Beginning Ballet course will provide instruction in the basic movements upon which all movements in ballet are built. Posture and alignment are stressed as well as foot articulation and proper use of turn-out. The class incorporates barre work, center combinations and locomotor movements across the floor. Students will also be taught the French terminology for movements learned. Offered each term*. Repeatable two times for a maximum of 4 units in degree.

DANCE 200 PRACTICUM - DANCE PERFORMANCE **1 u**

A course designed to allow students who are interested in dance as an art form to participate as performers-choreographers in a contemporary dance concert. A student is expected to spend a minimum of 100 hours per unit in rehearsing and performing at times specified by the instructor. Repeatable. Offered every fall, students must be available to continue in spring. Prereq: Audition and consent of instructor.

DANCE 243 IMPROVISATION/SOUND *GA* **2 u**

The creation of dance movement through the exploration and experimentation of a variety of stimuli as sources for movement experiences. Offered Fall '04, Fall '05, Spring '07*.

DANCE 244 CONTEMPORARY DANCE TECHNIQUES II **2 u**

Further study of dance techniques on the intermediate level. Repeatable three times for a maximum of 6 units in degree. Offered each spring*.

Prereq: DANCE 141 or cons instr.

DANCE 246 BALLET II **2 u**

Continuation of basic concepts learned in Ballet I with emphasis on more complex skills and combinations. Repeatable for a maximum of 4 units in degree. Offered each fall*.

Prereq: It is highly recommended that students have two terms of Ballet I before attempting Ballet II, or cons instr. May be repeated.

DANCE 155 TAP DANCE I **2u**

Tap Dance I is a studio experiential class in beginning tap dance technique. The purpose of this course is to provide the student with basic tap movements that would be viable for use in Musical Theatre.

DANCE 255 TAP DANCE II **2 u**

Tap Dance II is a studio experiential class in intermediate tap dance technique. The purpose of this course is to provide the student with continuing tap movements that would be viable for use in Musical Theatre.

DANCE 320 COMPOSITION I (Solo) **3 u**

Composition I (Solo) is a course which presents basic material on the craft of creating solo dances. Students will be given structural problems to solve by creating original movement. The use of musical accompaniment and props in choreography will be explored. Videotapes and films of professional choreography will be viewed for discussion and students will be introduced to the use of costumes, lighting, and sets for dance. Offered Fall '04, Spring '06.

DANCE 330 PERFORMANCE ART **3 u**

Performance Art is an avant-garde form of live art performance. In this course students will learn about the historical predecessors of Performance Art, be exposed to contemporary work through reviews, articles and videotapes, and create their own solo and group work to culminate in a public performance. Repeatable.

Offered Spring '04, Fall '05, Spring '07*.

DANCE 346 BALLET III **2 u**

A participation course designed for the advanced level ballet student. Complex combinations and techniques such as multiple turns and beats as well as anatomical considerations will be studied. Repeatable for a maximum of 4 units in degree. Offered each spring*.

Prereq: At least two terms of Ballet II or consent of instructor.

**DANCE 348 CONTEMPORARY DANCE
TECHNIQUES III** **2 u**

Learning the kinesthetic way of moving the body and performing more complex technique and style in longer movement phrases appropriate for advanced level technique. Repeatable three times for a maximum of 6 units in degree. Offered each fall*.

Prereq: DANCE 244 or cons instr.

DANCE 420 DANCE COMPOSITION II (GROUP) **3 u**

A continuation of the elements of choreography concentrating on form with more complex approaches and depth of movement themes for duet, trio and group. Offered Spring '05, Fall '06.

Prereq: DANCE 320.

DANCE 496 SPECIAL STUDIES **1-3 u**

A course which is not regularly included in the curriculum but which is offered from time to time on topics in Dance as an art form, selected on the basis of need, interest or timeliness. It also permits the student to work on the main stage production of Theatre/Dance that requires extensive choreography. Repeatable.

Offered on demand.

Prereq: Jr st and cons of the Theatre/Dance Department.

DANCE 498 INDEPENDENT STUDY IN DANCE **1-3 u**

Repeatable. Prereq: Junior standing and consent of department chair. Offered on demand.

DANCE 499 DANCE PRODUCTION PROJECT **1-3 u**

Choreographing and staging a full length dance concert or its equivalent or choreographing for mainstage productions such as the annual department dance concert or a musical where choreography plays one of the major roles. All choreographic pieces for public performance will be under the supervision of a dance faculty. Repeatable three times for a maximum of 6 units in degree. Offered on demand.

Prereq: DANCE 200 and DANCE 420 and junior standing.

COLLEGE OF BUSINESS AND ECONOMICS

(Title Page)

COLLEGE OF BUSINESS AND ECONOMICS

Phone: 262-472-1343 E-Mail: busecon@uwm.edu

Christine Clements, Dean
 Donald K. Zahn, Associate Dean
 Janet E. Olson, Assistant Dean
 Debra Malewicki, Business Outreach Director
 Samantha Samreth, College Advisor

DEPARTMENT CHAIRPERSONS

Accounting
 Robert Gruber
 Information Technology and Business Education
 Robert Horton
 Economics
 Mark Skidmore
 Finance and Business Law
 Donald Sorensen
 Management
 Yezdi Godiwalla
 Marketing
 Lois Smith

MISSION STATEMENT

The mission of the College of Business and Economics is to primarily provide quality undergraduate education serving career-oriented students. The College will also provide a quality graduate program built upon existing undergraduate programs of excellence. Continuing education for the region will be offered through quality credit and non-credit programs. The College will meet its mission under the guidance of a faculty committed to excellence in teaching and sustained scholarship. Education is broadly interpreted to include experiences in and outside the classroom.

THE PROGRAM

The College of Business and Economics attempts to provide students with the skills and knowledge which will allow them to succeed in a business administration profession. We stress a close faculty-student relationship and encourage student activities which will help students develop professional skills. Students will have the opportunity to become involved in projects with business firms which will aid in this skill development. The programs of the College are based on a broad general education which provides students with a fundamental understanding of the society in which they live and work. College requirements develop students knowledge of the traditional functional area of business, the behavioral sciences, the management sciences and the systems approach to problem solving. Completion of the degree includes intensive study in a chosen major to prepare students for careers in the field of their choice.

The four-year program leading to the Bachelor of Business Administration degree is composed of four phases:

- Communication & Calculation, University Requirements and general education
- Lower division business requirements
- Upper division business core requirements
- Major

ENROLLMENT LIMITATIONS

ADMISSION POLICY FOR THE COLLEGE OF BUSINESS AND ECONOMICS

All students interested in pursuing a business major must declare "Pre-Business" as the major. Pre-business students are eligible to enroll in lower division business courses after they have completed twenty-four units and possess at least a 2.50 combined grade point average. After a student completes fifty-four or more units and has satisfactorily completed or is enrolled in ACCOUNT 244, ACCOUNT 249 or ACCOUNT 341/342, ECON 201, ECON 202 and ECON 245, the student may apply for admission to a major in the College of Business and Economics. The student must also meet the information systems requirement prior to enrollment. All students with a 2.80 combined GPA or better and who meet the other requirements will be admitted to a major in the College. A student whose combined GPA is less than 2.80 may be admitted based on an alternative formula. Application forms for admission to the College of Business and Economics are available at the Assistant Dean's Office and are completed during the required pre-business registration information meeting. A student who completes any business course without having met the requirements for a business major cannot become a business major after completing the course.

In accordance with the admission policy on requirements for transfer students to declare a business major, the College of Business and Economics requires the following combined cumulative grade point averages in order to declare a pre-business major. Students changing majors cannot be admitted directly to a business major other than pre-business without the approval of the assistant dean of the College.

- From 0 to 24 credits, a student must have at least a 2.00 combined cumulative grade point average to declare the pre-business major
- From 24 to 72 credits, a student must have at least a 2.50 combined cumulative grade point average to declare the pre-business major
- If a student has 72 or more credits, s/he must have at least a 2.80 combined cumulative grade point average to declare a pre-business major

Budget, enrollment, or other factors may cause these standards to be altered by the College. Students who have questions concerning admission should contact the Assistant Dean of the College of Business and Economics.

Students must complete course work in residence at UW-Whitewater in at least six courses (18 credit minimum) in their major field. A maximum of two transfer courses will be allowed in any major in the BBA curriculum.

BBA students may not take any courses offered by the College of Business and Economics or any BBA degree requirements (unique/lower/upper) on a satisfactory/no credit (S/NC) basis except those offered on an S/NC basis only by the department.

The College is organized into the departments of Accounting, Economics, Finance and Business Law, Information Technology and Business Education, Management, and Marketing.

Majors are available in accounting, business education, economics, finance, general business, management, human resource management, management computer systems, marketing, computer end-user technologies, production operations management and integrated science and business. The general business major is administered by the Assistant Dean. Students pursuing majors in accounting, finance, general business, computer end-user technologies, human resource management, management, marketing and operations management can obtain these majors only in the BBA degree program in the College of Business and Economics. They may not be taken as primary or secondary majors in other colleges.

PROFESSIONAL MINOR IN BUSINESS STUDIES

The Professional Minor in Business Studies is designed for students seeking a liberal arts education with preparation for a career in an area of business. This preparation in both liberal arts and business will also assist students planning to advance their career opportunities by seeking an M.B.A. (Master of Business Administration) degree.

Requirements for the nine approved areas of emphasis are described. Within these emphases, however, variations are possible to meet the programmatic needs of individual students. A minimum GPA of 2.25 in the minor is required for graduation. Grades received for transfer courses that are counted in the minor will be included in determining the GPA in the minor. Students majoring in business may not earn a professional minor in business studies.

COLLEGE GRADE POINT AVERAGE REQUIREMENT FOR GRADUATION

Students in the College of Business and Economics are required to have:

1. a minimum combined transfer and UW-W GPA of 2.5
2. a minimum combined transfer and UW-W GPA of 2.5 in all subjects offered by departments in the College of Business and Economics and in Management Computer Systems
3. a minimum combined transfer and UW-W GPA of 2.5 in their major.

OUTREACH PROGRAMS FOR INDIVIDUALS IN THE FIELD OF BUSINESS AND MANAGEMENT

The University of Wisconsin-Whitewater, in cooperation with the University of Wisconsin Center at Waukesha and the University of Wisconsin-Extension, presents unique programs designed for adults who desire to continue their education in the field of business and management. Outreach programs offer the services of the University of Wisconsin system to the people of the surrounding area who cannot take advantage of the regular college programs because of personal commitments. The Business Outreach Program contains both credit and noncredit courses and is divided into four major areas:

1. Master's Degree Program in Business - A University of Wisconsin-Whitewater MBA or MPA (Masters of Professional Accountancy) degree can be earned through a program of graduate study on the Whitewater and Waukesha campuses. The program is designed to accommodate adult part-time students through special advising and evening courses. Classes and evening programs are offered at the following locations:

UW-Whitewater:

- MBA Accounting
- MBA Decision Support System
- MBA Finance
- MBA Human Resource Management
- MBA International Business
- MBA IT Management
- MBA Management
- MBA Marketing
- MBA Operations & Supply Chain Management
- MBA Technology and Training
- MPA Accounting

UWC-Waukesha:

- MBA Finance
- MBA Management

These programs are identical to those offered in the full-time college program at Whitewater. The same admission standards, faculty, and courses are applicable.

2. Bachelor's Degree Program in Business - A program tailored for the adult who desires to earn a business degree is offered on campus. Courses are scheduled at night and during the summer to meet student needs. Freshman-sophomore courses are available at the UW-Colleges. All four years of baccalaureate degree work are available at Whitewater. Special advising and simplified enrollment procedures are provided.
3. Adult Special Education in Business - Some adults want to take only selected courses offered in the regular University curriculum to improve their business background. This program accommodates these people by scheduling many classes at night and off-campus. Depending on the course, certain prerequisites may be required. Counseling and special enrollment procedures are provided. A student may earn a maximum of twelve units as a special student. If any of these units are earned in 300/400-level courses, these units may not count toward the BBA degree should that student decide to pursue a BBA in subsequent semesters.
4. Management and Economics Development Program - Designed for further regional economic development through education and assistance, this program consists of two elements:
 - a. Management Development - These specially designed courses meet the needs of industry for timely educational programs on business subjects. Formats range from seminars, institutes, conferences, to tailored executive sessions. They are offered at convenient times at off-campus locations (including in-plant) throughout the area. Participants in this program will normally receive certificates upon completion, as well as Continuing Education units.
 - b. Economic Development - Research and consulting geared to the needs of regional communities and industry is provided by the University. The resources of the UW-System can be mobilized to help solve your problems. Requests for assistance under this program should be directed to the University of Wisconsin-Whitewater. For more information call SBDC at 262-472-3217.

STUDENT ORGANIZATIONS

HONORARY SOCIETIES

Pi Omega Pi, a national honorary scholastic society for business education students, limits membership to spring-term sophomores, juniors, seniors and graduate students having a grade point of 3.0 or higher and who place in the upper 35 percent of their college class. The organization presents an annual award to the outstanding member. The local PSI chapter, a member of the National Association of College Honor Societies, has received national recognition for its service, publications, research, and other activities. It was founded by Professor Paul A. Carlson in 1932.

Beta Gamma Sigma is a national scholastic honorary society for students of business and management. Election to membership is the highest scholastic honor that a student of business can achieve. Membership is restricted to students of high scholarship and good moral character in institutions with programs accredited by the American Assembly of Collegiate Schools of Business.

Financial Management Association Honor Society is a local chapter of the national Financial Management Association. It is an honorary organization in that membership is limited to finance majors who have a 3.25 grade point average and who have completed six finance units and to graduate finance majors who have a 3.25 grade point average and who have completed at least 1/2 of their program unit requirements. The local chapter has received national recognition with the Bronze award twice in the last ten years.

The Wisconsin Iota Chapter of Omicron Delta Epsilon, is an International Economics Honorary Society. It is dedicated to the encouragement of excellence in economics. It recognizes first and foremost scholastic achievement in economics. Second, it is a vehicle towards a better perception of and familiarity with economics. Through the establishment of closer ties between students and faculty, it promotes an understanding of economics greater than most classroom situations. In short, it helps its members advance both their own comprehension and the art and science of economics.

Membership in ODE is based on cumulative GPA and GPA in economics. Applicants must have earned at least 12 units in economics with the grade of C or better, and the GPA for all economics courses must be at least 3.0. Receiving lower than a C does not disqualify an applicant, but that course may not be counted in the 12 units. In addition, applicants must be of junior standing or higher and possess an overall GPA of at least 3.0

Sigma Iota Epsilon is an honorary professional fraternity in management. Undergraduate management, management computer systems, human resource management and production operations management majors are eligible to join. They must have a minimum 3.0 grade point average, at least 30 units of work or its equivalent at UW-Whitewater, and state their intention of continuing in the management curriculum. Graduate students must have a 3.25 grade point average and have completed nine units of graduate work, including at least three units of management at UW-Whitewater. The Sigma XI of Sigma Iota Epsilon was installed on the Whitewater campus in October, 1976 and its purposes are: to stimulate interest and achievement in the field of management, to stimulate scholarship and research through the development of the scientific approach of management problems, to facilitate contacts between students and business, and to recognize persons who have made contributions to the field of management.

Mu Kappa Tau is the national scholastic honor society in the field of marketing. To be eligible for membership, a student must rank in the top 10% of the junior class, the top 10% of his/her senior class, or rank in the top 20% of the students receiving graduate degrees.

PROFESSIONAL ORGANIZATIONS

American Marketing Association—Collegiate Chapter was formed by Whitewater marketing students to promote and develop interest and knowledge in the field of marketing. The Association's goals are to foster scientific work in marketing, to develop sound thinking in theory and practice, to improve methods and techniques of marketing and to develop public understanding of marketing. The collegiate chapter works toward the accomplishment of these goals by sponsoring marketing presentations of practicing businessmen, field trips, special events and by conducting projects for the business community. Membership is open to any student interested in marketing.

APICS - The Educational Society for Resource Management is the campus student organization for anyone with interests in the field of supply chain management, production, inventory, TQM, service operations, purchasing, and material requirements planning. An insight into the real world of Operations Management is obtained through numerous contacts with management of nearby business organizations at on-campus or Milwaukee APICS or Janesville APICS Chapter meetings. Also, an excellent opportunity is afforded chapter members to prepare for and take the APICS certification examinations in the various Production Fields.

Society for Human Resource Management (SHRM) is a nationally affiliated professional organization for any student interested in pursuing a career in human resources/industrial relations. The Whitewater chapter offers its members the opportunity to meet with human resource executives from Southern Wisconsin, to gain practical experience doing human resource projects, to receive assistance preparing for SHRM "Human Resources Generalist" accreditation exams, and to receive periodicals/newsletters discussing current human resource issues.

Beta Alpha Psi is the national professional accounting fraternity with chapters on over 200 campuses. Epsilon Rho chapter allows students to meet professionals and fellow students through the various activities held during the year. This gives students the opportunity to round out their academic training and learn about the accounting profession from those in practice. To become a member it is necessary to have attained sophomore standing and have a grade point of 3.0 both overall and in accounting courses. The organization is open to accounting, finance and information technology majors.

The Association of Information Technologies Professionals is an organization of students who have a strong interest in the field of computer information systems. This group fosters an interest in and an understanding of computer systems through professional presentations, seminars, senior and student level AITP conferences and field trips to regional computer installations. In addition, the chapter also sponsors a professional society banquet meeting with employers in the fall and a career day in the spring.

Delta Sigma Pi, an international business and professional fraternity, promotes the study of business, encourages the attainment of high scholarship, and provides opportunities for students to begin their professional development while in college. Membership is open to students majoring in various business areas.

The Institute of Management Accountants is a national professional society. UW-W is proud to have the first student chapter in Wisconsin and one of the first anywhere. This organization provides another opportunity to make contacts and learn from practicing professionals in accounting. IMA is open to all majors.

Marketing Education Association (formerly DECA) is the collegiate affiliate of the National and Wisconsin Marketing Education Associations. The purposes of MEA are to provide experiences for students who wish to continue their association with DECA, explore marketing education as a potential major, and participate with a small energetic group of students interested in marketing. Through experiences provided by MEA, future marketing education teachers will be prepared to assume their role as a DECA adviser at the secondary and postsecondary levels. Non-marketing education majors will have opportunities to develop management and communications skills and to learn more about the discipline of marketing through speakers, field trips, and conferences. Membership is open to any student from any college.

Economics Society is an organization of economics majors and minors and others interested in the field. Its purposes are to promote interest in and an understanding of economics through sponsoring lectures, panels, field trips, and other events; to promote economics as a profession; to improve contacts among students of economics, and to enhance student-faculty interaction.

Finance Association (FA) is a student membership organization open to all majors. FA serves undergraduate and graduate students who are interested in corporation finance, banking, investments, real estate and/or insurance. The Finance Association conducts speaker meetings, field trips, career orientation programs and social activities. Opportunities available for members include meeting people, networking, volunteer service hours and providing an informal channel for communication between students and faculty.

Law Society is an organization open to all students with an interest in law. The purposes of the Society are to advance the student's knowledge and experience in the field of law and to provide opportunities for communication with representatives from law schools and members of the legal profession. Guest speakers, field trips and special projects are some of the activities conducted each term by members of the society.

The Information Research Association's (ITA) primary goal is to provide students with a forum to expand their knowledge of the end-user information systems area. ITA sponsors business speakers, field trips, and PC seminars.

Chapter activities include the sponsoring of a Computer Technologies Careers Day, writing an Alumni Newsletter, offering computer training seminars, and hosting a PC Day for high school students.

Phi Beta Lambda is the college level of the Future Business Leaders of America and is open to all students. PBL's purpose is to familiarize students with the demands and opportunities in the professions commonly associated with business. Guest speakers, field trips, and conferences around the state and nation are some of the activities included each year for members of this organization.

Pi Sigma Epsilon is a national professional sales and marketing coed fraternity. Membership is open to any student of good standing and major who exhibits interest in sales and marketing. Business, University and community oriented projects are employed during the school year to afford practical experience to the members and to finance the operations of the organization. The Beta Gamma chapter at Whitewater was founded on March 14, 1969, as the 51st chapter of Pi Sigma Epsilon and is sponsored by the Sales and Marketing Executives of Madison and Milwaukee.

Portfolio Management Group is a student investment club. Its purpose is to help students learn about the process of investing in stocks, bonds, options, futures, and other types of securities. The group hosts speakers, sponsors field trips, conducts a simulated stock trading competition, and enjoys social activities.

The General Management Organization (GMO) is a campus organization for students either majoring in or interested in general management. This group provides academic and career support for student majors through speaker programs, student interaction and student-faculty interaction. It also fosters an interest in and understanding of general management subjects of interest. Relevant speakers, seminars and opportunities to interact with the General Management Advisory Board are special features of the GMO.

Society for the Advancement of Management (SAM) is a national professional organization of managers in industry, commerce, government and education. The student chapter at UW-W has as its main objective the bringing together of executives in business and students preparing to go into administrative positions. The club offers guest speakers, business films, structured field trips, an all-campus Career Day, a spring symposium, management periodicals and newsletters to all students who aspire to managerial occupations.

The UW-W Students in Free Enterprise (SIFE) team is a cadre of students on the UW-W campus that serve as intelligent and articulate exponents of the market economy and the American free enterprise system by conducting outreach educational projects. SIFE's mission is to establish and direct student-generated free market economic education programs on college and university campuses to bring America's collegian citizens to a better understanding of and a greater appreciation for the free enterprise system. SIFE's purpose is accomplished through the SIFE Teams' outreach projects within their communities and the presentation of these projects at the regional and national competitions. SIFE team projects are educational programs that convey to fellow college students and the surrounding communities' citizens a better understanding of current economic issues and a greater appreciation for the free enterprise system.

Collegiate Entrepreneurs Organization-Whitewater Chapter is a student organization dedicated to inspiring the Entrepreneurial spirit in today's college students. CEO encourages this through the sponsoring of dynamic speakers, opportunities for international travel, networking through local and national conferences, and a variety of other unique educational experiences.

COLLEGE DEGREE REQUIREMENTS

BACHELOR OF BUSINESS ADMINISTRATION (BBA)

You may earn a Bachelor of Business Administration from the College of

Business and Economics. Successful completion of the 20-hour volunteer community service and a minimum of one hundred twenty (120) units in the following areas is required:

University Proficiency
General Education
Diversity and Writing Proficiency
College/Major

College Community Service Requirement

Students are required to complete 20 hours of community service prior to graduation. Verification of completion of the community service requirement is required. For more information, contact the Assistant Dean's Office, College of Business and Economics.

Degree: Unique Requirement

1. MATH 143 (GM)
2. ECON 201 (GS) and ECON 202 (GS)
3. SELECT ONE COURSE WITH SIGNIFICANT INTERNATIONAL CONTENT (See Advising Report for list of approved courses.)

Lower Division Core Requirements

1. 3 u. ACCOUNT 244 Intro. to Financial Accounting
2. One of the following courses: (Except Accounting majors who are required to take ACCOUNT 341 and ACCOUNT 342)
3 u. ACCOUNT 249 Intro to Managerial Accounting (Students cannot receive credit for both ACCOUNT 249 and ACCOUNT 342.)
3 u. ACCOUNT 341 Intermediate Accounting I
3 u. ACCOUNT 342 Cost Management I
3. 3 u. ECON 245 Business Statistics
4. All BBA students must pass the computer applications competency test or an approved course prior to admission to the College

Upper Division Core Requirements

1. 3 u. BSEDCNA 353 Business Communication
2. 3 u. FNBSLW 341 Business and Commercial Law
3. 3 u. FNBSLW 344 Business Finance
4. 3 u. MANGEMNT 301 Organizational Behavior
5. 3 u. MANGEMNT 306 Operations Management
6. 3 u. MARKETNG 311 Marketing Principles
7. 1 u. BSEDCNA 388 Career Information
8. 3 u. MANGEMNT 489 Administrative Policy

Major Requirements (21-30 u)

(No minor is required)

Writing proficiency is either included in the college core or listed with the major.

Electives to bring the total to a minimum of 120 units with a minimum of 60 units outside the College of Business and Economics.

INTERDEPARTMENTAL

MAJOR/EMPHASES

GENERAL BUSINESS (BBA)

MAJOR - 24 UNITS

1. SELECT 1 COURSE FROM EACH GROUP
GROUP 1 ACCOUNT 341, ACCOUNT 451, BSEDCNA 344, BSEDCNA 348, ECON 353, ECON 354, ECON 431 AND

104 INTERDEPARTMENTAL

- ECON 437
GROUP 2 FNBSLW 342, FNBSLW 345, FNBSLW 348,
FNBSLW 360, FNBSLW 442 AND FNBSLW 446
GROUP 3 MANGEMNT 310, MANGEMNT 320, MANGEMNT
351, MANGEMNT 456, MANGEMNT 387, MANGEMNT
430, MANGEMNT 450
GROUP 4 MARKETNG 337, MARKETNG 350, MARKETNG
351, MARKETNG 361, MARKETNG 412, MARKETNG 420,
MARKETNG 429
2. SELECT 12 UNITS (COURSE LVL 300 OR 400) FROM
ACCOUNTING, BUS ED, ECONOMICS, FINANCE, MAN-
AGEMENT, AND MARKETING WITH NO MORE THAN
12 UNITS FROM ONE DEPARTMENT, INCLUDING
THOSE TAKEN IN REQUIREMENT 1 (*STUDENT MUST
MEET WITH ASSISTANT DEAN FOR APPROVAL OF
COURSE SELECTION*)

GENERAL BUSINESS ENTREPRENEURSHIP EMPHASIS (BBA)

MAJOR - 24 UNITS

1. MANGEMNT 387
2. MANGEMNT 485
3. FNBSLW 446
4. MARKETNG 321
5. SELECT 12 UNITS FROM THE FOLLOWING:
BSEDCNA 348, ECON 324, ECON 402, FNBSLW 345, FNBSLW
370, FNBSLW 348, MANGEMNT 320, MANGEMNT 419,
MANGEMNT 466, MARKETNG 337, MARKETNG 350,
MARKETNG 351, MARKETNG 412, MARKETNG 429,
MARKETNG 432, MARKETNG 436, MARKETNG 444,
MARKETNG 445

Note: No more than 12 units can come from one department, including requirements 1, 2, 3, and 4 above.

GENERAL BUSINESS INTERNATIONAL EMPHASIS (BBA)

MAJOR - 24 UNITS

1. POLISCI 351
2. SELECT 12 UNITS FROM COURSES ECON 360, ECON 401, ECON
406, ECON 431, ECON 459, FNBSLW 410, MANGEMNT
410, MARKETNG 361 OR POLISCI 350 MAXIMUM OF 6
UNITS PER DEPT
3. SELECT 9 UNITS OF 300- AND/OR 400-LEVEL BUSINESS
COURSES TO FORM A BUSINESS AREA FOCUS. SUBJECT
TO APPROVAL OF THE ASSISTANT DEAN.
4. EXCHANGE STUDY AND SHORT-TERM TRAVEL STUDY
ARE HIGHLY RECOMMENDED BUT NOT REQUIRED
5. A MAXIMUM OF 12 UNITS OF THE 24-UNIT MAJOR MAY
BE TAKEN FROM ANY DEPARTMENT

MAJOR - UNIQUE FOREIGN LANG - 16 UNITS

1. SELECT 16 UNITS FROM FOREIGN LANGUAGE DEPART-
MENT (FROM, AT MOST, TWO LANGUAGES) INCLUDING
RETRO UNITS FOR PREVIOUS LANGUAGE STUDY

UNIQUE REQUIREMENT

1. SPEECH 424 AND RELIGST 211 OR RELIGST 212

INTEGRATED SCIENCE - BUSINESS (BBA)

MAJOR - 42-52 UNITS

1. SELECT 6 UNITS OF UPPER DIVISION BUSINESS COURSES

BUSINESS AND ECONOMICS

FROM ONE OF THE FOLLOWING AREAS:

ACCOUNTING, BUSINESS EDUCATION AND OFFICE
SYSTEMS, ECONOMICS, FINANCE AND BUSINESS LAW,
MANAGEMENT, MANAGEMENT COMPUTER SYSTEMS
OR MARKETING.

2. SELECT 15-20 UNITS FROM AT LEAST TWO OR MORE OF
THE FOLLOWING AREAS:
 - a. BIOLOGY 141, BIOLOGY 142
 - b. CHEM 102, CHEM 104
 - c. GEOLGY 100
 - d. PHYSCS 160 OR PHYSCS 162 OR PHYSCS 172 OR PHYSCS
173
 - e. ANY BIOLOGY, CHEMISTRY, GEOLOGY, OR PHYSICS
COURSE WHICH HAS ONE OF THE ABOVE AS A PRE-
REQUISITE OR IS AN ADVANCED MAJORS COURSE.
(STUDENTS TAKING PHYSICS COURSES, AS PART OF
THE SCIENCE CORE OR SCIENCE EMPHASIS, THAT
REQUIRE MATH 254 AS A PREREQUISITE MAY USE
MATH 254 AS PART OF THEIR SCIENCE CORE 20 UNIT
REQUIREMENT.)
3. SELECT 12-17 UNITS, ALL FROM AT MOST TWO OF THE
SCIENCE AREAS: BIOLOGY, CHEMISTRY, GEOLOGY,
PHYSICS.
4. SCIBUS 481 INTEGRATED SCIENCE MANAGEMENT
5. SCIBUS 485 INTEGRATED SCIENCE-BUSINESS SENIOR
PROJECT
6. SCIBUS 493 SCIENCE-BUSINESS INTERNSHIP

UNIQUE REQUIREMENT

1. MATH 250 OR 253

MINOR

GENERAL BUSINESS

MINOR - 24 UNITS

1. SELECT 24 UNITS FROM COURSES
ACCOUNT 244, ACCOUNT 249, FNBSLW 344, ECON 245
OR MATH 342 OR PSYCH 215, POLISCI 320 OR POLISCI
421, MANGEMNT 211 OR COMPSCI 161 OR COMPSCI 162
OR COMPSCI 171, MANGEMNT 301 OR MANGEMNT 310,
MANGEMNT 306, MANGEMNT 387, MARKETNG 311, SAFETY
380 OR SAFETY 381, LDRSH 210 OR LDRSH 220
2. A MAXIMUM OF 2 TRANSFER COURSES & A MAXIMUM
OF 3 UNITS IN SPECIAL OR INDEPENDENT STUDY,
CORRESPONDENCE & INTERNSHIPS WILL BE ALLOWED

UNIQUE REQUIREMENT - 9 UNITS

1. ECON 201, ECON 202 (GS) AND MATH 143 (GM)

The General Business minor was constructed to provide a variety of courses in the areas of accounting, finance, marketing and management and to provide the core courses which would allow the liberal arts graduate to study for an MBA.

GENERAL DIVISION

BEINDP 200 INTRODUCTION TO INTERNATIONAL BUSINESS 3 u

This interdisciplinary course addresses current theory and practice on conducting business in international markets. Topics in culture and communication and the business functions in an international environment will be addressed at an introductory level. This course meets the College of Business & Economics' international requirement.

BEINDP 493 INTERNATIONAL BUSINESS INTERNSHIP 1-12 u

An opportunity for international exchange students to gain work experience in the United States during a semester or summer. Course includes an appropriate written report on the work experience. Repeatable for a maximum of 12 units. Offered on a satisfactory/no credit basis only. Prereq: Consent of the Assistant Dean, College of Business and Economics. Restricted to international exchange students.

SCIBUS 481 INTEGRATED SCIENCE MANAGEMENT 3 u

A study of how scientists and business managers work together during various stages in the design, manufacture and marketing of technologically related products and services. Case analysis of companies that have and have not successfully balanced the role of scientific principles in product design with cost efficient manufacturing and competitive marketing strategies. Prereq: Senior status and completion of an SBIM internship and senior project or permission of instructor.

SCIBUS 485 INTEGRATED SCIENCE-BUSINESS SENIOR PROJECT 3 u

Students will design a senior project in consultation with a pair of faculty, one from science, the other from management, along with a Project Review Panel made-up of other faculty and representatives from the scientific/business community. Prereq: Senior status and completion of an SBIM internship

SCIBUS 493 SCIENCE-BUSINESS INTERNSHIP 3 u

The internship is a required course for which students receive credit for work experience outside the university setting. With the assistance of an SBIM advisor, a student will establish an agreement with a laboratory, company, or other appropriate organization concerning the job description and hours. Prereq: Junior or Senior standing with at least 30 units toward the major and GPA of at least 2.5

DEPARTMENT OF ACCOUNTING

Phone: 262-472-1344

Faculty: Alka Arora, Peter Barton, Richard Cummings, Robert Gruber (Chairperson), Lyal Gustafson, Lynn Hafemeister, Linda Holmes, Carol Normand, David Remmele, Clayton Sager, Nancy Schneeberger, Roy Weatherwax.

The accounting program at UW-Whitewater is designed to prepare accounting majors to begin their career as professional accountants in any area of their choice—public accounting, industrial accounting, or governmental accounting. All of the programs in the College of Business and Economics, at both the graduate and undergraduate levels, are accredited by the Association to Advance Collegiate Schools of Business (AACSB). Accounting graduates are qualified to sit for the Certified Public Accountant (CPA) examination and all other professional accounting certification examinations. In the State of Wisconsin, all applicants for the CPA exam are now required to have completed an accounting program with 150-units of selected coursework. At UWW the Master of Professional Accountancy (MPA), degree program is integrated with the BBA degree program.

MAJOR**ACCOUNTING (BBA)**

A minimum combined transfer and UWW grade point average of 2.5 is required in ACCOUNT 341, ACCOUNT 342, and ACCOUNT 343 to major in accounting. In addition, a 2.5 gpa is required in all accounting courses in all College of Business and Economics plus MCS courses to graduate as an accounting major.

NOTE 1: An accounting major may repeat no more than two accounting

courses without special permission from the Accounting Department.

NOTE 2: Any accounting course may be repeated even if the original grade received was a "C" or better. For purposes of the grade point average requirement in accounting, the repeat grades will be used.

NOTE 3: No one accounting course may be repeated more than once without special permission of the Accounting Department.

ACCOUNTING SEQUENCE - 9 UNITS

1. ACCOUNT 341
2. ACCOUNT 342
3. ACCOUNT 343

MAJOR - 21 UNITS

1. ACCOUNT 451
2. ACCOUNT 454
3. ACCOUNT 456
4. ACCOUNT 461
5. ACCOUNT 463
6. ACCOUNT 465
7. ACCOUNT 452 (BBA students who do not plan to pursue the MPA degree)
8. ACCOUNT 493 (BBA students who plan to pursue the MPA degree)

MAJOR - UNIQUE REQUIREMENTS

1. ENGLISH 370 OR ENGLISH 372 OR BSEDCNA 356
2. FNBSLW 342 (for students who do not plan to go on to the MPA program)
3. MATH 243 (GM) OR MATH 250 (GM) OR MATH 253 (GM)

Courses Outside Business College (60 u)

1. A minimum of 60 units outside the College of Business and Economics and the MCS dept is required. 12 units of economics courses are included in this total.

ACCOUNT 249 may not be taken for credit by an accounting major. However, credit received for ACCOUNT 249 prior to becoming an accounting major will be counted in place of ACCOUNT 342 and included for purpose of the accounting GPA requirements once selection of the accounting major is made.

MINOR**ACCOUNTING****MINOR - 21 UNITS**

1. MANGEMNT 211 OR COMPSCI 161 OR COMPSCI 162 OR COMPSCI 171
2. ACCOUNT 244 AND ACCOUNT 451
3. ACCOUNT 341, ACCOUNT 342 AND ACCOUNT 343 (2.50 G.P.A. REQUIRED IN THESE THREE COURSES)
4. SELECT 3 UNITS FROM COURSES ACCOUNT 452, ACCOUNT 456 OR ACCOUNT 461
5. A MAXIMUM OF 2 TRANSFER COURSES & A MAXIMUM OF 3 UNITS IN INDEPENDENT STUDY & INTERNSHIPS WILL BE ALLOWED

UNIQUE REQUIREMENT - 12-14 UNITS

1. ECON 201, ECON 202 AND MATH 143 RLS
2. MATH 243 OR MATH 250 OR MATH 253 RLS

Restrictions:

In order to obtain the Professional Minor with an emphasis in accounting and in order to continue in the minor program, Letters and Sciences majors must obtain a minimum combined GPA of 2.5 in ACCOUNT 341, ACCOUNT 342, and ACCOUNT 343. The prerequisite courses should be completed before enrolling in the required or elective courses. Additionally, students must complete 24 units before enrolling in ACCOUNT 244 Accounting Concepts.

COURSE DESCRIPTIONS

ACCOUNT 244 INTRODUCTION TO FINANCIAL ACCOUNTING 3 u

An introduction to financial accounting emphasizing the accounting cycle, basic financial statements, and discussions of cash, receivables, inventories, long-term assets, liabilities, and stockholders' equity.
Prereq: 24 units

ACCOUNT 249 INTRODUCTION TO MANAGERIAL ACCOUNTING 3 u

Interpretation and use of accounting data by management in planning and controlling business activities. Problems of internal management are stressed; however, the use of accounting data by investors and potential investors is discussed. Non-accounting majors who have already received credit for ACCOUNT 342 may not receive credit for this course.
Prereq: ACCOUNT 244. Unreq: ACCOUNT 342.

ACCOUNT 341/541 INTERMEDIATE ACCOUNTING I 3 u

This course focuses on accounting for assets (except investments) such as cash, receivables, inventories, plant assets, and intangible assets. This course also presents a detailed discussion of the standard-setting process, conceptual framework, accounting cycle, income statement of financial position, and the theoretical and practical aspects of the time-value of money in accounting.
Prereq: ACCOUNT 244, ACCOUNT 701 or consent of department.

ACCOUNT 342 COST MANAGEMENT I 3 u

The relevancy of accounting information in decision making, including cost concepts, cost behavior decision models, budgeting, and performance evaluation. Non-accounting majors who have already received credit for ACCOUNT 249 may not receive credit for this course.
Prereq: ACCOUNT 244. Unreq: ACCOUNT 249.

ACCOUNT 343/543 INTERMEDIATE ACCOUNTING II 3 u

This course continues the coverage of financial accounting topics started in ACCOUNT 341/541. Specific topics include accounting of investments, current liabilities, long-term liabilities (bonds, notes, leases, pensions), stockholders' equity, deferred income taxes, accounting changes, and other specialized financial accounting topics. This course emphasizes the application, interpretation, and analysis of accounting principles and procedures for complex accounting and reporting topics.
Prereq: ACCOUNT 341.

ACCOUNT 451/651 TAX I 3 u

This course examines federal income tax laws and regulations with a specific emphasis on the individual taxpayer, particularly of employees and sole proprietors. This course includes an overview of current taxation proposals, a discussion of practical problems in tax planning and practice in the preparation of individual tax returns. Tax research on related issues is also included.
Prereq: ACCOUNT 244, ACCOUNT 701 or consent of department.

ACCOUNT 452 TAX II 3 u

A study of federal income tax laws with special emphasis on the treatment of corporations (C and S), partnerships, estate and gift tax, income tax of estates and trusts, taxation of exempt entities, and tax research.

Prereq: ACCOUNT 451 and 2.5 G.P.A. in ACCOUNT 341, ACCOUNT 342 and ACCOUNT 343.

ACCOUNT 454 ACCOUNTING INFORMATION SYSTEMS 3 u

A study of the objectives and design of financial information systems. The impact of information technology on the gathering, processing and reporting of financial and operating information. Applications in financial information systems analysis and design with emphasis on the information requirements for business decision making and improvement to business processes.
Prereq: A 2.5 G.P.A. in ACCOUNT 341, ACCOUNT 342 and ACCOUNT 343.

ACCOUNT 456 COST MANAGEMENT II 3 u

An in-depth study of product costing including cost allocations, process costing, job order costing, activity-based costing, standard costs and variance analysis.
Prereq: ACCOUNT 342, or ACCOUNT 249 and consent of department

ACCOUNT 458 ADVANCED MANAGERIAL ACCOUNTING 3 u

This course will investigate the importance, use, and limitations of accounting information in economic, financial, and management decision models. In addition, this course will examine the accountant's communicative role in providing information to decision makers, including ethical considerations.
Prereq: Senior Status and ACCOUNT 341, ACCOUNT 451, MANGEMNT 306 and ACCOUNT 456 or ACCOUNT 249 and consent of department

ACCOUNT 459 SPECIAL FINANCIAL ACCOUNTING TOPICS 3 u

A continuation of the financial accounting coverage started in Intermediate I and Intermediate II. Major areas include: 1) a comprehensive examination of EPS, 2) partial operations and SEC reporting requirements, and 3) Revenue Recognition. Also, recent Pronouncements not covered in ACCOUNT 341 and ACCOUNT 343 will be covered.
Prereq: ACCOUNT 343.

ACCOUNT 461 ADVANCED ACCOUNTING 3 u

This course presents an indepth examination of accounting for business combinations including mergers, parent-subsidiary relationships, and consolidated statements. It also covers accounting for partnerships, foreign currency translations, and an introduction to international accounting.
Prereq: A 2.5 GPA in ACCOUNT 341, ACCOUNT 342 and ACCOUNT 343.

ACCOUNT 463 ACCOUNTING FOR NONPROFIT ORGANIZATIONS 3 u

This course is designed to provide students with an in-depth study of accounting for state and local governments, colleges and universities, health-care entities, and voluntary health and welfare organizations. Special topics include auditing non-profit entities, analysis of governmental financial statements, and accounting for special-purpose entities. Finally, students will examine the differences between private and public sector accounting, including ethical considerations in the public sector.
Prereq: A 2.5 GPA in ACCOUNT 341, ACCOUNT 342 and ACCOUNT 343.

ACCOUNT 465 AUDITING 3 u

Auditing, attestation, and assurance services. Materiality, audit risk, and evidence. Audit planning, sampling, and assessing internal controls. Tests of controls and substantive tests. Auditing EDP systems. Audit reports. AICPA standards, professional ethics, and legal liability.
Prereq: ACCOUNT 454 and 2.5 GPA in ACCOUNT 341, ACCOUNT 342 and ACCOUNT 343.

ACCOUNT 483/683 INTERNATIONAL ACCOUNTING 3 u

This course examines the international dimension of accounting and financial reporting. It provides an indepth look at multinational enterprises (MNE), including a detailed comparison of financial reporting issues in different countries. Topics include (a) international standard-setting process, (b) attempts towards harmonization, (c) foreign currency translations and accounting for changing prices, (d) international financial statement analysis, (e) managerial planning and control, and (f) international taxation and transfer pricing.

Prereq: ACCOUNT 343, or consent of instructor

ACCOUNT 490/690 WORKSHOP Repeatable 1-3 u**ACCOUNT 493 INTERNSHIP IN ACCOUNTING 2-6 u**

An opportunity for selected upperclassman to gain work experience in one of the various areas of accounting practice during a semester or summer. Course includes close faculty-employer coordination and an appropriate written report on the work experience. Repeatable.

Prereq: Consent of department

ACCOUNT 496/696 SPECIAL STUDIES Repeatable 1-3 u**ACCOUNT 497 EXCHANGE STUDY Repeatable 1-12 u****ACCOUNT 498 INDEPENDENT STUDIES 1-3 u**

Repeatable. Prereq: Consent of department

DEPARTMENT OF INFORMATION TECHNOLOGY AND BUSINESS EDUCATION

Phone: 262-472-1322 E-Mail: bused@unm.edu

Faculty: John Chenoweth, Mary Margaret Hosler, Kenneth Luterbach, Marcia James (Chairperson), Richard James, Jean Mausehund, Jo Ann Oravec, Robert Schramm, Bambi Statz, Roger Yin, Donald K. Zahn.

The Business Education program at this university is nationally known. The program won the National Programs of Excellence Award in 1994 and in 1997. Business teachers are prepared in content and methodology which are complemented by field experiences. Graduates are marketable in education and business settings.

The Computer End-User Technologies major/minor is offered for individuals who like to work with people and computers. End-user computing, network administration, web page design and administration, and human factor considerations are learned and applied in realistic business projects and internships. Graduates are qualified for positions such as software trainers, PC support specialists, network administrators, and web page designer.

MAJOR/EMPHASES

By completing the Business Education program, students will be eligible for the Department of Public Instruction License 250. This license enables graduates to teach business subjects at grades 6-12; business teachers often serve as coordinators of cooperative vocational education programs and advisors of a student organization.

Students can validate business-related work experience to obtain DPI License 281 (Vocational). Some of the necessary hours for vocational certification can be acquired through BSEDCNA 470 Directed Occupational Practice. Also, and add-on DPI license for elementary keyboarding is available.

BUSINESS EDUCATION (BSE)**LICENSURE - 40-42 UNITS**

1. EDFOUND 212 AND EDFOUND 425
2. EDFOUND 243
3. SECNDED 441, SECNDED 442 AND SECNDED 444
4. SECNDED 466
5. SELECT 2 UNITS FROM COURSE CIFLD 210
6. STUDENT TEACHING
SELECT 2 UNITS FROM CIFLD 402 AND 12 UNITS FROM
CIFLD 414 OR SELECT 2 UNITS FROM CIFLD 404 AND
12 UNITS FROM CIFLD 412
7. SELECT 3 UNITS FROM COURSE CIFLD 492
8. SELECT 3 UNITS FROM SPECED 205
9. SELECT 0-2 UNITS FROM CIFLD 413

MAJOR - 43 UNITS

1. ITBE 245, ITBE 300, ITBE 221, COMPSCI 181
2. ACCOUNT 244, ITBE 353, FNBSLW 341 AND MARKETNG
311
3. ACCOUNT 498 (1 u.), ITBE 344, ITBE 447,
ITBE 460, ITBE 461 AND ITBE 462
4. ITBE 141
5. SELECT 3 ELECTIVE BUSINESS UNITS EXCEPT
ECON 201 (GS) AND ECON 202 (GS)

MAJOR - UNIQUE REQUIREMENT - 6 UNITS

1. ECON 201 (GS) RLS
2. ECON 202 (GS) RLS

The Business Education Marketing Education Comprehensive major allows the students to obtain two Department of Public Instruction licensures-250 Business and 285 Marketing. School districts favor this combination as it gives them flexibility in staffing. In order to obtain the DPI 285 license, the students must validate their marketing-related work experience. Some of the necessary hours for vocational certification can be acquired through BSEDCNA 470 Directed Occupational Practice. Also, an add-on DPI license for elementary keyboarding is available.

**BUSINESS EDUCATION MARKETING
EDUCATION COMPREHENSIVE (BSE)****LICENSURE - 42-44 UNITS**

1. EDFOUND 212 AND EDFOUND 425
2. EDFOUND 243
3. SECNDED 440, SECNDED 441, SECNDED 442, AND SECND-
ED 444
4. SECNDED 466
5. SELECT 2 UNITS FROM COURSE CIFLD 210
6. STUDENT TEACHING
SELECT 2 UNITS FROM CIFLD 402 AND 12 UNITS FROM
CIFLD 414 OR SELECT 2 UNITS FROM CIFLD 404 AND
12 UNITS FROM CIFLD 412
7. SELECT 3 UNITS FROM CIFLD 492
8. SELECT 3 UNITS FROM SPECED 205
9. SELECT 0-2 UNITS FROM CIFLD 413

MAJOR - 55 UNITS

1. ITBE 300, ITBE 141, FNBSLW 341
2. ACCOUNT 244, ACCOUNT 498 (1 u.), ITBE 353
AND MARKETNG 311
3. ITBE 447, ITBE 460, ITBE 461, ITBE 462
4. MARKETNG 337, MARKETNG 420, MARKETNG 351
5. ITBE 245, ITBE 221, COMPSCI 181, AND ITBE 344
6. SELECT 6 UNITS FROM THE FOLLOWING:

MARKETNG 349, MARKETNG 350, MARKETNG 361,
MARKETNG 429, MANGEMNT 387, ITBE 470

MAJOR - UNIQUE REQUIREMENT - 6 UNITS

1. ECON 201 (GS) RLS
2. ECON 202 (GS) RLS

MARKETING EDUCATION (BSE)

LICENSURE - 36 UNITS

1. EDFOUND 212 AND EDFOUND 425
2. EDFOUND 243
3. SECNDED 440 AND SECNDED 466
4. SELECT 2 UNITS FROM COURSE CIFLD 210
5. STUDENT TEACHING
SELECT 2 UNITS FROM CIFLD 402 AND 12 UNITS FROM
CIFLD 414 OR SELECT 2 UNITS FROM CIFLD 404 AND
12 UNITS FROM CIFLD 412
6. SELECT 3 UNITS FROM COURSE CIFLD 492
7. SELECT 3 UNITS FROM SPECED 205

MAJOR - 43 UNITS

1. ACCOUNT 244, ACCOUNT 498, FNBSLW 341
2. ITBE 141, ITBE 300, ITBE 353
3. ITBE 447, ITBE 460, ITBE 461, ITBE 462
4. MARKETNG 311, MARKETNG 337, MARKETNG 351, MAR-
KETNG 420
5. SELECT 6 UNITS FROM THE FOLLOWING:
MARKETNG 349, MARKETNG 350, MARKETNG 361,
MARKETNG 429, MANGEMNT 387, ITBE 470

MAJOR - UNIQUE REQUIREMENT - 6 UNITS

1. ECON 201 (GS) RLS
2. ECON 202 (GS) RLS

INFORMATION TECHNOLOGY INFRASTRUCTURE (BBA)

MAJOR - 27 UNITS

1. COMPSCI 172, COMPSCI 181, MCS 214, ITBE 221, ITBE 331,
ITBE 332, ITBE 451 AND ITBE 452
2. SELECT 3 UNITS FROM COURSES
ITBE 493, ITBE 485, OR ITBE 495

For those students who may take a non-teaching minor and who wish to prepare themselves for entry level employment in the field of business as an end-user specialist in computer end-user technologies, a minor has been developed.

MINOR

INFORMATION TECHNOLOGY

MINOR - 21 UNITS

1. COMPSCI 172 AND COMPSCI 181
2. MCS 214 AND ITBE 221
3. NINE UNITS OF RELATED COMPUTER WORK TO BE
CHOSEN WITH THE AID OF AN IT ADVISOR AND AP-
PROVED BY THE ITBE DEPARTMENT CHAIR

COURSE DESCRIPTIONS

ITBE 141 CONCEPTS OF BUSINESS

3 u

Introduction to the organization and operation of the business enterprise system in the American economic system and in a global economy; surveying management, marketing, production, accounting, finance, administrative support, and risk management; career exploration for those in the process of selecting a career; utilizes microcomputer in quantifying business decisions. This course is open to all who have not completed or are currently enrolled in three or more courses from the business and economics area.

ITBE 221 INFORMATION TECHNOLOGY INFRASTRUCTURE

3 u

This course includes a detailed investigation of the primary infrastructure components of modern information systems. In particular the course focuses on computer hardware and networking components, infrastructure troubleshooting methodologies and tools, and networking protocols.

Prereq: Pre-Business, Business Education, MCS, or IT Infrastructure Engineer major

ITBE 245 TECHNOLOGY APPLICATIONS FOR BUSINESS TEACHERS

3 u

Future business teachers will demonstrate the ability to use the keyboard while applying the touch method. They also will learn how to format business documents, demonstrate a level of competence in spreadsheet applications and presentation graphics, apply desktop publishing principles, understand the content of a course in study skills, and apply rules of the English language to written exercises and business documents.

Prereq: Business Education, Business & Marketing Education Comprehensive majors, and MSBE students (Secondary emphasis).

ITBE 300/500 INTRODUCTION TO BUSINESS AND MARKETING EDUCATION

3 u

This course is designed to introduce business and marketing education majors to the professions structure, standards, issues, expectations, and career development procedures.

Prereq: Junior standing and a Business Education major

ITBE 331 SYSTEM ADMINISTRATION

3 u

This course provides in depth coverage of the best practices for administering network systems. Students will be expected to demonstrate an ability to administer network operating systems (NOS) and applications.

Prereq: ITBE 221; COMPSCI 172; COMPSCI 181

ITBE 332 NETWORK MANAGEMENT

3u

This course provides in depth coverage of the best practices for managing wide area network (WAN) components. Students will be expected to demonstrate an ability to manage network interconnection devices, such as routers and switches. The course will focus on designing appropriate data link (OSI Layer 2) and Internet layer (OSI Layer 3) architectures.

Prereq: ITBE 221; COMPSCI 172; MCS 214

ITBE 344 CONSUMER EDUCATION AND PERSONAL FINANCE

3 u

Study for managing personal and household resources; utilizing sources of consumer information and protection; handling the continuous decisions encountered with personal finance relative to goals, financial analysis, insurances, income taxes, borrowing, banking, housing, household operation, savings, investments; utilizes the microcomputer and compound interest tables in the decision process.

ITBE 353 BUSINESS COMMUNICATION

3 u

Instruction in and application of the principles and practices of communication used in business and the professions. This includes the writing of short and long reports, letters, and memos as well as the sending and receiving of oral and nonverbal messages—special attention is given to oral presentations. Basic language skills are emphasized.

ITBE 356 BUSINESS COMMUNICATION ISSUES AND PRACTICES 2 u

An in depth analysis of business communication issues and practices as they occur in today's business environment. Special emphasis is given to development of business writing and presentation skills including technologies and human factors affecting the business climate as they apply to business decision making, report writing, and communication systems. Prereq: BSEDCNA 353

ITBE 377 INFORMATION SYSTEMS MANAGEMENT 3 u

To prepare the student for performance as a director of an information systems installation including organization and policies, planning and scheduling, operating controls, equipment utilization, budgeting and costing practices, and performance analysis.

Prereq: MANGEMNT 376 or MANGEMNT 480 or COMPSCI 271 or MCS 220.

ITBE 388 CAREER INFORMATION 1 u

Offered on a satisfactory/no credit basis only. A presentation of techniques of self-analysis in preparation for the job search. The job search includes resume, cover letter, and interview preparation. Also included are the various types of correspondence necessary in the job search.

Restricted to BBA majors. Prereq: Restricted to students with at least 75 units.

ITBE 445/645 COMPUTER END-USER INFORMATION MANAGEMENT 3u

This course provides a detailed treatment of information and media management. Media is defined as the information storage format, and includes paper, microrecords, electronic, and other forms of information generation, recording, and storage. Students will develop an understanding of the information life cycle, information value, and how information serves as a critical organizational asset.

Prereq: BSEDCNA 255, BSEDCNA 347, BSEDCNA 348 and Computer End User Technologies major or minor

ITBE 447/647 INFORMATION SYSTEMS FOR BUSINESS TEACHERS 3 u

A study of the concepts, procedures, and hardware used in business with an emphasis on E-mail, Internet, and multimedia. Distance learning technology will be examined as one means of integrating information systems throughout the business education curriculum.

ITBE 451 MANAGING INFORMATION TECHNOLOGY SYSTEMS 3 u

This course covers material appropriate for individuals who may be expected to manage IT people and resources. Topics include business continuity planning, developing service level agreements, change management / revision control, capacity planning, impact analysis, testing, communication with vendors, customers and other constituents, and managing IT professionals.

Prereq: ITBE 331 and ITBE 332

ITBE 452 INFORMATION ASSURANCE AND SECURITY 3 u

This course provides an in depth investigation into meeting the security needs of modern IT systems. Students will be expected to demonstrate an ability to establish security policies and configure security devices and software.

Prereq: ITBE 331 and ITBE 332

ITBE 454 COMPUTER END-USER SYSTEMS MANAGEMENT 3u

This course integrates, through case studies or other comprehensive capstone experiences, the application of concepts, theories, and skills associated with end-user systems as they contribute to the solution of business problems. Selected topics will emphasize current technological advancements and

computer end-user systems management concerns.

Prereq: BSEDCNA 347, BSEDCNA 348 and Computer End-User Technologies major or minor.

ITBE 460/660 PRINCIPLES OF CAREER AND TECHNICAL EDUCATION 2 u

History and development of vocational education both in the United States and Wisconsin are explored. The administrative structure of vocational education at the local, state, and national levels is outlined. Vocational program areas are discussed with emphasis given to issues, trends, and problems in vocational education. Meets the Department of Public Instruction's course requirement for vocational certification and fulfills one of the certification requirements of the Wisconsin Technical College System.

ITBE 461/661 ORGANIZATION AND ADMINISTRATION OF COOPERATIVE EDUCATION PROGRAMS 3 u

Study of vocational/occupational programs which utilize the internship/youth apprenticeship/cooperative method of instruction. Includes the knowledge and procedures necessary to implement the quality components of an occupational program. Current issues facing vocational education are to be discussed. The cooperative method, procedures, and techniques are stressed. Meets the Department of Public Instruction's course requirement for vocational certification.

Prereq: BSEDCNA 460/660 or equivalent.

ITBE 462/662 COORDINATION TECHNIQUES 1 u

This course covers techniques of how a vocational education teacher can successfully coordinate a vocational program using the cooperative method. Students will have the opportunity to demonstrate their skill in coordination techniques through simulation and role playing. Specific topical areas covered are how to: locate job training sites, sell the employer on program participation, articulate the classroom curriculum with the cooperative experience, evaluate the student's work performed, and supervise on-the-job problems.

Prereq: BSEDCNA 460/660 or equivalent.

ITBE 470 DIRECTED OCCUPATIONAL PRACTICE 1-3 u

A course for selected upper level students to gain work experience in an area of business education, marketing (distributive) education, or computer technologies during a semester or summer. The culmination of this experience is a written report detailing the work experience and its contribution to the overall development of the student's career plan.

ITBE 480 MANAGEMENT INFORMATION SYSTEMS 3 u

Study of the "total systems" concept. Understanding of an integrated information system, employing a computer and data processing equipment for use by management for planning and control purposes. Analysis of actual information systems used in industry and the government. This course may not be used to satisfy Management Computer Systems major requirements.

Prereq: 75 units toward degree.

ITBE 485 PROJECT 1-3 u

This course provides students with the opportunity to participate on a student project team under the management of a faculty member and industry practitioners. The project will be sponsored by a partnering business firm or organization and may involve a wide array of technologies, functional areas and geographically dispersed teammates. This course will only be offered when projects are available. Students will be carefully chosen through an interview process. The number of credits will be determined by the complexity of the project and the level of student involvement.

Prereq: Consent of Department

ITBE 490/690 BUSINESS EDUCATION WORKSHOP 1-3 u

Repeatable. Prereq: Jr or sr st and cons instr.

ITBE 493 COMPUTER END-USER INTERNSHIP *Repeatable* 1-3 u

This course is designed to provide the senior-level student an opportunity to assist with the planning and implementation of computing technologies in the real world. Students may perform software/hardware training/consulting and/or end-user support duties. Students will meet periodically with the instructor to discuss the internship experience.

Prereq: BSEDCNA 255 and consent of faculty member.

ITBE 495 EMERGING TECHNOLOGIES 3u

This course provides students with the opportunity to immerse in new, innovative, and emerging technologies for both individual users and businesses. Students will conduct thorough cost-benefit and assorted front-end analyses and help write or rewrite business plans and/or IT strategic plans based on the needs identified in adopting emerging technologies or starting up a business related to a particular new technological solution. Students will participate on a project team under the management of a faculty member and/or industry professional. This will be a three credit hour elective course for all ITBE majors and minors.

Prereq: ITBE 331 and ITBE 332

ITBE 496/696 SPECIAL STUDIES 1-3 u

Repeatable. Prereq: Cons instr.

ITBE 497 EXCHANGE STUDY *Repeatable* 1-12 u**ITBE 498 INDEPENDENT STUDIES IN BUSINESS EDUCATION** 1-3 u

Offered on a satisfactory/no credit basis only. Repeatable for a maximum of 3 units in major/degree. Prereq: Sr st and cons dept chp.

DEPARTMENT OF ECONOMICS

Phone: 262-472-1361 E-Mail: economics@unm.edu

Faculty: John Dominguez, Mark Eiswerth, Stuart Glosser, Jeffrey Heinrich, Russ Kashian, Jerome Laurent, L. Denton Marks, Susan Parks, Thomas Schweigert, Mark Skidmore (Chairperson).

Economics occupies a unique position in the academic curriculum. It is a social science concerned with choices made by individuals and society regarding resource allocation. At the same time, economics is essential to understanding the business world and provides the foundation for applications in accounting, finance, management and marketing.

There are a variety of ways to include economics in an undergraduate degree. Students can major in economics within the College of Letters and Sciences or within the College of Business and Economics. Students from the College of Letters and Sciences can combine a major in economics with a professional minor in business studies. Students from the College of Business and Economics or the College of Letters and Sciences who are not economics majors can obtain a minor in economics. Students in the College of Education can obtain a BSE with a major in economics.

Economics is divided into economic theory, quantitative methods and a variety of applied subfields. The department offers courses in Comparative Economics, Economic Development, Economics of Health Care, Industrial Organization, International Economics, Labor, Managerial Economics, Monetary Economics, Natural and Environmental Resource Economics, Public Economics, and Urban and Regional Economics. Economic theory and quantitative methods provide students with analytical skills and with the tools of empirical investigation.

An economics education opens up opportunities for career paths in business, government, nongovernmental and nonprofit organizations, journalism and

education. Economics is valuable as a major or minor for those planning to pursue further professional or graduate training; MBA, law, public policy and administration, industrial and labor relations, and international relations. Students who are considering graduate work in economics or related business disciplines should consider a minor in mathematics or a double major in economics and mathematics.

MAJORS/EMPHASES

The department offers the following three emphases. All students pursuing an emphasis must take Economics 201, 202, 301, 302 and 402 (for BA or BS) or 345 (for BBA).

These are particularly useful for those interested in policy-related careers. Economics provides intellectual tools fundamental to the origination, development, and critique of policy in the business, nonprofit, and public sectors.

International Emphasis: This emphasis is of value to students seeking a career in business, government or non-governmental organizations involved with the increasing globalization of the world economy. It provides students with a comprehensive background in: international trade and trade policy; international finance and exchange rates; multinational enterprise and foreign investment; economic growth and development in developing and transition economies; comparative economic systems.

Courses:

ECON 360 Growth and Development in the World Economy
 ECON 401 International Economics
 ECON 406 International Finance and Banking
 ECON 431 Economics of Globalization
 ECON 451 Economies of Asia
 ECON 459 Comparative Economic Systems

Economics and Business Policy Emphasis: This emphasis is of value for careers involving strategic and tactical planning in the private sector. It develops skills in issue/problem identification and definition, formulation of hypotheses, model-building and model-testing. Business policy involves some or all of the core business areas such as marketing, finance, and accounting, but takes a broader view of the overall role of the firm and the industry in which it operates. Courses of particular interest include:

ECON 301/501 Intermediate Microeconomic Analysis
 ECON 302/502 Intermediate Macroeconomic Analysis
 ECON 341 Government and Business
 ECON 345 Business Statistics II
 ECON 353 Labor Markets and Labor Policies
 ECON 354 Money and Banking
 ECON 401 International Economics
 ECON 402 Business Cycles
 ECON 406 International Finance and Banking
 ECON 437 Managerial Economics
 ECON 441/641 Industrial Organization and Competitive Strategies

Students completing this emphasis will be well prepared for direct entry into a business career path or for further graduate or professional study (e.g., a general or specialized MBA).

Economics and Public Policy Emphasis: This emphasis is for those seeking a career in government: in the civil service; as an elected official. Also careers involving formulation of public policy through organizations as diverse as trade associations and nonprofit organizations. Courses of particular interest include:

ECON 301/501 Intermediate Microeconomic Analysis
 ECON 302/502 Intermediate Macroeconomic Analysis
 ECON 324 Cooperatives
 ECON 353 Economics of Labor Markets and Labor Policies
 ECON 356 Public Finance
 ECON 360 Growth and Development in the World Economy
 ECON 401 International Economics
 ECON 406 International Finance and Banking

BUSINESS AND ECONOMICS

ECONOMICS 111

ECON 438/638 Urban, Regional, and Transport Economics
ECON 445 Economics of Health Care
ECON 459/659 Comparative Economic Systems
ECON 471 Natural Resource and Environmental Economics

Students completing this emphasis will be prepared either for direct entry into careers in public policy analysis in the public or private sector or for further graduate or professional study in areas such as Public Policy Analysis or Public Administration. The curriculum relevant to those particularly interested in public policy toward business (e.g., business regulation, trade policy) are referred to the discussion of the Economics and Business Policy Emphasis.

ECONOMICS (BBA)

MAJOR - 21 UNITS

1. ECON 345, ECON 301 AND ECON 302
2. SELECT 12 UNITS (COURSE LEVEL 300 OR 400) FROM ECONOMICS DEPARTMENT

ECONOMICS - BUSINESS POLICY EMPHASIS (BBA)

MAJOR - 27 UNITS

1. ECON 301, ECON 302, ECON 345
2. SELECT 12 ELECTIVE UNITS FROM THE FOLLOWING:
ECON 341, ECON 353, ECON 354, ECON 402, ECON 437, ECON 441, OR ECON 493
3. SELECT 6 UNITS FROM
MARKETNG 321, MARKETNG 479, MANGEMNT 471, OR MANGEMNT 484

ECONOMICS - INTERNATIONAL ECONOMICS EMPHASIS (BBA)

MAJOR - 27 UNITS

1. ECON 301, ECON 302, ECON 345
2. SELECT 12 UNITS IN THE FOLLOWING:
ECON 301, ECON 360, ECON 401, ECON 406, ECON 431, ECON 451, OR ECON 459
3. SELECT 6 UNITS FROM:
SPEECH 424, FNBSLW 410, MANGEMNT 410, MARKETNG 361, POLISCI 350, POLISCI 351, OR GEOGRPY 332

ECONOMICS - PUBLIC POLICY EMPHASIS (BBA)

MAJOR - 27 UNITS

1. ECON 301, ECON 302, ECON 345
2. SELECT 12 UNITS FROM THE FOLLOWING:
ECON 324, ECON 341, ECON 345, ECON 353, ECON 356, ECON 438, ECON 445, ECON 471, OR ECON 493
3. SELECT 6 UNITS FROM:
POLISCI 330, POLISCI 344, GEOGRPY 340, GEOGRPY 350, GEOGRPY 440

ECONOMICS (BA/BS)

Students in the College of Letters and Sciences are required to have:

1. a minimum overall GPA of 2.0.
2. a minimum grade point of 2.0 in their major.

MAJOR - 27 UNITS & 2.00 GPA

1. ECON 201 (GS), ECON 245, ECON 404, ECON 301 AND ECON 302
2. SELECT 12 ELECTIVE UNITS (300 AND 400) IN ECONOMICS

UNIQUE MAJOR AND WRITING REQ. - 9-11 UNITS

1. ECON 202 (GS) AND BSEDCNA 353 RLS
2. MATH 243 (GM) OR MATH 250 (GM) RLS

AN APPROVED MINOR IS REQUIRED FOR THIS MAJOR

ECONOMICS - INTERNATIONAL ECONOMICS EMPHASIS (BA/BS)

MAJOR - 33 UNITS

1. ECON 201 (GS), ECON 245, ECON 301, ECON 302 AND ECON 404
2. SELECT 12 ELECTIVE UNITS FROM:
ECON 301, ECON 360, ECON 401, ECON 406, ECON 431, ECON 451, OR ECON 459
3. SELECT 6 UNITS FROM
SPEECH 424, FNBSLW 410, MANGEMNT 410, MARKETNG 361, POLISCI 350, POLISCI 351, GEOGRPY 332

UNIQUE MAJOR AND WRITING REQUIREMENT - 9-11 UNITS

- A. ECON 202 (GS) AND BSEDCNA 353
- B. MATH 342 OR MATH 250

ECONOMICS - PUBLIC POLICY EMPHASIS (BA/BS)

MAJOR - 33 UNITS

1. ECON 201(GS), ECON 245, ECON 301, ECON 302, ECON 404
2. SELECT 12 UNITS FROM THE FOLLOWING:
ECON 324, ECON 341, ECON 345, ECON 353, ECON 356, ECON 438, ECON 445, ECON 471, OR ECON 492
3. SELECT 6 UNITS FROM THE FOLLOWING:
POLISCI 330, POLISCI 344, GEOGRPY 340, GEOGRPY 350 OR GEOGRPY 440

UNIQUE MAJOR AND WRITING REQUIREMENT - 9-11 UNITS

- A. ECON 202 (GS) AND BSEDCNA 353
- B. MATH 243 OR MATH 250

ECONOMICS (BSE)

LICENSURE - 37-38 UNITS

1. SECNDED 466
2. EDFOUND 243 OR EDFOUND 445
3. SELECT 2 UNITS FROM CIFLD 210
4. STUDENT TEACHING
SELECT 2 UNITS FROM CIFLD 402 AND 12 UNITS FROM CIFLD 414 OR SELECT 2 UNITS FROM CIFLD 404 AND 12 UNITS FROM CIFLD 412
5. SECNDED 430
6. GEOGRPY 252 (GS) OR BIOLOGY 214 (GM) RLS
7. ECON 213 OR ECON 324 RLS
8. EDFOUND 212 AND EDFOUND 425
9. SELECT 3 UNITS FROM COURSE SPECED 205

MAJOR - 34 UNITS

1. ECON 245, ECON 404, ECON 301, ECON 302 AND ECON 459
2. ECON 201 (GS) OR ECON 213
3. SELECT 16 UNITS (COURSE LEVEL 300 OR 400) FROM ECONOMICS DEPT

WRITING - 3 UNITS

1. BSEDCNA 353 RLS

AN APPROVED MINOR IS REQUIRED FOR THIS MAJOR

112 ECONOMICS

SOCIAL STUDIES BROADFIELD - ECONOMICS I EMPHASIS (BSE)

LICENSURE - 42-43 UNITS

1. SECNDED 466
2. EDFOUND 243 OR 445
3. SELECT 2 UNITS FROM CIFLD 210
4. STUDENT TEACHING
SELECT 2 UNITS FROM CIFLD 402 AND 12 UNITS FROM CIFLD 414 OR SELECT 2 UNITS FROM CIFLD 404 AND 12 UNITS FROM CIFLD 412
5. SECNDED 430
6. GEOGRPY 252 (GS) OR BIOLOGY 214 (GM) RLS
7. ECON 213 OR ECON 324 RLS
8. EDFOUND 212 AND EDFOUND 425
9. SELECT 3 UNITS FROM COURSE CIFLD 492
10. SELECT 3 UNITS FROM SPECED 205

MAJOR - 54 UNITS

1. ECON 245, ECON 404, ECON 301, ECON 302 AND ECON 459
2. ECON 201(GS) OR ECON 213
3. SELECT 16 UNITS FROM ECONOMICS COURSES AT THE 300 OR 400 LEVEL
4. SELECT 20 UNITS FROM AT LEAST 2 OF THE SOCIAL SCIENCE AREAS EXCLUDING CORE COURSES

WRITING - 3 UNITS

1. BSEDCNA 353 RLS

SOCIAL STUDIES BROADFIELD - ECONOMICS II EMPHASIS (BSE)

LICENSURE - 42-43 UNITS

1. SECNDED 466
2. EDFOUND 243 OR EDFOUND 445
3. SELECT 2 UNITS FROM CIFLD 210
4. STUDENT TEACHING
SELECT 2 UNITS FROM CIFLD 402 AND 12 UNITS FROM CIFLD 414 OR SELECT 2 UNITS FROM CIFLD 404 AND 12 UNITS FROM CIFLD 412
5. SECNDED 430
6. GEOGRPY 252 (GS) OR BIOLOGY 214 (GM) RLS
7. ECON 213 OR ECON 324 RLS
8. EDFOUND 212 AND EDFOUND 425
9. SELECT 3 UNITS FROM COURSE CIFLD 492
10. SELECT 3 UNITS FROM SPECED 205

MAJOR - 54 UNITS

1. ECON 245, ECON 404, ECON 301 AND ECON 302
2. ECON 201 (GS) OR ECON 213
3. SELECT 7 ELECTIVE UNITS FROM ECONOMICS COURSE LEVEL 300 OR 400
4. SELECT 32 UNITS FROM AT LEAST 3 OF THE SOCIAL SCIENCE AREAS EXCLUDING CORE COURSES

WRITING - 3 UNITS

1. BSEDCNA 353 RLS

MINOR/EMPHASES

ECONOMICS - L&S EMPHASIS

BUSINESS AND ECONOMICS

MINOR - 21 UNITS

1. ECON 201 (GS) AND ECON 202 (GS)
2. SELECT 15 UNITS FROM ECONOMICS NUMBERED ECON 240 OR HIGHER. IF YOU ARE A BBA STUDENT, THE ECON COURSES APPLIED TO YOUR DEGREE REQUIREMENTS WILL NOT BE LISTED HERE BUT THEY CAN BE APPLIED TO THE MINOR; CHECK WITH THE ECON DEPT FOR INFORMATION.

ECONOMICS EDUCATION EMPHASIS

MINOR - 22 UNITS

1. ECON 201(GS) , ECON 202 (GS) AND ECON 459
2. SELECT 13 UNITS FROM ECONOMICS NUMBERED ECON 240 OR HIGHER

COURSE DESCRIPTIONS

ECON 201 PRINCIPLES OF MICRO- ECONOMICS GS 3 u

Consumer and firm behavior. Market supply and demand and the price system. Monopoly and imperfectly competitive market structures. The pricing of factors of production and the distribution of income. Additional topics may include: poverty, growth and development; international trade. Conventional grade basis only if course is required in the College of Business for major.
Unreq: ECON 212.

ECON 202 PRINCIPLES OF MACRO- ECONOMICS GS 3 u

The economic problem: allocating scarce resources among alternative uses. The role of the market: supply and demand. The aggregate economy: output, income, employment and inflation. The nature and role of money. The effect of government expenditure and taxation on the economy. Conventional grade basis only if course is required in the College of Business for major.
Prereq: ECON 201

ECON 213 ECONOMIC PRINCIPLES FOR TEACHERS 3 u

Price-determination, income-distribution, and resource allocation in the market economy, including profit-making and cooperative business organizations. International trade, economic growth, and the role of government are examined. Satisfies the state teacher certification requirements of instruction in cooperatives.
Prereq: Sophomore standing. Unreq: ECON 201 or ECON 212.

ECON 245 BUSINESS STATISTICS I 3 u

An introduction to descriptive statistics, probability theory and statistical inference. Graphical and numerical methods of summarizing data. Probability concepts and theoretical probability distributions. Sampling and sampling distributions. Estimation, confidence intervals and hypothesis testing. Correlation and regression analysis. The course emphasizes the application and interpretation of statistical techniques.
Prereq: MATH 143.

ECON 301 INTERMEDIATE MICROECONOMIC ANALYSIS 3 u

Consumer and firm behavior. Theories of consumption and production. Pricing of products and factors of production under different market structures. General equilibrium. Market failure, externalities and public goods.
Prereq: ECON 201 OR ECON 212

ECON 302/502 INTERMEDIATE MACROECONOMIC ANALYSIS 3 u

Measuring the aggregate economy: national income and product accounting,

inflation and unemployment. The nature and role of money and interest rates in the macroeconomy. The effects of monetary and fiscal policies on output, employment and inflation in the short and long run. Economic fluctuations and growth.

Prereq: ECON 202 OR ECON 211

ECON 324 COOPERATIVES 2 u

A study of production, marketing, consumer and service cooperatives. Also covers history, principles, theory of cooperation, legislation, financing, taxation, etc. Students should develop an understanding of how cooperatives fit into our social and economic life.

ECON 341 GOVERNMENT AND BUSINESS 3 u

Development of public policies toward business. Constitutional powers and limitations of the federal government. Laws and key Supreme Court cases dealing with monopoly, business practices and public utility regulation. River valley development, oil and natural gas policy and problems of public ownership.

Prereq: ECON 201 or ECON 212.

ECON 345/545 BUSINESS STATISTICS II 3 u

The second course in statistics is a course in applied regression analysis. It begins with a review and extension of descriptive statistics, probability and statistical inference as presented in a first course before going on to a detailed treatment of simple and multiple regression.

Prereq: ECON 245.

**ECON 351/551 THE ECONOMIES OF ASIA GS 3 u
(EMERGING MARKETS)**

A comparative study of the economic structures, institutions and processes of the nations of Asia with relevant historical perspective. Emphasis on current economic policies and business climate. Students may study specific countries in detail.

Prereq: ECON 105 or GEOGRPY 105 or POLISCI 105 or ECON 202.

ECON 353 ECONOMICS OF LABOR MARKETS AND LABOR POLICIES 3 u

A study of the demand for and supply of labor with particular emphasis upon: the behavior of labor markets; economic theories of wage determination; labor institutions and their historical evolution; labor-management relations; the effects of public policy.

Prereq: ECON 201 or ECON 212.

ECON 354 MONEY AND BANKING 3 u

The demand for and supply of money in historical perspective including the role of the banking system in the credit creation process. Financial markets, interest rates and economic activity. The Federal Reserve System, monetary policy and the macroeconomy.

Prereq: ECON 201 or ECON 212.

ECON 356 PUBLIC FINANCE 3 u

Economic analysis of public sector issues in relation to the overall economy including: market failure and the role of the public sector; the effects of government expenditures, taxation and borrowing on the allocation and distribution of resources; stability of the U.S. economic system.

Prereq: ECON 201 or ECON 212.

ECON 359 COMPARATIVE ECONOMIC SYSTEMS 3 u

Study of the modern theories of capitalism and socialism and their variants. Examination of the origin, organization, operation and performance of alternative economic systems. Contemporary economies considered are those of United States, Russia, China, Japan and selected economies from Eastern and Western Europe. Emphasis is on reform/transition efforts in these economies.

Prereq: ECON 202 or ECON 211

ECON 360 GROWTH AND DEVELOPMENT IN THE WORLD ECONOMY 3 u

The historical growth experience of industrialized economies; the challenge of development in Asia, Africa and Latin America; problems of transition in formerly centrally planned economies. Economic growth and structural change; income distribution and poverty; population growth and human resources; international trade, foreign investment and development assistance.

Prereq: ECON 202 or ECON 211

ECON 401 INTERNATIONAL ECONOMICS 3 u

The nature, extent and growth of international trade. Comparative advantage as the basis for trade. Distribution of the gains from trade between and within countries. International capital and labor mobility. Growth, technological progress and trade. Tariffs, quotas, subsidies, economic integration. Exchange rates and the balance of payments.

Prereq: ECON 201 or ECON 212.

ECON 402 BUSINESS CYCLES 3 u

An historical overview and theoretical interpretations of U.S. business cycle experience. U.S. business cycles in a global context, business cycle theories and stabilization policy.

Prereq: ECON 202 or ECON 211

ECON 404/604 HISTORY OF ECONOMIC THOUGHT 3 u

A study of the development of economic ideas, with emphasis on classical, neo-classical, socialist, Keynesian and institutional schools of thought.

Prereq: ECON 202 OR ECON 211.

ECON 406 INTERNATIONAL FINANCE AND BANKING 3 u

The monetary dimension of international economics. Balance of payments accounting; exchange rates, prices and interest rates; spot and forward foreign exchange; international financial markets and international banking; exchange rate systems and the role of central banks; open-economy macroeconomics; the international monetary system and current policy issues.

Prereq: ECON 202 or ECON 211.

ECON 413 ADVANCED ECONOMIC ANALYSIS 3 u

A survey of fundamental micro and macro economic theory that can be presented as mathematical models. The course emphasizes the use of models in positive economic analysis of areas such as consumer behavior, production, financial markets; and their role in facilitating rigorous analysis and developing testable predictions.

Prereq: ECON 201 and MATH 243 or MATH 250 or MATH 253 or consent of instructor.

ECON 431 ECONOMICS OF GLOBALIZATION 3 u

The course treats the political economy of trade, foreign investment and multinational corporations; the economic and social consequences of globalization; governments, markets, and the instruments of international economic and industrial policy; the World Trade Organization and recent issues--environmental and labor standards; intellectual property; services trade; the developing nations.

Prereq: ECON 201 or ECON 212.

ECON 437 MANAGERIAL ECONOMICS 3 u

The course uses the tools and techniques of economic analysis to solve managerial problems. The emphasis is on practical applications. Topics: optimization techniques; analysis and estimation of demand and costs of production; market structures and pricing practice.

Prereq: ECON 201 or ECON 212 and ECON 245.

ECON 438/638 URBAN REGIONAL AND TRANSPORT ECONOMICS 3 u

The economics of location. Zoning and land use planning. Urban sprawl and the urban/rural periphery. Real estate economics. The urban crisis in the US. The role of the automobile and the highway system. Public policy and the urban environment.

Prereq: ECON 201 or ECON 212

ECON 441/641 INDUSTRIAL ORGANIZATION AND COMPETITIVE STRATEGIES 3 u

Application of economic theory and analysis to case studies in American industry in terms of market structure, market conduct, and industry performance. Analysis of the ways business firms and markets are organized and interact, assessment of the outcomes of various types of firm behavior and the performance of markets, and evaluation of the causes and types of market failures.

Prereq: ECON 201 or ECON 212

ECON 445 ECONOMICS OF HEALTH CARE 3 u

Economics of Health Care is concerned with allocation of resources within the health care sector of the U.S. economy. Major topics include production of health care and its distribution across the population. In addition, various measures will be used to establish the relationship between the health care sector and national policy concerns.

Prereq: ECON 201 or ECON 212

ECON 471 NATURAL RESOURCE AND ENVIRONMENTAL ECONOMICS 3 u

Markets and the efficient allocation of resources over time. Market failure - property rights, externalities, public goods. Valuation of environmental benefits and costs. Economics of renewable and non-renewable natural resources - land, water, fisheries, forests, energy, minerals. Pollution abatement and environmental protection. Global issues - population, climate change, tropical deforestation, the oceans and atmosphere as global "commons".

Prereq: ECON 201 or ECON 212

ECON 490/690 WORKSHOP Repeatable 1-3 u**ECON 491/691 TRAVEL STUDY Repeatable 3 u****ECON 497 EXCHANGE STUDY Repeatable 1-12 u****ECON 493 INTERNSHIP IN ECONOMICS 1-3 u**

This is an opportunity for an economics student to gain practical experience in a business, bank, government, non-profit organization before graduation. The experience will supplement the students' academic work in preparation for a career.

Prereq: Economics major or minor, junior or senior standing, and consent of the department.

ECON 494 SEMINAR IN ECONOMICS 1-3 u

Repeatable. Prereq: Sr st with at least 12 credit hours in economics or consent of instructor.

ECON 496/696 SPECIAL STUDIES 1-3 u

Repeatable for a maximum of 3 units in the major or 6 units in the degree.

ECON 498 INDEPENDENT STUDY 1-3 u

Repeatable. Prereq: Junior or senior standing and consent of instructor and department chairperson.

DEPARTMENT OF FINANCE AND BUSINESS LAW

Phone: 262-472-1316 E-Mail: marinok@umw.edu

Faculty: John Aulerich, Ronald Crabb, John Howat, Hamid Moini, James Molloy, Howard Olson, David Porter, Linda Reid, Donald Sorensen (Chairperson), Linda Yu, Jianzhou Zhu.

The Department of Finance and Business Law offers a variety of educational

opportunities. Finance is concerned with raising money and profitably investing it. Study of the field falls into the following major categories: corporate finance, investments, financial markets, real estate, insurance and financial planning. Business Law is concerned with preparing students to meet the challenges of all fields of modern business in the legal area or for advanced study at a law school.

MAJOR/EMPHASES**FINANCE (BBA)**

MAJOR - 24 UNITS

1. FNBSLW 345, FNBSLW 360, FNBSLW 444 AND FNBSLW 456
2. SELECT 12 ELECTIVE UNITS FROM COURSES
ACCOUNT 341, ACCOUNT 343, ACCOUNT 451, ACCOUNT 452, ACCOUNT 456, ECON 301, ECON 302, ECON 345, ECON 354, ECON 356, ECON 402, ECON 406, FNBSLW 342, FNBSLW 348, FNBSLW 401, FNBSLW 410, FNBSLW 420, FNBSLW 430, FNBSLW 442, FNBSLW 446, FNBSLW 457, FNBSLW 458, FNBSLW 460, FNBSLW 464, FNBSLW 484, FNBSLW 493, AND MANGEMNT 471

A MAXIMUM OF TWO COURSES FROM EACH SET BELOW CAN BE USED IN THE MAJOR

- SET 1: ACCOUNT 341, ACCOUNT 343 AND ACCOUNT 451, ACCOUNT 452, AND ACCOUNT 456
- SET 2: ECON 301, ECON 302, ECON 345, ECON 354, ECON 356, ECON 402, AND ECON 406

MAJOR - UNIQUE REQUIREMENT:

1. MATH 243 OR MATH 250 OR MATH 253

FINANCE: INSURANCE EMPHASIS (BBA)

MAJOR - 24 UNITS

1. FNBSLW 345, FNBSLW 360, FNBSLW 444 AND FNBSLW 456
2. FNBSLW 446, FNBSLW 464 AND FNBSLW 460
3. ECON 345 OR FNBSLW 442

MAJOR - UNIQUE REQUIREMENT:

1. MATH 243 OR MATH 250 OR MATH 253

FINANCE: REAL ESTATE EMPHASIS (BBA)

MAJOR - 24 UNITS

1. FNBSLW 345, FNBSLW 360, FNBSLW 444 AND FNBSLW 456
2. FNBSLW 348, FNBSLW 457 AND FNBSLW 458
3. FNBSLW 442 OR ACCOUNT 451

MAJOR - UNIQUE REQUIREMENT:

1. MATH 243 OR MATH 250 OR MATH 253

FINANCIAL PLANNING EMPHASIS (BBA)

MAJOR - 24 UNITS

1. FNBSLW 345, FNBSLW 360, FNBSLW 444 AND FNBSLW 456
2. ACCOUNT 451, FNBSLW 401 AND FNBSLW 446
3. FNBSLW 442 OR FNBSLW 464

MAJOR - UNIQUE REQUIREMENT:

1. MATH 243 OR MATH 250 OR MATH 253

MINOR

BUSINESS LAW

MINOR - 21 UNITS

1. FNBSLW 341, FNBSLW 342 AND FNBSLW 442
2. FNBSLW 443 OR ECON 353
3. FNBSLW 455 OR POLISCI 344 OR POLISCI 350
4. SELECT 6 UNITS FROM COURSES
FNBSLW 348, FNBSLW 446, PHILSPHY 281,
POLISCI 413, POLISCI 414, POLISCI 415, POLISCI 419
5. A MAXIMUM OF 2 TRANSFER COURSES & A MAXIMUM OF 3 UNITS IN SPECIAL OR INDEPENDENT STUDY, CORRESPONDENCE & INTERNSHIPS WILL BE ALLOWED

FINANCE

MINOR - 21 UNITS

1. ACCOUNT 244, FNBSLW 344, FNBSLW 345, FNBSLW 360
2. ACCOUNT 249 OR ACCOUNT 341 OR ACCOUNT 342
3. SELECT 6 UNITS FROM COURSES
ECON 354, ECON 356 AND ANY FINANCE COURSE
4. A MAXIMUM OF 2 TRANSFER COURSES & A MAXIMUM OF 3 UNITS IN SPECIAL OR INDEPENDENT STUDY, CORRESPONDENCE & INTERNSHIPS WILL BE ALLOWED

UNIQUE REQUIREMENT - 6 UNITS

1. MATH 143 RLS
2. MATH 243 OR MATH 250 OR MATH 253

COURSE DESCRIPTIONS**FNBSLW 341 BUSINESS AND COMMERCIAL LAW 3 u**

A beginning business-oriented approach to the law for business students, secondary teachers who intend to teach business law and pre-law students. The course includes a brief history of the United States system, torts, contracts and governmental regulations of business with a focus on antitrust law. Prereq: Admission to upper division or jr st.

FNBSLW 342/542 ADVANCED BUSINESS AND COMMERCIAL LAW 3 u

An advanced study of the law for business or pre-law student, including the effect of the Uniform Commercial Code on commercial paper, checks and documents of title, secured transactions and sales of goods. The course also includes a study of the laws of property, corporations and creditors' rights. Prereq: FNBSLW 341.

FNBSLW 344 BUSINESS FINANCE 3 u

Problems of financing long-run funds requirements of the business enterprise to include reserve and dividend policies, promotion, expansion, combination of business, planning, planning of capital structure, legal forms of business enterprise. Prereq: ACCOUNT 249 or ACCOUNT 341 or ACCOUNT 342.

FNBSLW 345 INVESTMENTS 3 u

A study of the various types of investments available, the markets in which they are traded, the techniques used to make sound investment decisions, and the factors which affect those decisions for various types of investors. Prereq: FNBSLW 344.

FNBSLW 348 REAL ESTATE 3 u

Designed to integrate the theory and practice of real estate operations through a discussion of the following areas: Urban structure and urban growth, the urban economy, appraisal analysis, property development and real estate investments analysis.

FNBSLW 360 FINANCIAL INSTITUTIONS 3 u

Survey of institutional arrangements through which funds are accumulated and made available to consumers, farmers, business and government. An understanding of the behavior of the non-monetary as well as the money and capital markets is developed. Prereq: FNBSLW 344.

FNBSLW 370 SMALL BUSINESS FINANCE 3 u

A detailed study of the financial management problems confronting small business. This course includes topics such as development of financial plans and controls, financing a business, and working capital management. Prereq: FNBSLW 344.

FNBSLW 401 FINANCIAL PLANNING 3 u

This course serves as an introduction to the occupational area of Financial Planning and surveys the following topics: determining financial objectives, formulating investment objectives, tax planning, insurance planning, and retirement and estate planning. Prereq: A Finance Major with FNBSLW 341 and FNBSLW 345

FNBSLW 410 MULTINATIONAL BUSINESS FINANCE 3 u

Application of financial theory to multinational firms. The course includes an investigation of: determinants of international portfolio and direct investment, management of foreign exchange positions, a survey of the international financial environment, multinational credit institutions and markets and taxation. Prereq: FNBSLW 344.

FNBSLW 420 BANK ADMINISTRATION 3 u

Commercial banking, principles and practices, comprehensively treated with emphasis on operations and administration, bank services, credit analysis, loan and investment policies, profit planning and control. This course cannot be used to satisfy the MBA degree requirement. Prereq: FNBSLW 344 and FNBSLW 360.

FNBSLW 430 FINANCIAL FUTURES AND OPTIONS 3 u

A study of financial futures and options. Course topics will include: characteristics of futures and options contracts, how the markets function, the ways in which the instruments are used and why, option valuation models, the cash-futures basis, and regulation. Prereq: FNBSLW 345.

FNBSLW 442 ESTATES AND TRUSTS 3 u

A study of the law relating to real and personal property, wills, estates, trusts and the responsibility of fiduciaries in handling other people's assets. Prereq: FNBSLW 341

FNBSLW 443 LABOR LAW 3 u

A legalistic introduction to labor law through a study of cases and related statutes of those general principles important to both workers and management. The study of these materials will aid management and labor in understanding the position of the law in determining and providing a solution to labor law problems. Prereq: FNBSLW 341.

FNBSLW 444 CORPORATE FINANCIAL MANAGEMENT DECISIONS 3 u

An advanced study of the requirements for and sources of funds in the business organizations. The course deals with both long and short-term aspects of finance with emphasis placed on analysis and decision making. Prereq: FNBSLW 345; 84 credits; Restricted to Students with Major: Finance or Finance w/ Financial Planning Emphasis or Finance w/ Insurance Emphasis or Finance w/ Real Estate Emphasis

FNBSLW 446 INSURANCE 3 u

Principles of risk and insurance and their applications to business management and personal affairs. Analysis of concepts and methods of handling risks; insurance carriers and contracts; survey of policies for fire insurance, business interruption, liability, automobile, life and health.

FNBSLW 455 ADMINISTRATIVE LAW AND GOVERNMENT 3 u

A study of the administrative process as it relates to current concerns of society members who are affected by government regulation. Specifically the legal problems involved are delegation problems, investigative rule making and procedural problems that a business encounters in dealing with an administrative agency.
Prereq: FNBSLW 341.

FNBSLW 456 SECURITY ANALYSIS 3 u

A detailed examination of the various classes of securities available for investors, and the development of techniques used to reach dependable conclusions as to the safety and attractiveness of a given security at the current market price or at some assumed price.
Prereq: FNBSLW 345; 84 credits; Restricted to Students with Major: Finance or Finance w/Financial Planning Emphasis or Finance w/Insurance Emphasis or Finance w/Real Estate Emphasis

FNBSLW 457 REAL ESTATE DEVELOPMENT 3 u

A course covering all phases of the site selection, development, marketing, and business organization. The course deals with both long and short-term leasing, financing, appraising, development of industrial parks, rehabilitation, investment in, management of, zoning and tax factors of industrial and corporate real estate.
Prereq: FNBSLW 348; may be waived for graduate students. Graduate students should confer with the instructor in advance.

FNBSLW 458 REAL ESTATE INVESTMENTS 3 u

Examination of investment principles and tax considerations as they apply to real estate, specifically apartment houses, shopping centers, office buildings, urban development and vacant land.
Prereq: FNBSLW 348

FNBSLW 460 ADVANCED PROPERTY AND CASUALTY INSURANCE 3 u

Consideration of advanced topics in property and casualty insurance. Among items covered are direct and indirect property coverages, inland marine insurance, liability coverage including its legal foundations, workmen's compensation, the general liability contract, crime coverages, surety and fidelity bonding and insurance regulation.
Prereq: Concurrent enrollment in FNBSLW 446 or consent of instructor

FNBSLW 464 ADVANCED LIFE AND HEALTH INSURANCE AND PENSIONS 3 u

Consideration of advanced topics in life and health insurance. Among topics covered are principles underlying life insurance, individual life insurance contracts, business uses of life insurance, fixed and variable annuities, individual health coverages, group insurance principles and uses and pensions.
Prereq: Concurrent enrollment in FNBSLW 446 or consent of instructor

FNBSLW 484 APPLIED INVESTMENTS 3 u

Students will gain hands-on experience by managing a real portfolio of securities. After developing a group investment philosophy, they will analyze the current holdings, investigate other alternatives, and make buy and sell decisions as a group. Presentations of the students' research will be made to an advisory board made up of faculty and investment professionals.
Coreq: FNBSLW 456 and consent of department chair.

FNBSLW 490/690 WORKSHOP 1-3 u

Repeatable. Prereq: Consent of instructor.

FNBSLW 491/691 TRAVEL STUDY Repeatable 1-3 u**FNBSLW 493 INTERNSHIP 1-3 u**

This is an opportunity for a finance student to gain practical experience in a business before graduation. The experience will supplement the students'

academic work in preparation for a career in business. Repeatable for a maximum of 3 units in the major.
Prereq: Finance major or minor, junior or senior standing, and consent of the department.

FNBSLW 496/696 SPECIAL STUDIES 1-3 u
Repeatable for a maximum of 3 units in the major or 6 units in the degree.

FNBSLW 497 EXCHANGE STUDY Repeatable 1-21 u

FNBSLW 498 INDEPENDENT STUDY 1-3 u
Repeatable.

MINOR**GENERAL BUSINESS**

MINOR - 24 UNITS

1. SELECT 24 UNITS FROM COURSES
ACCOUNT 244, ACCOUNT 249, FNBSLW 344,
ECON 245 OR MATH 342 OR PSYCH 215,
POLISCI 320 OR POLISCI 421, MANGEMNT 211 OR
COMPSCI 161 OR COMPSCI 162 OR COMPSCI 171,
MANGEMNT 301 OR MANGEMNT 310, MANGEMNT
306, MANGEMNT 385, MARKETNG 311, SFTYIND 380
OR SFTYIND 381, LDRSHP 210 OR LDRSHP 220
2. A MAXIMUM OF 2 TRANSFER COURSES & A MAXIMUM OF
3 UNITS IN SPECIAL OR INDEPENDENT STUDY, COR-
RESPONDENCE & INTERNSHIPS WILL BE ALLOWED

UNIQUE REQUIREMENT - 9 UNITS

1. ECON 201, ECON 202 (GS) AND MATH 143 (GM)

DEPARTMENT OF MANAGEMENT

Phone: 262-472-3964 E-Mail: management@uwm.edu

Faculty: Helena Addae, Peggy Anderson, S. Choton Basu, Tom Bramorski, James Bronson, William Dougan, William Drago, Yezdi Godiwalla (Chairperson), Jerry Gosen, Robert Leitheiser, Manohar Madan, David Munro, K. Praveen Parboteeah, Sameer Prasad, Marcia Pulich, George Sargent, James Sisak, Louise Tourigny, Richard Wagner, John Washbush, Jon Werner.

Management is the art and science of effectively utilizing human and physical resources to attain the objectives of the organization. The programs of study include: General Management (a separate major), Human Resources (a separate major), Operations Management (a separate major). General Management allows students flexibility in selecting courses to prepare for a position in a wide variety of areas. Human Resources Management (HRM Major) educates students for careers in compensation and benefits, human resource, training and development, employee services, labor relations, and organizational development. Operations Management (OM Major) prepares the students for careers in production and inventory control, scheduling, quantitative methods, quality control and purchasing; emphasis is placed on the production of both goods and services in the private and public sectors.

MAJORS/EMPHASIS**GENERAL MANAGEMENT (BBA)**

MAJOR - 24 UNITS

1. MANGEMNT 369 AND MANGEMNT 419

BUSINESS AND ECONOMICS

MANAGEMENT 117

2. SELECT 9 UNITS FROM COURSES AS FOLLOWS:
 - a. ADVANCED QUANTITATIVE ANALYSIS (3 UNITS):
MANGEMNT 471 OR MANGEMNT 480 OR ECON 345 OR 3-UNIT (300 LEVEL OR ABOVE) QUANTITATIVE COURSE AS APPROVED BY THE ADVISOR (A STUDENT WHO HAS COMPLETED A CALCULUS COURSE MAY SUBSTITUTE A GENERAL MANAGEMENT ELECTIVE).
 - b. GENERAL MANAGEMENT ELECTIVES (6 UNITS):
MANGEMNT 310, MANGEMNT 320, MANGEMNT 366, MANGEMNT 387, MANGEMNT 410, MANGEMNT 485, MANGEMNT 486, MANGEMNT 488, MANGEMNT 493, MANGEMNT 496 AND MANGEMNT 498 (INTERNSHIPS STRONGLY ENCOURAGED).
3. IDENTIFY THROUGH A WRITTEN PROPOSAL AT LEAST 9 UNITS AT 300 OR 400 LEVEL IN CONSULTATION WITH A GENERAL MANAGEMENT ADVISOR. THE COURSES MUST CONSTITUTE A LOGICAL AND COHERENT PROGRAM WITHIN THE GENERAL MANAGEMENT CONTEXT.
4. COMPLETE AN INTERNATIONAL MANAGEMENT COURSE AS A GENERAL MANAGEMENT ELECTIVE (SECOND REQUIREMENT ABOVE, MANGEMNT 410) OR AN INTERNATIONAL COURSE AS PART OF THE FOCUS COMPONENT (THIRD REQUIREMENT ABOVE) AS APPROVED BY THE ADVISOR.

HUMAN RESOURCE MANAGEMENT (BBA)

MAJOR - 24 UNITS

1. MANGEMNT 320 OR POLISCI 421, MANGEMNT 425, MANGEMNT 426, MANGEMNT 428, MANGEMNT 429, MANGEMNT 430
2. SELECT 6 UNITS FROM COURSES MANGEMNT 478, MANGEMNT 493, MANGEMNT 496, MANGEMNT 498, FNBSLW 443 AND SAFETY 380

OPERATIONS MANAGEMENT (BBA)

MAJOR - 24 UNITS

1. MANGEMNT 445, MANGEMNT 450, MANGEMNT 455, MANGEMNT 456, MANGEMNT 465
2. SELECT 9 UNITS FROM COURSES
MANGEMNT 460, MANGEMNT 466, MANGEMNT 471, MANGEMNT 480 OR ITBE 480, MANGEMNT 486, MANGEMNT 493, MARKETNG 436, MARKETNG 442, ECON 438

OM: E-OPERATIONS EMPHASIS (BBA)

MAJOR - 24 UNITS

1. MANGEMNT 445, MANGEMNT 450, MANGEMNT 455, MANGEMNT 456, MANGEMNT 465
2. SELECT 9 UNITS FROM COURSES:
MANGEMNT 460, MANGEMNT 471, MANGEMNT 480 OR ITBE 480 OR MCS 214, MCS 220, MCS 314

OM: SERVICE MANAGEMENT EMPHASIS (BBA)

MAJOR - 24 UNITS

1. MANGEMNT 445, MANGEMNT 450, MANGEMNT 455,

MANGEMNT 456, MANGEMNT 465

2. SELECT 9 UNITS FROM COURSES
MANGEMNT 466, MANGEMNT 471, MANGEMNT 486, MANGEMNT 493

OM: SUPPLY CHAIN MANAGEMENT EMPHASIS (BBA)

MAJOR - 24 UNITS

1. MANGEMNT 445, MANGEMNT 450, MANGEMNT 455, MANGEMNT 456, MANGEMNT 465
2. SELECT 9 UNITS FROM COURSES
MANGEMNT 460, MANGEMNT 471, MANGEMNT 493, MARKETNG 436, MARKETNG 442, ECON 438,

PROGRAM OF PUBLIC POLICY AND ADMINISTRATION

The University offers an opportunity for students to earn a Bachelor of Science degree with a major in Public Policy and Administration. The major is designed to prepare students for careers in local, state, or national governments, and in businesses and other organizations in the private sector which work closely with government. The major is sponsored jointly by the Political Science Department in the College of Letters and Sciences and the Management Department in the College of Business and Economics. The courses in the major are offered by these two departments and by several other departments in the two Colleges, providing broad interdisciplinary preparation for the student.

MAJOR

PUBLIC POLICY AND ADMINISTRATION (BS)

MAJOR - 60 UNITS

1. ACCOUNT 244, ECON 212, MANGEMNT 211, PSYCH 211
2. MATH 231 OR PSYCH 215
3. MANGEMNT 301, MANGEMNT 480, POLISCI 344, POLISCI 320 AND POLISCI 330
4. POLISCI 489
5. SELECT 3 - 12 UNITS FROM COURSE POLISCI 493 IN CONSULTATION WITH ADVISOR.
A 2.25 COMBINED UW-W & TRANSFER GPA IS REQUIRED TO TAKE THE COURSE.
6. IN CONSULTATION WITH ADVISER SELECT 0-9 UNITS OF ELECTIVES IN LIBERAL ARTS OR BUSINESS COURSES
7. IN CONSULTATION WITH AN ADVISER SELECT A 15 UNIT CONCENTRATION FROM PUBLIC POLICY, GENERAL MANAGEMENT, PERSONNEL, POLICE AND CRIMINAL JUSTICE ADMINISTRATION, PLANNING AND BUDGET ADMINISTRATION, URBAN AFFAIRS, AND LEGAL AFFAIRS; OR AN INDIVIDUALIZED PLAN.

WRITING REQUIREMENT - 3 UNITS

1. SELECT 1 COURSE FROM
BSEDCNA 353, ENGLISH 370, ENGLISH 372, POLISCI 300 RLS

*General Education Recommendations: POLISCI 141 American Government and Politics, ECON 211 Economic Principles, MATH 143 Finite Math for Business and Social Sciences or MATH 152 Elementary Functions.

A combined UW-W and transfer GPA of 2.25 or higher and a GPA of 2.00 in the major are required to take POLISCI 493 and to graduate. No more than 3 Economics and 10 Business courses may be taken. Courses applied toward General Studies cannot be used for major or liberal arts requirements. A minor is not required.

MINORS

MANAGEMENT GENERAL

MINOR - 21 UNITS

1. MANGEMNT 301, MANGEMNT 369 AND MANGEMNT 419
2. SELECT 6 - 12 UNITS FROM COURSES
MANGEMNT 310, MANGEMNT 366, MANGEMNT 410,
MANGEMNT 486, MANGEMNT 488, MANGEMNT 493,
MANGEMNT 496
3. SELECT 0 - 6 UNITS FROM COURSES
MANGEMNT 306, MANGEMNT 320, MANGEMNT 480,
PSYCH 355, SOCIOLOGY 380, POLISCI 320, SPEECH 327,
SPEECH 427, SPEECH 429
4. A MAXIMUM OF 2 TRANSFER COURSES & A MAXIMUM OF
3 UNITS IN SPECIAL OR INDEPENDENT STUDY, COR-
RESPONDENCE & INTERNSHIPS WILL BE ALLOWED

MINOR - RECOMMENDATION

1. ECON 245 BUSINESS STATISTICS AND MATH 143 FINITE
MATH FOR BUSINESS AND SOCIAL SCIENCES ARE
HIGHLY RECOMMENDED.

HUMAN RESOURCE MANAGEMENT

MINOR - 21 UNITS

1. MANGEMNT 320 OR POLISCI 421, MANGEMNT 425,
MANGEMNT 426, MANGEMNT 428, MANGEMNT 429,
MANGEMNT 430
2. SELECT 3 UNITS FROM COURSES
MANGEMNT 478, (MANGEMNT 493 OR MANGEMNT
498), FNBSLW 443 AND SAFETY 380

MANAGEMENT PRODUCTION

MINOR - 21 UNITS

1. MANGEMNT 301 AND MANGEMNT 306
2. SELECT 15 UNITS FROM COURSES
MANGEMNT 351, MANGEMNT 356, MANGEMNT 445,
MANGEMNT 450, MANGEMNT 455, MANGEMNT 460,
MANGEMNT 465, MANGEMNT 466, MANGEMNT 471,
MANGEMNT 480, MANGEMNT 486, MARKETNG 436,
SFTYIND 380, SFTYIND 381 OR SFTYIND 483
3. A MAXIMUM OF 2 TRANSFER COURSES & A MAXIMUM OF
3 UNITS IN SPECIAL OR INDEPENDENT STUDY, COR-
RESPONDENCE & INTERNSHIPS WILL BE ALLOWED

UNIQUE REQUIREMENT - 12 UNITS

1. ECON 245, MANGEMNT 211 AND MATH 143 RLS
2. MATH 243 RLS

COURSE DESCRIPTIONS

Field trips may be required for any of the courses.

MANGEMNT 301 ORGANIZATIONAL BEHAVIOR 3 u
A study of the intraorganizational behavior and attitudes of people in an organizational setting; the organization's effect on perceptions, feelings, and

actions; and the consequences of behavior on the organization, particularly how it affects the achievement of the organization's purposes.

MANGEMNT 306 OPERATIONS MANAGEMENT 3 u
The study of contemporary theory, methods and procedures used to manage the production/operations (P/OM) function in service and manufacturing organizations. Included is a thorough overview of the qualitative and quantitative methods used by managers in making the decisions needed to effectively and efficiently transform resource inputs into goods and services.

Prereq: MATH 143, and (MATH 231 or ECON 245)

MANGEMNT 310 ORGANIZATION AND MANAGEMENT 3 u
A study of the theory and art of management from a decision-making perspective within the context of formal organization. Traces the development of management thought and practice since the Industrial Revolution, including the managerial functions of planning, organizing and controlling. Includes a discussion of managerially relevant behavioral topics including motivation, group process, leadership and communication. Recommended for students who aspire to managerial careers, both majors and non-majors.

MANGEMNT 320 HUMAN RESOURCE MANAGEMENT 3 u
A study of employee relations from the standpoint of the business firm, including recruitment, selection, placement, training, promotion, discipline, compensation, records, and employee services.
Unreq: POLISCI 421.

MANGEMNT 366 SOCIAL RESPONSIBILITY 3 u
This course will provide students with an understanding of the relationship of organizations with their stakeholders (e.g., customers, employees, society, etc.) and provide both an exposure to and an understanding of both ethical and unethical behavior. By investigating organizations and their linkages with various environmental entities, students will have a better appreciation of what produces socially responsible behavior so as to expedite socially responsible actions and prevent irresponsible ones.
Prereq: Admission to the College of Business and Economics

MANGEMNT 369 LEADERSHIP IN MANAGEMENT 3 u
A theoretical and experiential investigation of leadership theory and practice. Discussion includes relevant aspects of personality and motivation theory as they affect interpersonal processes of influence. Substantial time is devoted to self-assessment and development of personal leadership style and skills.
Prereq: MANGEMNT 301 or consent of instructor.

MANGEMNT 387 ENTREPRENEURSHIP 3 u
This course concentrates on how new businesses are started and includes new business start-ups, buyouts and franchising. Objectives are understanding entrepreneurs, and seeking and evaluating opportunities for new ventures. This course assesses the development of ideas that might become business opportunities and examines the merit of those ideas in the marketplace. The writing of business plans and the acquisition of resources to turn opportunities into businesses are also examined.

MANGEMNT 410 INTERNATIONAL MANAGEMENT 3 u
A study of the concepts, problems, processes and practice of International Management, focused on the Multi-National Corporation (MNC). Management in multi-environments, MNC corporate plans, objectives, strategies, viable organizational structures, MNC social/cultural/ethical issues, and coordinating globally spread out MNC units are emphasized.
Prereq: MANGEMNT 301 or equivalent.

MANGEMNT 419 ORGANIZATIONAL THEORY AND EFFECTIVENESS 3 u
An analysis of organization theory. A study of classical and modern organization theory. Relationships among theory, design and behavior variables and organizational effectiveness are examined.
Prereq: MANGEMNT 301.

MANGEMNT 425 COMPENSATION MANAGEMENT 3 u

A detailed study of job analysis, methods of job evaluation, performance appraisal, community wage survey, and basic systems and plans of compensating employees.

Prereq: MANGEMNT 320 (or 820-421 for PPA majors).

MANGEMNT 426 STAFFING 3 u

A study of the theory and application of methods used in recruiting and selecting employees. This course will include: the legal issues in employment, research in the employment process, the development and use of selection devices, and recruiting applicants for job openings.

Prereq: MANGEMNT 320 (or POLISCI 421 for PPA majors).

MANGEMNT 428 TRAINING AND DEVELOPMENT 3 u

The course will emphasize theory of training and development, research to determine needs, types of programs, practicum in conducting a training and development session, and evaluation of programs.

Prereq: MANGEMNT 320 or POLISCI 421, or senior standing

MANGEMNT 429 EMPLOYEE BENEFITS 3 u

Principles and techniques in the Administration of Employee Benefit Programs. The course will include: Planning, implementation, design and evaluation of major employee benefits, such as medical, disability, pension, profit-sharing, government mandated programs and quality of work life plans.

Prereq: MANGEMNT 320 or POLISCI 421.

MANGEMNT 430 LABOR-MANAGEMENT RELATIONS 3 u

Study of the relationships between management and organized groups of employees, including labor unions and professional associations. Analysis and evaluation of collective bargaining processes and strategies, current bargaining issues, legal regulations of bargaining, negotiations and administration of collective agreements, factors contributing to conflict and methods of settlement.

MANGEMNT 445 QUALITY MANAGEMENT 3 u

A comprehensive study of contemporary perspectives on Total Quality (TQ) theory and practice applied to operations systems. Includes a thorough discussion of statistical and quality methods including process control, acceptance sampling, and variance reduction. Explores Quality Function Deployment and the customer-focused implications of quality.

Prereq: MANGEMNT 306.

MANGEMNT 450 OPERATIONS PLANNING 3 u

Study in depth of the planning processes performed in the operations setting integrating the topics of systems modeling, forecasting, production planning, capacity planning, capacity requirements planning, master scheduling, and material requirements planning. Emphasis is on concepts and their application.

Prereq: MANGEMNT 306.

MANGEMNT 455 INTEGRATION OF OPERATIONS 3 u

Examination in depth of daily operational decision making pertaining to management of operational systems and inventory, inventory models and systems, inventory control, distribution planning and control, scheduling techniques, production authorization, lead time management, supplier interfaces, data requirements and measurement systems. Emphasis is on the interrelationships of these techniques and their applications.

Prereq: MANGEMNT 306.

MANGEMNT 456 FUNDAMENTALS OF SUPPLY CHAIN MANAGEMENT 3 u

The course uses a supply chain management framework to study flow of material through manufacturing enterprises. Topics include process selection, facility layouts, group technology, storage and retrieval systems, theory of constraints, just-in-time systems, manufacturing resource planning, supplier management and information technology in managing manufacturing systems.

Prereq: MANGEMNT 306.

MANGEMNT 460 COMPUTER INTEGRATED 3 u**MANUFACTURING**

Examines the role of Computer Integrated Manufacturing in Production Systems. Topics may include Group Technology (GT), Flexible Manufacturing Systems (FMS), Automation in Manufacturing, Manufacturing Resource Planning (MRP II), Computer Aided Design (CAD) and Computer Aided Manufacturing (CAM). Additional current topics may be included.

Prereq: MANGEMNT 306.

MANGEMNT 465 GLOBAL OPERATIONS STRATEGY 3 u

A study of the integration of operations planning, management, and control to create effective operations strategy within a global perspective. Includes a thorough examination of capacity and supply chain management. Also examines the theory of constraints as used to develop strategic competitive advantage.

Coreq: MANGEMNT 450 or MANGEMNT 455 or MANGEMNT 456.

MANGEMNT 466 MANAGEMENT OF SERVICE OPERATIONS 3 u

An overview course which applies production techniques and concepts to service organizations through the case study method. Problems of producing services will be compared and contrasted to manufacturing. Special demands for organization and control will be reviewed, as well as the identification of elements of success.

Prereq: MANGEMNT 306.

MANGEMNT 471 MANAGEMENT DECISION ANALYSIS 3 u

Theory and application of quantitative analytic methods used in operations decision situations. Topics include model building, decision theory, deterministic and probabilistic problems, linear programming, PERT/CPM and simulation.

Prereq: ECON 245 or equiv.

MANGEMNT 478 SEMINAR IN HUMAN RESOURCES 3 u

A capstone course for students in Human Resource Management. The course will integrate HR subject matter areas through empirical research. Students will utilize their academic preparation, analytical skills, and communication skills to develop a proposal and prepare a research report.

Prereq: MANGEMNT 320 (or POLISCI 421 for Public Policy majors), Human Resource major or minor, and senior standing.

MANGEMNT 485 SMALL BUSINESS CONSULTING 3 u

A course designed to provide students with hands-on business consulting with faculty advisors as part of the Small Business Institute. Potential topic coverage is a wide range of business activities depending on client need.

Prereq: MARKETNG 311 or FNBSLW 344 and consent of SBI Coordinator.

MANGEMNT 486 SUPERVISORY MANAGEMENT 3 u

A study of the theories and techniques of general management, organizational behavior, and human relations involved in effective supervisory management. The supervisor's role and the supervisor-subordinate relationship will be analyzed. The skills required for successful supervision will be practiced through small group work, role play and other activities.

Prereq: MANGEMNT 301 and 85 units.

MANGEMNT 488 MANAGEMENT SEMINAR 3 u

Provides General Management majors and students completing the Professional Minor in Business Studies (Management General Emphasis) with the opportunity to examine a significant management topic in depth. Students may be asked to perform or assist in original research, develop a case analysis, or study topics of special importance to career goals. Offered occasionally. Repeatable.

Prereq: MANGEMNT 369 and MANGEMNT 419.

MANGEMNT 489 ADMINISTRATIVE POLICY 3 u

This course emphasizes management issues and practices from a top management perspective. Students learn theories and skills relevant to the

120 MANAGEMENT COMPUTER SYSTEMS

strategic management of organizations, including the ability to assess the external and internal environments of the organization, strategy formulation and implementation.

Prereq: Sr st and completion of the other College of Business and Economics required core courses, (i.e. BSEDCNA 353, FNBSLW 341, FNBSLW 344, MANGEMNT 301, MANGEMNT 306, MARKETNG 311) except Career Information.

MANGEMNT 490 WORKSHOP 1-3 u

MANGEMNT 491 TRAVEL STUDY 1-3 u
Repeatable for a maximum of 5 units in major/degree.

MANGEMNT 493 COOPERATIVE/INTERNSHIP IN MANAGEMENT 2-3 u

This course is a constructed-supervised work experience within the major area of concentration of the student. The internship experience offers the student an opportunity to merge with actual day-to-day activity in business. No more than 5 units will apply toward graduation. Repeatable for a maximum of 5 units in major/degree.

Prereq: Junior standing and consent of department chairperson.

MANGEMNT 496/696 SPECIAL STUDIES 1-3 u
Repeatable for a maximum of 6 units in major/degree. Prereq: Consent of instructor.

MANGEMNT 497 EXCHANGE STUDY Repeatable 1-12 u

MANGEMNT 498 INDEPENDENT STUDIES 1-3 u
Junior or senior standing and consent of instructor and department chairperson. Repeatable for a maximum of 3 units in major/degree.

PROGRAM OF MANAGEMENT COMPUTER SYSTEMS

Phone: 262-472-1467 E-Mail: mcs@uww.edu

Faculty: Choton Basu, Robert Bryan, Athula Gunawardena, Robert Horton, Jonathan Kane, Robert Leitheiser (Coordinator), David Munro, George Sargent, Robert Siemann.

The Management Computer Systems (MCS) major is an interdisciplinary program combining faculty from the Information Technology & Business Education Department in the College of Business and Economics with their colleagues from the Department of Mathematical and Computer Sciences in the College of Letters and Sciences. The major offers a unique blend of computing and management skills designed to harness computer technology to the needs of a wide variety of business, industrial, financial, governmental and educational organizations. Graduates are trained in the areas of programming, systems analysis/design and network management/administration with a strong background in business. Typical entry level positions include programmer, programmer/analyst, network engineer, network management/administration and PC support. The field offers tremendous potential for rapid advancement. The MCS major can be taken in either the College of Business and Economics for a BBA degree or in the College of Letters and Sciences for a BS degree (listed in the College of Letters and Sciences).

MAJOR

MANAGEMENT COMPUTER SYSTEMS (BBA)

MAJOR - 27 UNITS

1. MCS 214, MCS 220, MCS 231, MCS 314, MCS 325, MCS 331, MCS 425 AND MCS 431

BUSINESS AND ECONOMICS

(NOTE: COMPSCI 181 MUST BE TAKEN OR WAIVED BEFORE ENROLLING IN MCS 214 AND COMPSCI 172 MUST BE TAKEN OR WAIVED BEFORE ENROLLING IN MCS 220).

2. SELECT 3 UNITS FROM COURSES MANGEMNT 377, MANGEMNT 471, MANGEMNT 484, COMPSCI 271, MATH 365, MCS 232, MCS 391, COMPSCI/MCS 475, MCS 485, MCS 496 AND MCS 498 AND MCS 498

UNIQUE REQUIREMENT
CALCULUS - 3-5 UNITS

1. SELECT 1 COURSE
MATH 243, MATH 250, MATH 253

Transfer grades are included in determining eligibility for MCS courses.

MANAGEMENT COMPUTER SYSTEMS WITH MINOR EMPHASIS (BS)

MAJOR - 42 UNITS

1. ACCOUNT 244, MCS 210, MCS 220, MCS 231 AND MCS 232 (NOTE: COMPSCI 171 MUST BE TAKEN OR WAIVED BEFORE ENROLLING IN MCS 210 AND COMPSCI 172 MUST BE TAKEN OR WAIVED BEFORE ENROLLING IN MCS 220)
2. MCS 325, MCS 331, MCS 425 AND MCS 431
3. ACCOUNT 249 OR ACCOUNT 341 OR ACCOUNT 342
4. SELECT 9 UNITS FROM COURSES:
ECON 354, FNBSLW 341, FNBSLW 344, MANGEMNT 301, MANGEMNT 306, MANGEMNT 310 OR MARKETNG 311
5. SELECT 3 UNITS FROM COURSES
MCS 391, COMPSCI/MCS 475, MCS 496, MCS 498, MATH 365, MANGEMNT 377, MANGEMNT 471, MANGEMNT 484, COMPSCI 271

UNIQUE REQUIREMENTS:
CALCULUS - 3-5 UNITS

1. SELECT 1 COURSE: MATH 243, MATH 250, MATH 253
WRITING - 3 UNITS

1. SELECT 1 COURSE (ENGLISH 372 RECOMMENDED):
BSEDCNA 353, ENGLISH 370 OR ENGLISH 372 RLS

STATISTICS - 3 UNITS

1. SELECT 1 COURSE: MATH 231, MATH 342, OR ECON 245
AN APPROVED MINOR IS REQUIRED FOR THIS MAJOR

MANAGEMENT COMPUTER SYSTEMS WITH NO MINOR EMPHASIS (BS)

MAJOR - 56 UNITS

1. ACCOUNT 244, COMPSCI 271, MCS 210, MCS 220, MCS 231 AND MCS 232 (NOTE: COMPSCI 171 MUST BE TAKEN OR WAIVED BEFORE ENROLLING IN MCS 210 AND COMPSCI 172 MUST BE TAKEN OR WAIVED BEFORE ENROLLING IN MCS 220)
2. MATH 280, COMPSCI 412, MCS 325, MCS 331, MCS 425 AND MCS 431
3. ACCOUNT 249 OR ACCOUNT 341 OR ACCOUNT 342
4. ANY 1 GROUP FROM
MATH 250 (GM) OR MATH 253 AND MATH 254
5. SELECT 3 UNITS FROM COURSES (REQUIRED ONLY IF MATH 250 IS TAKEN; NOT REQUIRED IF BOTH MATH 253 AND MATH 254 ARE TAKEN) MANGEMNT 377, MANGEMNT 471, MANGEMNT 484, MATH 365, MCS

391, COMPSCI/MCS 475, MCS 496 AND MCS 498

6. SELECT 9 UNITS FROM COURSES ECON 354, FNBSLW 341, FNBSLW 344, MANGEMNT 301, MANGEMNT 306, MANGEMNT 310 OR MARKETNG 311

UNIQUE REQUIREMENTS:

WRITING - 3 UNITS

1. SELECT 1 COURSE (ENGLISH 372 RECOMMENDED):
BSEDCNA 353, ENGLISH 370 OR ENGLISH 372 RLS

STATISTICS - 3 UNITS

1. SELECT 1 COURSE: MATH 231, MATH 342, OR ECON 245

Transfer grades are included in determining eligibility for MCS courses. A minimum combined transfer and UW-Whitewater GPA of 2.5 overall and in the major is required for graduation.

COURSE DESCRIPTIONS

MCS 214 INFORMATION TECHNOLOGY CONCEPTS AND PRACTICE 3 u

A survey course that covers the use of information technology in organizations, the processes used to create and manage information technologies, and the impact of information technology on individuals, organizations, the economy and society. Students learn how to do systems analysis, data modeling, system and database design, database queries, and construction and testing of a database application as part of a systems development life cycle.

Prereq: COMPSCI 181 and a combined cumulative gpa of 2.50

MCS 220 CONCEPTS OF PROGRAMMING 3 u

This course teaches students professional software development using object-oriented program design and the Java programming language. Coverage includes correct business programming style and documentation, program debugging and testing, database and file processing, event-handling, and graphical user interfaces.

Prereq: COMPSCI 172 and a cum g.p.a. of 2.50.

MCS 231 CONCEPTS OF DATA STRUCTURES 3 u

This course is an introduction to data structures using the Java programming language. It covers static and dynamic implementations of data structures including lists, stacks, queues and trees. It emphasizes object-oriented design and programming methodology, including inheritance and polymorphism, and applies these in the development of large programming projects.

Prereq: MCS 220 and a cum gpa. of 2.50. Unreq: COMPSCI 372

MCS 232 CONCEPTS OF COBOL WITH FILE STRUCTURES 3 u

The COBOL language is taught and then used to study file organizations at both the logical and physical level in order to provide a firm foundation for future study of database and information systems. Sequential, indexed, and relative files are discussed. Hashing and the implementation of complex file structures are discussed. Students act as maintenance programmers updating and modifying existing programs.

Prereq: MCS 231 and an overall g.p.a. of 2.50.

MCS 314 ADVANCED DATABASE DESIGN AND ADMINISTRATION 3 u

This course covers advanced topics in database analysis, design, access, integrity control, and implementation as well as a variety of emerging topics. The course is intended for students who already have a good understanding of database systems and relational database concepts. Students should have proficiency in using the SQL language.

Prereq: MCS 214 and a combined cumulative gpa of 2.50

MCS 325 WEB DEVELOPMENT I 3 u

This course will give students familiarity with client/server computing in a two/three-tiered Internet environment. This includes the development of

dynamic web pages to exchange data with relational database management systems using scripting technologies. Students will use an event-driven, object-oriented programming language to construct ActiveX components that connect with database servers. The course will also explore basic networking concepts.

Prereq: MCS 214, MCS 231 and a cum g.p.a. of 2.50.

MCS 331 SYSTEMS ANALYSIS AND DESIGN 1 3 u

In this course, the student learns to analyze the business organization as a system, to structure both the information and processes of a business or organization, and to complete the systems development process through the logical design phase. The course utilizes an object-oriented methodology for the systems development process. The student begins a team project that is completed in MCS 431.

Coreq: MCS 325 and (ECON 245 or MATH 231 or MATH 342). Prereq: MCS 214, MCS 231 and a cum g.p.a. of 2.50.

MCS 391 MCS COOPERATIVE PROGRAM 3 u

The student is to work as an information systems professional in a business or government organization and report on the experience to the MCS faculty and fellow students.

Prereq: Consent of MCS Cooperative Program Coordinator and an overall g.p.a. of 2.50.

MCS 425 WEB DEVELOPMENT 2 3 u

This course teaches students how to develop Web applications using Java technologies. The course focuses on design and implementation of distributed applications for the Internet and/or intranets. Topics include object-oriented distributed systems and technologies, database access, security, advanced Java programming, and technical design issues for e-Commerce systems.

Prereq: MCS 325 and an overall g.p.a. of 2.50.

MCS 431 SYSTEMS ANALYSIS AND DESIGN 2 3 u

This course is a study of the principles and activities associated with the physical design and implementation of computer based information systems using object oriented methodologies. It includes object-oriented decomposition, system testing, documentation, system security, conversion and implementation. The student completes the team project started in MCS 331.

Prereq: MCS 314, MCS 331 and a cum gpa. of 2.50.

MCS 475 NETWORK ENGINEERING 3 u

This class will explore the OSI (Open Systems Interconnection) networking model, standard networking protocols, and network architecture including implementation, administration and maintenance. Students will also gain "hands-on" networking experience by installing and setting up a network operating system, building a small LAN, and managing network servers.

Prereq: MCS 325 or consent of instructor and an overall g.p.a. of 2.50. Unreq: COMPSCI 475.

MCS 485 PROJECT 1-3 u

This course provides students with the opportunity to participate on a student project team under the management of a faculty member and industry practitioners. The project will be sponsored by a partnering business firm and may involve a wide array of technologies, functional areas and geographically dispersed teammates. This course will only be offered when projects are available. Students will be carefully chosen through an interview process. The number of credits will be determined by the complexity of the project and the level of student involvement.

Prereq: Consent of the MCS department and a combined cumulative gpa of 2.50

MCS 496 SPECIAL STUDIES 3 u

Repeatable for a maximum of 9 units in major/degree. Prereq: Consent of instructor and a combined cumulative gpa of 2.50.

MCS 497 EXCHANGE STUDY *Repeatable* 1-12 u

MCS 498 INDEPENDENT STUDIES

1-3 u

Repeatable. Prereq: Approval of the MCS Coordinator and the faculty member supervising the course. Completion of at least four MCS core courses and an overall g.p.a. of 2.50.

DEPARTMENT OF MARKETING

Phone: 262-472-1333

E-Mail: marketing@uwm.edu

Faculty: Amanda Helm, Maxwell Hsu, Marilyn Lavin, Moutusi Maity, Sharon Roy Newman, James Peltier, Renee Pfeifer-Luckett, Mete Sirvanci, Lois Smith, Scott Swanson (Chairperson), Yushan Zhao.

Marketing involves business activities so that production and the exchange of goods and services maximize consumer satisfactions and producer profits. Marketing studies the behavior of people in their search for products and services to satisfy their needs and then develops and provides the consumer with need-satisfying opportunities consistent with the goals of society. Marketing functions include choosing customer groups, developing products, distributing them, creating advertising and promotions, and determining the proper price. Marketing via the Internet and other interactive media includes all of these components.

MAJOR**MARKETING (BBA)**

MAJOR - 24 UNITS

1. MARKETNG 321
2. MARKETNG 479
3. SELECT 18 UNITS FROM COURSES
MARKETNG 337, MARKETNG 346, MARKETNG 349,
MARKETNG 350, MARKETNG 351, MARKETNG 361,
MARKETNG 400, MARKETNG 410, MARKETNG 412,
MARKETNG 420, MARKETNG 429, MARKETNG 432,
MARKETNG 442, MARKETNG 444, MARKETNG 445,
MARKETNG 494, MARKETNG 496, OR MARKETNG
498

Recommended Marketing electives for various major marketing career areas:

Industrial Marketing (Sales): 350, 400, 412, 429, 442.

Retailing: 337, 350, 351, 400, 420, 429, 442, 432, 445.

Advertising: 337, 350, 351, 400, 412, 420, 429, 444, 445.

Consumer Marketing (Sales): 337, 350, 351, 361, 400, 420, 429, 432, 442, 444, 445.

Market Research: 321, 337, 350, 351, 361, 400, 412, 420, 429, 442, 445.

International Marketing: 337, 349, 350, 361, 400, 412, 429, 442, 497.

MARKETING - DIRECT AND INTERNET MARKETING EMPHASIS (BBA)

MAJOR - 24 UNITS

1. MARKETNG 321 AND MARKETNG 479
2. MARKETNG 351, MARKETNG 444 AND MARKETNG 445
3. SELECT 9 UNITS FROM COURSES:
MARKETNG 337, MARKETNG 346, MARKETNG 350,
MARKETNG 361, MARKETNG 400, MARKETNG 412,
MARKETNG 420, MARKETNG 429, MARKETNG 432,
MARKETNG 442, OR MARKETNG 498

MINOR**MARKETING**

MINOR - 21 UNITS

1. MARKETNG 311
2. SELECT 18 UNITS FROM THE FOLLOWING COURSES
WITH AT LEAST 12 UNITS FROM MARKETING:
MARKETNG 321, MARKETNG 346, MARKETNG349,
MARKETNG 351, MARKETNG 400, MARKETNG 410,
MARKETNG 412, MARKETNG432, MARKETNG 442,
MARKETNG 444, MARKETNG 445, MARKETNG 479,
JOURNLSM321, MARKETNG337 OR BSEDCNA 361,, MAR-
KETNG 361 OR ECON 431, MARKETNG 420 OR PSYCH
355, MARKETNG 429 OR BSEDCNA 363, , MARKETNG
350 OR JOURNLSM 320 OR BSEDCNA 364, ARTSTUDIO
382 OR ARTSTUDIO 383
3. A MAXIMUM OF 2 TRANSFER COURSES & A MAXIMUM
OF 3 UNITS IN SPECIAL OR INDEPENDENT STUDY &
CORRESPONDENCE WILL BE ALLOWED

COURSE DESCRIPTIONS**MARKETNG 311 PRINCIPLES OF MARKETING 3 u**

A study of the activities involved in the distribution of goods and services in a system-analysis framework. Examines consumer buying behavior and marketing functions within the firm. Investigates constraints imposed on decision makers and evaluates the performance of marketing in terms of social and economic efficiency.

MARKETNG 321 MARKETING RESEARCH 3 u

Methods of planning and carrying out marketing and consumer research studies. Problem formulation, exploratory research, questionnaire construction and design, observational and sampling techniques, conducting surveys, data analysis, reporting, interpretation of findings and implementation of recommendations.

Prereq: MARKETNG 311 and ECON 245.

MARKETNG 337 RETAIL MANAGEMENT 3 u

Economic importance and development of retailing institutions

Prereq: MARKETNG 311.

MARKETNG 350 PROMOTIONAL POLICIES AND STRATEGIES 3 u

Theory and concepts employed by organizations in presenting promotional messages through various communication media. Management strategy in promotion and the problems encountered will be emphasized.

Prereq: MARKETNG 311.

MARKETNG 351 INTERNET MARKETING 3 u

This class is designed to provide marketing majors and minors with basic knowledge of the Internet so that they can understand why this technology has and will continue to exert such an important impact on marketing practice. It will also consider such topics as web demographics, the online business model, web enhancement of products and services, personalization, traffic and brand building, net exchanges, and online community. In addition, the class will explore the impact that the Internet is having on such traditional areas of marketing concern as research, new product development, segmentation, personal selling, pricing, and distribution.

Prereq: MARKETNG 311

MARKETNG 361/561 INTERNATIONAL MARKETING 3 u

The course provides a critical assessment of global market opportunities and of the tactics and strategies for marketing of goods and services across national boundaries. Covered in the course are global marketing environment, modes of market entry, and of managing marketing mix variables in a foreign setting.

Prereq: MARKETNG 311.

MARKETNG 400 PRODUCT POLICY AND STRATEGY 3 u

Analysis of marketing problems encountered in developing and introducing new products, managing existing products, and phasing out obsolete products. Emphasis is placed on the coordination of activities that lead to successful market management of products. Various marketing concepts and problems related to product development and introduction are surveyed and analyzed.

Prereq: MARKETNG 311

MARKETNG 412 BUSINESS TO BUSINESS MARKETING 3 u

An intensive examination of the industrial marketing sector. Emphasis is placed on understanding the unique dimensions of the industrial marketing environment and translating this understanding into effective integrated industrial marketing programs. Attention is given to producer, reseller and government markets.

Prereq: MARKETNG 311.

MARKETNG 420/620 CONSUMER BEHAVIOR 3 u

Survey of social science theories pertinent to information processing, human behavior, and social interaction. Emphasis is placed on using this information to develop marketing strategies.

Prereq: MARKETNG 311.

MARKETNG 429 PERSONAL SELLING AND SALES MANAGEMENT 3 u

A seminar in the art and science of selling. Examined and probed in depth will be the whys and hows of selling theories, principles, techniques, practices, and the basics of sales force management.

Prereq: MARKETNG 311 or for Speech Electronic Media Emphasis Majors only SPEECH 232.

MARKETNG 432 MARKETING IN SERVICE ORGANIZATIONS 3 u

A reconsideration of traditional marketing topics in the context of a variety of service organizations. Emphasis is placed on discussion of how product-oriented marketing activities need to be adjusted or even re-invented to accommodate "nonproducts."

Prereq: MARKETNG 311.

MARKETNG 442/642 LOGISTICS 3 u

Analysis of the problems encountered in the physical movement of goods from the end of production to the consumer. Surveyed in this course are various techniques and methods for analyzing spatial arrangements of markets, plant and warehouse location, inventory systems, selection of carrier alternatives and selection of physical movement channels.

Prereq: MARKETNG 311

MARKETNG 444 DIRECT MARKETING 3 u

Students are introduced to the scope of direct marketing including mail order, lead generation, circulation, loyalty programs, store traffic building, fundraising, pre-selling, post-selling and research. The course includes grounding in all major direct marketing media: direct mail, broadcast, print advertising, catalogs, co-ops, telemarketing, inserts and videos. The measurability and accountability of direct marketing and its relationship to the total marketing mix are stressed.

Prereq: MARKETNG 311

MARKETNG 445 DATABASE MARKETING 3 u

Advancing technology is enabling marketers to create individualized customer relationships in situations where previously such relationships were not possible. This course is designed to increase students' understanding of how technology, specifically the customer database, is used to design and implement marketing strategies. Special attention will be devoted to studying the types of information needed in a customer database and how this information can be integrated into the marketing decision making process.

Prereq: MARKETNG 311

MARKETNG 479 MARKETING MANAGEMENT AND POLICIES 3 u

Organization and coordination of the total marketing program including sales, advertising, credit, marketing research, distribution policies, pricing, sales forecasting and demand analysis. Focus is on firm's ability to adjust to competitive trends and changing market conditions.

Prereq: MARKETNG 311 and MARKETNG 321 and senior standing.

MARKETNG 492 INTERNSHIP IN MARKETING 1-3 u

An opportunity for selected upper level students to gain work experience in some area of marketing during a semester or summer. Course includes an appropriate written report on the work experience. Repeatable for a maximum of 6 units. Offered on a satisfactory/no credit basis only.

Prereq: Jr or senior standing and consent of instructor (S/NC).

MARKETNG 494 MARKETING SEMINAR 3 u

Directed reading and research involving group or individual projects in the marketing field. Use of extensive bibliographical and case materials. Class discussion and participation. Concentration in special problem areas of marketing. Seminar papers.

Prereq: Senior standing and consent of department chairperson.

MARKETNG 496/696 SPECIAL STUDIES Repeatable 1-3 u**MARKETNG 497 EXCHANGE STUDY Repeatable 1-12 u****MARKETNG 498 INDEPENDENT STUDY IN MARKETING 1-3 u**

Prereq: Senior standing and consent of department chairperson.

COLLEGE OF EDUCATION

(Title Page)

COLLEGE OF EDUCATION

Phone: 262-472-1184

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Jeffrey C. Barnett, Dean
Lawrence M. Kenney, Associate Dean
Ann Curry Ruff, Assistant Dean
Tom Ganser, Director of the Office of Field Experiences
Thomas J. Kolda, Director of Advancement

DEPARTMENT/PROGRAM CHAIRPERSONS

Advising Assistance Center
Steve Kruse
Communicative Disorders
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Curriculum and Instruction
Melissa Freiberg
Educational Foundations
Anthony Truog
Health, Physical Education, Recreation & Coaching
Virginia Hicks (Acting Chair)
Leadership, Military Science and Aerospace Studies
LTC Gregory Denney
LTC Donna L. Williams
Safety Studies
Alvaro Taveira
Special Education
Robin Warden

HISTORY AND MISSION OF THE COLLEGE

The preparation of teachers has been a major part of the mission of this University since its inception on April 21, 1868, as a normal school, and through its subsequent evolution as a teachers college, a state college and a comprehensive state university. For more than a century UW-Whitewater has offered programs leading to the licensure of teachers. The College of Education is committed to the principles of excellence in teacher education and leadership in maintaining and extending an effective system of schools for a free society. This commitment motivates the faculty to develop programs of teacher education designed to meet the wide and varied educational needs of society. In fulfilling its mission, the College of Education has emphasized quality and excellence and has dedicated itself to the study and analysis of educational trends, innovation, and leadership.

Students in the College of Education prepare for professional careers in teaching; safety; communicative disorders; leadership, military science and aerospace studies; and health, physical education, recreation, and coaching.

The Elementary Education program includes dual early childhood education: regular and special education, elementary and elementary/middle education. The Middle/Secondary Education program includes majors in art, biology, business education, distributive education, chemistry, economics, English, French, geography, German, history, journalism, mathematics, physics, political science, sociology, Spanish, theatre, and in the broadfield areas of art, business education, music education, physical education, science, and social studies.

Minors are offered in the areas of art, Bilingual/Bicultural, biology, chemistry, coaching, communicative disorders, economics, ESL, English, French, geography, German, health education, history, journalism, library

science, mathematics, leadership, music, physical education, philosophy, physics, political science, psychology, recreation, sociology, Spanish, speech and theatre. Not all of the above minors lead to licensure. Contact the department for specific information.

Communicative Disorders offer pre-graduate training for licensure in Speech-Language Pathology and Audiology.

Special Education programs for students interested in working with persons with special needs include cognitive disabilities, emotional/behavioral disorders, learning disabilities, and early childhood: exceptional educational needs.

Safety Education programs in occupational safety, traffic safety, and driver education are also available.

The Minority Teacher Prep Program (MTP) is a special initiative designed to assist ethnic minority students with majors in the College of Education. The goal of this program is to recruit and retain talented minority students interested in pursuing careers in teacher education. Providing a number of activities throughout the academic year, MTP strives to:

- enhance minority high school and college students awareness of career opportunities in the education profession.
- increase the involvement of enrolled students in activities leading to improved academic performance.
- provide opportunities for minority students to regularly meet and exchange ideas with successful minority educators.
- provide academic support in the form of tutoring and counseling for students with such needs.

DEPARTMENTAL ORGANIZATIONS AND ACTIVITIES

HONORARY FRATERNITIES

Alpha Beta Alpha is a national fraternity for students in library science. Any student taking courses in library science who has earned an overall C average in classwork is eligible to become a member. Adviser: Anne Zarinnia.

Kappa Delta Pi is a national honorary education fraternity. It limits its membership to juniors and seniors in the College of Education who have demonstrated unusual scholastic proficiency and professional promise. Adviser: Stephen Friedman.

Phi Kappa Phi is a national honor society for the recognition and encouragement of superior scholarship in all academic disciplines. Undergraduate students are eligible for consideration who have senior status and are scholastically in the upper 10% (or less, if the chapter's constitution so provides) of their class; or who have reached the final period of their junior year and are scholastically in the upper 5% (or, again, less if the chapter's constitution so stipulates) of their class. Adviser: John Kozlowski.

STUDENT ORGANIZATIONS

The Association for Young Childhood Education is the student branch of the Association for Childhood Education International. Membership is open to students enrolled in the kindergarten-primary and elementary education curriculums. The group's primary concern is the welfare and education of children. Adviser: Ni Chang.

The Coaching, Health, Athletics, Recreation, and Physical Education (CHARPE) organization is open to all students enrolled in majors or minors

in Health Physical Education, Recreation or Coaching. This club works to promote understanding of career opportunities and responsibilities, professional development outside of the classroom, and networking with professionals and peers. Guest speakers, attendance at professional meetings, and banquets are some of the various activities of this organization. Advisor: Kathleen Happel and Wendy DeMore.

The Student Council for Exceptional Children is a pre-professional organization for students interested in expanding their knowledge about and experiences with individual with exceptionalities. Its primary purpose is to "present students with opportunities to improve educational professional standards and increase awareness of exceptional children and youth." Opportunities are available for volunteer experiences with various area service agencies/programs and residential facilities. Projects may include: visiting residential facilities, mentoring clients, planning seasonal parties for residents of community resident settings, provide respite care, and attending and participating in state and national professional organization conferences. Adviser: Claudia Rinaldi.

The National Student Speech Language Hearing Association (NSSLHA) is the national organization for Master's candidates and undergraduate students interested in the study of normal and disordered human communication behavior. NSSLHA is the only official national student association recognized by the American Speech-language-Hearing Association. NSSLHA membership is presently about 13,000 students with chapters in more than 280 colleges and universities. Adviser: Patricia Casey.

The Student Wisconsin Education Association is a student organization for improving the quality of education. The purpose of the organization is to guide students who plan to teach and to provide supplemental education programs. This organization is a student chapter of NEA. Adviser: John Zbikowski.

ROTC Cadet Association is composed of students enrolled in the Army or Air Force ROTC program (Leadership, Military Science and Aerospace Studies) at Whitewater. The organization fosters military, social and other extracurricular activities within the ROTC student body. Adviser: Sgt. Anthony Ducksworth.

The Student Safety Organization represents both ASSE (American Society of Safety Engineers) and TWSO (The World Safety Organization). The purpose of the Association is to promote interest in and understanding of the role of safety in industry, government, schools, and wherever loss prevention is a concern. Representatives participate in departmental activities and decision-making and the Organization conducts a variety of programs for professional growth and development. The Organization not only serves its present membership, but seeks to maintain contact with graduates by inviting them to speak at Association meetings. Students interested in the Student Safety Association should contact the Safety Office in Room 6034, Winther Hall. Adviser: Deborah Bowen, Craig Wucivic.

Students for an Accessible Society fosters an awareness of the needs of disabled students on campus, joins disabled and nondisabled people as an organization to meet these needs, and fosters an atmosphere of mutual understanding and cooperation between the two parties. Adviser: Jackie Wenkman.

ACADEMIC INFORMATION

PROFESSIONAL EDUCATION PROGRAMS LEADING TO TEACHER LICENSURE

The University offers more than seventy different licensure programs including dual early childhood education, elementary/middle education, middle/secondary education, and special education. See the index for majors in secondary education (including broadfield majors), programs in elementary education, and programs in special education. Satisfactory completion of these programs entitle the graduate to be licensed to teach

in Wisconsin public schools as well as in schools in most other states. The Wisconsin teacher's license is issued by the Wisconsin Department of Public Instruction only after receiving the endorsement of the Dean of the College of Education. During the semester before graduation, students should obtain a Wisconsin teaching license application form from the Winther Hall Information Desk in the College of Education. Those students desiring a license from other states can also obtain addresses and phone numbers at the Winther Hall Information Desk of education departments in other states to obtain information about appropriate application procedures.

PROFESSIONAL CAREER PROGRAMS NOT REQUIRING TEACHER LICENSURE

The College of Education offers a program in occupational safety for students who intend to become industrial safety specialists (see Department of Safety Studies), in special education for students who want to work with adults who are developmentally disabled (see Department of Special Education), in Health, Physical Education, Recreation & Coaching for students who want to pursue careers in health, sport, fitness and racket clubs, corporate and community health promotion, park and recreation administration, or coaching (See Department of Health, Physical Education, Recreation & Coaching), and in communicative disorders for students who plan to pursue a masters degree in Speech-Language Pathology and Audiology and work in the public schools (see Department of Communicative Disorders).

LEADERSHIP, MILITARY SCIENCE AND AEROSPACE STUDIES DEPARTMENT

The Department of Leadership, Military Science and Aerospace Studies offers three programs which may be pursued by any student desiring instruction, practical experience, and credentials in leadership.

1. Leadership Minor. Provides the specialized knowledge and training required to be a successful supervisor, manager, or administrator in the student's chosen profession.
2. U.S. Army Commission. Completion of the commission program and a baccalaureate degree provides the opportunity for service to the Nation as a Second Lieutenant in either the US Army, National Guard, or Army Reserve.
3. U.S. Air Force Commission. Completion of the commission program and a baccalaureate degree provides the opportunity for service to the Nation as a Second Lieutenant in either the U.S. Air Force or Air Force Reserve.

ADMISSION TO PROFESSIONAL EDUCATION

Admission to Professional Education is based on 1) Completing all eligibility requirements and 2) Placement in a rank ordering of applicants according to the most recent combined (UW-W and transfer) cumulative GPA. There are several steps in the process of applying for admission to professional education. First, students must meet the Basic Eligibility Requirements. (See below) Also, they must complete an application form and attach letterhead stationary documenting 300 of the 350 hours of experiences with learners in an educational facility/facilities. Third, they must meet the General Education for Licensure Requirements. (See below) For students who meet all eligibility requirements and have a combined (UW-W and transfer) cumulative GPA of 3.4 or higher on 40 or more credits (30 or more for the Early Childhood Program) admission to professional education is guaranteed.

BASIC ELIGIBILITY REQUIREMENTS:

- *Pass all three portions of the Pre-Professional Skills Test (PPST) Information about the test is available at the College of Education Advising Center, Room 2003 in Winther Hall.*
- *Attend a Professional Education Orientation Meeting (Dates available at academics.uwm.edu/coe/admission/calendar.htm)*

- Pass each course (with "C"/"S" or better) or concurrent enrollment in each course of the Pre-Professional Block. (not required for Early Childhood majors*) The three courses of the Pre-Professional Block are "Observation and Participation", "Child Development" or "Educational Psychology" and "Education in a Pluralistic Society."

Prerequisites to register for Pre-Block

- a) Cumulative grade point average of 2.75
 - b) Completed a minimum of 12 credits that would be accepted by UW as degree credits
 - c) Passed 2 of the 3 sections of PPST
- Pass (with "C"/"S" or better) or concurrent enrollment in Speech 110 (or equivalent). See the University Catalog/Schedule of Classes or web site for information about waivers, if applicable.
 - Technology Competency Assessment
 - Complete a minimum of 40 credits (Early Childhood majors* must complete a minimum of 30 credits)
 - 2.75 GPA based on minimum of 40 credits (2.75 GPA on 30 credits for Early Childhood majors*)
 - Experiences with Learners (minimum of 350 hours beginning with freshman year in high school)
 1. At least 300 hours of verified experiences from educational facility/facilities such as schools, agencies, institutions, centers or organizations. Use letterhead stationary from the educational agency to provide verification. Verification statements should include experience descriptions, dates of involvement, total number of hours and be signed by the senior member of the agency.
Some possible examples include:
instructional aide, substitute teaching, day care teacher, classroom volunteer, coaching, camp counselor, after school tutoring, Sunday School teacher, etc.
 2. Up to 50 hours of experiences that may be related to the role of teacher not associated or attached to an educational facility (description or verification should be provided)
Some possible examples include:
Child care, job related training, parenting, tour group leader

* This is the dual licensure program that enables the accepted cohort group to obtain regular and special education licensure and does not include PreK-6

Admission Deadlines: There will be three admission cycle deadlines in fall, spring, and summer for all students except those applying for Dual Licensure in Early Childhood. The Dual Licensure in Early Childhood program will accept applications only during the fall admission cycle. Students that meet all eligibility requirements and who turn in application forms before the deadline to turn in applications will be part of the admissions pool. Applications turned in after the deadline which meet all of the eligibility requirements will be considered on a space available basis only. If no space is available in the program for which the applicant is applying, the student's application will be placed in the applicant pool for the next admissions cycle.

Continuous Admission: Admissions outside the regular admission schedule (i.e., separate from the normal fall, spring, and summer admission cycles) to students who have met all the basic eligibility requirements who are applying for programs with space available. These rolling admission applicants must have acceptable reasons (such as applied as an exception during regular admission and now have met all criteria or need to enroll for course work in professional education) and must communicate these reasons in writing to the assistant dean who will make the appropriate decision. Admission outside the regular schedule (rolling admission) may be granted to students who apply up to four days before the last day to register/add a term class. Rolling admission may not be granted if the applicant is seeking an exception

to the GPA or PPST requirements. However, if space is available, Dual Early Childhood Education will have 10% of the exceptions in a separate pool at the end of fall rolling admission.

ADMISSION TO DIRECTED TEACHING

Admission to Directed Teaching occurs at Decision Point 4 in the College of Education's Unit Assessment System. Admission to Directed Teaching is restricted to students who have been admitted to Professional Education and who achieve **all** of the ten criteria listed below. The phase 3 portfolio (#1) and the record check (#7) could occur during the placement process, but must be achieved prior to assuming duties at the placement site. See Office of Field Experiences web site for deadline dates.

- 1.) passing score on Phase 3 portfolio (Except for Early Childhood Directed Teaching A and B)
- 2.) passing score in your major(s) on Praxis II subject assessment test(s) (by the date indicated on Office of Field Experience Web Site) including submission of sub-test scores to Office of Field Experiences (Except for Early Childhood Directed Teaching A and B)
- 3.) 2.75 combined cumulative grade point average
- 4.) submission of Personal Information Sheet to Office of Field Experience (Except for Early Childhood Directed Teaching A and B)
- 5.) attendance at required Phase 3 meeting (Except for Early Childhood Directed Teaching A and B)
- 6.) submission of a negative Tuberculosis test result to Office of Field Experience (skin test or x-ray)
- 7.) completion of a record check (if required by placement site)
- 8.) meeting minimum or better grades in courses as required by department of major. (See individual catalog statements in each department.)
- 9.) meeting additional requirements as identified by your specific program (when required)
- 10.) Transfer students must complete at least 14 undergraduate credits or 9 graduate credits of work at the University of Wisconsin-Whitewater before admittance to the student teaching semester. (if appropriate).

TEACHER LICENSURE REQUIREMENTS

The College of Education requires all students seeking endorsement by the Dean of the College of Education for Wisconsin Department of Public Instruction licensure to complete the following licensure requirements:

Pre-student Teaching Clinical Experience: Each student, under the supervision of professional school personnel, shall complete a prestudent teaching clinical program consisting of a minimum of 100 clock hours of experience working directly with children and youth within a school or other instructional setting. Each student will complete Observation and Participation (CIFLD 210 or SPECFLD 210) and Field Study (SPECFLD 492 or CIFLD 492.)

Educational Foundations: EDFOUND 243 Education in Pluralistic Society

Reading and Language Arts: Course work appropriate to the licensure program in the teaching of reading and language arts. This requirement has been integrated into the curricula of all licensure programs.

Measurement and Evaluation Course: Appropriate to the licensure program, EDFOUND 424 Measurement and Evaluation in Elementary Schools; EDFOUND 425 Measurement and Evaluation in the Secondary School; or EDFOUND 423 Measurement and Evaluation in Physical Education;

Directed Teaching

1. Experiences in schools. All students seeking initial endorsement for licensure by UW-Whitewater must earn units from UW-Whitewater in conjunction with experiences in schools. Additional information about these experiences is available from the Office of Field Experiences or the appropriate department in the College of Education.

2. Pre-professional Term. A minimum of 50 hours in a school setting that serves a diverse population. Presently this experience takes place in Milwaukee, Wisconsin. The Office of Field Experiences provides transportation and students are assessed a transportation fee.
3. Professional Block. One or more experiences in schools. Students are assigned in schools located within the service area of the College of Education, generally within 50 miles of campus. Students are responsible for their own transportation during Professional Block experiences.
4. Directed Teaching ("student teaching"). All students seeking initial endorsement for licensure must complete a full day, full term experience following the daily schedule and term of the cooperating school (not the university term). Students apply for Directed Teaching during their junior year if they are scheduled for directed teaching during the first or second term of their senior year. Students who seek endorsement from UW-Whitewater must complete at least 14 units of academic work at UW-Whitewater prior to Directed Teaching. Students are placed in schools located within the service area of the College of Education, generally within 50 miles of campus. Placements are made by the university on the basis of quality and other programmatic considerations. Students are responsible for their transportation and housing arrangements during Directed Teaching.

Environmental Education: Students whose programs lead to Wisconsin licensure in elementary education, science, or social studies must fulfill the statutory requirement in environmental education. In addition to appropriate work in their methods classes, students must elect one of the following courses: GEOGRPY 252 Human Environmental Problems; or BIOLOGY 214 Ecology and Society.

Cooperatives: Students whose programs lead to Wisconsin licensure in social studies must fulfill the statutory requirements in cooperatives by electing one of the following courses: ECON 213 Economic Principles, Problems and Policies, or ECON 324 Cooperatives.

Exceptional Education: All persons who receive an initial Wisconsin elementary or secondary license must complete an exceptional education requirement. This requirement has been integrated into the curricula of all licensure programs. Students who successfully complete an elementary or secondary program at UW-Whitewater will have fulfilled this state requirement.

Human Relations Requirements: All professional education programs leading to initial licensure require study and experiences in human relations. Specific information on the course and experience requirements is available in the Office of Field Experience, Winther 2038.

GENERAL EDUCATION FOR LICENSURE REQUIREMENTS:

The State of Wisconsin through the Wisconsin Department of Public Instruction has implemented a set of teacher education program rules that are referred to as PI 4. The rules describe general education requirements that must be met by all teachers seeking their first teaching license, regardless of previous degrees.

To meet the general education requirements for teacher licensure students at UW-Whitewater must complete one third of the units for a bachelor's degree or a minimum of 40 units of course work in general education and the course requirements in each of the categories listed below. All courses taken to satisfy UW-Whitewater's general education requirements may be used to meet the General Education requirements for licensure.

Students completing the 50 unit general education requirements will also have met the following PI 4 General Education requirements: Composition and Literature, Oral Communication, Fine Arts, Western History or Contemporary Culture, and Non-Western History or Non-Contemporary Culture. The sections not covered by the core and proficiency requirements are National/State/Local Government, Biological Science, and Physical

Science and must be met with additional course work.

Students completing the previous 31 unit general studies for new freshmen prior to Fall Term 1994 and transfer students prior to Fall Term 1996 or those who hold a baccalaureate/master's degree must also meet the following areas:

1. Composition and Literature: ENGLISH 101 and ENGLISH 102 or equivalent/waiver RLS.
2. Oral Communication: SPEECH 110 or equivalent/waiver RLS.
3. Mathematics: MATH 141 or equivalent/waiver RLS.
4. Fine Arts: GENED 110 World of the Arts or equivalent RLS.
5. National, State, and Local Government: POLISCI 141 or equivalent RLS.
6. Biological Science: - any 3 to 5-unit UWW biology course or equivalent RLS.
7. Physical Science - any 3 to 5-unit UWW astronomy, chemistry, geology, physics, or 5 unit Physical Geography lab course or equivalent RLS.
8. Western History/Western Contemporary Culture: World of Ideas GENED 390 or equivalent RLS.
9. Non-Western History/Non-Western Contemporary Culture: Global Perspectives GENED 140 or equivalent RLS.
10. Electives: any general education courses which total the 40 units RLS.

Specific information on the general education requirements and the approved list of courses are available at the Winther Hall Information Desk. A listing of all courses approved to satisfy General Education for Licensure requirements is listed in the Professional Education Handbook.

Endorsement Requirements: Upon completion of an approved professional education program and a bachelors degree, students will be eligible for endorsement for initial teacher licensure when they meet the following requirements:

1. Completion of an approved major, major and minor, or broadfield major.
2. Successful completion of a Directed Teaching experience at UW-Whitewater.
3. Prior to August 31, 2004 a licensure GPA of 2.75 (based on major, minor and professional education course work). After August 31, 2004 students must have a combined cumulative 2.75 GPA.
4. A passing score on a standardized examination in each licensure major and minor **if** required by the Wisconsin Department of Public Instruction. The examination will be administered by the Wisconsin Department of Public Instruction (DPI) and the passing score will be determined by the State Superintendent.

Exceptions to the GPA endorsement requirements for initial teacher licensure may be granted by the Assistant Dean in the College of Education. No more than 10% of all students completing licensure programs in each graduation period may be granted an exception.

COLLEGE DEGREE REQUIREMENTS

BACHELOR OF SCIENCE IN EDUCATION (BSE)

Students may earn a Bachelor of Science in Education from the College of Education. Successful completion of a minimum of one hundred twenty (120) units in the following areas is required:

University Proficiency
 General Studies
 Diversity and Writing Proficiency
 College/Major (and minor if required)
 Core

1. Measurement and Evaluation: Appropriate to major;

EDFOUND 422 Measurement and Evaluation in Occupational Safety, or EDFOUND 423 Measurement and Evaluation in Physical Education, or EDFOUND 424 Measurement and Evaluation in Elementary Education, or EDFOUND 425 Measurement and Evaluation in the Secondary School.

2. Observation and Participation: Appropriate to major:
CIFLD 210 Observation and Participation or Special Education
SPECFLD 210 Observation and Participation.

Major Requirements: See the appropriate departmental pages for major, minor, and other departmental requirements.

Minor Requirements: Special Education majors are not required to complete a minor. Students choosing to complete a minor should be aware that the minor will not be licensable unless all licensure requirements for that minor, including an additional student teaching experience are completed.

Elementary PreK-6 majors are not required to complete a minor. Students choosing to complete a minor should be aware that the minor will not be licensable unless all licensure requirements for that minor, including any additional student teaching experience, is completed.

Elementary/Middle (1-6) majors are required to complete a minor.

Elementary/Middle (1-9) majors are required to complete all the courses in an approved minor plus any additional licensure requirements for that minor. A special methods course in the minor may be required.

Middle/Secondary Education majors are required to complete all the courses in an approved minor plus any additional licensure requirements for that minor. A special methods course in the minor may be required.

Broadfield majors are not required to complete a minor. Students choosing to complete a minor should be aware that the minor will not be licensable unless all licensure requirements for that minor, including any additional student teaching experience, is completed.

Foreign Language majors and/or minors must complete a foreign language immersion for each licensable area. Contact the Department of Curriculum & Instruction for more information on the immersion requirement.

Special Minors (requirements not listed on Academic Progress Report):

Bilingual Education: Complete the approved minor and an additional student teaching or field study.

Health Education: Complete the approved minor, health methods course, and additional student teaching (if required).

Library Media: Complete the approved minor and two additional practicums.

Foreign Language: Complete the approved minor, a methods course and a four-week immersion experience.

Writing Competency: Students should contact the department office of their major for information concerning their writing requirement.

Teacher Licensure Requirements: Required for students desiring to teach.

Prior to August 31, 2004 students pursuing a BSE degree must achieve a minimum overall grade point average of 2.25, a minimum grade point average of 2.25 in the major and a minimum grade point average of 2.00 in the minor in order to graduate. A 2.75 combined licensure GPA including the major, minor and professional education sequence is required for a teaching license. After August 31, 2004 students pursuing a BSE must have a combined cumulative 2.75 GPA. Students pursuing a Safety Studies major must achieve a minimum overall gpa of 2.5 and a minimum gpa of 2.5 in the major.

BACHELOR OF SCIENCE (BS)

Students must complete at least 6 units in Natural Sciences/Mathematics or Social Sciences (designated GL, GM, or GS) above the minimum general education University requirements.

EDUCATION - GENERAL

MAJOR/EMPHASES

EARLY CHILDHOOD EDUCATION (BSE)

LICENSURE AND WRITING - 36 UNITS

1. EDUINDP 213, EDUINDP 214, LIBMEDIA 201, COMDIS 355
2. EDUINDP 443
3. EDUINDP 331
4. EDUINDP 441
5. EDUINDP 461, EDUINDP 462, EDUINDP 463
6. EDUINDP 465

MAJOR AND WRITING - 60 UNITS

1. EDUINDP 211, EDUINDP 212, EDUINDP 215, EDUINDP 216, EARLYCHD 222
2. EDUINDP 321, EDUINDP 322, EDUINDP 323, SPECED 376 AND SPECED 461
3. EDUINDP 332, EDUINDP 333, EDUINDP 334 AND READING 361
4. EDUINDP 442, EDUINDP 440, EARLYCHD 340 AND SPECED 476
5. EDUINDP 451, EDUINDP 452, PEPROF 327, READING 460 AND EARLYCHD 475

The Early Childhood Education major is designed for students who wish to teach young children, with and without disabilities, from birth through age eight. This program leads to licensure in Early Childhood Special Education and Pre-K - Grade Three. There is no minor required for this major. Students enter the ECE program as a cohort group during the Spring term. Students interested in this program should apply for admission to Professional Education one term earlier than for other College of Education programs, for the fall term. Students will be admitted to the ECE program once a year.

COURSE DESCRIPTIONS

EDUINDP 211 INTRODUCTION TO EARLY CHILDHOOD EDUCATION 2 u

Designed as a foundations course for students in Early Childhood Education who are preparing to teach children from birth to age 8 in inclusive settings. Students will gain an overview of the field, have an opportunity to examine their commitment to the education and well-being of young children, and begin systematic planning for the development of their professional life.

Prereq: Admission to Professional Education and the Early Childhood Program.

EDUINDP 212 WORKING WITH CHILDREN AND FAMILIES IN A DIVERSE SOCIETY 3u

This course is designed to prepare students to work with families of both typically and atypically developing children, and with families whose children are at-risk for developmental and educational difficulties. The following concepts will be addressed: young children in an ecological context, risk and resiliency, the post-modern family, parenting styles, positive discipline in the home and classroom, cultural competence, prevention/intervention, and characteristics of healthy families. The content will include on families in a diverse society, and will specifically address the requirement for instruction

in native American culture in Wisconsin. Skills will include: ability to access a variety of resources to communicate and collaborate with families, to work with specific at-risk populations, and to determine family strengths and needs. Additionally, students will be exposed to the IEP and IFSP as they related to family strengths and needs.

Prereq: Admission to Professional Education and Early Childhood cohort.

EDUINDP 213 DEVELOPMENT OF THE YOUNG CHILD 3 u

The focus of this course will be on the development of children from birth through age 8 within the context of the whole lifespan. It will include learning theory, theory and practice of play, developmental milestones, and discussions on current thinking and recent research in developmental psychology.

Prereq: Admission to Professional Education and Early Childhood cohort.

EDUINDP 214 FIELD WORK 1: OBSERVATION & REFLECTION IN HEAD START 3 u

This course requires students to spend 50 hours with a group whose background the student does not share, 25 hours of which will be with a DPI-designated ethnic minority group. Students will be involved in guided observation tasks in order to gain experience in observing and reflecting upon children's growth and development, family-center interactions, and the functioning of an early childhood intervention model.

Prereq: Admission to Professional Education and to the Early Childhood Program.

EDUINDP 215 ART IN THE EARLY YEARS 3 u

An introduction to the role and purpose of visual experiencing and art-making as it relates to the development of Early Childhood students. Through a variety of observation, hands-on, lecture and discussion experiences, students will have the opportunity to base and develop their understandings of child development in connection with age appropriate curriculum development in art and art-making. Required of all ECE-Special Ed majors.

EDUINDP 216 REFLECTION SEMINAR: ECOLOGY OF THE CHILD 1 u

The course is intended to ensure that the well-prepared teacher is a reflective practitioner who continually evaluates the effects of his/her choices and actions on others (students, parents, and other professionals in the learning community) and who actively seeks out opportunities to grow professionally.

EDUINDP 320 INTEGRATED CURRICULUM FOR CHILDREN: AGES 3-5 3 u

This course will enable students to plan a curriculum for children ages 3 through 8 with an understanding of integrated curriculum, the project approach and emergent curriculum that are coupled with relevant constructivist theories. An investigation of various early childhood programs will also be an emphasis of this course.

Prereq: Restricted to students with professional ed admission.

EDUINDP 321 GUIDING YOUNG CHILDREN 3 u

This course is designed to help students understand the behavior and feelings of young children, learn how to understand and build positive behaviors and feelings, develop positive classroom environments for young children, and deal with their common behavioral and emotional problems particularly in classroom settings.

Prereq: Admission to professional education and to the Early Childhood Education Program.

EDUINDP 322 WORKING WITH INFANTS AND TODDLERS AND THEIR FAMILIES 4 u

This course examines relevant theories and pertinent research pertaining to care of infants and toddlers within the family setting and in group care programs. Content includes an examination of legislative action that calls

for intervention services for the birth to three population in natural settings, screening and assessment procedures, eligibility criteria for service delivery, working closely with and supporting parents, and team collaboration styles. The relationship between best practices for care of infants and toddlers in community care and policies which support them is considered as well. Students will design and evaluate curriculum activities appropriate for all children, from birth to three years of age.

Prereq: Successful completion of all prior Early Childhood Education classes.

EDUINDP 323 REFLECTIVE SEMINAR: ASSESSMENT 1 u

This course provides pre-service teachers with the opportunity to reflect upon their course work and classroom experiences, discuss and share educational ideas, monitor professional growth, formulate personal goals and objectives, collaborate with peers, share new ideas, design and evaluate strategies and methods for working with children, parents and other professionals. Written and oral reflection and other means of creative expression will be practiced with respect to both the content of the current courses and field work experiences.

Prereq: Admission to Professional Education and to the Early Childhood Program.

EDUINDP 331 DIRECTED TEACHING A: INFANTS AND TODDLERS 6 u

This course provides the student with the opportunity to fully develop practice and reflect upon skills acquired through coursework and previous field experience. Students are placed in both a county Birth-to-Three Program and a community infant/toddler childcare program. High quality inclusive programs are selected (when possible). Students are provided supervision by a Cooperating Teacher, and a University Supervisor. Students will plan and implement instruction for individuals and groups of children, adapt instruction for children with disabilities, conduct assessments, evaluate student performance, collaborate with parents and professionals.

Prereq: Successful completion of all prior Early Childhood Education classes.

EDUINDP 332 REFLECTION SEMINAR: LITERACY/ INFANT TODDLER 1 u

This course provides teachers-to-be with opportunities to reflect upon their course work and classroom experiences, discuss and share educational ideas, monitor professional growth, formulate personal goals and objectives, collaborate with peers, and design new strategies and methods for working with children, parents, and other professionals. Written and oral reflection and other means of creative expression will be practiced with respect to both the content of current courses and field work experiences.

Prereq: Successful completion of all prior Early Childhood Education classes.

EDUINDP 333 INFORMAL ASSESSMENT OF YOUNG CHILDREN 3 u

This class is designed to assist students in acquiring skills related to informal assessment. These skills include: the ability to use a variety of observation strategies, to apply functional assessment strategies, use play-based and other criterion-referenced instruments, develop and implement program evaluation strategies. Additionally the student will acquire the ability to link assessment results to IEP/IFSP formation, and the ability to use assessment results to develop differentiated instruction, the ability to write summary reports for school files, and to communicate in writing and verbally, assessment results to parents and to other professionals.

Prereq: Successful completion of all prior Early Childhood Education classes.

EDUINDP 334 CHILDREN'S LITERATURE AND LANGUAGE ARTS, AGES 3 THROUGH 8 3 u

A study of literature and media for young children, ages three through eight years, with a primary focus on student exposure to a wide variety of current, award-winning children's literature across all genres. An emphasis

is place on evaluating, selecting, and presenting materials related to the interests and needs of children and an integrated school curriculum. A second emphasis considers the use of language arts to elicit children's responses to literature.

Prereq: Successful completion of all prior Early Childhood Education classes.

EDUINDP 410/610 CREATING PROFESSIONAL DEVELOPMENT PLANS 3u

This course is designed to be a campus based course with a 25% on-line component. This course prepares the initial educator to use reflection tools to gauge their current level of performance based on the Wisconsin Educator Standards. From their reflections and documentations, each participant will write a compelling goal(s) that drives the writing of the professional development for the next 3-5 years. Professional Development Plans (PDPs) will be completed and approved so that the initial educator will leave the institute ready to implement the first year of his/her PDP. Assessment strategies are part of the institute so that initial educators may begin to collect and analyze data that show professional growth and a positive impact on student learning. Participants will be part of a learning community which includes the university higher education representative and other members of their professional community.

Prereq: Employed in public/private educational setting; professional educator status.

EDUINDP 411/611 IMPLEMENTATION OF THE PROFESSIONAL DEVELOPMENT PLAN 3u

This campus based and on-line (50%) institute builds on prior learning from the previous summer institute in that this stage of PDP development and implementation requires the learner and the community to reflect on progress, look at the annual review of the PDP and make necessary revisions. They will analyze current data sources based on their assessment plans that were collected throughout the process. This institute will deepen content knowledge related to participant goals by including content and pedagogical specialists to increase the learner's knowledge, skills, and dispositions related to the standards addressed in their PDPs.

Prereq: EDUINDP 410/610

EDUINDP 412/612 VERIFICATION OF THE PROFESSIONAL DEVELOPMENT PLAN 3u

This .5 credit campus-based and on-line (50%) institute builds on prior learning from the previous summer institutes by providing the final verification process with Initial Team Members of the Initial Educator's Professional Development Plan.

Prereq: EDUINDP 410/610 and EDUINDP 411/611

EDUINDP 441 DIRECTED TEACHING B: PRESCHOOL 3 u (3-4)

This course provides the student with the opportunity to fully develop their practice and reflect upon skills acquired through coursework and previous field experience. Students are placed in high quality inclusive preschool programs (when possible) and provided supervision by a Cooperating Teacher and a University Supervisor. Students will plan and implement instruction for individuals and groups of children, adapt instruction for children with disabilities, conduct assessments, evaluate student performance and collaborate with parents and professionals.

Prereq: Successful completion of all prior Early Childhood Education classes.

EDUINDP 442/642 PLANNING FOR INDIVIDUAL NEEDS 3 u

This class provides students with the skills to develop and adapt curriculum and instructional strategies to meet the educational needs of young children who require specialized instruction. The emphasis is on the provision of that instruction in the natural environment of the children.

Prereq: Admission to Professional Education

EDUINDP 443 FIELD STUDY: AGES 3 THROUGH 8 1-3 u

Being involved in an early childhood classroom enables students to apply theoretical understandings regarding positive discipline approaches for young children and the adaptation of both curriculum and the environment to meet individual needs and abilities. Students will practice written and

oral reflection. It is expected that reflective thinking will assist the student in accommodating their beliefs and knowledge of theory to classroom realities. A concurrent seminar will allow students to pose classroom practice problems, negotiate solutions, and share insights while being exposed to multiple viewpoints. Repeatable

Prereq: Successful completion of all prior Early Childhood Education classes.

EDUINDP 451 REFLECTIVE SEMINAR: FINAL CONSIDERATIONS 1 u

This course provides pre-service teachers with the opportunity to reflect upon their course work and classroom experiences, discuss and share educational ideas, monitor professional growth, formulate personal goals and objectives, collaborate with peers, share new ideas, design and evaluate strategies and methods for working with children, parents and other professionals. Written and oral reflection and other means of creative expression will be practiced with respect to both the content of the current courses and field work experiences.

Prereq: Admission to Professional Education and to the Early Childhood Education Program.

EDUINDP 452 INTEGRATED CURRICULUM FOR CHILDREN: AGES 6 THROUGH 8 3 u

This course is designed to increase students' understanding of how to combine different subject areas, such as literacy, math, art, music, science within one thematic unit based on an understanding of how children learn and develop. Initially, students will study related theory and explore a variety of instructional methods. A field component will allow students to apply their knowledge by planning and implementing a series of classroom experiences with children in primary classrooms. Subsequent reflection and class discussion will address implementation problems and seek solutions.

Prereq: Successful completion of all prior Early Childhood Education classes.

EDUINDP 461 DIRECTED TEACHING C (ECSE) 5 u

This course provides the student with the opportunity to fully develop their practice and reflect upon skills acquired through coursework and previous field experience. Students are placed in programs serving young children with disabilities. High quality inclusive programs are used (when possible). Supervision is provided by a Cooperating Teacher and a University Supervisor. Students plan and implement instruction for individuals and groups of children, adapt instruction for children with disabilities, conduct assessments, evaluate student performance, collaborate with parents and professionals.

Prereq: Restricted to students with Admission to Directed Teaching and C/S or better in all prior Early Childhood Education classes.

EDUINDP 462 DIRECTED TEACHING D: KINDERGARTEN 5 u

This course provides the student with the opportunity to fully develop, practice and reflect upon skills acquired through coursework and previous field experience. Students are placed in public school kindergarten programs providing service to four and five year olds, with and without disabilities. They are provided supervision by a Cooperating Teacher and a University Supervisor. Students plan and implement instruction for individuals and groups of children, adapt instruction for children with disabilities, conduct assessments, evaluate student performances and collaborate with parents and professionals.

Prereq: Restricted to students with Admission to Directed Teaching and C/S or better in all prior Early Childhood Education classes.

EDUINDP 463 DIRECTED TEACHING E: PRIMARY 5 u

This course provides the student with the opportunity to fully develop, practice and reflect upon skills acquired through coursework and previous field experience. Students are placed in public school kindergarten programs serving six, seven and/or eight year olds, with and without disabilities. A Cooperating Teacher and a University Supervisor will provide them supervision. Students will plan and implement instruction for individuals and groups of children, adapt instruction for children with disabilities,

conduct assessments, evaluate student performance, collaborate with parents and professionals.

Prereq: Restricted to students with Admission to Directed Teaching and C/S or better in all prior Early Childhood Education classes.

EDUINDP 465 REFLECTIVE SEMINAR: PHASE FOUR 3 u PORTFOLIO

Reflective Seminar: Phase Four provides a forum for ECE students to develop the Phase Four Portfolio and to begin their Professional Development Plans. The course is intended to ensure that the well-prepared teacher is a reflective practitioner who continually evaluates the effects of his/her choices and actions on others (students, parents, and other professionals in the learning community) and who actively seeks out opportunities to grow professionally.

Prereq: Successful completion of five semesters ECE major courses

EDUINDP 475/675 LICENSURE PORTFOLIO REVIEW .5 u

A course to assist students to remove deficiencies in their portfolio in order to make the portfolio acceptable for student continuation in teacher education programs. Repeatable for maximum of 1.5 units.

EDUINDP 490/690 WORKSHOP 1-3 u

EDUINDP 496/696 SPECIAL STUDIES Repeatable 3 u

EDUINDP 497 EXCHANGE STUDY Repeatable 1-12 u

DEPARTMENT OF COMMUNICATIVE DISORDERS

Phone: 262-472-1301 E-Mail: comdisrdr@uwm.edu

Faculty: Scott Bradley, Patricia Casey (Chairperson), Roxanne DePaul, Ruiying Ding, Jeffrey Lewis and Giuliana Miolo.

The major of communicative disorders prepares speech-language pathologists for graduate work in Speech-Language Pathology and Audiology. Speech-language pathologists are specialists in human communication and swallowing, both their normal development, and their disorders. They provide service in educational, medical and related settings offering assistance to persons with speech, language and/or hearing disorders. Specifically, problems may be characterized by difficulty producing speech sounds (articulation), maintaining speech rhythm or fluency, or controlling voice production. Language disorders may be characterized by an inability to appropriately understand or use speech sounds, words and their meanings, and/or grammatical patterns. This includes reading and writing. Swallowing problems may include difficulties taking food or drink safely or in adequate amounts to maintain one's health.

MAJORS

COMMUNICATIVE DISORDERS (BA)

MAJOR & WRITING - 39 UNITS

1. COMDIS 270, COMDIS 272 AND COMDIS 278
2. COMDIS 375 AND COMDIS 380
3. COMDIS 371, COMDIS 376 AND COMDIS 483
4. COMDIS 424, COMDIS 426 AND COMDIS 481
5. SELECT 6 UNITS FROM COURSE COMDIS 210 OR 3 UNITS FROM COMDIS 210 AND 3 UNITS FROM COMDIS 460 WITH PERMISSION OF DEPT.

UNIQUE REQUIREMENT - 15 UNITS

1. PSYCH 303 OR PSYCH 424 OR SPECED 466
2. ENGLISH 281 OR ENGLISH 274 OR ENGLISH 372 OR ENG-

LISH 381

3. SELECT 0 - 6 UNITS FROM HUMANITIES
4. SELECT 0 - 3 UNITS FROM ARTS COURSES
5. SELECT 3 UNITS FROM RACE & ETHNIC CULTURES

Students in this major are not required to take a minor.

COMMUNICATIVE DISORDERS (BS)

MAJOR & WRITING - 39 UNITS

1. COMDIS 270, COMDIS 272 AND COMDIS 278
2. COMDIS 375 AND COMDIS 380
3. COMDIS 371, COMDIS 376 AND COMDIS 483
4. COMDIS 424, COMDIS 426 AND COMDIS 481
5. SELECT 6 UNITS FROM COURSE COMDIS 210 OR 3 UNITS FROM COMDIS 210 AND 3 UNITS FROM COMDIS 460 WITH PERMISSION OF DEPT.

UNIQUE REQUIREMENT - 15 UNITS

1. PSYCH 303 OR PSYCH 424
2. PSYCH 345 OR PSYCH 451
3. SELECT 3 - 6 UNITS FROM SCIENCE OR MATH 142 THRU 499
4. SELECT 3 UNITS FROM RACE & ETHNIC CULTURES
5. SELECT 0 - 6 UNITS FROM PSYCHOLOGY OR SOCIOLOGY

Students in this major are not required to take a minor.

COMMUNICATIVE DISORDERS (BSE)

LICENSURE - 20 UNITS

1. COMDIS 210 AND SPECED 205
2. EDFOUND 222 OR EDFOUND 478
3. EDFOUND 243 AND COMDIS 450
4. EDFOUND 424 OR EDFOUND 425
5. READING 360 OR SECNDED 466

MAJOR - 57 UNITS

1. COMDIS 270, COMDIS 272 AND COMDIS 278
2. COMDIS 371, COMDIS 375, COMDIS 376, COMDIS 380, COMDIS 381 AND COMDIS 483
3. COMDIS 424, COMDIS 426, COMDIS 472, COMDIS 481 AND COMDIS 482
4. EDFOUND 482 OR MATH 230 OR PSYCH 215
5. EDFOUND 481 OR PSYCH 303 OR PSYCH 424
6. EDFOUND 212 OR PSYCH 345 OR PSYCH 451 OR SPECED 466
7. SELECT 6 UNITS FROM COURSE COMDIS 210 OR 3 UNITS FROM COMDIS 210 AND 3 UNITS FROM COMDIS 460 WITH PERMISSION OF DEPT.

This major does not require a minor.

Writing Proficiency Requirement: See chairperson for course(s) that satisfy this requirement.

Additional Licensure Requirements:

For state licensure and national certification a prospective speech-language pathologist must have completed a master's degree in communicative disorders with undergraduate training totaling at least 60 semester Credit hours and at least 30 units in courses taken for graduate Credit.

MINOR

COMMUNICATIVE DISORDERS

MINOR - 22 UNITS

1. DECLARATION OF THE MINOR AND SELECTION OF THE 22 REQUIRED UNITS MUST BE DONE IN CONSULTATION WITH AN ADVISOR FROM COMMUNICATIVE DISORDERS

COURSE DESCRIPTIONS

COMDIS 210 OBSERVATION & PARTICIPATION IN 1-3 u COMMUNICATIVE DISORDERS

Offered on a satisfactory/no Credit basis only. This course offers supervised observation and participation with preschoolers and individuals with communicative disorders on-campus and/or off-campus. Site availability, student level of academic and clinical performance and supervisory expertise will determine student section assignment. Repeatable for a maximum of 9 units.

Prereq: EDFOUND 222 or EDFOUND 478 or concurrent enrollment in EDFOUND 243 or COMDIS 380.

COMDIS 270 INTRODUCTION TO COMMUNICATIVE DISORDERS *GI* **3 u**

The course provides an overview of communicative disorders across the lifespan. Topics include normal communication behavior, the causes and impact of speech, language and hearing disorders, legislation and regulations, resources, cultural and diversity issues, and the role of professionals in the identification and treatment of individuals with communicative disorders.

COMDIS 272 PHONETICS AND ITS RELATED PROCESSES **3 u**

This course provides a basic understanding of phonology (the study of the structure and function of sounds in a language), and articulatory, physiological and acoustic phonetics. Students are trained to use the International Phonetic Alphabet (IPA) and a variety of informal protocols to record American Standard English, as well as the speech of clinically diverse populations (e.g., non-native, non-standard, multicultural speakers).

COMDIS 278 SPEECH SCIENCE I: ANATOMY AND PHYSIOLOGY **3 u**

This course provides information regarding the anatomy and physiology of the respiratory, phonatory, resonatory, articulatory and nervous systems underlying speech production.

Prereq: COMDIS 270 or consent of instructor.

COMDIS 355/555 LANGUAGE DEVELOPMENT AND DISORDERS IN CHILDREN **3 u**

This course provides an overview of oral language development and its relationship to the development of social skills, literacy and learning. Language characteristics of children with exceptional educational needs are described and strategies for improving their communication skills are discussed.

Prereq: Restricted to students with Professional Education admission. Coursework in child growth and development is highly recommended.

COMDIS 371 INTRODUCTION TO CLINICAL PRACTICUM IN COMMUNICATIVE DISORDERS **3 u**

This course provides an introduction to the tasks and related competencies associated with clinical practice in speech-language pathology. Students will develop an understanding of treatment principles, procedures and programs used in clinical practice, and gain an understanding of the responsibilities and professional issues associated with the practice of speech-language pathology across work settings. By the end of the course the student will

demonstrate knowledge of the scientific method, and treatment, management and communication skills used in the clinical and supervisory processes.

Prereq: Communicative Disorders major or cons instr.

COMDIS 375 SPEECH SCIENCE II: SPEECH ACOUSTICS, SPEECH PHYSIOLOGY AND SPEECH PERCEPTION **3 u**

This course provides a basic understanding of the principles of general and speech acoustics, speech physiology and speech perception.

Prereq: COMDIS 272 and COMDIS 278 or consent of instructor.

COMDIS 376 ARTICULATION AND PHONOLOGICAL DISORDERS **3 u**

A study of the development of normal articulation and phonology and of the etiologies, symptoms, diagnosis, and treatment of articulation and phonological disorders.

Prereq: COMDIS 270 and COMDIS 272 or consent of instructor.

COMDIS 380/580 SPEECH AND LANGUAGE DEVELOPMENT **3 u**

This course provides an introduction to the process and sequence of normal speech and language development in children birth to school-age. Theories of language acquisition and the role of cognition, the environment, and caregivers are discussed. A language sample is analyzed and interpreted using knowledge gained in the class.

Prereq: Restricted to students with Communicative Disorders Major or consent of instructor.

COMDIS 381 HEARING SCIENCE **3 u**

A study of physical and psychological phenomena involved in audition to include 1) anatomy and physiology of the auditory system, 2) acoustics for the study of hearing, 3) development of pure tone hearing tests, 4) methods for measuring thresholds, and 5) psychophysical attributes to sound.

Prereq: COMDIS 270 or consent of instructor.

COMDIS 385/585 FLUENCY DISORDERS **3 u**

This course provides for the study of the theories of the cause and onset of fluency disorders such as stuttering and cluttering. It further introduces basic clinical and experimental approaches to these disorders.

COMDIS 424/624 ORGANIC SPEECH DISORDERS **3 u**

This course provides a basic understanding of how structural malformations of the vocal tract influence speech and voice production. The primary focus of study is on applying the principles of speech and voice science to communication deficits associated with structural changes in the vocal tract (for example, voice disorders, cleft palate speech disorders, and swallowing dysfunction).

Prereq: COMDIS 375 or consent of instructor.

COMDIS 426/626 NEUROGENIC COMMUNICATIVE DISORDERS **3 u**

This course provides a basic understanding of the neuroanatomic and neurophysiologic mechanisms underlying speech and language. The primary focus of study is on neuropathologies and how they influence brain/language relations (aphasia, dementia) and sensorimotor control for speech and swallowing (dysarthria, dysphagia).

Prereq: COMDIS 278 or consent of instructor.

COMDIS 444/644 OCCUPATIONAL HEARING CONSERVATION **3 u**

This introductory course assists the student in developing and managing an occupational hearing conservation program. Topics include the effect of noise on hearing, noise and hearing measurement, selection and fitting of hearing protectors, federal and state rules and regulations regarding hearing conservation, and the medicolegal and compensation aspects of hearing loss.

Prereq: Jr st or cons instr.

COMDIS 450 METHODS: COMMUNICATIVE DISORDERS 3 u

A study of procedures and materials used in the public schools by speech language pathologists. The course aids the student in the development of a workable philosophical approach for dealing with children who have communicative disorders and are attending school. Prereq: EDFOUND212 or EDFOUND222 or EDFOUND478. Restricted to students with Professional Education admission.

COMDIS 460/660 PRACTICUM IN COMMUNICATIVE DISORDERS 3 u

This course offers supervised practicum experiences: observation of communicative disorders, clinical work on-campus and/or off-campus, and supervision of practitioners or students. Client availability, student level of academic and clinical training, and supervisory expertise will influence student enrollment and section assignment. This course is repeatable for as many times as needed. Prereq: Undergraduate enrollment requires departmental approval and graduate students must enroll every semester.

COMDIS 472/672 ASSESSMENT IN COMMUNICATIVE DISORDERS 3 u

This course introduces the theoretical and practical aspects of the assessment process in communicative disorders. Issues and methods involved in clinical decision-making are reviewed through case studies and applied activities. The interpretation and documentation of information collected during the assessment process are also discussed.

COMDIS 481/681 LANGUAGE DISORDERS IN CHILDREN 3 u

This course introduces theoretical and clinical issues in child language disorders. Principles and methods relating to the assessment and management of developmental language disorder are discussed. The development of both content knowledge and applied skills are emphasized. Prereq: Communicative disorders major or consent of instructor.

COMDIS 482/682 AUDIOMETRY 3 u

This course is designed to provide information regarding the disorders of hearing and how different auditory evaluation procedures of the auditory system aid in the identification of specific types of hearing disorders. Training in performing different audiological testing procedures is provided as well as the interpretation of auditory test results. Prereq: COMDIS 381 or consent of instructor.

COMDIS 483/683 AUGMENTATIVE AND ALTERNATIVE COMMUNICATION 3 u

This course reviews current approaches to augmentative and alternative communication. Alternative methods of communication other than speech and methods for augmenting residual speech skills are discussed. The course focuses on the development of basic skills for evaluating and providing intervention programs for individuals using alternative and augmentative communication systems. Prereq: Consent of instructor.

COMDIS 490/690 WORKSHOP 1-6 u

Repeatable

COMDIS 491/691 TRAVEL STUDY 1-3 u

Repeatable

COMDIS 494 SEMINAR 1-6 u

Repeatable. Prereq: Jr st and cons instr.

COMDIS 496/696 SPECIAL STUDIES 1-3 u

Repeatable. Prereq: Jr st. or cons dept chp.

COMDIS 498 INDEPENDENT STUDY 1-3 u

Repeatable. Prereq: Jr st or cons dept chp.

DEPARTMENT OF COUNSELOR EDUCATION

Phone: 262-472-5426 E-Mail: counslred@uwm.edu

Faculty: Donald Norman, Brenda O'Beirne (Chairperson), Anene Okocha, David Van Doren.

The Department of Counselor Education does not have any undergraduate programs but does offer a Master of Science degree in Counseling. Undergraduate students who have an interest in pursuing a master's degree at a later date will benefit from courses and/or degrees in programs such as psychology, social work, sociology, women's studies or health.

Students who have specific questions should contact the Department chair.

COURSE DESCRIPTIONS

COUNSED 450/650 INTRODUCTION TO COUNSELING 3 u

This is a survey course intended to introduce the student to the field of counseling and guidance. An overview of the purposes, procedures, and expected outcomes of counseling and guidance programs, the counselor's role and relationship to other functionaries will be dealt with.

COUNSED 490 WORKSHOP Repeatable 1-3 u

COUNSED 496 SPECIAL STUDIES Repeatable 1-3 u

DEPARTMENT OF CURRICULUM AND INSTRUCTION

Phone: 262-472-1122 E-Mail: curricinstr@uwm.edu

Faculty: Sarah Anderson, Deb Bowditch, Kathryn Brimmer, William Chandler, Anne D'Antonino-Stinson, Virginia Epps, Robin Fox, Melissa Freiberg (Chairperson), Tom Ganser, James Hartwick, Katharina Heyning, Larry Kenney, Susan Kidd, Thomas Lueschow, Phillip Makurat, Andrea O'Brien, Dana Prager, Ann Curry-Ruff, Harriet Rogers, Patricia Shaw, Wallace Sherlock, Susan Toms-Bronowski, Paul Yvarra, John Zbikowski.

The Curriculum and Instruction Department provides several undergraduate teacher licensure programs and a minor in Bilingual/ESL Education.

The Early Childhood Education major is a dual early childhood program that results in Wisconsin teaching licensure is regular and special education for birth through third grade. See the program description and list of classes on page 124.

The Elementary (1-6) or Elementary/Middle (1-9) leads to licensure in the grades indicated. The programs include an elementary education major, and approved minor for the 1-9 license, and a wide range of professional education courses. Preschool-kindergarten added to an elementary license by completing the Early Childhood classes' indication in the PK-6 major, no minor is required of this program. Special emphasis is placed on fieldwork in schools and developing the skills to work with children who may vary widely in background and educational need. A special methods course in the minor may be required.

Middle/Secondary Education prepares students to teach in middle or junior high schools and senior high schools. Academic major(s), minor(s), or broadfield areas are complemented by educational foundations coursework, methods courses, and field work which qualify students for middle/secondary teaching licensure. For Middle/Secondary Education majors to

be certified in their minor as well as their major, they must have a methods course in the minor unless the major and minor are in a compatible area. A listing of compatible majors and minors is available in the Curriculum and Instruction Office. (See page 130 or go directly to the department of the major for information).

The Bachelor of Science with an Elementary/Middle or Middle/Secondary Education major with a minor in bilingual-bicultural or ESL education is designed to provide instructional strategies and cultural understanding for undergraduate/graduate students who wish to work with children whose native language is not English. (see page 131)

In addition to the programs offered through the department, the department supports grades K-12 area majors in several fields. Broad area majors are as follows: (Education Licensure Programs are also available.)

Driver Education: The program in driver education is outlined under Occupational & Environmental Safety & Health.

Art Education: The major in art education is outlined under Art.

Music Education: Majors in music education are outlined under Music.

Physical Education: The broadfield major in physical education is outlined under Health, Physical Education, Recreation and Coaching.

MAJOR/EMPHASES

ELEMENTARY EDUCATION

PREKINDERGARTEN-6 EMPHASIS (BSE)

LICENSURE AND WRITING - 40 UNITS

1. LIBMEDIA 201 AND CIFLD 210
2. EDFOUND 243 OR EDFOUND 445
3. EDFOUND 222, OR EDFOUND 322
4. EDFOUND 424
5. MATH 148 (GM) AND MATH 149 (GM) RLS
6. GEOGRPY 252 (GS) OR BIOLOGY 214 (GM) RLS
7. CIFLD 415
8. CIFLD 411

MAJOR & WRITING - 50 UNITS

1. SPECED 205
2. ELEMID 215, AND EARLYCHD 222
3. PEPROF 325 OR PEPROF 327
4. CIGENRL 435 OR COMDIS 355
5. EARLYCHD 320, EARLYCHD 330, EARLYCHD 340, EARLYCHD 361, AND READING 361
6. ELEMID 324, ELEMID 363, AND EARLYCHD 462
7. ELEMID 422, ELEMID 425, READING 460 AND CIFLD 492
8. EARLYCHD 475

UNIQUE MAJOR REQUIREMENT - 6 UNITS

1. ARTSTDIO 121 AND MUSC 111 RLS

ELEMENTARY EDUCATION ELEMENTARY/ MIDDLE EMPHASIS (BSE) (1-6 or 1-9)

LICENSURE AND WRITING - 36 UNITS

1. LIBMEDIA 201 AND CIFLD 210
2. EDFOUND 243 OR EDFOUND 445
3. EDFOUND 222 AND EDFOUND 424
4. MATH 148 (GM) AND MATH 149 (GM) RLS
5. GEOGRPY 252 (GS) OR BIOLOGY 214 (GM) RLS

6. STUDENT TEACHING

SELECT 2 UNITS FROM CIFLD 401 AND 12 UNITS FROM CIFLD 412 OR 2 UNITS FROM CIFLD 402 AND 12 UNITS FROM CIFLD 411

MAJOR & WRITING - 34 UNITS

1. ELEMID 215, ELEMID 324, ELEMID 363, ELEMID 422, ELEMID 425, READING 360, READING 460, CIFLD 492 AND SPECED 205
2. ELEMID 223
3. ELEMID 362
4. PEPROF 325 OR PEPROF 326
5. BIOLOGY 221 OR HEALTHED 382

UNIQUE MAJOR REQUIREMENT - 6 UNITS

1. ARTSTDIO 121 AND MUSC 111 RLS

AN APPROVED MINOR IS REQUIRED FOR THIS MAJOR

Middle-Level Licensure

To qualify for a license to teach at the middle level as well as in grades 1-6, students in the Elementary/Middle Emphasis must complete all the courses in an approved minor plus any additional licensure requirements for that minor. Special licensure requirements for certain minors include the following (refer to descriptions of the minors for details):

Bilingual/Bicultural Education minor: Complete bilingual student teaching or field study;

Foreign Language minor: Complete a methods course and a four-week immersion experience;

Health Education minor: Complete a health methods course;

Library Media K-12 minor: Complete practicum coursework.

MIDDLE/SECONDARY EDUCATION (6-12)

Middle/Secondary Education programs prepare students to teach specific subjects in grades 6-12. Students in Middle/Secondary Education complete an Education major in one of the subjects from the list below, plus a minor of at least 22 units in any other subject:

Education Majors

Biology	French	Physical Science
Chemistry	Geography	Physics
Earth Science	German	Political Science
Economics	History	Psychology
English	Mathematics	Sociology
		Spanish
		Theatre

For descriptions of courses required in each major, look under that subject in this catalog.

A set of courses consisting of at least 12 units from each of two closely related subjects from the list above may be substituted for the minor. Consult an adviser in the Department of Curriculum and Instruction to determine approved combinations.

Broadfield majors, which prepare students to teach a set of related subjects in grades 6-9, and selected subjects from the set in grades 10-12, are available in Science (choose from several emphasis areas - refer to specific sciences) and Social Studies (choose from several emphasis areas - refer to specific social sciences). Students who complete a secondary broadfield major select an emphasis subject within the broadfield, and they do not need to complete a minor.

Licensure Minors

Students who select a minor as well as a major from the list of Education majors may obtain a 6-12 teaching license in both the major and minor subjects. To do so may require taking an additional methods course, depending on how closely the two subjects are related. Consult an adviser in the Department of Curriculum and Instruction to determine whether a particular major-minor combination requires more than one methods course for licensure in both subjects.

Middle/Secondary level licensure may also be obtained in the following subjects by completing any of the following minors in conjunction with any education major from the list above:

- ESL and Bilingual/Bicultural Education (Bilingual Education License)
- Coaching (Coaching Athletics License)
- Computer Science Education (Computer Science License)
- Health Education (Health License)
- Library Media K-12 (School Media Specialist Provisional License)
- Dance Secondary Education (Dance License)

Some minors are licensable for grades 6-12 only in conjunction with specific majors. They are:

- Journalism with and English Education major
- Speech with an English Education major
- Psychology only with another education major or with a broadfield social studies major

Note that middle-level (6-9) licensure may also be obtained in most of the subjects listed in this section by completing a minor in conjunction with an Elementary Education major.

Licensure courses in 6-12 programs

In addition to major and minor requirements, students in middle/secondary programs complete coursework and field experiences that provide opportunities to synthesize and apply knowledge of subject matter in middle schools and high schools. A typical sequence of courses is as follows:

1. Psychology of the Exceptional Child (3 units)
2. Pre-Professional Block (9 units):
(Prerequisites: G.P.A. of 2.75 or better and passing scores on at least two parts of the Pre-Professional Skills Test; refer to Educational Foundations for course descriptions)
Education in a Pluralistic Society
Educational Psychology
Observation and Participation-Secondary
3. Measurement and Evaluation in the Secondary School (3 units)
(Prerequisite: Admission to Professional Education)
(Refer to Educational Foundations for course description)
4. Methods Block (at least 11 units):
(Prerequisite: Admission to Professional Education)
Methods course(s) in the licensure subject(s)
Literacy Strategies in the Content Areas
Secondary Field Studies
Directed Teaching-Alternate Experience
5. Directed Teaching in the major subject

Note: Students who do Directed Teaching in a high school must do Directed Teaching-Alternate Experience in a middle school, and vice versa.

Subject-Specific Licensure Requirements

In addition to the above licensure sequence, which is common to all middle/secondary programs, some subjects require additional coursework beyond the major in order to obtain licensure. Refer to the course descriptions in each department for details. Note that the Academic Advising Report (AR) lists the specific licensure requirements for only one subject. Students seeking licensure in more than one subject are responsible for all requirements listed under licensure in each of the subjects whether they appear on the AR or not. Refer to particular departments for details.

Important subject-specific licensure requirements include the following:

Social sciences majors (except Psychology) must complete coursework in economic cooperatives and environmental studies as specified for the major;

Science majors must complete coursework in environmental studies as specified;

English majors must complete coursework in literature for adolescents and literature by authors belonging to American minority groups as specified for the major;

Foreign language majors, within three years of taking the methods course, must complete a four-week residency requirement in a location where the foreign language is the predominant medium of communication.

Bilingual/Bicultural and ESL Education minors must complete bilingual student teaching or field study;

Health minors must complete a methods course in health;

Library media minors must complete practicum coursework.

TEACHING ENGLISH AS A SECOND LANGUAGE/BILINGUAL-BICULTURAL**MINOR 24 UNITS (LICENSURE)**

1. CIGENRL 350/550, ESL 350/550
2. ESL 310/510, CIGENRL 310/510
3. CIGENRL 354/554, ESL 354/554
4. ESL 320/520, CIGENRL 320/520
5. ESL 330/530, CIGENRL 330/550
6. ESL 403/603, CIGENRL 403/603
7. CIGENRL 405/605, ESL 405/605
8. CIFLD 492/692

UNIQUE REQUIREMENT: CORE LICENSE

Those pursuing the ESL license must take language study to the 251 level or above or the equivalent in language experience to be determined in consultation with the program coordinator.

ES./BE LICENSE:

1. Those pursuing the ESL/BE license must take one of the following courses, which can be completed within General Education or Diversity course requirements for graduation: RACEETH 380/580 OR CHICANO 310/510 OR CHICANO 320/520
2. Those pursuing the ESL/BE license must take CIGENRL 455/655 OR ESL 455/655

Those pursuing the ESL/BE license must demonstrate linguistic competence at the low advanced level on the American Council of Teachers of Foreign Languages (ACTFL) Oral Proficiency interview scale and demonstrate cultural competence by an instrument yet to be specified by DPI.

TEACHING ENGLISH AS A SECOND LANGUAGE

MINOR - 24 UNITS (LICENSURE)

1. CIGENRL 350/550, ESL 350/550
2. ESL 310/510, CIGENRL 310/510
3. CIGENRL 354/554, ESL 354/554
4. ESL 320/520, CIGENRL 320/520
5. ESL 330/530, CIGENRL 330/550
6. ESL 403/603, CIGENRL 403/603
7. CIGENRL 405/605, ESL 405/605
8. CIFLD 492/692

UNIQUE REQUIREMENT: CORE LICENSE

Those pursuing the ESL license must take language study to the 251 level or above or the equivalent in language experience to be determined in consultation with the program coordinator.

ESL Additional Recommendations

It is beyond the scope of this 24-credit academic minor to make someone a balanced bilingual with native-like cultural competence. However, it is possible for candidates to improve cultural and linguistic knowledge and competence by pursuing advanced language and culture study at UW-Whitewater, *within general education course work*, and elsewhere beyond the unique requirements specified above. Indeed, this competence is essential in achieving the performance levels specified by DPI, necessary to secure the ESL/BE license. To this end, students will be advised to include the courses listed below in their general education program as well as coursework in foreign languages, travel study, and study abroad.

RACEETH 380 Race, Ethnicity, and Social Justice: Issues for Helping Professionals.

CHICANO 150 Introduction to Chicano Studies

CHICANO 200 Chicano Literature: Historical Context and Contemporary Text

CHICANO 201 Contemporary Chicano Literature

CHICANO 310 History of Chicanos in the U.S.: 19th Century Roots and 20th Century Development

CHICANO 320 Politics of the Chicano

CHICANO 330 Chicano and Latino American Thought

ENGLISH 265 Multicultural Literature of the United States

HISTORY 343 Modern Latin America

HISTORY 346 History of Mexico

HISTORY 394 The U.S. at War in Vietnam

COURSE DESCRIPTIONS**CURRICULUM & INSTRUCTION**
CIGENRL 214 INFORMING THE EDUCATION CONSUMER: ISSUES IN AMERICAN PUBLIC EDUCATION 3 u

The course explores the political pressures affecting various aspects of public education including legal issues, standards and standardized testing, the Americans with Disabilities Act, school violence, school funding, literacy, language in education, the arts in education, technology in education, multiculturalism, gender issues, and curriculum reform. Units of study will broadly focus on three areas: (1) the mission of public education, (2) the actual practice it engenders, and (3) the impact of that practice on American society. Units will be led by professors having expertise in the areas to be considered.

CIGENRL 310/510 SURVEY OF EDUCATIONAL LINGUISTICS 3 u

In Survey of Educational Linguistics, students will examine certain core areas of linguistics (phonology, morphology and syntax), with special attention to language acquisition. Course assignments will relate to the teaching of linguistically diverse communities.

Prereq: ENGLISH 101 and ENGLISH 102 or consent of instructor

CIGENRL 320/520 THE SPOKEN LANGUAGE AND DISCOURSE ANALYSIS 3 u

In The Spoken Language & Discourse Analysis, students will develop working knowledge of contemporary issues in the teaching of oral communication (speaking and listening skills) to learners of ESL. Linguistic principles studied are also pertinent for those teaching foreign languages.

Prereq: ENGLISH 101 and ENGLISH 102 or ENGLISH 161 and ENGLISH 162 and ENGLISH 281 or special permission from the instructor.

Unreq: ESL 320/520

CIGENRL 330/530 TEACHING GRAMMAR IN THE ESL/BE CLASSROOM

Teaching Grammar in the ESL/BE Classroom is a component of the licensure minor in Teaching ESL/Bilingual-Bicultural Education. This course prepares teachers to instruct non-native learners in English grammar. Students examine selected grammatical topics to better comprehend the structure of English and to develop a repertoire of techniques for teaching them.

Prereq: ENGLISH 101 and ENGLISH 102 and Admission to the College of Education or consent of instructor

CIGENRL 350/550 INTRODUCTION TO ESL AND BILINGUAL-BICULTURAL EDUCATION 3 u

History, philosophy and rationale for bilingual/bicultural education. A study of different models of bilingual education programs as well as different types of bilinguals. Cultural, socioeconomic and psychological factors influencing learning in the bilingual child.

Unreq: SECNDED 350/550, ESL 350/550.

CIGENRL 354/554 SEMINAR IN ESL AND BILINGUAL EDUCATION 3 u

In the Seminar in ESL and Bilingual Education, students meet to reflect upon the relationship between program content and contemporary issues in the educational and socio-political experiences of linguistically diverse communities in the region and state. Rotating themes include family, community and cultural change.

Coreq: first term - CIGENRL 350/550, second term - ESL 320/520 or ESL 330/530 or ESL 403/604, third term - CIFLD 492

CIGENRL 403/603 ESL METHODS AND CURRICULUM 3 u

ESL Curricula and Materials will provide students with the background to develop or select appropriate curricula and to design materials which enhance language learning. The approach to curricular design and materials development is one that is learner centered.

Prereq: ENGLISH 101, ENGLISH 102, ENGLISH 281 and ESL 301.

CIGENRL 405/605 ASSESSMENT IN THE ESL/BILINGUAL CLASSROOM 3 u

This course explores policies, procedures, and instruments used to assess English language proficiency and academic achievement of limited English proficient students in American public schools. Included in this are the areas of English and native language competence; program placement, progress, and exit; alternative assessments in ESL, bilingual and mainstream classrooms.

Prereq: Admission to the College of Education or consent of instructor

CIGENRL 406/606 ART FOR EXCEPTIONAL CHILDREN 3u

An undergraduate/graduate level course in Art Education for teachers of exceptional children and adolescents. The course will provide a background for curriculum development in art for children and adolescents with specific physical, mental, learning and emotional needs.

CIGENRL 435/635 LANGUAGE ACQUISITION FOR THE BILINGUAL CHILD 3 u

An examination of the process involved in the acquisition of a first and second language and the implications this has for the curriculum and

language instruction in the bilingual school. Special emphasis on stages of language development; the role of adult models, teachers, and environment in language learning; social classes and differences in language development; dialect differences and language development; etc.
Unreq: SECNDED 435/635.

CIGENRL 455/655 TEACHING CONTENT IN THE BILINGUAL CLASSROOM 3 u

This course is an examination of various techniques and materials being used to teach content area subject matter in ESL/bilingual education programs. Other topics of discussion include language assessment and adaptation of materials to the learner's language proficiency and cultural experience. The course is taught in English, but discussion will take place in other languages so that students have the opportunity to expand and improve their command of the language used as a medium of instruction.
Unreq: SECNDED 455/655, ESL 455/655.

CIGENRL 475 COMPUTER APPLICATIONS IN EDUCATION 3 u

This course is designed to introduce prospective teachers to applications of computers in the schools. The students will examine, analyze and evaluate available software. Computer assisted instruction and computer managed instruction concepts will be used to view the role of computers in the total education program.

CIGENRL 476/676 CURRENT TOPICS IN INSTRUCTIONAL COMPUTING 3 u

A topic or topics not otherwise accounted for in other computer education courses will be chosen as the focus of each course. For instance, the use of multimedia in the schools could be one suggested topic. Each topic would be explored in the following ways: 1) what does the current research say about the topic?, 2) what potential impact can this technology have in the schools?, 3) are there special hardware, software, personnel, or other requirements necessary for successful implementation of this topic in the schools?, 4) what potential does this topic have for integration into the curriculum?, 5) whenever possible, a hands-on experience with the topic will be part of the overall experience. This would be possible if the topic involved a particular computer application.

CIGENRL 477/677 TELECOMMUNICATIONS FOR EDUCATORS 3 u

In this course, participants will have the opportunity to explore ways in which telecommunications can be used to enhance classroom instruction. A number of online information sources for education will be explored including the Internet, Consortium for School Networking (CoSn), Learning Link, School Net (SCHLnet), FrMail, Prodigy, Scholastic Online, Delphi, America Online, and other specialized services. An overview of ways that telecommunications can be used in various curricular areas such as Language Arts, Math, Science, Social Studies, Music, Art, Foreign Language, etc. will be presented. A large portion of the course will be done online with participants completing assignments and exchanging information using e-mail. Class members will do a telecommunications project of their choice as a culminating activity. It should be noted that this course will look at only one aspect of telecommunications—those activities which use computers and modems.

Prereq: Class members should have previous experience with computers. CIGENRL 475 or consent of instructor.

CIGENRL 489/689 EMPLOYMENT STRATEGIES 1 u

Offered on a satisfactory/no Credit basis only. Designed to acquaint the teacher education student with the problems and procedures of securing a teaching position. Includes consideration of professional ethics, preparation of placement Credentials, teacher licensure practices, interviewing techniques and teaching contracts. Reviews opportunities for professional advancement through graduate study. (Open to teacher education students. Should be taken the semester prior to graduation or the semester of graduation.
Unreq: SPECED 489/689.

CIGENRL 470 STUDENT TEACHING SEMINAR 2 u

Discussion and writing about practical issues of teaching as experienced in the full-time directed teaching term. Incorporates presentations and panels by experienced educators as well as large- and small-group interaction to promote reflection and inform beginning teachers.
Repeatable.

Coreq: CIFLD 411 or CIFLD 412 or CIFLD 414

Prereq: Restricted to students with professional ed admission.

CIGENRL 490/690 WORKSHOP 1-6 u

Repeatable for a maximum of 9 units in degree.

CIGENRL 491/691 TRAVEL STUDY Repeatable 1-3 u

CIGENRL 494/694 SEMINAR 1-3 u

Repeatable. Prereq: Junior standing.

CIGENRL 496/696 SPECIAL STUDIES Repeatable 1-3 u

CIGENRL 498 INDEPENDENT STUDY 1-4 u

Repeatable. Prereq: Junior or senior standing and cons instr.

EARLY CHILDHOOD

EARLYCHD 222 EARLY CHILDHOOD MUSIC METHODS 2 u

Early Childhood Music Methods is designed to prepare early childhood education majors to enhance and support music education through awareness of the role of music in children's lives and the goals and processes necessary for musical development. Preservice teachers gain skills, understandings and dispositions which will allow them to enrich classroom environments through the incorporation of music into various school settings.

Prereq: MUSC 111

EARLYCHD 321 PROGRAMS AND CURRICULUM FOR YOUNG CHILDREN 3 u

The investigation of various early childhood programs with emphasis on planning the environment: designing, implementing, and evaluating learning and teaching in an effective manner.

Prereq: CIFLD 210, EDFOUND 322, EDFOUND 222 or taken concurrently. Restricted to students with professional ed admission.

EARLYCHD 330 COMMUNITY - SCHOOL - CHILD RELATIONSHIPS 3 u

This course is designed to aid the student in identifying the interrelationships of home, school, community, and society in affecting the education of children. An emphasis is placed on the children-at-risk concept and its implications for teachers. A second emphasis will be given to techniques of communication between parents and teachers and means of actively engaging community members in the school.

Prereq: Restricted to students with professional ed admission. Twenty hours of community service work will be required.

EARLYCHD 340/540 NUTRITION AND HEALTH: EARLY CHILDHOOD 3 u

This course pertains to the needs of the young child of preschool age through the third grade, with emphasis on knowledge of nutrition, safety, and health in homes and community and school settings.

Prereq: Admission to professional education.

EARLYCHD 361/561 CHILDREN'S LITERATURE 3 u

A study of literature and media for Early Childhood, PreK-6; emphasis on evaluating, selecting, and presenting materials related to the interests and needs of children and the curriculum.

Prereq: Restricted to students with professional education admission; PreK-6 Licensure or EEN Licensure or Library/Media Minor.

EARLYCHD 365 TECHNOLOGY - ENHANCED APPLICATIONS IN EARLY CHILDHOOD EDUCATION 3 u

This course will provide students an opportunity to obtain expertise in implementing a technology-enhanced curriculum for children from three through eight years old. Students will understand the value of emerging technology, acquire skills for selecting and evaluating existing software and hardware, and learn to design developmentally appropriate technology-related experiences.

EARLYCHD 462/662 PROGRAMS AND CURRICULUM FOR INFANTS AND TODDLERS 3 u

This course will enable students to plan a sequential curriculum for children from birth to age three. Issues, concepts, and research findings pertaining to group care of infants and toddlers in a variety of settings will be considered, as well as teaching strategies employed with very young children.
Prereq: Restricted to students with professional ed admission.

EARLYCHD 475/675 ADMINISTRATION OF PRE - SCHOOL PROGRAMS 3 u

The concentration of this course is upon managerial skills. Areas of emphasis are licensing, writing policies, programming, staffing, finances, professional ethics, and public relations.
Prereq: EARLYCHD 321, Jr or sr st. Restricted to students with professional ed admission.

ELEMENTARY/MIDDLE EDUCATION**ELEMMD 215 METHODS OF TEACHING ART IN THE ELEMENTARY/MIDDLE SCHOOL 2 u**

A study of the contribution of creative expression in art to the development of a child and the role of visual arts in the elementary school curriculum. Through studio experiences, lecture - discussions, and media presentations, all of the areas of art basic to the elementary/middle school program will be explored and curriculum materials developed. The observation and analysis of children's art activities will be included. Required of all Early Childhood, Elementary and Dual Elementary-Special Education Majors.
Prereq: ARTSTUDIO 121.

ELEMMD 223 ELEMENTARY/MIDDLE SCHOOL MUSIC METHODS 2 u

Elementary/Middle School Music Methods is designed to prepare elementary/middle school education majors to enhance and support music education through awareness of the role of music in children's lives and the goals and processes necessary for musical development. Preservice teachers gain skills, understandings and dispositions which will allow them to enrich classroom environments through the incorporation of music into various school settings.
Prereq: MUSC 111

ELEMMD 324 TEACHING OF SCIENCE IN THE ELEMENTARY/MIDDLE SCHOOL 3 u

This course considers different teaching models, metacognitive tools, inquiry structures, assessment approaches, curriculum design, use of computer technology in elementary and middle school science instruction, and state and national science education standards. Issues of safety and accessibility are addressed as a part of curriculum planning for the science classroom.
Prereq: Restricted to students with professional ed admission.

ELEMMD 362/562 CHILDREN'S LITERATURE 3 u

A study of literature for older children including fiction and non-fiction. Multi-media as related to literature, selection and usage are also explored. Restricted to students with professional ed admission.

ELEMMD 363 THE TEACHING OF SOCIAL STUDIES IN THE ELEMENTARY/MIDDLE SCHOOL 3 u

This course prepares preservice teachers to organize the social studies

curriculum, construct strategies for instruction and to teach problem solving in the elementary and middle school. Additionally, the course gives attention to methods of pupil assessment, selection of instructional materials, use of different instructional media to facilitate learning among students with a wide range of abilities and various cultural backgrounds.
Prereq: Restricted to students with professional ed admission.

ELEMMD 422 TEACHING LANGUAGE ARTS IN THE ELEMENTARY/MIDDLE GRADES 2 u

This course focuses on the organization of the language arts program in the elementary/middle grades with emphases on common functions of listening, speaking, reading and writing as elements of effective communication.
Prereq: Restricted to students with professional ed admission.

ELEMMD 424 ELEMENTARY/MIDDLE SCHOOL ART EDUCATION 3 u

A preparatory course for those planning to teach art in the elementary/middle school. Included will be a study of the contribution of art expression to the creative growth of the child and an analysis of the visual arts in the elementary/middle school curriculum. Various approaches to curriculum organization will be explored and materials developed for use in teaching. Required of all Broadfield Art majors and minors seeking licensure to teach art at the elementary level.
Prereq: Restricted to students with professional ed admission.

ELEMMD 425 TEACHING MATHEMATICS IN THE ELEMENTARY/MIDDLE GRADES 3 u

The student will be instructed in how to assist the elementary/middle pupil in his understanding of mathematics, will become acquainted with different pedagogical techniques to be used in the contemporary mathematics classroom and will be taught to devise evaluation techniques to measure their effectiveness.
Prereq: Restricted to students with professional ed admission.

ELEMMD 434 ELEMENTARY GENERAL MUSIC METHODS 3 u

A course designed to prepare music education majors to teach music as specialists in the elementary school. Students will acquire knowledge and apply skills related to curriculum design, selection of musical materials, methods of instruction, characteristics of learners, inclusion and diversity in the music classroom, personal musicianship and educational ends, purposes and values related to music education.
Coreq: EDFOUND 492. Restricted to students with professional ed admission.

ELEMMD 437 ELEMENTARY/MIDDLE SCHOOL INSTRUMENTAL METHODS 3 u

This course prepares the instrumental music teacher to deal with the problems of teaching instrumental music in the elementary/middle school. Specific areas covered in the course include recruiting and selection of elementary/middle school band students, class organization, scheduling, and teaching procedures.
Prereq: MUSC 356 Restricted to students with professional ed admission.

READING**READING 360 READING IN THE ELEMENTARY/MIDDLE SCHOOL 3 u**

This course is designed for the undergraduate student to examine the reading process. The principles and strategies of the approaches to reading instruction, beginning reading instruction, word recognition skills, vocabulary development, and special needs are also examined in detail.
Prereq: Restricted to students with professional ed admission.

READING 361 EMERGENT LITERACY AND BEGINNING READING INSTRUCTION 3 u

This course is designed to acquaint undergraduate students with children's

reading and writing development from birth through age 8 and with appropriate education practices used to promote literacy development. Prereq: Restricted to students with Professional Education Admission.

READING 460 ELEMENTARY/MIDDLE SCHOOL READING TEACHING STRATEGIES 3 u

This course will focus on the reading comprehension process. This course will also include in-depth examination of: study skills, content area reading, integration of children's literature into the reading program, special needs, classroom organization, management and assessment. Prereq: READING 360 or READING 361. Restricted to students with professional ed admission.

READING 461 REMEDIATION STRATEGIES FOR TEACHING DISABLED READERS 3 u

Principles, approaches and strategies used in the diagnosis and remediation of reading disabilities will be studied. Emphasis will be on the application of remedial strategies and the development of individualized reading programs designed to match student needs. Prereq: READING 360, READING 460 or SECNDED 466

READING 491/691 TRAVEL STUDY 1-3 u *Repeatable*

MIDDLE/SECONDARY EDUCATION

SECNDED 350/550 INTRODUCTION TO MULTICULTURAL EDUCATION 3 u

History, philosophy and rationale for bilingual/bicultural education. A study of different models of bilingual education programs as well as different types of bilinguals. Cultural, socio-economic and psychological factors influencing learning in the bilingual child. Unreq: CIGENRL 350/550, ESL 350/550.

SECNDED 420/620 METHODS OF TEACHING PHYSICAL EDUCATION K-12 3 u

Techniques of teaching physical education including selection of content, methods of presentation, class management, supervision, community influences, curriculum planning and professional responsibilities. Prereq: EDFOUND 212 or EDFOUND 222. Restricted to students with professional ed admission.

SECNDED 423 MIDDLE/SECONDARY SCHOOL ART EDUCATION 3 u

A preparatory course toward teaching art in middle/secondary school. The place of art in the middle/high school program, use and organization of art materials, exhibits and community relations. Required of all broadfield art education majors. Prereq: EDFOUND 212 or EDFOUND 222. Restricted to students with professional ed admission.

SECNDED 426/626 METHODS OF TEACHING ENGLISH AND LANGUAGE ARTS 3 u

Engages the students in shaping viable perspective for teaching English in today's middle/secondary school; in planning, developing, and evaluating a course, a unit, and a lesson series; in considering and practicing several modes of instruction-learning; in individualizing learning for particular adolescents; and in preparing generally for the Teaching Practicum. Prereq: EDFOUND 212. Restricted to students with professional ed admission.

SECNDED 427/627 METHODS OF TEACHING FOREIGN LANGUAGE AND ESL 3 u

An introduction to the principles and techniques of teaching modern foreign languages including English as a second language designed to prepare students for the Teaching Practicum. Emphasis is placed on a communicative approach to lesson planning, classroom instruction and proficiency assessment in accordance with the WI Academic Standards. Prereq: EDFOUND 212. Restricted to students with admission to

professional ed or Graduate Studies.

SECNDED 428/628 METHODS OF TEACHING MATHEMATICS 3 u

A study of the materials, methods, curriculum and structure of secondary school mathematics. Review of current objectives in secondary school mathematics. Prereq: EDFOUND 212. Restricted to students with professional ed admission.

SECNDED 429/629 METHODS OF TEACHING SCIENCE 3 u

Designed to acquaint students with basic educational techniques; to develop in students the ability to utilize effectively techniques characteristic of science programs, namely, laboratory learning to acquaint students with new approaches to science; to familiarize students with new developments in the science curriculum; to help students gain a broad vision of their teaching profession, their science area and their responsibilities to all students. Prereq: EDFOUND 212. Restricted to students with professional ed admission.

SECNDED 430/630 METHODS OF TEACHING SOCIAL STUDIES 3 u

The study of the teaching-learning process, objectives in social studies, planning for teaching, selection of content and resources, teaching-learning strategies and evaluative methods. Prereq: EDFOUND 212. Restricted to students with professional ed admission.

SECNDED 434 METHODS OF TEACHING THEATRE 3 u

Techniques of teaching drama, including discussions of the place of theatre in the high school program. The methods and materials appropriate to classroom instruction and the procedures for planning and directing high school dramatic productions will be covered. Prereq: EDFOUND 212. Restricted to students with professional ed admission.

SECNDED 435/635 LANGUAGE ACQUISITION FOR THE BILINGUAL CHILD 3 u

An examination of the processes involved in the acquisition of a first and second language and the implications this has for the curriculum and language instruction in the bilingual school. Special emphasis on stages of language development, the role of adult models, teachers and environment in language learning, social class and differences in language development, dialect differences and language development, etc. Unreq: CIGENRL 435/635.

SECNDED 436 METHODS OF TEACHING GENERAL MUSIC IN THE MIDDLE/SECONDARY SCHOOL 2 u

Required of music education students desiring middle/secondary general licensure. Planning and sequencing classroom music instruction for the general student in middle and high school. Examination of various course options for the general student as well as current approaches, techniques, and materials. Prereq: Restricted to students with professional ed admission.

SECNDED 437 METHODS OF TEACHING INSTRUMENTAL MUSIC IN THE MIDDLE/SECONDARY SCHOOL 2 u

Procedures for organizing, planning, and directing middle/secondary instrumental groups of various types are presented. Problems of student retention, concert presentation, music contest, tours, and establishing a unified instrumental program for the entire school system are addressed with solutions offered. Prereq: ELEMID 437, Coreq: CIFLD 492. Restricted to students with professional ed admission.

SECNDED 438 METHODS OF TEACHING CHORAL MUSIC IN THE MIDDLE/SECONDARY SCHOOL 2 u

Required of vocal and combined music majors and special minors. Includes methodology in planning a comprehensive program of music experiences in the middle/secondary school with emphasis on organizing, developing and directing/rehearsing choral groups. Application of the Kodaly method. Coreq: CIFLD 492. Restricted to students with professional ed admission.

SECNDED 440 METHODS OF TEACHING MARKETING EDUCATION 2 u

A practical analysis of the various methods, teaching devices, and sources of information in teaching distributive education. Teaching content of the various related courses will be analyzed.

Coreq: Nine units of marketing-related courses and admission to professional education.

SECNDED 441 METHODS OF TEACHING ACCOUNTING 2 u

A study of course content in accounting and record keeping at the high school level. The course involves writing objectives, developing lesson plans, making presentations, studying evaluation methods, analyzing textbooks, using computer software, and completing a simulation project.

Prereq: ACCOUNT 244 and ACCOUNT 498 or ACCOUNT 701 and ACCOUNT 798. Restricted to students with professional ed admission or consent of instructor.

SECNDED 442 METHODS OF TEACHING COMPUTER APPLICATIONS 2 u

This course examines the methods of teaching computer-based courses through the study of keyboarding development, curriculum for keyboarding from the early elementary grades through post-secondary schools, procedures and standards of assessment, and computer applications including Microsoft Word, Excel, Access, and PowerPoint.

Prereq: BSEDCNA 245. Restricted to students with professional ed admission.

SECNDED 444 METHODS OF TEACHING BASIC BUSINESS SUBJECTS 2 u

A study of the current issues and the curriculum affecting basic business data processing. Objectives, methods, and resources are explored through development of a resource unit, lesson plans, and instructional materials. Prereq: FNBSLW 341 or FNBSLW 721 and BSEDCNA 344 or BSEDCNA 701, one of which may be taken concurrently, and admission to professional education.

SECNDED 450 METHODS: COMMUNICATIVE DISORDERS 3 u

A study of procedures and materials used in the public schools by speech and language clinicians. The course aids the student in the development of a workable philosophical approach with communicative disorders in the public schools.

Prereq: EDFOUND 212 or EDFOUND 222 or EDFOUND 478.

SECNDED 455/655 TEACHING CONTENT IN THE BILINGUAL CLASSROOM 3 u

An examination of various techniques and materials being used to teach subject matter in bilingual programs with emphasis on Spanish materials. Other topics of discussion are: language assessment and adaptation of materials to the learner's language proficiency and cultural experience. Course will be taught in English and Spanish, so that students may have the opportunity of expanding their command of the other language being used as a medium of instruction.

Unreq: CIGENRL 455/655, ESL 455/655.

SECNDED 466 LITERACY STRATEGIES FOR CONTENT-AREA TEACHERS 3 u

The principles, techniques and materials for literacy instruction in the middle/secondary schools with emphasis on application of skills within the various content areas taught in the secondary schools.

Prereq: EDFOUND 212 or EDFOUND 222 or EDFOUND 478. Restricted to students with professional ed admission.

PRACTICUM**CIFLD 401 DIRECTED TEACHING - ALTERNATIVE PLACEMENT ELEMENTARY SCHOOL 2 u**

Professional laboratory experience is provided under the guidance of carefully selected qualified cooperating teachers in elementary school classrooms in the area. Students with licensure who desire recommendation for licensure by this University, must complete at least 3-6 units of directed teaching on this campus regardless of the number of units earned elsewhere.

Prereq: Restricted to students with Admission to Directed Teaching

CIFLD 402 DIRECTED TEACHING - ALTERNATIVE PLACEMENT ELEMENTARY SCHOOL 2 u

Professional laboratory experience is provided under the guidance of carefully selected qualified cooperating teachers in middle school classrooms in the area. Students with licensure who desire recommendation for licensure by this University, must complete at least 3-6 units of directed teaching on this campus regardless of the number of units earned elsewhere.

Prereq: Restricted to students with Admission to Directed Teaching

CIFLD 404 DIRECTED TEACHING - ALTERNATIVE PLACEMENT SECONDARY SCHOOL 2 u

Professional laboratory experience is provided under the guidance of carefully selected qualified cooperating teachers in secondary school classrooms in the area. Students with licensure who desire recommendation for licensure by this University, must complete at least 3-6 units of directed teaching on this campus regardless of the number of units earned elsewhere.

Prereq: Restricted to students with Admission to Directed Teaching

CIFLD 160 INTRODUCTION TO TEACHING MUSIC 1 u

Required of music education students. Investigation of philosophical and psychological principles basic to the teaching of music, development of skills in planning and assessing music learning, and exploration of music's role in the school and in the community. Includes regular laboratory experience.

CIFLD 411 DIRECTED TEACHING - ELEMENTARY 2-12 u

Offered on a satisfactory/no credit basis only. Professional laboratory experience under the guidance of carefully selected, qualified cooperating teachers in elementary school classrooms in the area. Students with licensure who desire recommendation for licensure by this University must complete at least 3-6 units of directed teaching on this campus regardless of the number of units earned elsewhere.

Repeatable for a maximum of 18 units in major/degree.

Prereq: CIFLD 492 or concurrent registration in CIFLD 492. Restricted to students with professional ed admission.

CIFLD 412 DIRECTED TEACHING - MIDDLE SCHOOL 2-12 u

Offered on a satisfactory/no credit basis only. Professional laboratory experience is provided under the guidance of carefully selected, qualified cooperating teachers in middle school classrooms in the area. Students with licensure who desire recommendation for licensure by this University must complete at least 3-6 units of directed teaching on this campus regardless of the number of units earned elsewhere. Repeatable for a maximum of 18 units in major/degree.

Prereq: CIFLD 492 or concurrent registration in CIFLD 492. Restricted to students with professional ed admission.

CIFLD 413 DIRECTED TEACHING FOR SPECIAL MINORS 2 u

Offered on a satisfactory/no credit basis only. Teaching under the guidance of supervising teachers in affiliated public schools in special subject areas. Repeatable.

Prereq: Restricted to students with professional ed admission.

CIFLD 414 DIRECTED TEACHING - SECONDARY 2-12 u

Offered on a satisfactory/no credit grade basis only. Professional laboratory experience is provided under the guidance of carefully selected qualified cooperating teachers in secondary school classrooms in the area. Students with licensure who desire recommendation for licensure by this University, must complete at least 3-6 units of directed teaching on this campus regardless of the number of units earned elsewhere. Repeatable for a maximum of 18 units in major/degree.

Prereq: CIFLD 492 or concurrent registration in CIFLD 492. Restricted to students with professional ed admission.

CIFLD 415 DIRECTED TEACHING: EARLY CHILDHOOD/PRE-KINDERGARTEN 3 u

Offered on a satisfactory/no credit grade basis only. Professional laboratory experiences under the guidance of carefully selected, qualified, cooperating nursery school teachers in area schools.

Repeatable for a maximum of 6 units in major/degree.

Prereq: Restricted to students with professional ed admission.

CIFLD 492 FIELD STUDY 1-12 u

Offered on a satisfactory/no credit basis only. Designed to give the student experience in working with individuals in such settings as day care centers, nursery, elementary, middle and secondary schools. Repeatable for a maximum of 12 units in degree.

Prereq: EDFNDPRC 210. Restricted to students with professional ed admission.

DEPARTMENT OF EDUCATIONAL FOUNDATIONS

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Faculty: Rene Barr, Pamela Clinkenbeard, Anne DurstLloydLaRoque, Darlene Habanek, Eileen Schroeder, Ellen Smith, Anthony Truog (Chairperson), Gregory Valde, Anne Zarinnia.

The Department of Educational Foundations offers electives and required courses that are taken by those seeking teacher licensure. A 24/26 hour minor is offered in Library Media. This program is designed to prepare students to be public librarians and librarians in the fields of art, business, engineering, finance, industry, law, medicine, museums, music, and vocational technical settings as well as school librarians on the K-12 level.

MINOR/EMPHASES**LIBRARY MEDIA PUBLIC SPECIAL EMPHASIS**

MINOR - 26 UNITS

1. LIBMEDIA 343, LIBMEDIA 350, LIBMEDIA 351 AND ELEM-MID 362
2. EDFNDPRC 411, LIBMEDIA 434, LIBMEDIA 440, LIBMEDIA 451 AND LIBMEDIA 454

LIBRARY MEDIA K-12 EMPHASIS

MINOR - 24 UNITS

1. LIBMEDIA 343, LIBMEDIA 350, LIBMEDIA 351 AND ELEM-

MID 362

2. LIBMEDIA 434, LIBMEDIA 440, LIBMEDIA 451 AND LIBMEDIA 454

Please note, to receive an elementary 1-9 license, which requires a licensable minor, you need to complete all courses for Library Media 901 licensure. These consist of the courses for the library Media minor and **two practicum experiences**.

COURSE DESCRIPTIONS**FOUNDATIONS****EDFOUND 243 EDUCATION IN A PLURALISTIC SOCIETY GI/Diversity 3 u**

Designed to prepare students to teach in settings with diverse student populations. Attention will be directed to major issues confronting education, the experiences of students from diverse backgrounds, and an analysis of the role of the teacher in a pluralistic society.

Prereq: For those seeking licensure in education, concurrent enrollment in CIFLD 210 or SPECFLD 210 and EDFOUND 212 or EDFOUND 222.

LIBRARY/MEDIA

E-Mail: libmedia@mail.uwm.edu

LIBMEDIA 201 INDIVIDUALIZED LEARNING SYSTEM IN EDUCATIONAL MEDIA (ILSEM) 1 u

Offered on a satisfactory/no credit basis only. ILSEM is a modular individualized learning system designed to present students with exploratory and hands-on practical experiences at the introductory level with classroom technologies for print, graphics and visual communication, and related web-based resources.

LIBMEDIA 343/543 ADOLESCENT LITERATURE AND RELATED MEDIA 3 u

Designed primarily to acquaint the student with books and nonprint media which appeal to the adolescent interest. Emphasis will be placed on adolescent human growth and development, reading interests and principles of selection. Open as an elective.

Prereq: Soph st.

LIBMEDIA 350/550 REFERENCE AND BIBLIOGRAPHY 3 u

Basic reference theory and the strategies and tools useful in manual and electronic reference service.

Prereq: Jr st.

LIBMEDIA 351/551 BUILDING MEDIA COLLECTIONS 3 u

Principles of building and managing collections for all types of libraries. Study of tools used in selection and ensuring access to information for particular purposes and populations. Emphasis will be placed on supporting intellectual freedom.

Prereq: Jr st.

LIBMEDIA 434/634 INSTRUCTIONAL TECHNOLOGY 3 u

An introduction to instructional technology as it relates to present and future curriculum objectives. Basic techniques for operating computer enhanced audiovisual equipment, and producing graphic, projected and electronic media are developed, including simple use of video systems, desktop publishing and hypermedia for the classroom and media center.

Prereq: Jr st or above.

LIBMEDIA 438/638 TEACHING AND LEARNING VIA VIDE AND ACROSS DISTANCES 3 u

As our technological capabilities grow, education is no longer bounded by the four walls of the classroom. We can now connect students, teachers, and

experts around the state and across the world. With these new capabilities arises the question as to how best enhance learning when students, teachers, and resources may be widely dispersed geographically in distributed learning environments. This class will introduce you to the strategies and technologies of distance education from creating and editing videotapes usable in many locations to connecting learners via two-way interactive video conferencing systems.

LIBMEDIA 440/640 DEVELOPING LIBRARY/MEDIA SKILLS 3 u

This course is designed to support development of effective information and technology literacy skills in library users and integration of those skills into the curriculum.

LIBMEDIA 441/641 COMPUTER APPLICATIONS IN THE LIBRARY AND MEDIA CENTER 3 u

This course prepares students to identify, critically select and use available library hardware and software through the process of analysis of needs, design and evaluation of currently available systems and services.

Prereq: LIBMEDIA 434/634 or cons instr.

LIBMEDIA 451/651 CLASSIFICATION AND CATALOGING 3 u

Introduction to the organization of information. Study of the principles governing basic methods of descriptive cataloging and intellectual access to print, non-print and electronic materials and information sources. Emphasis is on the Dewey Decimal Classification, MARC records, electronic tools, Sears subject headings and metadata.

Prereq: Junior standing.

LIBMEDIA 454/654 LIBRARY AND MEDIA CENTER ADMINISTRATION 3 u

Organization and administration of libraries and school media centers. Includes the study of library objectives and the theory and practice of acquiring, processing, disseminating, housing and accessing all types of educational materials. Emphasis is on planning, leadership and the changing roles and responsibilities of the library media professional.

Prereq: Jr st.

LIBMEDIA 494 SEMINAR 2 u

An advanced course of study which may involve original research or the study of materials in a particular area appropriate to librarianship studied under an instructor of the department.

May be retaken. Prereq: Jr or sr st.

EDUCATIONAL PSYCHOLOGY DEVELOPMENT

EDFOUND 212 EDUCATIONAL PSYCHOLOGY 3 u

This course is designed primarily for secondary school teachers. Among the areas considered are the psychology of teaching, learning theories, memory, development, intelligence, creativity, individual differences, motivation, and classroom management.

Coreq: EDFOUND 243 and EDFNDPRC 210, Pass two portions of PPST and 2.75 GPA.

EDFOUND 214 PORTFOLIO DEVELOPMENT I 1 u

This course provides a hybrid course format (online & face-to-face) for students who need to fulfill the preprofessional portfolio requirement for admission to professional education. It is designed to assist students in developing a Phase 2 developmental preprofessional portfolio aligned with University of Wisconsin-Whitewater's College of Education (COE) conceptual framework and Wisconsin Department of Public Instruction's (DPI) standards and assessment categories. Students will also be instructed in development of the basic preprofessional requirements (philosophy statement, key/seminal artifacts, and reflective statement(s)).

Prereq: 2.75 cum GPA on a minimum of 12 units, passing score on a minimum of two parts of the PPST, attendance at a Phase I Meeting, official waiver/substitution for EDFNDPRC 210 or completed EDFNDPRC 210

at another campus or completed EDFNDPRC 210 at UWW prior to Fall 2003 or completed EDFNDPRC 210 at UWW but did not pass the Phase 2 portfolio, official waiver/substitution, completion or currently enrolled in EDFOUND 243 and official waiver/substitution, completion or currently enrolled in EDFOUND 212 or EDFOUND 222.

EDFOUND 222 CHILD DEVELOPMENT 3 u

A developmental study of the child from conception to the onset of puberty, including physical, psychosocial and cognitive growth.

Prereq: Concurrent enrollment in CIFLD 210 or SPECFLD 210 and EDFOUND 243.

EDFOUND 230 INTRODUCTION TO HUMAN DEVELOPMENT 3 u

The focus of this course is the study of human development and change throughout the entire lifespan from psychological, sociological, and biological perspectives.

EDFOUND 322/522 PRESCHOOL CHILD DEVELOPMENT 3 u

A study of theory and principles of development and learning from conception to age eight; techniques of observing and the role of play in development.

Prereq: Soph st. Restricted to students with professional ed admission.

EDFOUND 474/674 INCREASING STUDENT MOTIVATION TO LEARN 3 u

This course is designed to help educators gain an understanding of the cognitive, and social-emotional needs of students, analyze educational practices that may undermine the fulfillment of these needs in traditional classrooms, and explore structural changes and instructional strategies that support the needs of all students, thereby increasing their motivation to learn in school.

Prereq: Admission to Professional Education.

EDFOUND 478/678 ADOLESCENT DEVELOPMENT 3 u

Adolescent Development acquaints students with the major theories related to adolescent development and helps students interpret the theories in ways which are meaningful in understanding and working with adolescents. Focus is on the changes of adolescence with special attention given to the biological, cognitive, social and emotional systems.

Prereq: Pass two portions of PPST or professional ed admission or consent of Department Chair.

EDFOUND 481/681 HUMAN ABILITIES AND LEARNING 3 u

This course is designed to help educators comprehend and apply the fundamental psychological principles underlying the teacher-learning process. Among the areas considered are motivation, classroom management, instructional applications, individual differences and creativity.

Prereq: Pass two portions of PPST or professional ed admission or consent of Department Chair.

MEASUREMENT AND RESEARCH

EDFOUND 423 MEASUREMENT AND EVALUATION IN PHYSICAL EDUCATION 3 u

A study of principles and techniques used to evaluate pupil progress in physical education through a survey of available testing instruments and the use of elementary statistics.

Prereq: Jr or sr st. Restricted to students with professional ed admission.

EDFOUND 424/624 MEASUREMENT AND EVALUATION IN THE ELEMENTARY SCHOOL 3 u

This class is designed for special education, communicative disorders, and elementary education majors. It includes testing, measurement, and

evaluation of student progress in multiple contexts. Teacher testing, assessment, and decision making in the school environments are emphasized as well as examining traditional and performance assessment strategies. Basic statistical procedures, the use and interpretation of standardized tests, appropriate use of non-testing techniques are covered as well as various grading and reporting systems.

Prereq: Jr or sr st. Restricted to students with professional ed admission.

EDFOUND 425/625 MEASUREMENT AND EVALUATION IN THE SECONDARY SCHOOL 3 u

This class is designed for special education, communicative disorders and secondary education majors. It includes testing, measurement, and evaluation of student progress in multiple contexts and subject areas. Teacher testing, assessment, and decision making in the school environments are emphasized as well as examining traditional and performance assessment strategies. Basic statistical procedures, the use and interpretation of standardized tests, appropriate use of non-testing techniques are covered as well as various grading and reporting systems specific to the secondary school setting.

Prereq: Jr or sr st. Restricted to students with professional ed admission.

EDFOUND 482/682 EDUCATIONAL STATISTICS 3 u

This course is designed for students at the senior or graduate level who find it necessary to be an educated consumer of statistical information. This is designed to be a first course on this topic. Major areas of study include gathering/organizing data, probability, inferential techniques (t-test, ANOVA, follow-up tests, correlation, and regression), non-parametric techniques (chi-square test), and single subject designs.

SPECIALIZED STUDIES

EDFOUND 490/690 EDUCATION WORKSHOP 1-6 u

Repeatable for a maximum of 9 units in major/degree.

EDFOUND 491/691 TRAVEL STUDY 1-4 u

EDFOUND 492 FIELD STUDY 1-6 u

EDFOUND 496/696 SPECIAL STUDIES 1-3 u

Repeatable for a maximum of 9 units in major/degree. Prereq: Consent of instructor.

EDFOUND 498 INDEPENDENT STUDY 1-3 u

Repeatable. Prereq: Sponsorship of instructor and permission of dept.

HUMANISTIC STUDIES

EDFOUND 472/672 MODELS OF ACCELERATED CLASSROOM LEARNING 3 u

This course is intended to instruct teachers how to use the latest "whole brain" learning theories and techniques in the classroom. It will employ accelerated learning, whole brain instruction, positive and holographic learning.

EDFOUND 475/675 UNDERSTANDING AND DEALING WITH DISRUPTIVE CLASSROOM BEHAVIOR 3 u

Designed to give students an opportunity to discuss the various theoretical approaches to handling disruptive behavior in the classroom and to apply these approaches to actual problem situations. Emphasis will also be placed on the prevention of behavior problems through the development of effective classroom procedures. Recommended for all Education majors.

PRACTICUM

EDFNDPRC 210 OBSERVATION AND PARTICIPATION 1-3 u

Offered on a satisfactory/no credit basis only. This course prepares students for Directed Teaching. It includes participation in the classroom situation under the guidance of a supervising teacher. Repeatable.

Prereq: EDFOUND 212 or EDFOUND 222 or concurrent enrollment and EDFOUND 243 or concurrent enrollment; student must have passed at least two sections of the PPST, and must have achieved a 2.40 grade point average based on at least 12 units of course work or consent of department.

EDFNDPRC 411 LIBRARY PRACTICE 2 u

Offered on a satisfactory/no credit grade basis only. Planned to supply actual experience in area libraries to blend theory and practice for library media minors who do not intend to become school librarians.

Prereq: LIBMEDIA 350, LIBMEDIA 351, LIBMEDIA 451, LIBMEDIA 454 or cons instr.

EDFOUND 492 FIELD STUDY 1-6 u

Studies designed to increase the student's understanding of an area of library media by reading and travel under the direction of a member of the department. Area of concentration to be approved by the chairperson of the department. Repeatable.

Prereq: Jr st or cons instr.

DEPARTMENT OF HEALTH, PHYSICAL EDUCATION, RECREATION AND COACHING

Phone: 262-472-1140

E-Mail: hperc@unm.edu

Faculty: Steven Albrechtsen, Karen Barak, Bruce Bukowski, L. Brenda Clayton, Nancy Farmer, Ann Garvin, Kathleen Happel, Virginia Hicks (Chairperson), Cristy Jefson, Dianne Jones, Constance Kirk, Guoli Liang, Willie Myers, Penny Portman, William Skelly, Denay Trykowski.

GENERAL EDUCATION requirements include a personal health and fitness course for all University students. Additional opportunities exist for the study of health-related physical fitness and/or participation in team, individual, and high risk adventure sports as leisure-time activities at a beginning or intermediate level. Courses offered are available to all students and promote a knowledge of sports and activities which stress the importance of the benefits derived from regular participation in physical activity.

PHYSICAL EDUCATION MAJOR programs provide opportunities supporting both licensure to teach in the public schools, and preparation for careers outside the public schools in health, physical education, recreation and coaching. There are two physical education major programs: (1) a 54-unit major and includes course work leading to a broadfield (K-12) public school licensure, (2) a 35-unit non-licensure major, also requiring a minor, leading to careers outside the public schools in the area of Health Promotion, Human Performance and Recreation.

PHYSICAL EDUCATION FOR SPECIAL STUDENT LICENSURE provides a 15-unit 860 certification in adapted physical education.

MAJOR/EMPHASES

Writing Proficiency Requirement: Students are required to successfully write, in a prescribed time period, on a selected topic. See the department chairperson for information on dates and times of examinations.

PHYSICAL EDUCATION K-12 EMPHASIS (BSE)

LICENSURE REQUIREMENT - 35 UNITS

1. EDFOUND 212, EDFOUND 222 AND EDFOUND 423
2. EDFOUND 243 OR EDFOUND 445
3. SECNDED 400 AND SECNDED 466

4. SELECT 2 UNITS FROM COURSE EDFNDPRC 210
5. STUDENT TEACHING
 - a. SELECT 6 UNITS FROM PEFIELD 411
 - b. SELECT 6 UNITS FROM PEFIELD 412 OR PEFIELD 414
6. SELECT 3 UNITS FROM COURSE PEPROF 492
7. PEPROF 410 RECOMMEND AS A 2 UNITS ELECTIVE (TO BE USED AS MAJOR UNITS UNDER 9, ELECTIVE) CONCURRENT WITH STUDENT TEACHING

MAJOR - 54 UNITS

1. PEPROF 165, PEPROF 173, PEPROF 177, PEPROF 200, PEPROF 212 AND PEPROF 215
2. PEPROF 240, PEPROF 271, PEPROF 281, PEPROF 371, PEPROF 471 AND HEALTHED 181
3. SELECT 1 TEAM SPORT COURSE FROM EACH GROUP BELOW:
 - GRP A: PEPROF 171, PEPROF 178
 - GRP B: PEPROF 172, PEPROF 174, PEPROF 210
4. SELECT 2 UNITS FROM COURSES PEPROF 175, PEPROF 176 OR PEPROF 213
5. SELECT 1 UNIT FROM COURSES PEGNRL 104, PEGNRL 106, PEGNRL 108, PEGNRL 109, PEGNRL 110, PEGNRL 111, PEGNRL 115, PEGNRL 120, PEGNRL 121, PEGNRL 125, PEGNRL 141, PEGNRL 142, PEGNRL 149, PEGNRL 155, PEGNRL 160, PEGNRL 167, PEGNRL 170, PEGNRL 175, PEGNRL 176, PEGNRL 178, PEGNRL 179, PEGNRL 183, PEGNRL 185, PEGNRL 186, PEGNRL 187, OR PEGNRL 490
6. SELECT 1 UNIT FROM COURSES PEGNRL 135, PEGNRL 150, PEGNRL 151, PEGNRL 158, PEGNRL 159, PEGNRL 180, PEGNRL 190, PEPROF 251 OR PEPROF 291
7. PEPROF 314, PEPROF 324, PEPROF 330, PEPROF 340 AND PEPROF 380
8. PEPROF 475 OR PEPROF 478
9. SELECT 5 UNITS APPROVED BY ADVISOR

SWIMMING PROFICIENCY

1. PEGNRL 151 OR PEGNRL 152 OR PEPROF 251 OR PEPROF 291 OR PROFICIENCY TEST

PHYSICAL EDUCATION K-9 EMPHASIS (BSE)

LICENSURE REQUIREMENT - 36 UNITS

1. EDFOUND 222, EDFOUND 423, READING 360, SECNDED 420, AND CIFLD 210
2. EDFOUND 243 OR EDFOUND 445
3. SELECT 3 UNITS FROM COURSE CIFLD 492
4. STUDENT TEACHING
 - a. SELECT 6 UNITS FROM CIFLD 411
 - b. SELECT 6 UNITS FROM CIFLD 414
5. PEPROF 475 or PEPROF 478

MAJOR - 35 UNITS

1. PEPROF 165, PEPROF 173, PEPROF 177, PEPROF 200, PEPROF 212 AND PEPROF 215
2. PEPROF 240, PEPROF 271, PEPROF 281, PEPROF 314, PEPROF 324, PEPROF 330, PEPROF 371 AND PEPROF 380
3. SELECT 1 UNIT FROM COURSES PEPROF 175, PEPROF 176 OR PEPROF 213
4. SELECT 2 UNITS FROM COURSES PEPROF 171, PEPROF 172, PEPROF 174,

PEPROF 178 OR PEPROF 210

SWIMMING PROFICIENCY

1. PEGNRL 151 OR PEGNRL 152 OR PEPROF 251 OR PEPROF 291 OR PROFICIENCY TEST

AN APPROVED MINOR IS REQUIRED FOR THIS MAJOR

PHYSICAL EDUCATION HEALTH, HUMAN PERFORMANCE AND RECREATION EMPHASIS (BSE)

DEGREE REQUIREMENTS - 10-16 UNITS

1. EDFOUND 423 OR HEALTHED 471
2. PEPROF 209
3. SELECT 6 - 12 UNITS FROM PEPROF 493

MAJOR - 35 UNITS

1. PEPROF 165, PEPROF 271, PEPROF 371, PEPROF 415, PEPROF 416 AND PEPROF 471
2. SELECT 3 UNITS FROM COURSES HEALTHED 360, HEALTHED 362, HEALTHED 391, SAFETY 201 OR SAFETY 255
3. SELECT 3 UNITS FROM COURSES HEALTHED 465, RECREATN 334, RECREATN 391 OR COACHING 265
4. SELECT 3 UNITS FROM COURSES PEPROF 480, RECREATN 382, RECREATN 480, RECREATN 489 OR COACHING 480
5. SELECT 3 UNITS FROM COURSES PEPROF 475 OR RECREATN 360
6. SELECT 5 UNITS IN HEALTH, PHYSICAL EDUCATION, RECREATION OR COACHING APPROVED BY ADVISOR

PROFICIENCY REQUIREMENT

1. PEPROF 281 OR FIRST AID PROFICIENCY
2. PEPROF 281 OR CARDIOPULMONARY RESUSCITATION PROFICIENCY
3. AUTOMATIC EXTERNAL DEFIBRILLATION PROFICIENCY
4. WRITING PROFICIENCY PER DEPT REQUIREMENT

AN APPROVED MINOR IS REQUIRED FOR THIS MAJOR

COURSE DESCRIPTIONS

All students are required to report to class in attire appropriate to the activity. Students participating in archery, bowling, canoeing, golf, skiing, skin and scuba diving are required to pay a fee or provide equipment.

GENERAL

PEGNRL 103 BEGINNING ARCHERY *GP* **1/2 u**
An activity course designed to teach the student the fundamental techniques of archery for use as a leisure-time activity.

PEGNRL 104 BEGINNING BADMINTON *GP* **1/2 u**
An activity course designed to teach the student the basic skills, knowledge, strategies, and understandings of badminton.

PEGNRL 106 BEGINNING AEROBIC EXERCISE AND DANCE *GP* 1/2 u

An activity course that utilizes aerobic activities for exercise and the development of total fitness.

PEGNRL 108 BEGINNING BOWLING *GP* 1/2 u

An activity course designed to develop or improve the fundamental skills of bowling so that bowling can be utilized now, and later in life, as a recreational activity.

PEGNRL 109 INTERMEDIATE BOWLING *GP* 1/2 u

A course designed to develop the bowler on the intermediate skill level through intermediate and advanced techniques.

PEGNRL 113 INTERMEDIATE AEROBICS EXERCISE AND DANCE *GP* 1/2 u

An activity course that gives the students an opportunity to develop and utilize intermediate techniques and skills in aerobic exercise and dance activities to develop total fitness for their bodies.

PEGNRL 120 BEGINNING GOLF *GP* 1/2 u

To learn the basic skills, rules, and etiquette of golf for use as a leisure-time activity.

PEGNRL 121 INTERMEDIATE GOLF *GP* 1/2 u

An activity course designed to give the student the opportunity to develop and utilize intermediate skills in golf. Students will practice their skills in an actual nine-hole course setting.

PEGNRL 135 BICYCLING *GP* 1 u

This bicycling course is designed for both the beginner to the intermediate rider. A variety of topics will be included: safety, proper size and riding technique, equipment, repairs & amintenance, basic physiological benefits, cycle touring and route development. Trips will be on low traveled roads and bike paths. Bikes and helmets are available.

PEGNRL 141 BEGINNING YOGA *GP* 1/2 u

An activity course which introduces the techniques of performing basic asanas (exercises) and purposeful breathing. Extra emphasis is given to toning the body, using deep muscle isometrics, and concentration in relaxation and better mental attitudes.

PEGNRL 142 INTERMEDIATE YOGA *GP* 1/2 u

An activity course designed which expands on the techniques of performing intermediate asanas and new methods for breathing, massage, and imagery. Special emphasis is given to limbering the body while using deep muscle isometrics, imagery in everyday life, stress reduction, and nutrition designed to improve lifelong health.

PEGNRL 143 BEGINNING FOLK DANCE *GP* 1/2 u

An activity course designed to introduce the basic dance steps, dance styles, and efficient rhythmic movements indigenous to folk dances from selected countries.

PEGNRL 144 BEGINNING SOCIAL DANCE (Classics) *GP* 1/2 u

An activity course which introduces the techniques of performing social dances such as the fox-trot, waltz, and cha-cha. Special emphasis will be on the techniques of leading, following, footwork and stylization.

PEGNRL 147 BEGINNING SOCIAL DANCE (Latin & Midwestern) *GP* 1/2 u

An activity course which introduces the technique of performing dances such as the rumba, samba, schottische and the polka. Special emphasis will be on the techniques of leading, following, footwork and stylization.

PEGNRL 149 BEGINNING COUNTRY WESTERN DANCE *GP* 2 u

This course is an introduction to contemporary Country Western dance, with selections drawn from an array of continuously emerging line and partner dances, as well as the standard couple dances. Some standard CW couple dances include, but are not limited to Waltz, Polka, Two Step, Triple Two Step, Double Two Step, Progressive Two Step, and Pony.

PEGNRL 150 BEGINNING SWIMMING (ARC III-IV) *GP* 1/2 u

An activity class designed to help the student develop proficiency in the front crawl, back crawl, elementary backstroke, and treading water. The breaststroke and sidestroke are introduced.

Prereq: Demonstrate all completion requirements in American Red Cross Level II course.

PEGNRL 151 INTERMEDIATE SWIMMING (ARC V-VI) *GP* 1/2 u

An activity course designed to polish the students front crawl and back crawl, as well as develop proficiency in the breaststroke and sidestroke. The butterfly, approach stroke, turns, and surface dives are introduced.

Prereq: ARC Level IV or its equivalent.

PEGNRL 158 BEGINNING SKIN AND SCUBA DIVING *GP* 1 u

An activity course emphasizing basic skin and scuba diving knowledge, skills, safety precautions, and recreational benefits through 22 hours of classroom and practical work. Successful completion of the course qualifies students for check-out dives and final scuba diver certification. The course is taught under the auspices of the Professional Association of Diving Instructors (PADI).

PEGNRL 159 BEGINNING CANOEING *GP* 1 u

An activity course designed to develop techniques and safety skills necessary for river and lake canoeing. Students will be responsible for the cost of transportation.

PEGNRL 160 BEGINNING TENNIS *GP* 1/2 u

An activity course instructing students in the basic fundamentals of tennis. The course consists of learning and practicing six basic strokes. An attempt is made to develop an appreciation and love for the game so the student will participate in the activity after college.

PEGNRL 167 BEGINNING WEIGHT TRAINING *GP* 1/2 u

A course designed to develop a basic understanding of the use of weights as fundamental techniques and skills and to help the individual set up and understand a good program of training.

PEGNRL 170 BEGINNING SELF DEFENSE *GP* 1/2 u

An activity course designed to increase personal fitness, to develop skills in the defense of one's self, and to develop skills to identify crime situations and how to handle them.

PEGNRL 175 BEGINNING TAE KWON DO: KARATE *GP* 1/2 u

An activity course designed to teach the fundamental physical and mental skills of Tae Kwon Do, a Korean style of karate. The course will cover basic blocks, kicks, strikes, and forms, as well as proper breathing techniques and the theory of power. Emphasis will be placed on how karate can be used for self-defense.

PEGNRL 176 INTERMEDIATE TAE KWON DO: KARATE *GP* 1/2 u

An activity course designed to teach the intermediate physical and mental skills of Tae Kwon Do, a Korean martial art. The course will review skills learned in Beginning Tae Kwon Do. Emphasis will be placed on forms and self-defense techniques.

Coreq: PEGNRL 175

- PEGNRL 177 INTRODUCTION TO MARTIAL ARTS WEAPONS** GP 1/2 u
A course designed to teach beginning martial arts weapon skills. Students will discuss various weapons used in the martial arts and will learn basic skills and techniques in the bo staff and escrima sticks.
Prereq: PEGNRL 175 or consent of instructor
- PEGNRL 178 ADVANCED TAE KWON DO** GP 1 u
The course is designed to enhance skills learned in the beginning and intermediate classes along with developing more advanced skills. Students will discuss and practice various advanced techniques, skills, strategies and philosophies in martial arts, along with a constant focus on sound structural basics.
Prereq: PEGNRL 176 or consent of instructor
- PEGNRL 179 MARTIAL ARTS SPARRING** GP 1/2 u
Course focuses on techniques, strategies, and skills to improve self-defense and martial arts competition.
Pereq: PEGNRL 175 and (PEGNRL 176 or consent of instructor)
- PEGNRL 180 OPEN WATER SCUBA "CHECK-OUT DIVES"** GP 1 u
An activity course which reviews basic diving and give the student five open water diving experiences. Students will be asked to show skills and knowledge gained in pool and lecture portion of Beginning Skin and Scuba Diving.
Prereq: PEGNRL 158 or consent of instructor
- PEGNRL 183 EXERCISE WALKING** GP 1/2 u
An activity class to teach students a variety of walking styles and training routines. Students develop a program of exercise walking which best fits their lifestyle and physical fitness needs.
- PEGNRL 187 MILITARY CONDITIONING I** GP 1 u
An activity course which is an introductory study for men and women of military calisthenics designed to develop both individual fitness and leadership skills essential to the management of an effective organizational physical fitness program.
- PEGNRL 190 SWIM FOR FITNESS** GP 1/2 u
An activity course helping students utilize their swimming skills to develop and maintain fitness; distance, fartlek, interval techniques, and dry land exercises are taught. Out-of-class activity is recommended.
- PEGNRL 192 PERSONAL HEALTH AND FITNESS FOR LIFE** GP 1 u
A course which develops students understanding of the importance of a healthy lifestyle, while experiencing the choices available. Students will develop a basic understanding of creating and/or assessing healthy and safe exercise program(s) relative to their goals and needs.
- PEGNRL 193 INTERCOLLEGIATE ATHLETIC PARTICIPATION** GP 1 u
Intercollegiate athletics participation is open to all students who are selected to participate on an intercollegiate athletic team at the University of Wisconsin-Whitewater. The student-athlete must participate in the physical activity and lectures pertaining to the preparation of a varsity athletic team for the entire season to receive credit for the class.
S/NC grade basis only. Repeatable.
Prereq: Students must take this course during the term that their sport season ends. The student-athlete must be eligible to participate in athletics practice as defined by the Wisconsin Intercollegiate Athletic Conference.
- PEGNRL 490 WORKSHOP** 1/2 - 3 u
Repeatable up to 3 units.
- PEGNRL 497 EXCHANGE STUDY** Repeatable .5-12 u
- PEGNRL 498 INDEPENDENT STUDY** Repeatable .5-3 u
- PROFESSIONAL PHYSICAL EDUCATION**
- PEPROF 165 INTRODUCTION TO PHYSICAL EDUCATION AND MECHANICAL PRINCIPLES** 2 u
A required introductory course for Physical Education majors and minors designed to develop an understanding of philosophical concepts and mechanical principles as applied to physical education and human movement.
- PEPROF 171 FUNDAMENTALS OF FLAG FOOTBALL AND TEAM HANDBALL** 1 u
A course designed to teach the physical education major/minor the basic skills, knowledge, strategies, and mechanical principles relative to flag football and team handball.
Prereq: Physical Education majors and/or Recreation minors.
- PEPROF 172 FUNDAMENTALS OF BASKETBALL** 1 u
Designed to teach the physical education major/minor the basic skills, knowledge, strategies, and mechanical principles relative to basketball.
Prereq: Physical Education majors and/or Recreation minors.
- PEPROF 173 FUNDAMENTALS OF TUMBLING** 1 u
An activity-centered course designed to provide the physical education major/minor with basic tumbling skills as well as an understanding of the mechanics of movement.
Prereq: Physical Education majors and/or Recreation minors.
- PEPROF 174 FUNDAMENTALS OF VOLLEYBALL** 1 u
Designed to teach physical education majors/minors the basic skills, knowledge, strategies and mechanical principles relative to volleyball.
Prereq: Physical Education majors and/or Recreation minors.
- PEPROF 175 FUNDAMENTALS OF BOWLING AND BADMINTON** 1 u
Designed to teach the physical education major/minor the basic skills, knowledge, strategies and mechanical principles relative to bowling and badminton.
Prereq: Physical Education majors and/or Recreation minors.
- PEPROF 176 FUNDAMENTALS OF ARCHERY AND GOLF** 1 u
Designed to teach the physical education major/minor the basic skills, knowledge, strategies and mechanical principles relative to golf and archery.
Prereq: Physical Education majors and/or Recreation minors.
- PEPROF 177 FUNDAMENTALS OF TRACK AND FIELD** 1 u
Designed to teach the physical education major/minor the basic skills, knowledge, strategies and mechanical principles relative to track and field.
Prereq: Physical Education majors and/or Recreation minors.
- PEPROF 178 FUNDAMENTALS OF SOCCER AND SPEEDBALL** 1 u
A course designed to teach the physical education major/minor the basic skills, knowledge, strategies and mechanical principles relative to soccer and speedball.
Prereq: Physical Education majors and/or Recreation minors.
- PEPROF 200 FUNDAMENTALS OF RHYTHMS** 2 u
A course designed to teach movement patterns that will be used in the execution of basic dance steps and dances.
Prereq: Physical Education majors and/or Recreation minors.

PEPROF 209 INVESTIGATING COMMUNITY PROFESSIONS IN PHYSICAL EDUCATION 1 u

This course prepare students majoring in Physical Education, who are not pursuing a teaching license, for the required Field Study course. This course provides resources and instruction for designing a plan for professional development and field study placement. Students will visit potential field study sites, interview professionals and develop a resume. Satisfactory/No Credit grade basis only.

PEPROF 210 FUNDAMENTALS OF SOFTBALL 1 u

Designed to teach the physical education major/minor the basic skills, knowledge, strategies and mechanical principles relative to softball. Prereq: Physical Education majors and/or Recreation minors.

PEPROF 212 FUNDAMENTALS OF APPARATUS 1 u

An activity course designed to teach the physical education major/minor the skills necessary for performance on apparatus and an understanding of the mechanical principles involved.

Prereq: PREPROF 175 and Physical Education Licensure major or Recreation minor.

PEPROF 213 FUNDAMENTALS OF TENNIS 1 u

Designed to teach the physical education major/minor the basic skills, knowledge, strategies and mechanical principles relative to tennis.

Prereq: Physical Education majors and/or Recreation minors.

PEPROF 215 FUNDAMENTALS OF WEIGHT TRAINING AND PHYSICAL FITNESS 1 u

A course designed to develop a general understanding of physical fitness programs and the use of weights as a means of developing strength and physical fitness. The course involves surveying weight training and fitness programs and learning when and where each is used.

Prereq: Physical Education majors and/or Recreation minors.

PEPROF 240 THEORY OF TEAM AND INDIVIDUAL ACTIVITIES 3 u

A course that bridges the gap between participation in and the teaching of team and individual activities.

Prereq: Completion of Core Fundamentals 8 credits (PEPROF 165, 173, 177, 200, 212 and 215) and 1 credit of Individual Sports PEPROF series and 1 credit of Team Sports PEPROF series.

PEPROF 251 WATER SAFETY INSTRUCTOR GP 3 u

This course leads to American Red Cross certification as a Water Safety Instructor. It prepares Instructor candidates to conduct 13 different swimming and water safety courses.

PEPROF 271 STRUCTURE AND FUNCTION OF THE HUMAN BODY 4 u

Study of the basic structure and function of the human body. Emphasis will be placed on the interrelationships between the systems of the body and their application to human movement.

Prereq: General Studies Lab Science or cons instr.

PEPROF 281 FIRST AID AND C.P.R. 2 u

A study of the human body in relation to accidents and emergency care. A study of the methods of, and the importance of, immediate care of a person who has been injured or has been suddenly taken ill. It includes self-help and home care if medical assistance is not available or is delayed. It includes techniques of cardio-pulmonary resuscitation.

PEPROF 291 LIFEGUARDING GP 3 u

This course leads to a three-year certification as an American Red Cross Lifeguard, a Waterfront Lifeguard and a Head Lifeguard as well as certification in First Aid and Cardiopulmonary Resuscitation for the Professional Rescuer.

PEPROF 314/514 TECHNIQUES OF TEACHING DANCE 3 u

A course designed to emphasize techniques of teaching dance and the organization of rhythms and dance programs for the elementary and secondary levels.

Prereq: PEPROF 200.

PEPROF 324/524 TECHNIQUES OF TEACHING GYMNASTICS 3 u

A course for physical education majors and minors designed to develop an understanding of progressions in and mechanical skill analysis of tumbling, apparatus, and floor exercise activities to be used in the teaching of gymnastics. It includes hands on teaching experiences.

Prereq: PEPROF 173, PEPROF 212 or equiv.

PEPROF 325/525 PHYSICAL EDUCATION FOR THE KINDERGARTEN-PRIMARY (K-3) CLASSROOM TEACHER 2 u

Required of students in elementary education who intend to teach children in the kindergarten through third grade levels. Emphasis is placed upon the preparation of the classroom teacher to meet the developmental needs of children in grades K-3 through the medium of motor activities.

Prereq: EDFOUND 222.

PEPROF 326/526 PHYSICAL EDUCATION FOR THE ELEMENTARY 4-8 CLASSROOM TEACHER 2 u

Required of students enrolled in the elementary education curriculum. Specific emphasis is placed upon preparing the classroom teacher to meet the needs of children in grades 4-8 in the area of physical education.

Prereq: EDFOUND 222.

PEPROF 327/527 MOTOR PROGRAMMING FOR EARLY CHILDHOOD 2 u

This course is designed for those who plan to work with children in any type of pre-school program. Emphasis will be placed on providing ideas for developmental motor activities that will aid children with their 1) physical coordination, 2) emotional reactions to various experiences, 3) social interactions and, 4) mental development.

Prereq: Jr st or cons instr.

PEPROF 330 TECHNIQUES OF TEACHING MOVEMENT ACTIVITIES IN ELEMENTARY SCHOOL 3 u

A course which combines the theory of curriculum development with the planning and conducting of lessons suitable for both the K-3 grades and the upper elementary grades. Emphasis is on the planning for lessons suitable for the K-3 child including basic manipulative, non-manipulative and locomotor skills, activities of simple organization and lead-up activities in progression.

Prereq: Admission to Professional Education and Physical Education K-12 Licensure majors and EDFOUND 222 and EDFOUND 212 or EDFOUND 481 and PEPROF 240. Coreq: PEPROF 340, PEPROF 380 and PEPROF 492.

PEPROF 340 TEAM AND INDIVIDUAL SPORTS 3 u

An integration of organizational procedures, lesson planning, program planning progression and teaching techniques relating to team and individual sports.

Prereq: Admission to Professional Education and EDFOUND 222 and EDFOUND 212 or EDFOUND 481 and PEPROF 240. Coreq: PEPROF 492 and PEPROF 330 and PEPROF 380.

PEPROF 371/571 KINESIOLOGY 3 u

The study of mechanical principles which are essential to the analysis of sport techniques as well as the performance of motor skills. The course includes a review of muscle-skeletal anatomy and the thorough study of human movement.

Prereq: PEPROF 271.

PEPROF 380/580 PERCEPTUAL MOTOR ACTIVITIES FOR YOUNG CHILDREN 3 u

A study of motor maturation, developmental variances affecting motor efficiency, gross motor assessment instruments, and prescriptive techniques involving perceptual motor activities.

Prereq: Admission to Professional Education and Physical Education K-12 Licensure majors and EDFOUND 222 and EDFOUND 212 or EDFOUND 481 and PEPROF 240. Coreq: PEPROF 330, PEPROF 340 and PEPROF 492.

PEPROF 400/600 METHODS OF TEACHING PHYSICAL EDUCATION 3 u

This course focuses on the teaching and learning process including selection of content, methods of presentation, class management, supervision, community influences, curriculum planning, professional responsibilities and establishing an environment for learning which includes conflict resolution.

Prereq: Admission to Professional Education and Physical Education K-12 Licensure majors and EDFOUND 222 and EDFOUND 212 or EDFOUND 481 and PEPROF 240.

PEPROF 410 STUDENT TEACHING SEMINAR-PHYSICAL EDUCATION 2 u

Restricted to students currently enrolled in Directed Teaching.

PEPROF 415/615 HEALTH APPRAISAL AND EXERCISE TESTING 3 u

Theoretical considerations and practical applications of health appraisal and exercise testing. Includes the use of written health appraisal instruments, tests of muscular strength, endurance and flexibility, tests of aerobic capacity, pulmonary function testing, electrocardiography and graded exercise testing. Applications for healthy populations, medical populations and special populations.

PEPROF 416/616 EXERCISE PRESCRIPTION AND LEADERSHIP 3 u

Theoretical considerations and practical applications of exercise prescription and leadership. Includes risk stratification, prescription techniques, program progression, exercise leadership, health counseling and program administration. Applications for healthy populations, medical populations and special populations.

PEPROF 471/671 PHYSIOLOGY OF EXERCISE 3 u

A comprehensive study of physiological changes which occur during exercise and the adaptations which occur during exercise training. The student receives practical experience in the organization, interpretation and reporting of laboratory experiences relative to class discussion. A study of physiological adaptations of the human body during work and play while under stress. A study of nutritional and environmental aspects of exercise and the effect of conditioning on the body.

Prereq: PEPROF 271.

PEPROF 472/672 ADVANCED PHYSIOLOGY OF EXERCISE 3 u

Theoretical considerations and laboratory experiences in physiology of exercise at an advanced level. Includes exercise biochemistry, biochemical analysis, environmental considerations, exercise histochemistry, cardiorespiratory considerations, animal experimentation, electromyography and aids to performance.

Prereq: PEPROF 471.

PEPROF 475/675 ADAPTED PHYSICAL EDUCATION 3 u

A study of the problems of the atypical child in relation to the physical education activity program. Emphasis is placed on the atypical child in the public school. Areas studied include postural deviations, orthopedic and neurological disabilities, sensory handicaps, the mentally handicapped and the behaviorally deviant child.

PEPROF 478/678 PHYSICAL EDUCATION FOR EXCEPTIONAL CHILDREN 3 u

The course emphasis is on exploring physical education programs for the self-contained classroom teacher and for recreational leaders in institutional settings and day care centers who deal with exceptional children who are handicapped in physical activities.

Prereq: PEPROF 325 or PEPROF 326 or PEPROF 330 or cons instr.

PEPROF 480/680 HEALTH PROMOTION MANAGEMENT 3 u

Theoretical considerations and practical applications of management, operations and programs for health promotion organizations. Begins with the planning, design, financing and construction of health promotion facilities. Includes the hiring and organization of staff members, the development and marketing of special programs and the administration and finance of health promotion organizations.

PEPROF 490/690 WORKSHOP 1/2-6 u

Repeatable for a maximum of 9 units in major/degree.

PEPROF 492 FIELD STUDY 1-12 u

A course designed to increase the student's understanding of a specific area of recreation through involvement in an off-campus internship at a recognized Physical Education agency or business which is suited to the student's area of interest. Repeatable.

Prereq: Junior or Senior status and consent of department chair

PEPROF 493 HEALTH, HUMAN PERFORMANCE & RECREATION INTERNSHIP 6-12 u

The internship is a culminating learning experience for students studying in Health, Physical Education, and Recreation. This experience allows students the opportunity to practice the application of theory and apply the knowledge acquired through academic preparation. The internship is an in-depth supervised work and study experience, preferably at the supervisor or mid-management level, where the student has a degree of responsibility for planning, directing and supervising the work of others. A desired result of this course design is to stimulate good judgement and sound decisions while improving problem solving, communication, human development and relation building skills.

Prereq: PEPROF 209

PEPROF 494/694 SEMINAR 1-3 u

Repeatable. Prereq: Junior or Senior status and cons instr.

PEPROF 496/696 SPECIAL STUDIES Repeatable 1/2-3 u**PEPROF 498 INDEPENDENT STUDY 1-3 u**

Repeatable for a maximum of 3 units in major/degree.

Department approval required. Restricted to students with a minimum 2.75 cumulative GPA.

HEALTH MINOR/EMPHASIS

All three programs offered in health utilize holistic, integrate approaches for the development of effective teaching/facilitation skills, knowledge, and attitudes for disease prevention, health maintenance, and optimal mental/emotional, physical, and spiritual growth.

- HEALTH PROMOTION MINOR: most often serves as a minor for physical education (non-licensure), social work, psychology, and business students who wish to work with lay and/or professional populations. The minor DOES NOT meet requirements for teaching licensure in health education.
- HEALTH EDUCATION MINOR: serves Elementary/Middle School licensure students. Courses that are used to meet health *minor* requirements may not be used to meet *major* course require-

ments.

- **HEALTH EDUCATION CERTIFICATE PROGRAM (ADD-ON LICENSURE PROGRAM):** Serves as the existing structure for students wishing to acquire the Health Education add-on licensure. A health minor is NOT declared for this program. This program does not show up on an AR, however, a student who successfully completes the program will receive a Health Education Certificate from the Department of Health, Physical Education, Coaching and Recreation. This certificate program will be identified on a student's transcripts and will then qualify the student for recommendation to the Wisconsin Department of Instruction for licensure in health education.

HEALTH EDUCATION

MINOR - 22 UNITS

1. HEALTHED 181, HEALTHED 280, HEALTHED 360, AND HEALTHED 445
2. HEALTHED 340 OR HEALTHED 382
3. SELECT 8 OR MORE UNITS FROM:
HEALTHED 181, HEALTHED 340, HEALTHED 341, HEALTHED 362, HEALTHED 382 (ELEMENTARY/MIDDLE MAJORS MAY NOT TAKE 382 AS AN ELECTIVE), HEALTHED 391, HEALTHED 440, HEALTHED 471, HEALTHED 490, HEALTHED 492, HEALTHED 494, HEALTHED 496, HEALTHED 498
4. SELECT 0 OR MORE UNITS FROM:
PEPROF 271, SAFETY 201, SAFETY 255, SOCWORK 301, SOCWORK 302, SOCWORK 303, SOCWORK 341, SOCIOLOGY 410, SPEECH 288

HEALTH PROMOTION

MINOR - 22 UNITS

1. HEALTHED 181 AND HEALTHED 280, HEALTHED 360, HEALTHED 362 AND HEALTHED 470
2. SELECT 6 OR MORE UNITS FROM COURSE
PEPROF 271, PEPFOP 415, PEPFOP 416, HEALTHED 341, HEALTHED 391, HEALTHED 440, HEALTHED 465, HEALTHED 471, HEALTHED 490, HEALTHED 492, HEALTHED 494, HEALTHED 496, HEALTHED 498
3. SELECT 0 OR MORE UNITS FROM COURSES
PSYCH 104, PSYCH 451, SAFETY 201, SAFETY 255, SAFETY 450, SOCWORK 301, SOCWORK 302, SOCWORK 303, SOCWORK 341, SOCIOLOGY 410, SPEECH 288

CERTIFICATE

HEALTH EDUCATION

1. HEALTHED 181, HEALTHED 280, HEALTHED 360, AND HEALTHED 445
2. HEALTHED 382 OR HEALTHED 340
3. SELECT 8 OR MORE UNITS FROM THE COURSES LISTED BELOW:
HEALTHED 340, HEALTHED 341, HEALTHED 362, HEALTHED 382, HEALTHED 391, HEALTHED 440, HEALTHED 471, HEALTHED 490, HEALTHED 492, HEALTHED 494, HEALTHED 496, HEALTHED 498
4. SELECT 0 OR MORE UNITS FROM THE COURSES LISTED BELOW:
PEPROF 271, SAFETY 201, SAFETY 255, SAFETY 450, SOCWORK 301, SOCWORK 302, SOCWORK 303, SOCWORK

341, SOCIOLOGY 410, SPEECH 288

COURSE DESCRIPTIONS

HEALTH EDUCATION

HEALTHED 181 CONTEMPORARY HEALTH 2 u
An investigation of health areas and behaviors as they relate to the college student.

Prereq: PEGNRL 192

HEALTHED 280 INTRODUCTION TO HEALTH EDUCATION AND PROMOTION 2 u

This course is the designated gateway course required for students who choose to minor in health education or health promotion and should be taken within the first 6 units of declaring a health minor or pursuing health licensure requirements. It serves as an introduction to knowledge, research, and application of skills necessary for helping others with health behavior changes, while creating healthier environments in the home, school, workplace, and community.

HEALTHED 340/540 SECONDARY HEALTH EDUCATION 3 u

An introduction to various health belief models and philosophies with particular emphasis on health education content at the secondary level.

HEALTHED 341/541 YOGA/STRESS REDUCTION 3 u

A course designed to help students and professionals learn to effectively handle stress through specific Yoga training and mind/body connections.

Prereq: Junior/Senior Status.

HEALTHED 360/560 HIGH LEVEL WELLNESS 3 u

The course examines characteristics, behaviors, and conditions necessary for the development of optimal health and wellness in all dimension of wellness: physical, mental, emotional, spiritual and environmental. Students are provided opportunities for personal health/wellness enhancement through individualized assessment, research and study.

Prereq: Jr st or cons instr.

HEALTHED 362/562 STRESS MANAGEMENT 3 u

The course explains what stress is, its various causes, and its effects. It helps develop a personal "Stress Profile" which enables the participants to pinpoint the specific sources and manifestations of stress and tension. The course shows how to combine biofeedback, relaxation techniques, exercise, diet, and other skills into an individualized "Stress Management System" that will help individuals feel healthier and cope better with daily pressure.

Prereq: Sophomore/Junior/Senior Status

HEALTHED 370 CONFLICT RESOLUTION/DEALING WITH DIFFERENCES AND VIOLENCE IN K-12 1 u

The course will provide strategies for teaching conflict resolution and dealing with differences and violence in K-12 programs.

HEALTHED 382/582 ELEMENTARY HEALTH EDUCATION 2 u

Teaching and learning experiences in selected content areas of health education. Designed for the elementary teacher.

HEALTHED 391/591 NUTRITION FOR HEALTH 3 u

The course helps students plan, evaluate, and analyze dietary intake based on sound nutritional guidelines, principles, and knowledge for the purpose of health enhancement, improved mental and physical performance, and decreasing risk of disease.

Prereq: Soph st.

HEALTHED 400/600 ADVANCED STRESS MANAGEMENT 3 u

The class emphasis is on 1) facilitating stress management in others, 2) coping with "deep" stress such as trauma and low self-esteem, and 3) alternative avenues for coping such as Tai Chi, yoga, art therapy, and meditation. This course is appropriate for anyone in the helping professions.
Prereq: HEALTHED 362/562 or SOCWORK 303 or consent of instructor.

HEALTHED 445/645 TEACHING HEALTH EDUCATION 3 u

A study of philosophy, trends and teaching-learning strategies. Emphasis will be placed on developing and utilizing models and strategies in health education.
Prereq: HEALTHED 340.

HEALTHED 465/665 HEALTH PROMOTION STRATEGIES 3 u

This course will focus on: 1) the development, implementation and evaluation of worksite health promotion programs, and 2) examination of the relationship of these programs to the organization as a whole and to the benefits for both the employee and employer.
Prereq: Junior or senior standing, or consent of instructor.

HEALTHED 470/670 FACILITATING HEALTH BEHAVIOR 3 u

This course is designed as a capstone experience for non-teaching health minor students who have had at least 12 credits of work in the health minor. This course offers opportunities to gain the skills necessary for helping others with health behavior changes, while creating healthier environments in the home, workplace and community.
Prereq: HEALTHED 360/560 and consent of instructor

HEALTHED 471/671 RESEARCH IN HEALTH AND PHYSICAL ACTIVITY 3 u

The content of this course is from a psychophysiological perspective. Emphasis will be place on research involving the effects of physical activity on psychological states and traits as well as how affect influences performance. Topic will include research design, motivation and adherence, attention, arousal, overtraining, behavior change, personality dynamics, and mental health.
Prereq: PEGNRL 192 and either PSYCH 104 or PSYCH 211

HEALTHED 490/690 WORKSHOP 1-6 u

Repeatable for a maximum of 6 units in major/degree.

HEALTHED 492 FIELD STUDY: HEALTH 1-12 u

Studies designed to increase the student's understanding of specific areas of health through involvement in off-campus experiences such as elementary or secondary schools, health volunteer agencies, or health maintenance organizations under the direction of department instructors. Repeatable.
Prereq: Jr or sr st and cons instr.

HEALTHED 494/694 SEMINAR 1-3 u

Repeatable. Prereq: Jr or sr st and cons instr.

HEALTHED 496/696 SPECIAL STUDIES Repeatable 1-3 u**HEALTHED 497 EXCHANGE STUDY Repeatable 1-12 u****HEALTHED 498 INDEPENDENT STUDY 1-3 u**

Repeatable for a maximum of 3 units in major/degree.
Prereq: department consent. Restricted to students with a Health or Health Education minor and a 2.75 cumulative GPA.

RECREATION/LEISURE STUDIES MINOR/**EMPHASIS**

Recreation and leisure service professions require educational training that is both generalized in the field of recreation, and specialized for unique populations, settings, or tasks. Areas of specialization fall within areas of business, education, sociology, social work, gerontology, psychology, physical education, public administration, communications, geography, theatre, art, music and others, and can be gained through elective course work or major studies. The recreation and leisure studies minor is interdisciplinary and designed to enhance the student's major area of professional preparation while expanding employment opportunities to include recreation and leisure professional opportunities.

RECREATION LEISURE EDUCATION EMPHASIS**MINOR - 22 UNITS**

1. SELECT 5 UNITS FROM COURSES RECREATN 232 AND RECREATN 334
2. SELECT 3 UNITS FROM COURSES RECREATN 382 OR RECREATN 480 OR RECREATN 489
3. SELECT 2-8 UNITS ELECTIVES WITH ADVISEMENT OF RECREATION COORDINATOR
4. SELECT 6 - 12 UNITS FROM COURSE RECREATN 492

RECREATION LEISURE L&S EMPHASIS**MINOR - 22 UNITS**

1. SELECT 5 UNITS FROM COURSES RECREATN 232 AND RECREATN 334
2. RECREATN 382 OR RECREATN 480 OR RECREATN 489
3. SELECT 0 - 6 UNITS FROM COURSE RECREATN 492
4. SELECT 8-14 UNITS ELECTIVES WITH ADVISEMENT OF RECREATION COORDINATOR

COURSE DESCRIPTIONS**RECREATION/LEISURE STUDIES****RECREATN 232 INTRODUCTION TO RECREATION AND LEISURE 2 u**

An introduction to the field of recreation with class lecture and discussion on the historical, philosophical and theoretical aspects of leisure, recreation and play, as well as an overview of the recreation profession and its potential careers.

RECREATN 334/534 RECREATION PROGRAMMING AND LEADERSHIP 3 u

Students learn processes involved in assessing recreation participants' needs, program development, goal setting, program implementation, and evaluation. Leadership theories are studied, and skills are enhanced through group process experiences and in-class activity leadership.
Prereq: Junior standing or Recreation/Leisure Studies Minor or consent of instructor.

RECREATN 360/560 AGING AND LEISURE 3 u

Examines conceptualizations of leisure and aging in the leisure and gerontological literature, examines the benefits of exercise for older persons, and the process of developing an exercise program for older persons as well as examining the benefits of other leisure areas such as the arts, education and outdoor recreation.

RECREATN 382/582 ADVENTURE AND SPORT TOURISM 3 u

The nature of sport and adventure program areas will be examined in

relation to tourism, perhaps the largest segment of the for-profit sector of the recreation profession. This course introduces students to knowledge, skills, and considerations relevant to tourism professionals operating in adventure and sport tourism settings. Participant motivation, global tourist destinations, and management concerns will be considered through readings and case studies.

Prereq: Junior status

RECREATN 391/591 OUTDOOR RECREATION LEADERSHIP 3 u

This course provides the fundamental knowledge, skills, and experience necessary to lead people in outdoor recreational activities. The course includes topics on trip planning, safety procedures, equipment and food logistics, leadership methods and expedition behavior for a variety of outdoor trip activities. The course also includes a 3 day outdoor trip experience.

RECREATN 480/680 LEGAL ASPECTS OF SPORT AND RECREATION ACTIVITIES 3 u

This course will examine the complexities of sport and recreation litigation, primarily focused on educational institutions. Students will use this knowledge to aid their professional growth in the fields of sport and recreation activity. Topics such as risk management, contracts, liability, and policy development will provide a better understanding of the law with respect to challenges encountered by sport and recreation professionals.

Prereq: Junior status or consent of instructor Unreq: COACHING 480/680

RECREATN 489/689 MANAGING RECREATIONAL SPORTS AND PROGRAMS 3 u

A study of recreational management concepts in the areas of personnel management and facility operations, budgetary preparations, marketing concepts, public relation procedures, management policies development, and program services design.

Prereq: Junior standing or enrolled in the recreation minor, or instructor consent

RECREATN 490/690 WORKSHOP IN RECREATION/ LEISURE STUDIES 1-3 u

Repeatable for a maximum of 6 units in major/degree.

RECREATN 492 FIELD STUDY: RECREATION 1-12 u

A course designed to increase the student's understanding of a specific area of recreation through involvement in an off-campus internship at a recognized recreational agency or business which is suited to the student's area of interest.

Repeatable for a maximum of 12 units in major/degree.

Prereq: Jr or sr st and cons dept chp.

RECREATN 494/694 SEMINAR IN RECREATION/ LEISURE STUDIES 1-3 u

Repeatable for a maximum of 6 units in major/degree.

Prereq: Jr or sr st and cons dept chp.

RECREATN 496/696 SPECIAL STUDIES 1-3 u

Repeatable for a maximum 6 units in major/degree.

RECREATN 498 INDEPENDENT STUDY 1-3 u

Repeatable for a maximum 6 units in major/degree.

Prereq: department consent. Restricted to students with a Recreation minor and a 2.75 cumulative GPA.

COACHING

The minor in coaching provides professional preparation for the coaching of interscholastic athletics and sports. The imbalance between trained coaches and the number of coaching positions available makes the minor an attractive addition to many majors.

MINOR/EMPHASES

COACHING EDUCATION EMPHASIS

MINOR - 22 UNITS

1. COACHING 240
2. COACHING 250
3. COACHING 255
4. COACHING 256
5. COACHING 460
6. COACHING 461
7. COACHING 492
8. SELECT 2-4 UNITS FROM COURSES
COACHING 350 THRU COACHING 361
9. SELECT 3-6 UNITS FROM COURSES
COACHING 251, COACHING 252, COACHING 260, COACHING 265, COACHING 464, COACHING 465, COACHING 466, COACHING 470, COACHING 480, COACHING 490, COACHING 496, COACHING 498, COACHING 350-361 OR PEPROF 271, PEPROF 281, PEPROF 371, PEPROF 361, PEPROF 471. THERE IS A LIMIT OF 3 UNITS THAT MAY BE TAKEN IN EACH OF THE FOLLOWING COURSES: COACHING 490, COACHING 496, AND COACHING 498.

UNIQUE REQUIREMENT

1. PEPROF 271 OR BIOLOGY 120 OR BIOLOGY 360, EMPLOYMENT PORTFOLIO, EXIT INTERVIEW

COACHING EMPHASIS FOR BBA/L & S MAJORS

MINOR - 22 UNITS

1. COACHING 240
2. COACHING 250
3. COACHING 255
4. COACHING 256
5. COACHING 460 OR RECREATN 489
6. COACHING 461
7. COACHING 492
8. SELECT 2-4 UNITS FROM COURSES
COACHING 350 THRU 361
9. SELECT 3-6 UNITS FROM COURSES
COACHING 251, COACHING 260, COACHING 265, COACHING 463, COACHING 464, COACHING 465, COACHING 466, COACHING 470, COACHING 480, COACHING 490, COACHING 496, COACHING 498, COACHING 350-361 OR PEPROF 271, PEPROF 281, PEPROF 371, PEPROF 361, PEPROF 471

UNIQUE REQUIREMENT

1. PEPROF 271 OR BIOLOGY 120 OR BIOLOGY 360, EMPLOYMENT PORTFOLIO, EXIT INTERVIEW

COURSE DESCRIPTIONS

COACHING

**COACHING 100 WIAA COACHING CERTIFICATION: 3 u
COACHING PRINCIPLES/SPORT FIRST AID**

The course serves as the Wisconsin Interscholastic Athletic Association (WIAA) certified coaching course for students who are not seeking licensure

in education. The course will develop a basic knowledge of sport first aid and coaching principles. This course does not count toward the coaching minor.

COACHING 240 INTRODUCTION TO COACHING 2 u

A course designed to introduce undergraduate students to the profession of coaching. The nature of the profession, qualifications, skills and issues relative to the profession will be explored.

COACHING 250 APPLICATION OF MECHANICAL PRINCIPLES TO COACHING 2 u

This course is designed as an introductory course to the fundamentals of movement.

Prereq: PEPROF 271 or BIOLOGY 120 or BIOLOGY 360

COACHING 252 SPORTS PEDAGOGY: TEACHING AND COACHING SPORTS SKILLS 3 u

This course introduces the student to motor learning/motor development, teaching styles, understanding and writing of teaching/coaching objectives, and the planning, teaching and organization of sports skills. It will also involve the student in a teaching practicum.

COACHING 255 CONDITIONING FOR INTERSCHOLASTIC SPORTS 2 u

This course is designed to give the student the knowledge needed to develop an agility, endurance, and strength program for all sports.

Prereq: COACHING 250

COACHING 256 PSYCHO-SOCIAL ASPECTS OF COACHING 2 u

A study of the social and psychological factors that impact athletic performance. Theoretical and applied perspectives will be explored from a coaching framework.

COACHING 260 HISTORY AND SOCIAL ASPECTS OF ATHLETICS 3 u

This course is designed to deal with the historical and sociological aspects of athletics as they pertain to every day living. Emphasis will be directed toward the social aspects and historical implications. Areas to be covered include those of socio-economic relationships, building athletics into an American heritage, industrial revolution, athletics and the school, and the future of athletics in our society.

COACHING 265 COACHING OF COMMUNITY SPONSORED SPORTS 3 u

Designed for men and women who wish to take part in the coaching of community sponsored sports. The role of community sponsored sports in the total picture of a young person's development, the organization and administration, and the actual coaching of community sponsored sports will be covered.

COACHING 350 COACHING FOOTBALL 2 u

An in-depth study of the game of football, and the coaching techniques that lead to a successful program. Special emphasis in the areas of building offenses and defenses, with a good hard look at related areas.

COACHING 351 COACHING OF BASKETBALL 2 u

This course is designed for those men and women who wish to become basketball coaches. The administration, organization, and management principles, as well as rules, techniques of individual and team play, strategy, psychology, and problems of coaching are pursued through lectures, discussions, practices, and demonstrations.

COACHING 352 COACHING OF BASEBALL 2 u

Primarily designed for men and women who wish to become baseball/softball coaches. The organization, psychology, coaching techniques, team selection techniques, training program and fundamentals skills will be covered by lecture and demonstrations.

COACHING 353 COACHING OF TRACK AND FIELD/ 2 u CROSS COUNTRY

Primarily designed for men and women who wish to become track and field /cross country coaches. The organization, motivation, coaching techniques and training programs for each event /sport will be covered by lecture and demonstration.

COACHING 354 COACHING OF SWIMMING 2 u

To provide candidates with the skills and knowledge necessary to coach a swimming team. All aspects of coaching philosophy, techniques, training, stroke analysis, organization, and management will be covered by lecture, demonstration, observation, and participation.

Prereq: Ability to swim at the intermediate level.

COACHING 356 COACHING OF WRESTLING 2 u

This course is designed to provide the knowledge and skills essential to the coaching of competitive wrestling.

COACHING 359 COACHING OF VOLLEYBALL 2 u

Primarily designed for men and women who seek advanced volleyball knowledge or wish to coach volleyball. Includes skill analysis, offensive and defensive strategy, plays, sociology and psychology of sport, organization, training, scouting and rules.

COACHING 360 COACHING OF SOCCER 2 u

This course is designed to provide the knowledge and skills essential to the coaching of competitive soccer.

Prereq: Cons instr or evidence of basic skills in soccer.

COACHING 361 COACHING OF SOFTBALL 2 u

This course will focus on building an understanding of the components necessary for successful coaching in the game of softball. Included will be the administration, development, implementation and evaluation of a softball program. Priority will be placed on actual coaching techniques and strategies. The course will examine the relationship of the coach to the athlete, the team and the community emphasizing the potential benefits to all those involved.

COACHING 460/660 ORGANIZATION AND ADMINISTRATION OF INTERSCHOLASTIC ATHLETICS 2 u

This course is designed for those individuals who wish to become athletic coaches or administrators. The organization and administration of an athletic program will be covered.

Prereq: COACHING 240, COACHING 250, COACHING 255, COACHING 256, COACHING 461/661, two units in Coaching of courses: COACHING 350 thru COACHING 361

COACHING 461/661 PREVENTION AND CARE OF ATHLETIC INJURIES 2 u

This course is designed to give the student the knowledge needed to develop agility, endurance, and strength programs for all sports.

Prereq: COACHING 250

COACHING 462 THEORY AND TECHNIQUES OF OFFICIATING 2 u

This course is designed to acquaint the student with the rules and techniques of officiating team, individual and dual sports. The course will also help prepare the student for WIAA certification. Practical experience will be obtained through the University intramural and athletic programs and through city programs.

COACHING 463 CHILDREN AND SPORTS 3 u

Explore the historical perspective and the present controversy surrounding the involvement of children in competitive sport. Future directions for competitive sport for children will be a major focus.

**COACHING 464 MANAGING ATHLETIC PRACTICE 2 u
SESSIONS**

This course is designed for the practitioner (coach) who wants to learn how to maximize the athletic potential of individuals. The course teaches the coach how to determine and rank behaviors that are needed for individuals to be successful in sport. The coach will also learn how to develop systematic reinforcement procedures through the use of drills and other contingencies. Coaches will also become familiar with observational techniques and problem solving strategies in sport.

Prereq: PSYCH 211 or equiv and cons instr.

COACHING 465 ADVANCED ATHLETIC TRAINING 4 u

This course is designed for students seeking professional preparation in the areas of Athletic Training, Physical Therapy, and associated medical and/or allied health fields. This course fulfills the NATA mandate for advanced study in Athletic Training education. This course will deal with the pathophysiology of sports-related injuries, manual muscle testing and joint evaluation techniques, the role of physical fitness assessment, conditioning, and testing protocols, and the indications and contraindications of therapeutic modality use. Also considered will be the nutritional aspects of sports activities, the effects of alcohol/drugs on athletic performance, and injury risks to special athletic groups.

Prereq: PEPROF 271 and COACHING 461.

COACHING 466 ASEP/NFICEP DRUGS AND SPORT 1 u

American Sport Education Program (ASEP) and National Federation Interscholastic Coaches Education Program (NFICA) certified course. The course explores the use and abuse of alcohol, tobacco and drugs within the athletic environment. Educational and prevention programming that is successful in realm of athletics will be examined. Students may attain the ASEP/NFICA Drug and Sport certification.

**COACHING 467 ASEP/NFICEP CITIZENSHIP
THROUGH SPORTS 1 u**

American Sport Education Program (ASEP) and National Federation Interscholastic Coaches Education Program (NFICA) certified course. The course will explore the role of sportsmanship, respect for opponents, ethics and the development of positive role models within the realm of athletics. Students may attain ASEP/NFICA Citizenship through Sports certification.

**COACHING 470 PRACTICUM IN ATHLETIC
TRAINING 1-4 u**

A course designed to give the prospective student trainer actual experience in the training room, working with athletes.

Prereq: COACHING 461, PEPROF 271, PEPROF 281. May be retaken.

**COACHING 480/680 LEGAL ASPECTS OF SPORT
AND RECREATION ACTIVITIES 3 u**

This course will examine the complexities of sport and recreation litigation, primarily focused on educational institutions. Students will use this knowledge to aid their professional growth in the fields of sport and recreation activity. Topics such as risk management, contracts, liability, and policy development will provide a better understanding of the law with respect to challenges encountered by sport and recreation professionals.

Prereq: Junior status or consent of instructor Unreq: RECREATN 480/680

**COACHING 490/690 WORKSHOP IN
INTERCOLLEGIATE OR INTERSCHOLASTIC
ATHLETICS 1-6 u**

Repeatable for a maximum of 6 units in major.

Prereq: Cons of adviser or dept. chp.

COACHING 492 FIELD STUDY IN COACHING 2-3 u

Field study in coaching provides undergraduate students with a supervised capstone experience in coaching. Students will be placed with department

approved university/public/private/community teams/programs to obtain practical experience in the sport(s) of their choice. The site selection will be consistent with the professional objectives selected by the student.

Prereq: departmental approval required.

COACHING 496/696 SPECIAL STUDIES 1-4 u**COACHING 498 INDEPENDENT STUDY IN
INTERCOLLEGIATE OR INTERSCHOLASTIC
ATHLETICS 1-4 u**

Repeatable for a maximum of 4 units in major. Prereq: Cons of advisor or dept. chp.

COURSE DESCRIPTIONS**DIRECTED TEACHING****PEFIELD 411 DIRECTED TEACHING PHYSICAL
EDUCATION-ELEMENTARY SCHOOL 1-12 u**

Prereq: Restricted to students with Admission to Directed Teaching, PEPROF 330/530, PEPROF 340/540, PEPROF 3380/580, PEPROF 400/600, PEPROF 492 S/NC, and successful completion of courses in major.

**PEFIELD 412 DIRECTED TEACHING PHYSICAL
EDUCATION-MIDDLE SCHOOL 1-12 u**

Prereq: Restricted to students with Admission to Directed Teaching, PEPROF 330/530, PEPROF 340/540, PEPROF 3380/580, PEPROF 400/600, PEPROF 492 S/NC, and successful completion of courses in major.

**PEFIELD 414 DIRECTED TEACHING PHYSICAL
EDUCATION-SECONDARY 1-12 u**

Prereq: Restricted to students with Admission to Directed Teaching, PEPROF 330/530, PEPROF 340/540, PEPROF 3380/580, PEPROF 400/600, PEPROF 492 S/NC, and successful completion of courses in major.

**DEPARTMENT OF LEADERSHIP,
MILITARY SCIENCE AND AEROSPACE
STUDIES**

Phone: 262-472-1541

E-Mail: leadmsas@umw.edu

Faculty: ARMY: Brian W. English, William Gilmore, Ricky A. McCant, Michael D. McColgan, Donna L. Williams (Co-Chairperson), AIRFORCE: Thomas A. Garin (Co-Chairperson), Richard J. Hargrave, Nicole M. Schulz

The Leadership, Military Science and Aerospace Studies Department offers an interdisciplinary study of leadership which is available to any student on a non-discriminatory basis and may be taken without incurring a military service obligation. Students may pursue one or both of the two departmental programs (I) LEADERSHIP MINOR, (II) COMMISSION in the US Army, Army Reserve or Army National Guard, or (III) COMMISSION in the US Air Force.

**I. LEADERSHIP AND MILITARY SCIENCE
MINOR**

This interdisciplinary minor is for students desiring instruction, practical experience and credentials in leadership. The courses studied provide students with the specialized leadership knowledge and training required to be a successful supervisor, manager or administrator and is universally applicable across a broad spectrum of professions. The two available options provide

additional specialization for students with interests in either a civilian or military career. The completion of this program provides college students with a valuable minor and valuable credentials which are in high demand by future employers. Students enrolled in a business related major should definitely consider this complementary minor as a valuable credential for entry into their chosen career field.

Academic Eligibility

No specific academic eligibility requirements exist for students who pursue a leadership minor. Students seeking an Army commission must have a minimum of two years remaining in their academic program - undergraduate or graduate.

MINOR - 21 UNITS

1. COMPLETE ONE GROUP OF COURSES FOR EITHER CIVILIAN LEADERSHIP, MILITARY LEADERSHIP-ARMY OR MILITARY LEADERSHIP-AIR FORCE
 - a. LDRSHP 210, LDRSHP 211, LDRSHP 220 AND LDRSHP 221
 - b. LDRSHP 310, LDRSHP 320 AND LDRSHP 420
 - c. LDRSHP 301, LDRSHP 302, LDRSHP 401 AND LDRSHP 402
2. LDRSHP 410 AND PHILSPHY 410
3. SELECT 3 UNITS FROM COURSES (BEHAVIORAL) PHILSPHY 261, PSYCH 211, SOCIOLOGY 140 OR INTRAUNV 246
4. SELECT 3 UNITS FROM COURSES (HISTORICAL) HISTRY 390, HISTRY 392 AND HISTRY 401
5. SELECT 3 - 6 ELECTIVE UNITS FROM COURSES MANGEMNT 310, MANGEMNT 419, MANGEMNT 428, MANGEMNT 486, EDFOUND 212, EDFOUND 483, LDRSHP 101, LDRSHP 102, LDRSHP 110, LDRSHP 111, LDRSHP 120, LDRSHP 121, LDRSHP 122, LDRSHP 123, LDRSHP 201, LDRSHP 202, LDRSHP 240, LDRSHP 311, LDRSHP 321, LDRSHP 330, LDRSHP 411, LDRSHP 420, LDRSHP 421, LDRSHP 440, SPEECH 240, SPEECH 242, SPEECH 247, SPEECH 327, HISTRY 307, PHILSPHY 245, PHILSPHY 281, RELIGST 351, POLISCI 351, POLISCI 421, PSYCH 104, SOCIOLOGY 355 OR SOCIOLOGY 380

UNIQUE MINOR REQUIREMENT - 3 UNITS

1. SELECT 3 UNITS FROM COURSES BSEDCA 353, ENGLISH 370 AND ENGLISH 372 RLS

II. COMMISSION

Army

The academic pursuit of a commission as an officer in the United States Army is accomplished simultaneously as students meet the prerequisites for a degree in the discipline of their choice; either undergraduate or graduate. The Army Reserve Officers' Training Corps (ROTC) offers a progressive leadership education program that combines challenging academic study and practical training experiences in the theories, concepts and principles of leadership. Additional emphasis is also placed on organizational dynamics, resource management and ethical decision making. The completion of this departmental program prepares the college student to receive a commission as a Second Lieutenant in the United States Army, Army Reserve or Army National Guard.

The commission program is generally divided into a two-year Basic Phase (freshman and sophomore) and a two-year Advanced Phase (junior and senior). Alternate means of completing the on-campus Basic Phase are available to students desiring to enter the program at the Advanced Phase level. Students seeking a commission will be provided administrative

assistance and counseling guidance by a faculty adviser from the Department of Leadership, Military Science and Aerospace Studies.

Students must have a minimum of two years remaining in their academic program - undergraduate or graduate - to successfully complete the academic program for a commission. During this period of upper division courses the qualified students will have a contractual commitment between themselves and the United States Army. In exchange for participation in the program, a student will receive \$300-\$350 a month during the school year (up to \$2500 maximum) and approximately \$700 plus paid travel to attend the National Advanced Leadership Course (LDRSHP 440) normally conducted near Seattle, Washington, at Fort Lewis. In all, the student receives about \$3,700 during the two year advanced phase. Application for the Advance Phase should be initiated as early as possible by contacting the Department of Leadership, Military Science and Aerospace Studies, Room 111, Salisbury Hall.

Air Force

Students may also pursue a commission as an officer in the United States Air Force while simultaneously satisfying the academic requirements of their major. The Air Force ROTC program combines its leadership and organizational education with practical experience in personnel and resource management. This marriage of training and application provides a challenging environment to prepare future officers with the skills they will need to succeed on Active Duty or, on occasion, in the Reserves or Air National Guard.

Participants in Air Force ROTC can potentially complete the program in as little as one year. Though no flight training is offered during ROTC, elements of their ROTC training will contribute directly to their competitiveness for selection as a pilot or navigator. Similarly, for those not interested in flying, their ROTC participation will allow them significant influence over their future options as an officer. All participants will attend a summer Field Training camp, typically between their Sophomore and Junior years. In addition, ROTC cadets can compete for a wide range of summer orientation programs, including parachute or glider training, "shadow" programs at an actual Air Force installation, field trips, duty as an assistant instructor during a Field Training camp, etc.

During the final two years of the program participants will receive a minimum of \$250 a month during the school year. In addition, up to \$3,500 in financial assistance for tuition, books and fees may be provided based on academic and ROTC performance. Travel pays and Field Training camps pay are in addition to these amounts. For more information and to apply for Air Force ROTC membership, individuals should stop by the Air Force offices in the Department of Leadership, Military Science and Aerospace Studies.

SCHOLARSHIPS

The US Army ROTC scholarship student leads essentially the same life as other college students. They may pursue the academic degree of their choice and they carry a normal academic course load. However, unlike the normal college student, the Army ROTC scholarship student receives tuition, laboratory fees, on-campus educational fees, and a flat rate of \$225 a term from which they may purchase textbooks, classroom supplies and equipment. Army ROTC scholarship winners also receive a tax-free subsistence allowance of \$200 for freshmen; \$250 for sophomores; \$300 for juniors, and \$350 for seniors a month for 10 months for each year that the scholarship is in effect. Scholarships at UW-Whitewater are worth approximately \$3,500 a year and they are available for 2, 3, 3 1/2 and 4 year periods to both men and women. Scholarship recipients are required to enroll in the ROTC Program in order to receive financial benefits. Scholarship applications are available at Room 111, Salisbury Hall.

Similarly, the Air Force offers a series of scholarship incentives to participate in their commissioning program. Though some are aimed at technical fields,

others address under-represented ethnic or racial groups in the Air Force, and others reinforce and recognize outstanding progress/participation in the program. Normal scholarships will cover the cost of tuition, books and certain fees up to \$7,500 per term. Incentive scholarships are \$1,750 per term (\$1,000 for tuition, \$250 for books/fees). In addition, scholarship winners and contract members in the last two years of training receive a payment of \$150 per month. For example, a cadet who receives an incentive scholarship for the last two years, coupled with the monthly allowance, would receive approximately \$3,850 dollars in financial assistance per year.

NATIONAL GUARD/ARMY RESERVE PROGRAM

Qualified enlisted personnel currently serving in the US Army National Guard or US Army Reserve are permitted to simultaneously participate in the Advanced Course ROTC Officer Training program while enrolled as a full time student. Students participating in this program gain practical leadership experience while serving as a Cadet Officer Trainee with either the Army Reserve or National Guard. Both programs offer many financial benefits.

Though National Guard and Reserve members may participate in Air Force ROTC, prior to entry into their last two years of training they will be required to get a "Conditional Release" from them. For details on any ROTC program and eligibility requirements contact a representative in Salisbury Hall, Room 111.

COURSE DESCRIPTIONS

LDRSHP 101 THE FOUNDATIONS OF THE UNITED STATES AIR FORCE I 1 u

Establishes introductory framework for understanding USAF organizational structure, core officership values, customs and courtesies, chain of command, rudiments of career benefits, and group leadership.

LDRSHP 102 THE FOUNDATIONS OF THE UNITED STATES AIR FORCE II 1 u

Continues building on framework for understanding USAF organizational structure, officership values, communicative skills, customs and courtesies, and Air Force missions.

Prereq: LDRSHP 101 and LDRSHP 201 (waivers given by dept. chairman on case-by-case basis).

LDRSHP 110 INTRODUCTION TO MILITARY SCIENCE 2 u

An introductory study of leadership with emphasis on the role, development, authority, and professional knowledge required of an Army officer. The theoretical study is enhanced with practical leadership experience through the use of the military model and examining leadership application to the civilian management process. Classroom instruction includes hands on reinforcement of basic military skills.

Prereq: Restricted to Freshmen, Sophomore, Junior

LDRSHP 111 LEADERSHIP LABORATORY 1 u

Students apply basic concepts and principles of leadership in actual situations complementing instruction learned in LDRSHP 110. Emphasis is on understanding group dynamics and increasing student expertise in communication and motivational skills. In addition, basic military skills are learned and practiced in this two-hour lab once per week.

LDRSHP 120 INTRODUCTION TO LEADERSHIP 2 u

An introductory study of leadership with emphasis on communications, management, authority and responsibility. The theoretical study is enhanced with practical leadership experience through the use of the military model and examining leadership applications to the civilian management process.

Prereq: Restricted to Freshmen, Sophomore, Junior

LDRSHP 121 LEADERSHIP LABORATORY 1 u

Students apply basic concepts and principles of leadership in actual situations complementing instruction learned in LDRSHP 120. Emphasis is on understanding group dynamics and increasing student expertise in communication and motivational skills. In addition, basic military skills are learned and practiced in this two-hour lab once per week.

LDRSHP 201 THE EVOLUTION OF US AIR AND SPACE POWER I 1 u

Establishes framework for understanding USAF history and development of air power; focuses on evolution of air power concepts and doctrine, and the role of technology in growth of airpower. Also, applies knowledge of both written and communicative skills.

Prereq: LDRSHP 101 and LDRSHP 102 (waiverable by dept. chairman with commitment to six (6) week field training encampment)

LDRSHP 202 THE EVOLUTION OF US AIR AND SPACE POWER II 1 u

Continues to build framework for understanding USAF organizational structure, core officership values, customs and courtesies, chain of command, and group leadership skills. Builds basic understanding of USAF communicative processes, both oral and written. Macro examination of aerospace doctrine, USAF mission, characteristics of offensive and defensive airpower as related to their historic application.

Prereq: LDRSHP 101 (waiverable).

LDRSHP 210 BASIC LEADERSHIP I 2 u

Students will develop abilities to analyze, evaluate and solve leadership problems. Emphasis is on the group dynamics associated with communication and motivational skills. Different leadership models and styles will be examined and discussed for practical application in both civilian and military careers.

LDRSHP 211 LEADERSHIP LABORATORY 1 u

Students apply basic concepts and principles of leadership in actual situations complementing instruction learned in LDRSHP 210. Emphasis is on understanding group dynamics and increasing student expertise in communicational and motivational skills. In addition, basic military skills are learned and practiced in this two-hour lab once per week.

LDRSHP 220 BASIC LEADERSHIP II 2 u

Continues the study of organizational leadership and the development of leadership skills. Emphasis is on examination of contemporary civilian and military leadership styles and methods, group dynamics, staff functions, management styles and techniques, and the development of interpersonal communicative skills.

Prereq: Restricted to Freshmen, Sophomore, Junior

LDRSHP 221 LEADERSHIP LABORATORY 1 u

Students apply basic concepts and principles of leadership in actual situations complementing instruction learned in LDRSHP 220. Emphasis is on understanding group dynamics and increasing student expertise in communicational and motivational skills. In addition, basic military skills are learned and practiced in this two-hour lab once per week.

LDRSHP 224 MILITARY CONDITIONING II 1 u

An introductory study for men and women, of military calisthenics and conditioning designed to develop both individual fitness and the leadership skills essential to the management of an effective physical fitness program. Repeatable.

Prereq: PEGNRL 187.

LDRSHP 240 LEADERSHIP CAMP 3 u

A five week summer practicum, conducted at an Army installation. Provides an opportunity for students to familiarize themselves with the military profession without any service obligation. Military and leadership skills are developed during this challenging experience which qualifies students for basic training and possible entry into the ROTC commissioning

program. Students will receive travel, meals, lodging and will be paid while in attendance.

Prereq: cons dept chp.

LDRSHP 301 LEADERSHIP STUDIES I 3 u

Focuses on leadership and management fundamentals, leadership ethics and decision making. Introduces unique Air Force perspectives on quality management. Increases emphasis on communicative, group leadership, and counseling skills.

Prereq: Satisfactory completion of the General Military Course (GMC) or GMC-waiver which was contingent on attendance of a six (6) week field training encampment. The POC is not open to the general student population.

LDRSHP 302 LEADERSHIP STUDIES II 3 u

Continues focus on leadership and management fundamentals, leadership ethics and decision making. Elaborates on unique Air Force perspectives on quality management. Increases emphasis on communicative, group leadership, and counseling skills.

Prereq: Satisfactory completion of the General Military Course (GMC) or GMC-waiver which was contingent on attendance of a six (6) week field training encampment, and LDRSHP 301.

LDRSHP 310 ADVANCED LEADERSHIP 3 u

A study of leadership and management using the military model. Examines leadership and management theories and their effect on group dynamics. Emphasis on management, professional ethics, customs, courtesies, training techniques and the practical application of the principles of leadership doctrine.

Prereq: LDRSHP 220 or cons instr.

LDRSHP 311 LEADERSHIP LABORATORY 1 u

Advanced leadership concepts and skills are applied in actual situations commencing at an intermediate level and progressing through higher management positions. Increased emphasis on mentorship, group dynamics and management functions complements the instruction presented in LDRSHP 310. Meets two hours once per week.

LDRSHP 320 ADVANCED LEADERSHIP 3 u

A study of tactical military leadership and management principles. Discussion and practical application of military principles and small units tactics. Emphasis on problem analysis, decision making and leadership. Provides the opportunity to develop individual potential and demonstrate leadership capability. Prepares the student to successfully negotiate LDRSHP 440.

Prereq: LDRSHP 310 or cons instr.

LDRSHP 321 LEADERSHIP LABORATORY 1 u

Advanced leadership concepts and skills are applied in actual situations commencing at an intermediate level and progressing through higher management positions. Increased emphasis on mentorship, group dynamics and management functions complements the instruction presented in LDRSHP 320. Meets two hours once per week.

LDRSHP 330 LAND NAVIGATION 1 u

A study of the principles required to navigate using topographic maps. Emphasis is on developing student familiarity with geography, topography, and the use of land navigation instruments. The use of aerial photograph interpretation and concepts of map development will be examined. Classroom instruction is complemented with practical application field trips.

Prereq: Cons instr.

HISTRY 390 AMERICAN MILITARY HISTORY 3 u

See History.

HISTRY 392 HISTORY OF NATIONAL STRATEGY AND SECURITY POLICY DEVELOPMENT—1935 TO PRESENT 3 u

See History.

LDRSHP 401 NATIONAL SECURITY AFFAIRS 3 u

Examines the need for national security; analyzes the evolution and formulation of the American defense/national security policy and strategy; examines American concept of civilian control of the military; explores conflict management, alliances and regional security issues; enhances understanding of Air Force major command structure and joint responsibilities; expands focus on the Military as a profession and continues to refine communicative skills.

Prereq: Officer candidates must have successfully completed Field Training, the USAF sponsored and funded summer encampments typically held between the Sophomore and Junior year, or between the Junior and Senior year in exceptional cases. Successful completion of all AF ROTC AS300 coursework.

LDRSHP 402 PREPARATION FOR ACTIVE DUTY 3 u

Continues the examination of the need for national security; analyzes the evolution and formulation of the American defense/national security policy and strategy; examines the Uniform Code of Military Justice (UCMJ) and the military justice system; analyzes the Law of Armed Conflict; expands focus on the Military as a profession and continues to refine communicative skills.

Prereq: Officer candidates must have successfully completed Field Training (the USAF sponsored and funded summer encampments typically held between the Sophomore and Junior year, or between the Junior and Senior year in exceptional cases). Successful completion of the AF ROTC AS300 courses and LDRSHP 301. Cannot be taking a AS300 level AF ROTC course simultaneously.

LDRSHP 410 APPLIED LEADERSHIP 2-3 u

A study using the military model, in the theory and application of leadership excellence; emphasis is on leadership responsibilities for effective and efficient organizational development. Management expertise is reinforced through practical application of leadership doctrine. Leader effectiveness is enhanced through the study of professional obligations, ethics, supervisory skills, methods of evaluation and principles of leadership application.

Prereq: LDRSHP 320 or consent of instructor.

LDRSHP 411 LEADERSHIP LABORATORY 1 u

Advanced leadership concepts and skills are applied in actual situations commencing at an intermediate level and progressing through higher management positions. Increased emphasis on mentorship, group dynamics and management functions complements the instruction presented in LDRSHP 410. Meets two hours once per week.

LDRSHP 420 APPLIED LEADERSHIP 3 u

A continuation of the study using a military model, in the theory and application of leadership excellence. Prepares the student to be an effective leader both in military and in civilian careers. Emphasis is on affecting organizational behavior, exercising professional ethics, personnel management and compliance with national and international judicial and political systems.

Prereq: LDRSHP 410 or cons instr.

LDRSHP 421 LEADERSHIP LABORATORY 1 u

Advanced leadership concepts and skills are applied in actual situations commencing at an intermediate level and progressing through higher management positions. Increased emphasis on mentorship, group dynamics and management functions complements the instruction presented in LDRSHP 420. Meets two hours once per week.

LDRSHP 440 ADVANCED LEADER CAMP 3 u

A five-week summer practicum in advanced leadership development and assessment. Emphasis is on problem analysis, decision making, planning, organizing, controlling and group dynamics. Students will experience both the stress and satisfaction of being a manager/leader in challenging positions of authority and responsibility.

Prereq: Cons dept chp.

LDRSHP 461 AFROTC LEADERSHIP LAB**0 u**

Provides a structured environment within which commissioning candidates can demonstrate and fine tune leadership, management and professional officership skills. Cadets examine their own leadership/followership strengths and weaknesses through practical application.

Prereq: Application and acceptance into AFROTC membership.

LDRSHP 498 INDEPENDENT STUDY**1-3 u**

Repeatable. Prereq: Consent of department chairperson or instructor.

DEPARTMENT OF OCCUPATIONAL AND ENVIRONMENTAL SAFETY & HEALTH

Phone: 262-472-1117

E-Mail: safety@umw.edu

Faculty: Thomas Anderson, Deborah Bowen, Sang Choi, Wayne Cole, George Gruetzmacher, Andrew Kapp, Robert Lepkowski, Alvaro Taveira (Chairperson), Vay Rodman, Mary Wagner, Terry Witkowski, Craig Wucivic, Roger Young, David Zehel.

The Department of Occupational and Environmental Safety & Health (OESH) prepares students for rewarding careers protecting America's work force, the public and the natural environment from harm in today's age of rapid technological and scientific development. The Environmental Safety & Health (ESH) professional is concerned with the interaction between people and the physical, chemical, biological and psychological factors which affect their safety, health and productivity. Coursework covers a wide range of subjects including ergonomics, accident prevention, security, and environmental protection. The students are provided with essential skills that enable them to recognize, devise and implement methods to control hazards. Occupational safety majors are provided with a number of practical work site activities, culminating in a full semester internship with a practicing ESH professional. The Department also offers a minor program which provides a basic foundation in Occupational Safety for students majoring in other fields.

Driver Education Licensure is part of the Occupational and Environmental Safety & Health Department curriculum. This is a Department of Public Instruction approved program which provides current or potential licensed teachers an additional certification to teach driver's education. This is not a stand alone certification/licensure.

The OESH Department offers two General Education (GI) courses: SFTYGEN 201 Personal and Public Safety and SFTYGEN 255 Alcohol and Other Drugs. These are courses which support all degree programs and are in strong demand from undergraduate students across all majors. Other courses such as SFTYIND 380 Industrial Accident Prevention, SFTYGEN 450 Behavioral Aspects of Accident Prevention and SFTYIND 383 Introduction to Security attract undergraduate students from several other programs.

DRIVER EDUCATION LICENSURE 18 units

Licensed elementary, junior high, or secondary school teachers in any subject area can become licensed to teach driver education if they complete these courses:

SAFETY 201, SAFETY 450/650, SAFETY 255, SAFETY 260, SAFETY 461/661, SAFETY 464.

MAJORS/EMPHASES

Major Grade Point Average Requirement: Students entering the safety program are Pre-Safety majors until they complete Introduction to Safety, Industrial Accident Prevention and the first semester of Chemistry with a minimum grade point average in these courses of 2.5.

GPA Requirements for Internship and to Graduate: To obtain an internship and graduate the student must have a minimum 2.5 GPA in the major and as an overall college average.

Writing Proficiency Requirement: See chairperson for course(s) that satisfy this requirement.

OCCUPATIONAL SAFETY (BS)**UNIQUE REQUIREMENTS (22 UNITS)**

1. CHEM 102 AND CHEM 104
2. PHYSCS 130
3. BIOLOGY 120, BIOLOGY 361 OR PEPROF 271
4. ECON 245, EDFFOUND 482, MATH 230 OR MATH 231

MAJOR - 66-67 UNITS

1. SAFETY 201, SAFETY 450, SAFETY 453, AND SAFETY 488
2. SAFETY 380, SAFETY 420, SAFETY 479, SAFETY 481, SAFETY 483, SAFETY 485
3. BSEDCNA 353
4. SAFETY 470 (2 UNITS) AND SAFETY 492 (12 UNITS)
5. SELECT 6 UNITS FROM: ECON 353, FNBSLW 446, MANGEMNT 306, MANGEMNT 320, MANGEMNT 430, MANGEMNT 486
6. SELECT 11-12 UNITS FROM: PEPROF 281, SAFETY 255, SAFETY 260, SAFETY 381, SAFETY 382, SAFETY 383, SAFETY 384, SAFETY 482, SAFETY 486, SAFETY 487, SAFETY 489, COMDIS 444

OCCUPATIONAL SAFETY - CONSTRUCTION SAFETY EMPHASIS (BS)**UNIQUE REQUIREMENTS (22 UNITS)**

1. CHEM 102 AND CHEM 104
2. PHYSCS 130
3. BIOLOGY 120, BIOLOGY 361, OR PEPROF 271
4. ECON 245, EDFFOUND 482, MATH 230, OR MATH 231

MAJOR REQUIREMENTS (64-65 UNITS)

1. SAFETY 201, SAFETY 450, SAFETY 453, AND SAFETY 488
2. SAFETY 380, SAFETY 420, SAFETY 481, SAFETY 483, SAFETY 485, AND SAFETY 489
3. SAFETY 382, SAFETY 384, SAFETY 482
4. SAFETY 470 (2 UNITS) AND SAFETY 492 (12 UNITS)
5. BSEDCNA 353
6. SELECT 6 UNITS FROM: ECON 353, FNBSLW 446, MANGEMNT 306, MANGEMNT 320, MANGEMNT 430 AND MANGEMNT 486
7. SELECT 2-3 UNITS FROM COURSES: PEPROF 281, SAFETY 255, SAFETY 260, SAFETY 381, SAFETY 382, SAFETY 383, SAFETY 384, SAFETY 482, SAFETY 486, SAFETY 487, SAFETY 489, AND COMDIS 444

Additional Requirements: Students must successfully complete a comprehensive examination prior to beginning their professional term.

MINOR/EMPHASES

OCCUPATIONAL SAFETY EMPHASIS

MINOR - 24 UNITS

1. SAFETY 201
2. SAFETY 380
3. SAFETY 450
4. SAFETY 453
5. SAFETY 483
6. SAFETY 488
7. SELECT 6 ELECTIVE UNITS FROM COURSES
SAFETY 255, SAFETY 383, SAFETY 382, SAFETY 420,
SAFETY 486, SAFETY 487, SAFETY 489, OR SAFETY 381

COURSE DESCRIPTIONS

Field trips may be required for any of the courses.

SAFETY 201 PERSONAL AND PUBLIC SAFETY *GI* 3 u

Presents a systematic account of the foundations of safety to students with little previous knowledge of the subject. It presents the accident problem, philosophical implications, concepts of accident causation and countermeasures, and an overview of specific areas of safety concern: fire, water safety, traffic, disasters, etc.

SAFETY 255 ALCOHOL AND OTHER DRUGS *GI* 3 u

An investigation into the physiological, psychological and sociological problems presented by the use of alcohol and other drugs. Prevention and treatment programs will be examined. Other areas of study will include alcohol and traffic safety, alcohol and other drugs education and employee assistance programs.

SAFETY 260 BASIC TRAFFIC SAFETY 3 u

Presents the traffic problem in today's society with an overview of the concepts used in traffic accident prevention. Human, vehicle, environmental and legal factors are studied in their relationship to the total problem.

SAFETY 380 INDUSTRIAL ACCIDENT PREVENTION 3 u

A combination of principles and practices designed to provide the student with a basis for understanding the nature of occupational accident prevention and loss reduction. The topics to be examined include legislative aspects, accident causation, strategies for minimizing injuries and losses, and sources of assistance in resolving safety and health problems.

SAFETY 381/581 MOTOR FLEET SAFETY 3 u

An analysis of fleet safety problems and programs. Detailed study of the truck transportation industry, motor carrier responsibilities, federal regulations and safety supervision programs.
Prereq: SAFETY 380 or cons instr.

SAFETY 382/582 SAFETY IN THE CONSTRUCTION INDUSTRY 3 u

This course examines the practices and safety-related problems found in the construction industry. Administrative and organizational issues that impact construction safety programs are examined. Students will be introduced to specific problems and countermeasures for correction through lectures and field experiences. The course provides an overview of applicable OSHA and MSHA standards.
Prereq: SAFETY 380 or consent of instructor.

SAFETY 383/583 INTRODUCTION TO SECURITY 3 u

A study of the physical, personnel, and informational aspects of the security field. Concepts of these areas will be integrated with safety management concepts and will be discussed in relationship to industrial and business environments.

SAFETY 384/584 CONSTRUCTION ACCIDENT PREVENTION 3 u

A combination of principles and practices designed to provide a basis for understanding the nature of accident prevention, health preservation and loss reduction in construction operations. The topics to be examined include federal safety and health regulations, techniques of hazard control, strategies for minimizing injuries and losses, and sources of assistance in resolving safety and health problems.
Prereq: SAFETY 382/582 or consent of instructor.

SAFETY 420/620 PRINCIPLES OF ENVIRONMENTAL SAFETY 3 u

This course addresses the U.S. Environmental Protection Agency regulations and the related responsibilities of the safety professional to insure compliance. Areas to be covered are: Safe Drinking Water Act, Storm Water Discharges, Hazardous Waste Disposal, Environmental Audits, Clean Air Act, etc.
Prereq: CHEM 102 and CHEM 104 or one year of general college chemistry and SAFETY 380.

SAFETY 450/650 BEHAVIORAL ASPECTS OF ACCIDENT PREVENTION 3 u

Selected theories of accident causation and countermeasures are studied. Examination of physiological, medical, psychological, and sociological factors which influence behavior, and methods for modifying unsafe behavior.
Prereq: Soph st or cons instr.

SAFETY 453 LEGAL ASPECTS IN ENVIRONMENTAL HEALTH & SAFETY 3 u

An examination of federal and state laws with judicial and regulatory interpretations having application to the management of the occupational and environmental safety & health responsibilities of private sector firms in the United States.
Prereq: Jr status or cons instr.

SAFETY 461/661 PROBLEMS AND MATERIALS OF DRIVER EDUCATION 3 u

Emphasis is placed on driver and traffic safety education professional issues and classroom curricular content, methods and resources. Organization and administration of the high school program will also be examined.
Prereq: SAFETY 260 or cons instr.

SAFETY 464 TECHNIQUES OF LABORATORY INSTRUCTION 1-5 u

A variable credit course designed to provide the student with the techniques of the in-car, simulation, and multiple car methods of laboratory instruction. Practical experience with beginning drivers will be arranged. Credit is determined by number of phases of laboratory instruction in which student participates.
Prereq: SAFETY 461 or cons instr.

SAFETY 470 SEMINAR — SAFETY 2 u

This seminar will provide emphasis on independent study research and inquiry and an opportunity for discussion and evaluation of professional internship experiences.
Prereq: Department approval required. Concurrent enrollment in SAFETY 492 and 2.50 University (cumulative) GPA.

SAFETY 479/679 PRINCIPLES AND METHODS OF INDUSTRIAL HYGIENE 3u

An introduction to the science and art of anticipating, recognizing, evaluating, and controlling the chemical, physical, and biological agents that affect the health and safety of workers. The laboratory provides working knowledge and hands-on experience with equipment for recognizing, analyzing, and evaluating occupational health hazards in industry. One 2.5 hour lecture and one 2.5 hour lab per week.
Prereq: CHEM 102 or consent of instructor

**SAFETY 481 ANALYSIS AND DESIGN FOR SAFETY 3 u
IN INDUSTRIAL OPERATIONS**

The course examines the need for an interpretation of occupational safety and health standards. Emphasis is placed on local, state, federal and association standards to numerous applications including materials handling and storage, powered industrial trucks, machine guarding, working with hot and cold metals, welding and cutting, electrical hazards and flammable and combustible liquids. Class visitations to selected industries will be scheduled to assist students in understanding industrial and plant processes and to recognize potential hazards.

Prereq: SAFETY 380, SAFETY 479, and SAFETY 488

**SAFETY 482/682 CONSTRUCTION SAFETY 3 u
MANAGEMENT**

An examination of the practices of managing occupational safety and health programs in the construction field. The course is designed to provide the student with an understanding of how the regulatory and financial responsibilities of accident prevention, health preservation and loss reduction in construction operations are met.

Prereq: SAFETY 384/584

**SAFETY 483/683 INDUSTRIAL SAFETY 3 u
MANAGEMENT**

Emphasis will be on the organizational and administrative problems that relate to an occupational accident prevention program. The course is especially designed for students majoring in the business related areas as well as teachers and future safety professionals who desire to emphasize an understanding of these management problems as well as some applicable solutions.

Prereq: SAFETY 380 or cons instr. and 2.50 University (cumulative) GPA

SAFETY 485/685 FIRE PROTECTION/PREVENTION 3 u

Control of fire through study of building construction to prevent fire spread, occupancy-hazard relationships, exposure to and from adjacent occupancies, lifesaving aspects, and the development of professional knowledge of flammable gases, liquids, combustible solids, dusts, chemicals, and explosives. Interpretation of appropriate codes will be covered.

Prereq: CHEM 102 or one semester of general college chemistry or cons instr.

SAFETY 486/686 SAFE HANDLING OF MATERIALS 3 u

Students will study the mechanical and manual safe handling of materials as major contributors to accident causation in industry. Using a systems safety approach, students will be exposed to personnel training and placement, equipment operation and maintenance, flow of materials, and the handling of hazardous materials.

Prereq: SAFETY 380 or cons instr.

SAFETY 487/687 PRODUCT SAFETY 3 u

An analysis of the trends of the product liability problem and the agencies regulating products. Special emphasis will be given to legal theories related to product liability and landmark litigation providing the basis for case law. A substantial portion of the course will be devoted to examining the elements of product safety programming.

Prereq: SAFETY 380 or cons instr.

SAFETY 488/688 ERGONOMICS 3 u

This course is intended to provide the student with basic introductory information concerning human information processing capabilities and limitations. Ergonomic strategies for preventing manual material handling, repetitive motion injury and ergonomic design and evaluation of man-machine systems will be included in the course.

Prereq: Cons instr.

SAFETY 489/689 CHEMICAL SAFETY 3 u

This course addresses OSHA, NFPA & ANSI standards as they relate to the use & storage of chemicals in the workplace. Standards to be covered are

Process Safety Management of Highly Hazardous Chemicals, Hazardous Chemical Communication, Personal Protective Equipment Regulation, Laboratory Safety Standard, DOT Shipping Requirements, etc.

Prereq: CHEM 102 and CHEM 104 or one year of general college chemistry or cons instr.

**SAFETY 490/690 WORKSHOPS IN SAFETY 1-6 u
EDUCATION**

Repeatable three times for a maximum of 9 units in major/degree. Prereq: Consent of instructor.

SAFETY 491/691 TRAVEL STUDY Repeatable 1-3 u**SAFETY 492 FIELDWORK INTERNSHIP IN 1-12 u
SAFETY**

Offered on a satisfactory/no credit grade basis only. Internship students will be assigned to a company or governmental agency according to their interests to study in the field under the joint direction of the organization's Safety Manager and a University Supervisor. Students will be required to work with administrative and operational personnel at various levels. Written documentation of experiences will be required.

Repeatable two times for maximum of 12 units in major/degree. Prereq: Consent of Coordinator of Field Experiences and concurrent enrollment in SAFETY 470 and University (cumulative) GPA equal to or higher than 2.50.

SAFETY 496/696 SPECIAL STUDIES 1-3 u

A course which offers study in special topics in safety which are not regularly included in the curriculum.

Repeatable for a maximum of 6 units in degree.

SAFETY 498 INDEPENDENT STUDY 1-4 u

May be retaken four times for a maximum of 4 units in major/degree. Prereq: Consent of department. Restricted to students with Jr or Sr standing and majors and minors and licensure/certification candidates.

**DEPARTMENT OF SPECIAL
EDUCATION**

Phone: 262-472-1106

E-Mail: special@unw.edu

Faculty: Nancy Amacher, Maureen Griffin, Nomsa Gwalla-Ogisi, Sharon Kolb, Poonam Kumar, Richard Lombard, George Mischio, Ann Riall, Claudia Rinaldi, Diana Rogers-Atkinson, Robin Warden (Chairperson).

Special Education prepares personnel to work with individuals who have a variety of disabilities. The program offers alternatives in preparing professional staff to serve different age groups ranging from infant/toddler/preschool through programs serving adolescents. Selection of sequences which emphasize varying degrees of disability from mild through severe profound are available.

MAJOR/EMPHASES

Students majoring in special education are expected to meet Departmental Continuation Standards. These standards are designed to provide a wide range of experiences with children and adolescents with exceptionalities. Fulfillment of these experiences is an avenue to test your own attitudes toward working with persons with disabilities, as well as providing a background to complement and make the academic program more relevant. Students who do not complete the standards will need to meet with their adviser to discuss their extent of involvement.

1. You are expected to participate in a minimum of 20 hours of volun-

teer experience each semester with individuals with exceptionalities. Students enrolled in a special education course require such experiences during a specific semester, or are enrolled in directed teaching, are exempt from this standard. Assistance in locating an appropriate field experience site/program can be obtained from your adviser.

2. Participation in a student organization/group serving those with exceptionalities or an education association is expected. Some of these organizations are: SCEC, SAS, ACE, Best Buddies, In Education, and SWEA.
3. At least 15 units of coursework in the Department of Special Education at this University is required prior to acceptance into Directed Teaching.

Writing Proficiency Requirement: Requirement accomplished in several courses within the emphasis course sequence.

Grades of Incomplete, D or F in special education courses (prefix SPECED or SPECFLD) must be removed before the student can enroll in SPECFLD 411 (A-H) Directed Teaching.

EARLY CHILDHOOD EDUCATION MAJOR

See page 124.

SPECIAL EDUCATION MAJOR CROSS CATEGORICAL PROGRAM EBD/LD EMPHASIS (BSE)

LICENSURE - 26 UNITS

1. EDFOUND 222, EDFOUND 243, EDFNDPRC 210, LIBMEDIA 201
2. COMDIS 355/555, READING 360, ELEMID 425
3. SPECFLD 385, SPECFLD 485B & 485C, SPECFLD 410

MAJOR - 61 UNITS

1. SPECED 205 OR SPECED 700, SPECED 324/524
2. SPECED 325/525, SPECED 426/626
3. SPECED 360/560, SPECED 361/561
4. SPECED 380/580, SPECED 440/640, SPECED 450/650, SPECED 462/662, SPECED 466/666
5. SPECED 406/606, SPECED 458/658, SPECED 486/686, SPECED 487/687
6. SPECED 470/670, SPECED 480/680
7. SPECFLD 489B, C & D OR SPECFLD 789B, C & D OR SPECFLD 793B, C & D

SPECIAL EDUCATION MAJOR CROSS CATEGORICAL PROGRAM COGNITIVE DISABILITIES (BSE)

LICENSURE - 23 UNITS

1. EDFOUND 222, EDFOUND 243, EDVNDPRC 210, LIBMEDIA 201
2. COMDIS 355/555, ELEMID 425
3. SPECFLD 385, SPECFLD 485A, SPECFLD 410

MAJOR - 64 UNITS

1. SPECED 205 OR SPECED 700, SPECED 324/524
2. SPECED 325/525, SPECED 426/626, AND SPECED 466/666
3. SPECED 360/560, SPECED 361/561, SPECED 462/662
4. SPECED 376/576, SPECED 406/606, SPECED 440/640, SPECED 380/580, SPECED 465/665
5. SPECED 458/658, SPECED 476/676, SPECED 486/686

6. SPECED 470/670, SPECED 480/680
7. SPECFLD 489 A&D OR SPECFLD 789 OR SPECFLD 793

MINOR

SPECIAL EDUCATION - NON-LICENSURE

MINOR - 24 UNITS

1. SPECED 325
2. SPECED 240, SPECED 360, SPECED 361 OR EDUINDP 442, SPECED 426 OR EDUINDP 333, SPECED 466, SPECED 458
3. SPECFLD 385 OR EDUINDP 443, SPECFLD 410

UNIQUE REQUIREMENT:

SPECED 205 AND ADMISSION TO PROFESSIONAL EDUCATION. NON-EDUCATION MAJORS MUST MEET WITH SPECIAL EDUCATION MINOR ADVISOR BEFORE DECLARING THIS MINOR.

COURSE DESCRIPTIONS

SPECIAL EDUCATION

SPECED 205 PSYCHOLOGY OF THE EXCEPTIONAL CHILD 3 u

A survey course designed to familiarize students with the psychological, physiological and educational problems which confront persons who are cognitively disabled, gifted, emotionally disturbed, speech impaired, auditorily impaired, visually impaired, orthopedically and neurologically impaired.

SPECED 240 MANUAL COMMUNICATION 1 u

Offered on a satisfactory/no credit basis only. Designed to provide the student with basic knowledge of manual communication techniques including finger spelling and basic signing.

SPECED 320/520 INTRODUCTION TO THE EDUCATION OF YOUNG CHILDREN WITH EXCEPTIONAL EDUCATIONAL NEEDS 3 u

Designed for persons interested in the education of infants/toddlers and preschoolers. Causes of disabling conditions are reviewed and early intervention programs studied. Parent training and family involvement rationale and techniques are also examined.

Prereq: SPECED 205/721, EDFOUND 222 or EDFOUND 322 or consent of instructor. Restricted to students with professional ed admission.

SPECED 324/524 FOUNDATIONS OF SPECIAL EDUCATION 3 u

The purpose of this course is to help students explore issues and perspectives related to basic theories in special education. The course also examines the legal and ethical implications surrounding special education, and the historical developments within the field. This course will provide teacher education students with experiences that engage them in explicitly examining their conceptions, assumptions, and attitudes related to students with exceptional educational needs. Extensive consideration will be devoted to misconceptions about multicultural and bilingual aspects of special education as well as pedagogical approaches for including students with diverse learning styles and abilities in general education environments.

Prereq: SPECED 205

SPECED 325/525 CHARACTERISTICS OF CD/EBD/LD 3 u

This course addresses the characteristics of cognitive disabilities, emotional/behavioral disabilities, and learning disabilities. The purpose of the course

is to provide an overview of the theoretical and historical issues related to the three most common disabilities. Specific application of theory and history will be applied to all three areas looking at characteristics across the life span. Inter-relationships of the characteristics, needs and implication for practice will be covered.

Prereq: SPECED 205, admission to professional education.

SPECED 360/560 BEHAVIOR MANAGEMENT FOR THE INCLUSIVE CLASSROOM 3 u

The purpose of this course is to provide general strategies to promote effective behavior management in the inclusive educational environment. Focus will be on theories and practices for facilitating successful integration of children with disabilities in the regular education classroom or public school special education programs.

Prereq: SPECED 205, admission to professional education.

SPECED 361/561 INCLUSIVE METHODS OF INSTRUCTION 3 u

This course is designed to help prospective special education teachers in grades K-12 learn to work effectively with students with mild disabilities. Instructional principles and strategies to provide quality instruction to help students become successful learners will be emphasized. Content emphasis includes models of instruction, and methods for delivering instruction including lesson planning and unit planning.

Prereq: SPECED 205, 324/524, 325/525, 426/626 and admission to professional education. Coreq: SPECFLD 380/580

SPECED 376/576 MEDICAL ASPECTS OF DISABILITY 3 u

Study of the medical, physiological, neurological, physical, developmental, and sensory characteristics of persons with physical or medical conditions which impact educational programming. Emphasis on the etiology and implications of genetic, prenatal and acquired causes of disabilities including cerebral palsy, genetic syndromes, medical fragility, technology dependency, AIDS, and perinatal drug exposure. Interdisciplinary approaches to services provided for persons with complex attendance needs are addressed.

Prereq: 6 units Special Education or consent of instructor. Restricted to students with professional ed admission.

SPECED 380/580 PHASE 3 PORTFOLIO 2 u

This course assists teacher candidates to develop their phase 3 portfolio which includes a philosophical statement which addresses DPI's core values; three narratives in the areas of assessment, instruction, and communication and collaboration; and three to nine student-selected artifacts selected from course projects or related artifacts across the college and Department of Special Education, prior to their entrance into the Directed Teaching Block that provide evidence of the attainment of knowledge and skills related to WTS and CEC/NCATE standards.

Prereq: Admission to professional education, SPECED 205, 324/524, 325/525, 360/560, 361/561, 426/626 and SPECFLD 385/585. Coreq: SPECFLD 485/685, SPECED 440/640, SPECED 450/650 or 465/665.

SPECED 406/606 CAREER/VOCATIONAL PROGRAMMING FOR EXCEPTIONAL EDUCATIONAL NEEDS 3 u

Identification of specific strategies for overcoming attitudinal and technical barriers to vocational mainstreaming of special needs students. Content includes values clarification, vocational assessment, vocational IEP development, and elementary and secondary vocational models in delivering appropriate vocational services to EEN students. Content covers grades K-12.

Prereq: SPECED 325/525 and admission to professional ed.

SPECED 407/607 FOUNDATIONS OF AUTISM SPECTRUM DISORDER 3 u

The purpose of this course is to provide an in-depth graduate level introduction to the foundations of autism spectrum disorder. This course

includes an overview of autism spectrum disorder, including discussion of diagnostic issues, philosophical issues, research on the biological and psychosocial bases of the disorders, as well as an overview of intervention techniques and legal issues. The basic principles of behavioral analysis are covered.

Prereq: SPECED 205 and/or consent of instructor

SPECED 408/608 METHODS FOR TEACHING CHILDREN WITH AUTISM SPECTRUM DISORDER 3 u

This course provides students with methods of instructing children with autism spectrum disorders. The focus will be on developing functional skills based upon individual children's needs. Methods of instruction will include applied behavior analysis, sensory integration, TEACCH, and functional and ecological assessment procedures.

Prereq: SPECED 205 AND SPECED 407/607 or consent of instructor

SPECED 409/609 NONVIOLENT CRISIS INTERVENTION 1 u

This course provides participants with certification or recertification in Nonviolent Crisis Intervention as recognized by the Crisis Prevention Institute (CPI). Techniques for de-escalating potentially harmful situations as well as strategies for responding to direct physical threats will be presented. The instructor is certified by CPI to provide training. Participants passing the exit exam will receive a one-year certificate in non-violent crisis intervention. Participants are asked to wear comfortable clothing suitable for physical activity and avoid wearing jewelry during the course. Students must purchase a workbook from the instructor the first day of class to participate. Students registering for this course that are not currently licensed teachers or enrolled in a teacher education program must complete an Admission to Professional Education for Non-Licensure form to enroll in this course.

SPECED 422/622 CURRICULUM METHODS AND ADMINISTERING EC:EEN PROGRAMS 3 u

Exploration of early intervention services for young children with special needs, best practices for programming for 3 to 6 years olds with emphasis on curriculum and program implementation across developmental domains, methods of intervention for the whole child, and administering a multidisciplinary program. Identification of management responsibilities to include coordination of staff and services, transition practices, and program accountability. Students are required to participate in supervised fieldwork activities.

Prereq: SPECED 320/520. Restricted to students with professional ed admission.

SPECED 423/623 WORKING WITH INFANTS/TODDLERS WITH SPECIAL NEEDS AND WITH THEIR FAMILIES 3 u

For students who are interested in providing services to infants and toddlers with special needs. Course content will examine legislative basis of services to the birth to 3 population, screening and assessment procedures, eligibility criteria for service delivery, and interagency and team collaboration styles. Students will also learn methods of curriculum design and implementation, evaluation of materials and resources and program delivery systems.

Prereq: SPECED 320/520. Restricted to students with professional ed admission.

SPECED 424/624 FAMILY FOCUSED INTERVENTION 3 u

Identification of skills and techniques needed to work with families of children with special needs in infant, toddler and preschool programs will be addressed. Family dynamics are analyzed with attention given to various stages parents experience in relationship to their child and overall family situation. Specific attention is given to communicating with families, conducting family needs assessments, and working with, and advocating for, parents with special needs. Opportunities to advocate for and work directly with infants, parents and families are provided.

Prereq: SPECED 320/520 and SPECED 423/623 or taken concurrently. Restricted to students with professional ed admission.

SPECED 425/625 INTRODUCTION TO GIFTED EDUCATION 3 u

A survey of the definitions and measures of creativity and intellectual pursuits, extraordinary products and an examination of the genetic, environmental and social factors that develop and maintain gifted humans.

Prereq: Jr/Sr st. Restricted to students with professional ed admission.

SPECED 426/626 INTRODUCTION TO INDIVIDUAL DIAGNOSTIC ASSESSMENT OF EXCEPTIONAL EDUCATIONAL NEEDS 3 u

A core course providing an overview of educational assessment and diagnosis of those with disabilities. Emphasis is placed upon testing for IEP development, the teaching and implications of the educational evaluation for multidisciplinary team decision making.

Prereq: SPECED 205 and EDFNDPRC 210. Restricted to students with professional ed admission.

SPECED 440/640 ADVANCED BEHAVIOR INTERVENTION STRATEGIES 3 u

The purpose of this course is to provide special educators with the knowledge and skills to intervene with children with intense patterns of behavior that prevent the student from accessing the general education classroom. Techniques for conducting functional behavior assessments and designing behavior intervention plans will be provided. In addition, legal aspects regarding behavior intervention will be provided.

Prereq: Admission to professional education, SPECED 205, 360/560, 361/561, 426/626.

SPECED 450/650 INTERVENTION FOR CHILDREN WITH EBD 3 u

The purpose of this course is to provide intervention strategies for working with children with severe emotional/behavioral disorders. Strategies related to AODA, social skills curriculum, abuse/neglect, juvenile corrections, and medication management will be presented. In addition, methods for creating effective program models will be presented.

Prereq: SPECED 205, 361/561, 426/626, admission to professional education.

SPECED 458/658 COLLABORATION FOR EFFECTIVE INSTRUCTION 3 u

This course develops student's skills and understanding of the laws pertaining to students with disabilities, writing individualized instructional plans, inclusion, collaboration and school-based team membership, and adaptation and modifications of instruction. Students also develop their personal philosophy of education including beliefs about teachers, students, diversity, community, inclusion, etc. and a profile of their role as a team member through the use of a variety of self-assessment tools and the use of a cooperative learning structure (base teams) for the course.

Prereq: SPECED 205, SPECED 336/536, SPECED 406/606, SPECED 426/626, SPECED 466/666 and admission to professional education

SPECED 461/661 FORMAL ASSESSMENT FOR YOUNG CHILDREN 3 u

This class provides the students with knowledge of the legal and ethical considerations related to the assessment of young children (Birth through age eight). Students will acquire skills related to developmental screening, determination of eligibility for special education, conducting norm-referenced assessments, writing reports, and communication with parents and other professionals.

Prereq: Completion of all prior Early Childhood Education courses and restricted to students with professional ed admission and ECE majors.

SPECED 462/662 EDUCATIONAL DIAGNOSIS AND ASSESSMENT IN LD, E/BD, CD 3 u

A course to develop advanced diagnostic skills for elementary through secondary mild/moderate disabled (LD, ED, MR) individuals. Particular

emphasis is placed upon the assessment of cognitive, academic, developmental and behavioral skills that affect classroom performance. The application of advanced trend analysis and data synthesis techniques for special education placement and program planning is stressed and current issues and trends are discussed.

Prereq: SPECED 426/626. Restricted to students with professional ed admission.

SPECED 465/665 CURRICULUM/METHODS COGNITIVE DISABILITIES-FUNCTIONAL 3 u

For persons who will be working with individuals who have moderate and/or severe disabilities. Provides methods, strategies and techniques in assessment, curriculum development, program design, instructional strategies, material development, and community transition for the population with moderate disabilities. A major focus will be on all aspects of functional programs across home, school, community and vocational environments.

Prereq: SPECED 205, SPECED 324/524, SPECED 325/525. Restricted to students with professional ed admission.

SPECED 466/666 WORKING WITH PARENTS OF EXCEPTIONAL CHILDREN AND COMMUNITY AGENCIES 3 u

Provides insight into the adjustment problems of individuals with disabilities in the home and school environments. Particular emphasis upon consultation and supportive skills to aid the person and their parents in dealing with school or agency personnel and programs.

Prereq: SPECED 205 and students in professional education.

SPECED 470 STUDENT TEACHING SEMINAR 2 u

The seminar provides a meaningful capstone experience for student teachers during their professional teaching semester. Current research, issues, and strategies specific to the field of special education and the teaching professional are presented.

Prereq: SPECFLD 385/585 and restricted to students in professional education.

SPECED 476/676 CURRICULUM, METHODS AND MATERIALS FOR THOSE WITH MULTIPLE DISABILITIES 3 u

For persons interested in acquiring specialized techniques and strategies in the care, instruction, programming, and management of individuals with physical, motor, medical, cognitive, communicative and/or behavioral disabilities. Specific information on positioning, physical handling, feeding facilitation, augmentative communication, sensory integration, adaptive switches, medication therapy and life skills development for the person with severe and profound disabilities. Emphasis is on functional skills.

Prereq: SPECED 205, SPECED 324/524, SPECED 325/525. Restricted to students with professional ed admission.

SPECED 480/680 PHASE 4 PORTFOLIO 1 u

This course assists teacher candidates to develop their phase 4 portfolio which includes a philosophical statement which addresses DPI's core values; three narratives in the areas of assessment, instruction, and communication and collaboration; and three to nine student-selected artifacts selected from field-based experiences with children (special education fieldwork, general education fieldwork, and student teaching) that provide evidence of the attainment of knowledge and skills related to WTS and CEC/NCATE standards. At the end of the seminar, teacher candidates will present the portfolio to an interdisciplinary group of UW-W faculty and staff.

Prereq: Pass Praxis II examination; Have no grades lower than a "C" in licensure courses; 2.75 GPA or higher.

SPECED 482/682 CURRENT TOPICS IN SPECIAL EDUCATION: PRE-INSTITUTE 1 u

The Pre-Institute is designed with the practical needs of educators in mind and will provide participants a comprehensive examination of current literature and practices within their school districts related to the current topic designated in the course SPECED 483/683 Current Topics in Special

Education: Institute. These topics will change on an annual basis and be determined by department faculty in consultation with a graduate advisory committee comprised of teachers, administrators, and alumni. Specifically, the Pre-Institute will focus on the identification of key elements needed to create a framework for strategic planning to improve programming practices within schools related to the Institute topic.

Coreq: SPECED 483/683

SPECED 483/683 CURRENT TOPICS IN SPECIAL EDUCATION: INSTITUTE 1 u

The Institute is designed with the practical needs of educators in mind and will provide participants a comprehensive examination of current literature and practices related to critical issues facing the field of special education. Topics are selected on the basis of need, interest, or timeliness and will change each time the course is offered. Institutes will be offered in the summer session and conducted by international and national leaders with expertise on the topic. SPECED 482/682 Current Topics in Special Education: Pre-Institute (1 credit) and SPECED 484/684 Current Topics in Special Education: Post-Institute (1 credit) can be taken prior to and following each summer institute and provide a more in-depth examination of the topic.

SPECED 484/684 CURRENT ISSUES IN SPECIAL EDUCATION: POST INSTITUTE 1 u

The Post-Institute is designed with the practical needs of educators in mind and will provide participants a comprehensive examination of current literature and practices within their school districts related to the current topic designated in the course SPECED 483/683 Current Topics in Special Education: Institute. These topics will change on an annual basis and be determined by department faculty in consultation with a graduate advisory committee comprised of teachers, administrators and alumni. Specifically, the Post-Institute will focus on the identification of key elements needed to create a framework for strategic planning to improve programming practices within schools related to the Institute topic.

Coreq: SPECED 483/683

SPECED 486/686 ACADEMIC INTERVENTIONS I 3 u

The course is about reading for students with problems and disabilities through the use of theories, models, and specific research-based programs in phonemic awareness, decoding, reading and comprehension. We will examine the processes and skills children and adolescents engage in to read and understand literature and content within the curriculum. Specifically the difficulties encountered by students with language and learning differences will be reviewed and research providing "best practices" in teaching phonemic awareness, reading, decoding, and comprehension as a tool for literacy development will be emphasized. Students will develop personal philosophies and review and implement instructional strategies for teaching the development and fluency aspects of phonemic awareness, reading, decoding, and comprehension within the special and regular curriculum. Prereq: SPECED 205, 324/524, 325/525, 361/561, 426/626 and admission professional education.

SPECED 487/687 ACADEMIC INTERVENTIONS II 3 u

This course is about writers and writing. WE will examine the processes and skills children and adolescents engage in to compose a quality written product. Specifically the difficulties encountered by students with language and learning differences will be reviewed and research providing "best practices" in teaching writing as a tool for literacy development will be emphasized. Students will develop personal philosophies and instructional strategies for teaching the development and fluency aspects of composition.

Prereq: Admission to Professional Education, SPECED 205, 324/524, 361/561, and 426/626. Coreq: SPECFLD 410, SPECED 486/686 and 458/658.

SPECED 489/689 EMPLOYMENT STRATEGIES 1 u

Offered on a satisfactory/no credit grade basis only. Designed to acquaint the teacher education student with the problems and procedures of securing a teaching position. Includes consideration of professional ethics, preparation of placement credentials, teacher licensure practices, interviewing techniques and teaching contracts. Reviews opportunities for professional advancement

through graduate study. (Open to teacher education students. Should be taken the semester prior to graduation or the semester of graduation.) Unreq: CIGENRL 489/689.

SPECED 490/690 WORKSHOP 1-10 u

Repeatable for a maximum of 12 units in major.

SPECED 491/691 TRAVEL STUDY Repeatable 1-3 u

SPECED 494/694 SEMINAR - SPECIAL EDUCATION 1-3 u

Repeatable. Prereq: Consent of instructor.

SPECED 496/696 SPECIAL STUDIES 1-4 u

Repeatable for a maximum of 12 units in major. Prereq: 480.205 or consent of instructor.

SPECED 498 INDEPENDENT STUDY 1-3 u

Repeatable for a maximum of 9 units in degree. Prereq: Consent of instructor.

PRACTICUM

SPECFLD 410/610 GENERAL EDUCATION FIELD EXPERIENCES 3 u

Students seeking licensure in Special Education will complete a 150 hour assignment in a general education classroom where inclusionary practices for individuals with special needs are applied. The field experience provides opportunities to become familiar with the range of students' abilities; curricular focus; achievement expectations; enhancements, adaptations, and modifications of instruction; and collaborative practices of general and special educators.

Coreq: SPECED 458/658, 486/686, 487/687.

SPECFLD 411[A-G] DIRECTED TEACHING 3-12 u

Offered on a satisfactory/no credit basis only. Professional laboratory, classroom, or center based experiences under the guidance of carefully selected, qualified cooperating teachers in classrooms in area school districts or other approved sites. Repeatable.

Prereq: Restricted to students with Admission to Directed Teaching, Practicum, Inservice Practicum and consent of department Coreq: SPECED 470 and SPECED 480

SPECFLD 385/585 CROSS CATEGORICAL FIELD WORK 2 u

This field experience provides all students with the opportunity to observe and participate with classrooms for children with cross-categorical educational needs with cognitive delays, emotional/behavioral disorders and learning disabilities.

Prereq: SPECED 205, 324/524, 325/525, admission to professional education. Coreq: SPECED 360/560, SPECED 361/561, SPECED 426/626.

SPECFLD 485/685A SPECIALIZATION FIELD WORK- COGNITIVELY DELAY 2 u

This field experience provides all students with the opportunity to observe and participate with classrooms for children within the specialization area of cognitively delays.

Prereq: SPECED 205, 324/524, 325/525, SPECFLD 385/585, Admission to Professional Education. Coreq: SPECED 360/560, 361/561, SPECED 426/626.

SPECFLD 485/685B SPECIALIZATION FIELD WORK- LEARNING DISABILITY 1 u

This field experience provides all students with the opportunity to observe and participate with classrooms for children within the specialization area of learning disabilities.

Prereq: SPECED 205, 324/524, 325/525, SPECFLD 385/585, Admission to Professional Education. Coreq: SPECED 360/560, 361/561, SPECED 426/626.

SPECFLD 485/685C SPECIALIZATION FIELD WORK- 1 u
EMOTIONAL/BEHAVIORAL DISORDERS

This field experience provides all students with the opportunity to observe and participate with classrooms for children within the specialization area of emotional/behavioral disorders.

Prereq: SPECED 205, 324/524, 325/525, SPECFLD 385/585, Admission to Professional Education. Coreq: SPECED 360/560, 361/561, SPECED 426/626.

SPECFLD 489A DIRECTED TEACHING SPECIAL 5 u
EDUCATION - COGNITIVE DISABILITY

Offered on a satisfactory/no credit basis only. Professional laboratory, classroom or center based experiences under the guidance of carefully selected, qualified cooperating teacher in classroom in the areas school districts or other approved sites. Repeatable.

Prereq: Restricted to students with Admission to Directed Teaching, Practicum, Inservice Practicum and consent of department Coreq: SPECED 470 and SPECED 480

SPECFLD 489B DIRECTED TEACHING SPECIAL 4 u
EDUCATION - LEARNING DISABILITY

Offered on a satisfactory/no credit basis only. Professional laboratory, classroom or center based experiences under the guidance of carefully selected, qualified cooperating teacher in classroom in the areas school districts or other approved sites. Repeatable.

Prereq: Restricted to students with Admission to Directed Teaching, Practicum, Inservice Practicum and consent of department Coreq: SPECED 470 and SPECED 480

SPECFLD 489C DIRECTED TEACHING SPECIAL 4 u
EDUCATION - EMOTIONAL/BEHAVIORAL DISORDERS

Offered on a satisfactory/no credit basis only. Professional laboratory, classroom or center based experiences under the guidance of carefully selected, qualified cooperating teacher in classroom in the areas school districts or other approved sites. Repeatable.

Prereq: Restricted to students with Admission to Directed Teaching, Practicum, Inservice Practicum and consent of department Coreq: SPECED 470 and SPECED 480

SPECFLD 489D DIRECTED TEACHING SPECIAL 8 u
EDUCATION - CROSS CATEGORICAL

Offered on a satisfactory/no credit basis only. Professional laboratory, classroom or center based experiences under the guidance of carefully selected, qualified cooperating teacher in classroom in the areas school districts or other approved sites. Repeatable.

Prereq: Restricted to students with Admission to Directed Teaching, Practicum, Inservice Practicum and consent of department Coreq: SPECED 470 and SPECED 480

COLLEGE OF LETTERS AND SCIENCES

(Title Page)

THE COLLEGE OF LETTERS AND SCIENCES

Phone: 262-472-1621

E-Mail: letterssci@umw.edu

Howard Ross, Dean
Mary Pinkerton, Associate Dean
Larry Schuetz, Assistant Dean and Coordinator of General Education
Debra Heiber, Director of Advising, Letters and Sciences

DEPARTMENT CHAIRPERSONS

Biological Sciences
Bruce Eshelman
Chemistry
Philip Johns
Geography
David Travis
History
Steven B. Karges
Mathematical and Computer Sciences
Bennette Harris
Languages and Literatures
George Savage
Philosophy/Religious Studies
Richard S. Brooks
Physics
Ken L. Menningen
Political Science
John Kozłowicz
Psychology
Barbara Beaver
Social Work
Janet Wright
Sociology
Patricia L. Searles
Women's Studies
Zohreh Ghavamshahidi

PROGRAM COORDINATORS

Race and Ethnic Cultures
Eugene Grigsby
Criminal Justice
Ronald Berger
Geology
Rex Hanger
International Studies
Anne Hamilton
Management Computer Systems
Robert Leitheiser
Public Policy and Administration
Susan Johnson

The College of Letters and Sciences seeks to assist you in developing the knowledge, understanding, skills, and appreciation which will enable you to live a rich, full life as well as succeed in your chosen profession. A background of study in the liberal arts is the distinguishing characteristic of the university graduate. Whatever your vocational aspiration, your liberal arts study will heighten your potential for personal and professional development. The major and minor programs of study within the College of Letters and Sciences build upon this liberal arts background and assist you in developing in-depth understanding of your chosen field of study.

MAJORS AND MINORS

The College of Letters and Sciences offers the Bachelor of Arts and the Bachelor of Science degrees, with majors in the following areas:

Biology	Liberal Studies
Chemistry	Management Computer Systems
Economics	Mathematics
English	Physics
French	Political Science
Geography	Psychology
German	Public Policy and Administration
History	Social Work
Individually Designed Major	Sociology
International Studies	Criminal Justice Emphasis
Integrated Science-Business	Spanish
	Women's Studies

Letters and Sciences majors may choose a minor from most of the areas listed above, or from the following:

Art	Journalism
Art History	Latin American Studies
Art Management	Legal Studies
Asian Studies	Library Media
Coaching	Music
Communicative Disorders	Philosophy
Computer Science	Physical Science
Criminal Justice	Public Administration
Dance	Race and Ethnic Cultures
Environmental Studies	Recreation Leisure Studies
English as a Second Language	Safety
Family & Health Studies	Special Education-Non-licensure
Geology	Speech
Health	Theatre
Human Services Foundations	Urban and Area Development
Individualized Minor	Web Development & Administration
International Studies	Women's Studies
Certificate Program in Paralegal Studies	
Certificate Program in Web Development & Administration	

Professional Minor in Business Studies: This minor is designed for students who wish to combine a liberal arts education with preparation for a career in some area of business. Nine areas of emphasis are available:

Accounting	Management	Human Resources
Business Law		Management Production
Finance	Marketing	
General Business		Office Systems
Management General		

Majors in these areas are not available through the College of Letters and Sciences degree programs.

BACHELOR OF ARTS OR BACHELOR OF SCIENCE WITH TEACHING LICENSURE

If you are working toward the Bachelor of Arts or Bachelor of Science degrees in the College of Letters and Sciences and also wish to be licensed to teach, you must fulfill all the requirements for the appropriate degree and complete all the requirements for licensure. Confer with the Director of Licensure in the College of Education during your freshman year if you are interested in this option.

PRE-PROFESSIONAL CURRICULA

E-Mail: preprof@mail.uww.edu

Chiropractic

Steven Anderson, Chemistry

Dentistry

Michael Woller, Biology

Law

Susan Johnson, Political Science

Medicine

Peter Messner, Biology

Optometry

Kenneth Menningen, Physics

Pharmacy

Philip Johns, Chemistry

Veterinary Medicine

Michael Woller, Biology

There are opportunities for you to obtain pre-professional work in a number of fields. In some areas, such as law and medicine, you will complete the Bachelor of Arts degree or Bachelor of Science degree before being admitted to a professional school. Other pre-professional programs at UW-W provide one, two or three years of study for students who will then transfer to a professional school. While at UW-W, you will be obtaining a well-rounded liberal education recommended by professional schools in addition to introductory courses in your professional area.

If you transfer to a professional school at the end of your junior year, you may have part of your work in the professional school applied toward completion of the bachelor's degree at UW-Whitewater. Details must be worked out with the Dean of the College of Letters and Sciences prior to your junior year.

As a student in a pre-professional curriculum you will be assigned a faculty adviser who is familiar with the requirements for admission to professional schools. If you have chosen a specific professional school, your adviser will help you to develop a program which meets the requirements of the institution to which you plan to apply. If you have not decided on a professional school, your adviser will help you develop a flexible program while aiding you in the search for a school to meet your needs. In Pre-Engineering, UW-W has a transfer agreement with UW-Platteville whereby students who perform satisfactorily may be automatically accepted into its Engineering program (contact a Pre-Engineering adviser for details).

Every effort is made to assist you in your admission to the professional school of your choice; however, you should be aware that admission to some programs is extremely competitive, and whether or not you are admitted will depend upon your academic record and your scores on admissions tests.

For further information on the pre-professional curriculums available at UW-W please contact one of the advisers listed above.

INDIVIDUALIZED OPPORTUNITIES WITHIN THE CURRICULUM

Individually Designed Major. If you wish to focus your study on a topic or problem area which falls outside the limits of the traditional major programs, you, together with your adviser, may design your own individually designed major. This individualized major permits an integration of the courses and programs offered by the University. For details and requirements of this major see Index.

Individually Designed Minor. The individualized minor can help you meet educational goals which cannot be met by the conventional minor programs. You can plan your own minor consisting of courses in areas related to your goals. See Index for details and requirements.

HONORARY FRATERNITIES

Alpha Delta Mu is a national social work honor society which encourages and recognizes superior scholarship in social work education. Membership is based on overall grade point average and is open to juniors and seniors who have earned at least six units in social work courses.

Alpha Kappa Delta is a national sociology honor society. The ETA of Wisconsin chapter was established at UW-Whitewater in 1970. AKD is an organization dedicated to the scientific study of social phenomena for the promotion of human welfare. To be eligible for membership, individuals must have completed at least 10 units in sociology, be at least junior standing, and have earned a minimum grade point average of 3.00 in all sociology courses and have a minimum 3.00 GPA overall.

Beta Beta Beta, national honorary biological society, was established at Whitewater in 1960. Beta Beta Beta seeks to encourage scholarly attainment in this field of learning by reserving its membership for those who achieve superior academic accomplishments and who indicate special aptitude for the subject of biology.

Gamma Theta Upsilon is an international geographical honor society. Gamma Upsilon chapter of the society was established at UW-Whitewater in 1965. The primary function of the society is to further professional interest in geography by affording a common organization for those interested in this field. Full regular membership is limited to persons possessing superior academic records and completion of at least three courses in geography.

Phi Alpha Theta is an international honorary society in history. Nu-Beta chapter was installed at Whitewater in the spring of 1967. Membership is open to students who have completed 12 or more units in history with at least a 3.1 grade point average in all history courses. Initiates must also have a 3.0 grade point average in two-thirds of all remaining courses.

Pi Delta Phi is a national French honor society which recognizes outstanding scholarship in French. To be eligible for membership, you must be a senior who has completed three advanced French courses and who has a 3.0 grade point average in French and a 3.0 cumulative grade point average.

Pi Sigma Alpha is the national honorary association for political science. The UW-Whitewater Chapter, Pi Mu, welcomes all students who fulfill the following requirements: 10 units in Political Science, 3.5 grade point average in Political Science courses, and 3.0 grade point average overall.

Psi Chi, the National Honor Society in Psychology, recognizes excellence in scholarship for graduate and undergraduate students who are making the study of psychology one of their major interests. Undergraduates who are elected to Psi Chi must rank not lower than the highest 35 percent of their class in general scholarship and must have demonstrated superior scholarship in psychology.

Sigma Delta Pi, national professional society in Spanish studies, was established at Whitewater in 1966. Eligible for membership are those students who have completed at least three upper-division Spanish courses, one in literature, and have attained a B average in all Spanish courses and have a high achievement level in other academic courses.

Sigma Pi Sigma is the physics national honor society. Membership is open to all students with an overall G.P.A. of at least 3.0 and a G.P.A. of at least 3.0 in physics, based upon at least three physics classes applicable toward a physics major.

Sigma Tau Delta, the national English Honor Society, is open to English majors and minors who have had at least two courses past English 101 and 102, have at least a B average in English, and rank within the top 35% of their class overall. The society sponsors regional and national conventions, a literary magazine, and writing awards for creative and critical writing.

DEPARTMENTAL ORGANIZATIONS

Data Processing Management Association is an organization of students who have a strong interest in the field of data processing. Its purposes are to promote interest in and an understanding of business data processing through guest lectures, seminars and field trips to computer installations and DPMA conferences.

French Club is an organization open to anyone interested in French language and culture.

German Club is an organization open to all students in German and to anyone interested in German culture.

The Law Society, co-sponsored by the Political Science Department and the Finance and Business Law Department, is open to pre-law students and anyone interested in the law. Students have the opportunity to attend speaker meetings and participate in field trips.

Public Relations Student Society of America is the professional society for students who are majors or minors in public relations under the speech communication major as well as for interested students from other disciplines.

Social Work Student Organization seeks to unite the Social Work majors to promote the major, to provide a sounding board, and to act as a medium between faculty and students to facilitate major changes within the department.

Society of Physics Students is open to all students who are in physics or related fields. In 1965 the club became a student section of the American Institute of Physics, a national federation of leading societies in physics.

Spanish Club offers members cultural activities pertaining to the Spanish speaking countries to create an interest in the culture and ways of life of the Spanish-speaking world and to stimulate greater understanding and appreciation of Spanish-speaking friends the world over.

Student Psychology Association invites students to join psychology majors and faculty in challenging their concepts of the world and themselves through spirited interchange of ideas about psychology and its impact on the individual.

Student Sociology Association is a voluntary group whose purpose is to afford interested students the opportunity to initiate and participate in campus and professional activities.

UWW Geology Club is an organization open to any student interested in furthering the education and fellowship of students in the field of geology.

COLLEGE DEGREE REQUIREMENTS

BACHELOR OF ARTS (BA)

BACHELOR OF SCIENCE (BS)

To graduate from the College of Letters and Sciences, students must complete a minimum of 120 units, including coursework to satisfy all of the General Education (Communication & Calculation Skills and University Requirements) College Degree, major and minor requirements. Students must have at least a 2.0 grade point average in the major and minor fields as well as a 2.0 UW-W overall grade point average. Certain majors and minors in the College require a grade point average above 2.0 in the major, minor and/or overall.

Students may earn either the Bachelor of Arts or the Bachelor of Science degree in the College of Letters and Sciences. The BA degree emphasizes preparation in the arts and humanities, while the BS degree emphasizes preparation in mathematics, sciences and social sciences.

Students are required to complete both a major and a minor from the approved majors and minors listed in the Catalog. (No minor is required for a major in International Studies, Public Policy and Administration, the 54-unit MCS major, the Sociology-Criminal Justice emphasis, the Integrated Science Business major, the Chemistry-Professional ACS approved emphasis or for option II of the Liberal Studies Major and option II of the Individualized Major.) The same course units may not be counted toward both a major and a minor.

BACHELOR OF ARTS

In addition to the General Education requirements, students must complete the following BA degree requirements:

1. Upper Level Breadth Requirement
6 units at the 300-400 level in Arts, Humanities, Social Sciences or Race/Ethnic or Women's Studies, excluding courses in major and minor disciplines; not limited to Gen Ed courses or one course per discipline rule
2. Foreign Language Requirement
One college-level year of a foreign language or the equivalent (2 high school years of the same foreign language); one course taken to fulfill this requirement may count as an elective.

BACHELOR OF SCIENCE

In addition to the General Education requirements, students must complete the following BS degree requirements:

1. Two 4-5 unit laboratory science courses designated GL from 2 different disciplines (biology, chemistry, geology, geography, physics or astronomy), one of which may count in University Requirements.
2. 5 units in math beyond 141 or 3 units in math beyond 141 and 3 units in computer science courses (not limited to GM courses, but may count in University Requirements if they are GM).

GENERAL DIVISION

LSINDP 399 CAREER INFORMATION IN ARTS & COMMUNICATION, LETTERS AND SCIENCES 1 u

Offered on a satisfactory/no credit basis only. Career information specifically for Arts & Communication and Letters & Sciences majors, focusing on self-analysis in preparation for the job search, resume-writing and interviewing. Particular attention will be given to career opportunities, the value of the degree program and possibilities for graduate study. Prereq: Sophomore standing. Unreq: ACINDP 399.

LSINDP 490/690 WORKSHOP *Repeatable* 1-3 u

LSINDP 491/691 TRAVEL STUDY *Repeatable* 1-3 u

LSINDP 496/696 SPECIAL STUDIES *Repeatable* 1-3 u

LSINDP 498 INDEPENDENT STUDY *Repeatable* 1-3 u

INTERDEPARTMENTAL MAJORS AND MINORS

International and Area Studies - Refer to *International and Area Studies Section*.

International Studies Major
Asian Studies Minor
International Studies Minor
Latin American Studies Minor

Integrated Science - Business Major - Refer to *Biology*

Department

Criminal Justice Minor - Refer to departments of *Political Science and Sociology*.

Environmental Studies Minor - Refer to *Geography & Geology Department*.

Family and Health Studies - Refer to *Sociology Department*

Human Services Foundation Minor - Refer to *Social Work Department*

Liberal Studies Major – Refer to *Philosophy and Religious Studies Department*

Physical Science Minor -Refer to *Physics Department*

GENERAL SCIENCE BROADFIELD MAJOR (BSE)

Open only to students pursuing teacher licensure. There are five emphases within this major. Refer to the department of the emphasis for requirements.

Biology	Physical Science (Physics)
Chemistry	Physics
Earth Science (Geography)	

The broadfield science program for teacher education can follow one of two plans:

1. A 58 unit major providing for one teaching minor.
2. A 68 unit major providing for two teaching minors.

The 58 unit broadfield major consists of 24 units in one of the science areas; 14 units in one of the three remaining sciences; and 10 term units in each of the two remaining sciences. The areas required are chemistry, biology, physics, geography and geology. Mathematics through one year of calculus shall be considered as a prerequisite for those who choose 24 units in physics. For others, MATH 152, Elementary Functions, shall be considered a prerequisite to the major field. In addition to the 58 units, the broadfield science program requires an additional course: GEOGRPY 252 or BIOLOGY 214. Consult the department in each science area for the specific courses required.

SOCIAL STUDIES BROADFIELD MAJOR (BSE)

Open only to students pursuing teacher licensure. This major consists of at least 53 hours in a program approved by the College of Education. This program must follow either of two basic guidelines:

1. A 34 unit concentration in any approved area of social studies and 20 units in at least two other areas of social studies.
2. A 22 unit concentration in any approved area of social studies and 32 units in at least three other areas of social studies.

If courses in the major are used to satisfy General Education requirements and Human Relations course requirement, the program can be completed within 120 units. Transfer students must complete at least five courses at UW-W for this major.

Note: Only those courses in geography which relate to the cultural environment will apply toward the major. Courses in other social science areas which are primarily techniques courses will not apply to the major.

Additional Licensure Requirement:

Wisconsin law requires that persons seeking licensure to teach history or other social studies have instruction in cooperatives and conservation. The requirement in respect to cooperatives may be met by completion of ECON 213, Economic Principles for Secondary Teachers, or ECON 324, Cooperatives. The requirement for instruction in conservation may be met by the completion of GEOGRPY 252 Human Environmental Problems, or BIOLOGY 214 Ecology and Society.

History certification for holders of Social Studies (701) license: 15 units of upper level (300 or 400) or graduate (500, 600, or 700) history courses distributed as follows: 6 units of U.S. History, 6 units of European History, and 3 units of African, Asian, Latin American or Middle-Eastern History. All 15 units must have been completed within 5 calendar years. Some of the courses listed above may have prerequisites which must be taken beyond the specified 15 units.

There are twelve emphases within this major. Refer to the department of the emphasis for the major requirements.

Economics Option I	Political Science Option I
Economics Option II	Political Science Option II
Geography Option I	Psychology Option I
Geography Option II	Psychology Option II
History Option I	Sociology Option I
History Option II	Sociology Option II

ELEMENTARY EDUCATION MAJOR

Elementary Education majors who have a minor in English, Foreign Language, Mathematics or Social Studies (Economics, Geography, History, Political Science, Psychology or Sociology) may be certified to grade 9 with the addition of the appropriate Secondary Education methods course and Secondary Education Observation and Participation.

GENERAL SCIENCE ELEMENTARY MINOR

This is a broadfield, general science minor for students majoring in elementary education. It is intended to insure breadth of science preparation, with training from each of the four areas: biology, chemistry, physical geography/geology, and physics/astronomy. This general, introductory background from the specified courses would be appropriate for conducting science classes in the elementary schools.

MINOR - 24 UNITS

1. BIOLOGY 214 AND AT LEAST 3 ADDITIONAL UNITS FROM BIOLOGY COURSES. BIOLOGY 120 IS RECOMMENDED
2. SELECT AT LEAST 4 UNITS FROM CHEMISTRY COURSES. CHEM 100 IS RECOMMENDED, CHEM 102 WOULD BE ACCEPTABLE.
3. SELECT AT LEAST 4 UNITS FROM PHYSICAL GEOGRAPHY OR GEOLOGY COURSES. EITHER GEOGRPY 210 OR GEOLGY 100 OR GEOLGY 101 IS RECOMMENDED.
4. PHYSCS 210 AND ASTRONMY 114 ARE REQUIRED.
5. ADDITIONAL UNITS TO TOTAL AT LEAST 24 UNITS MUST BE SELECTED FROM COURSES: GEOLGY 204, GEOLGY 205, GEOLOGY 300, GEOLGY 307, PHYSCS 100, PHYSCS 120, OR PHYSCS 240

SOCIAL STUDIES ELEMENTARY EDUCATION MINOR

The Department of Public Instruction has created a license to permit

holders of an elementary license who teach through grade 8 to be issued a regular license to teach Social Studies through grade 9 if they complete the Social Studies minor.

This is a broadfield, social studies minor for students majoring in elementary education. It is intended to insure breadth of social studies preparation, with training from each of several areas: history, psychology, sociology, political science, economics, geography, and anthropology. This general, introductory background from the specified courses would be appropriate for teaching social studies classes in the elementary schools.

MINOR - 30 UNITS

- 9 UNITS: 3 UNITS FROM 3 GROUPS: (A) HISTRY 124 OR HISTRY 125; (B) HISTRY 154 OR HISTRY 155; (C) U.S. HISTORY NUMBERED 300 OR ABOVE; (D) EUROPEAN HISTORY NUMBERED 300 OR ABOVE; (E) AFRICAN, ASIAN, LATIN AMERICAN OR MIDDLE EASTERN HISTORY COURSES
- SELECT 3 UNITS FROM COURSES
PSYCH 104, PSYCH 355, PSYCH 444 OR PSYCH 451
- SELECT 3 UNITS FROM COURSES
SOCIOLOGY 345, SOCIOLOGY 355, SOCIOLOGY 362 OR SOCIOLOGY 455
- SELECT 3 UNITS FROM COURSES
POLISCI 350, POLISCI 351, POLISCI 352, POLISCI 377, POLISCI 457 OR POLISCI 460
- SELECT 3 UNITS FROM ECONOMICS DEPT EXCEPT FOR
ECON 245, ECON 345 AND ECON 461
- SELECT 1 COURSE FROM EACH GROUP
GROUP 1: GEOGRPY 160 OR GEOGRPY 261
GROUP 2: GEOGRPY 340 OR GEOGRPY 344
- SELECT 3 UNITS FROM COURSES IN ANTHROPOLOGY -
ANTHROPL 214 OR ANTHROPL 218 OR ANY 300-400
LEVEL COURSE
- NO MORE THAN 6 UNITS USED TO SATISFY GENERAL
STUDIES MAY BE COUNTED TOWARD THIS MINOR. AT
LEAST 15 UNITS IN THE MINOR MUST BE NUMBERED
300 OR ABOVE.

Either PSYCH 355 or SOCIOLOGY 355 may be counted in fulfilling the requirements, not both.

INDIVIDUALLY DESIGNED MAJOR (BA/BS)

This major is designed to permit you to focus your study on a topic or problem area which falls outside the limits of a conventional major. Each major is individualized. What is deemed appropriate for you may be deemed inappropriate for another student. The purpose of the major is to accommodate an integration of the courses and programs now offered by the University; it is not a means of forming special majors or degrees which the University is not authorized to offer. The Individually Designed Major, leading to the Bachelor of Arts or Bachelor of Science degree, must consist of an approved and coherent pattern of courses taken in more than one department.

OPTION I WITH A MINOR

MAJOR - 33 UNITS

- SELECT 33 UNITS IN CONSULTATION WITH INDIVIDUALIZED MAJOR COMMITTEE. THE MAJOR MAY INCLUDE NO MORE THAN 21 UNITS IN ANY ONE DEPARTMENT AND MUST INCLUDE AT LEAST 7 UNITS IN COURSES NUMBERED 300 OR ABOVE. AN APPROVED MINOR IS REQUIRED FOR THIS MAJOR

OPTION II WITHOUT A MINOR

MAJOR - 54 UNITS

- SELECT 54 UNITS IN CONSULTATION WITH INDIVIDUALIZED MAJOR COMMITTEE. THE MAJOR MAY INCLUDE NO MORE THAN 24 UNITS IN ANY ONE DEPARTMENT AND MUST INCLUDE AT LEAST 27 UNITS IN COURSES NUMBERED 300 OR ABOVE. NO MINOR IS REQUIRED.

Writing Proficiency Requirement: See the Individually Designed Major program chairperson for course(s) that satisfy this requirement.

In either Option I or II of the Individually Designed Major you will choose as an adviser a faculty member whose competence is in the area of your interest. Together with the adviser you will plan the major and submit a detailed outline of the major and a statement of its rationale and goals to the College Committee on Individually Designed Majors for its approval. The proposed major must be approved, with the possibility of subsequent amendment, no later than the beginning of your junior year. Your program of study must be planned and approved in advance of admission to the major. Any changes in your major at a later date will require written permission of the Committee.

Under either Option I or II you may count at most 40 units from any one department for fulfillment of total degree requirements. It is a requirement that over half the units in either option must be in courses numbered 300 or above. At least 50 percent of the units counting toward your major requirements must be earned subsequent to your admission to the major. You may take work outside the College of Letters and Sciences but more than one-half the units in your major must be earned in the College. Primary supervision of the major rests with the Committee on Individually Designed Majors. Inquiries should be directed to: Chairperson, Committee on Individually Designed Majors, College of Letters and Sciences.

INDIVIDUALLY DESIGNED MINOR

MINOR - 24 UNITS

- SELECT 24 UNITS IN CONSULTATION WITH ADVISOR AND DEAN OF COLLEGE OF LETTERS AND SCIENCES
- IF MORE THAN 15 UNITS ARE TO BE TAKEN IN ANY ONE DEPARTMENT OF THE COLLEGE OF L&S THERE MUST BE PRIOR APPROVAL BY BOTH THAT DEPARTMENT AND THE DEPARTMENT OF YOUR MAJOR.

AT LEAST 12 UNITS PROPOSED FOR THE MINOR MUST BE EARNED AFTER THE PLAN HAS BEEN APPROVED. IF MORE THAN 12 UNITS ARE FROM A SINGLE COLLEGE OUTSIDE OF LETTERS & SCIENCES, APPROVAL OF THE DEAN OF THAT COLLEGE IS REQUIRED. NO MORE THAN 9 UNITS FROM THE MAJOR DISCIPLINE(S) MAY BE INCLUDED.

A statement of the content, nature and rationale of your proposed individualized minor must be approved by your major department. The minor should consist primarily of courses above the general survey level. Further, the proposed minor shall be sent to the Office of the Dean of the College of Letters and Sciences for the Dean's approval or referral to the College Curriculum Committee for its approval.

The minor should be prepared early in your college career, preferably before the second term of your junior year. Any substantial subsequent changes in your minor should be approved by your major department and the Dean.

The responsibility for certifying that you have met the requirements of your minor rests with the department of your major, if you are a Letters and Sciences major. For students not Letters and Sciences majors, the responsibility of certifying the completion of the minor on the application

for diploma rests with the College of Letters and Sciences. The signature sheet for the Individualized Minor is available in the Letters and Sciences Office, Salisbury 124.

DEPARTMENT OF BIOLOGICAL SCIENCES

Phone: 262-472-1092 E-Mail: biologsci@uwm.edu

Faculty: Ellen Davis, Bruce Eshelman (Chairperson), Kerry Katovich, Mary Linton, Jeff McKinnon, Peter Mesner, Claudia Olivier, Neil Sawyer, Stephen Solheim, Daryle Waechter-Brulla, Michael Woller.

The study of biology encompasses all of the life sciences and endeavors to enhance your understanding and appreciation of living things. Students with training in the biological sciences will be among those who will contribute much toward solving critical problems facing the world today, such as food shortage, disease, and environmental use. You may design your program of study with the help of an adviser to best meet your particular interests and needs. The Department also has an affiliation agreement with the State Laboratory of Hygiene, UW-Madison, which enables students to complete clinical education in cytotechnology as an emphasis in the Biology major (contact department for details).

PIGEON LAKE FIELD STATION. The University of Wisconsin System sponsors summer programs at the Pigeon Lake Field Station near Drummond in Bayfield county of northwestern Wisconsin. Station offerings include undergraduate and graduate courses in field biology and in mapping and outdoor education. Sessions may vary from two to six weeks in length with a variety of biology courses offered on a rotating basis. Credit earned at the Station is accepted as residence credit at this University. The Field Station is located in a natural outdoor laboratory among the lakes, streams and forests of relatively unspoiled portions of northern Wisconsin. Students are housed in rustic cabins and get their meals in the Station dining hall. PLFS facilities also include three classroom buildings and a recreation hall on land including 1400 feet of shoreline on Pigeon Lake. With access to Lake Superior and the Apostle Islands, the national forest, and adjacent wildlife areas—the Station is ideally located for field studies as well as for recreation.

The several programs offered each summer are publicized by special announcements early in the year. For further details contact the Department of Biological Sciences.

MAJORS/EMPHASES

The student may elect one of seven emphases in the Biological Sciences major:

BIOLOGY - GENERAL (BA/BS)

The General Biology emphasis is designed for biology education majors and for select others who need an extremely broad range of experiences in the biological sciences.

MAJOR - 34 UNITS

1. BIOLOGY 141, BIOLOGY 142 AND BIOLOGY 251
2. BIOLOGY 253, BIOLOGY 257 AND BIOLOGY 375
3. BIOLOGY 390 AND BIOLOGY 400
4. BIOLOGY 345 OR BIOLOGY 353 OR BIOLOGY 317
5. BIOLOGY 340 OR BIOLOGY 341 OR BIOLOGY 351
6. SELECT ADDITIONAL UNITS OF BIOLOGY ELECTIVES EXCEPT FOR COURSES BIOLOGY 110, BIOLOGY 120, BIOLOGY 200, BIOLOGY 214, BIOLOGY 230, BIOLOGY 300, BIOLOGY 303, BIOLOGY 360 TO TOTAL 34 UNITS IN THE MAJOR.

MAJOR - UNIQUE REQ & WRITNG - 15-19 UNITS

1. BIOLOGY 200 OR BIOLOGY 303 RLS
2. CHEM 102 AND CHEM 104 RLS
3. MATH 152 OR MATH 243 OR MATH 250 RLS

AN APPROVED MINOR IS REQUIRED FOR THIS MAJOR

BIOLOGY-CELL/PHYSIOLOGY (BA/BS)

MAJOR - 34 UNITS

1. BIOLOGY 141, BIOLOGY 142 AND BIOLOGY 251
2. BIOLOGY 253, BIOLOGY 257 AND BIOLOGY 311
3. BIOLOGY 390 AND BIOLOGY 400
4. BIOLOGY 345 OR BIOLOGY 353 OR BIOLOGY 317
5. BIOLOGY 340 OR BIOLOGY 341 OR BIOLOGY 351
6. SELECT ADDITIONAL UNITS OF BIOLOGY ELECTIVES EXCEPT FOR COURSES BIOLOGY 110, BIOLOGY 120, BIOLOGY 200, BIOLOGY 214, BIOLOGY 230, BIOLOGY 300, BIOLOGY 303, BIOLOGY 360 TO TOTAL 34 UNITS IN THE MAJOR

MAJOR - UNIQUE REQ & WRITNG - 21-25 UNITS

1. BIOLOGY 200 OR BIOLOGY 303 RLS
2. CHEM 102 AND CHEM 104 RLS
3. CHEM 251 AND CHEM 252 RLS
4. MATH 152 OR MATH 243 OR MATH 250 RLS

AN APPROVED MINOR IS REQUIRED FOR THIS MAJOR

BIOLOGY-CELL/PHYSIOLOGY HONORS (BA/BS)

MAJOR - 75-79 UNITS

1. BIOLOGY 141, BIOLOGY 142 AND BIOLOGY 251
2. BIOLOGY 253, BIOLOGY 254 AND BIOLOGY 311
3. BIOLOGY 390 AND BIOLOGY 400
4. BIOLOGY 340 OR BIOLOGY 341 OR BIOLOGY 351
5. BIOLOGY 345 OR BIOLOGY 317
6. BIOLOGY 446 (STRONGLY RECOMMENDED) OR BIOLOGY 257
7. MATH 243 OR MATH 250 OR MATH 253
8. CHEM 102, CHEM 104, CHEM 251, CHEM 252, CHEM 261, CHEM 262
9. PHYSICS 160, PHYSICS 161, PHYSICS 162, PHYSICS 163
10. BIOLOGY 303 RECOMMENDED CHEM 456
11. BIOLOGY 499 (2 UNITS FIRST TERM, 3 UNITS SECOND TERM)
12. RECOMMENDED: BIOLOGY 493 AND CHEM 456

BIOLOGY-ECOLOGY/FIELD (BA/BS)

MAJOR - 34 UNITS

1. BIOLOGY 141, BIOLOGY 142 AND BIOLOGY 251
2. BIOLOGY 257 AND BIOLOGY 258
3. BIOLOGY 351 OR BIOLOGY 353
4. BIOLOGY 446
5. BIOLOGY 390 AND BIOLOGY 400
6. BIOLOGY 457 OR BIOLOGY 467
7. BIOLOGY 375 OR BIOLOGY 496 WITH PERMISSION OF THE DEPARTMENT CHAIR OR PIGEON LAKE FIELD COURSES WITH PERMISSION OF THE DEPARTMENT CHAIR
8. SELECT ADDITIONAL UNITS OF BIOLOGY ELECTIVES EXCEPT FOR COURSES BIOLOGY 110, BIOLOGY 120, BIOLOGY 200, BIOLOGY 214, BIOLOGY 230, BIOLOGY 303,

172 BIOLOGICAL SCIENCES

TO TOTAL 34 UNITS IN THE MAJOR

MAJOR - UNIQUE REQ & WRITNG - 18-22 UNITS

1. BIOLOGY 303
2. CHEM 102 AND CHEM 104
3. MATH 152 OR MATH 243 OR MATH 250
4. CHEM 251 AND CHEM 252 AND PHYSCS 160, PHYSCS 161, PHYSCS 162 AND PHYSCS 163 ARE RECOMMENDED

AN APPROVED MINOR IS REQUIRED FOR THIS MAJOR

BIOLOGY-ECOLOGY/FIELD HONORS (BA/BS)

MAJOR - 75-79 UNITS

1. BIOLOGY 141, BIOLOGY 142 AND BIOLOGY 251
2. BIOLOGY 257, BIOLOGY 353 AND BIOLOGY 446
3. BIOLOGY 390 AND BIOLOGY 400
4. BIOLOGY 375 OR BIOLOGY 454
5. BIOLOGY 457 OR BIOLOGY 467
6. BIOLOGY 253
RECOMMENDED BIOLOGY 345 OR BIOLOGY 417, BIOLOGY 493
8. MATH 243 OR MATH 250 OR MATH 253
9. CHEM 102, CHEM 104, CHEM 251, CHEM 252, CHEM 261, CHEM 262
10. PHYSCS 160, PHYSCS 161, PHYSCS 162, PHYSCS 163
11. BIOLOGY 303
RECOMMENDED CHEM 456
12. BIOLOGY 499 (2 UNITS FIRST TERM, 3 UNITS SECOND TERM)

BIOLOGY - MARINE BIOLOGY AND FRESHWATER ECOLOGY (BA/BS)

MAJOR - 34 UNITS

1. BIOLOGY 141, BIOLOGY 142 AND BIOLOGY 251
2. BIOLOGY 257 AND BIOLOGY 446
3. BIOLOGY 370
4. BIOLOGY 457 OR BIOLOGY 467
5. BIOLOGY 253
6. BIOLOGY 390, BIOLOGY 400
7. SELECT 5-6 UNITS OF BIOLOGY ELECTIVES EXCEPT FOR COURSES BIOLOGY 110, BIOLOGY 120, BIOLOGY 214, BIOLOGY 230, BIOLOGY 300, BIOLOGY 303, BIOLOGY 360

MAJOR - UNIQUE REQ & WRITNG - 15 UNITS

1. BIOLOGY 303
2. PHYSCS 170
3. MATH 152
4. GEOGRPY 323

MINOR - CHEMISTRY REQUIRED - 25 UNITS

1. CHEM 102, CHEM 104, CHEM 251, CHEM 252, CHEM 261, CHEM 262, CHEM 352

BIOLOGY - BIOTECHNOLOGY EMPHASIS (BA/BS)

MAJOR - 34 UNITS

1. BIOLOGY 141, BIOLOGY 142, AND BIOLOGY 251
2. BIOLOGY 253, BIOLOGY 254 AND BIOLOGY 311
3. BIOLOGY 390 AND BIOLOGY 400
4. BIOLOGY 363 AND BIOLOGY 364

LETTERS AND SCIENCES

5. BIOLOGY 345 OR BIOLOGY 317
6. SELECT ADDITIONAL UNITS OF BIOLOGY ELECTIVES EXCEPT FOR COURSES BIOLOGY 110, BIOLOGY 120, BIOLOGY 200, BIOLOGY 214, BIOLOGY 230, BIOLOGY 303 TO TOTAL 34 UNITS IN THE MAJOR.

MAJOR - UNIQUE REQ & WRITING - 23-27 UNITS

1. BIOLOGY 200 OR BIOLOGY 303
2. CHEM 102 AND CHEM 104
3. CHEM 251 AND CHEM 261 AND CHEM 252
4. MATH 152 OR MATH 243 OR MATH 250

AN APPROVED MINOR IS REQUIRED FOR THIS MAJOR

BIOLOGY-EARLY ENTRANCE PRE-PROFESSIONAL EMPHASIS

Must have 24 or higher Math ACT subscore to qualify for emphasis.

MAJOR - 59-60 UNITS

1. BIOLOGY 141, BIOLOGY 142, BIOLOGY 200, BIOLOGY 251, BIOLOGY 253, AND BIOLOGY 300
2. CHEM 102, CHEM 104, CHEM 251, CHEM 252, CHEM 261 AND CHEM 456
3. MATH 152 AND MATH 253
4. SELECT ONE GROUP:
 - a. PHYSCS 160, PHYSCS 161, PHYSCS 162, PHYSCS 163
OR
 - b. PHYSCS 170, PHYSCS 172, PHYSCS 173, PHYSCS 174, PHYSCS 175
5. STUDENT MUST TRANSFER BACK AN ADDITIONAL 30 UNITS, THAT HAVE BEEN PRE-APPROVED BY THE DEPARTMENT CHAIR, FROM AN APPROVED, ACCREDITED HEALTH PROFESSIONAL SCHOOL TO COMPLETE THE DEGREE.

THE REQUIREMENT OF 15 UNITS TAKEN AT UW-WHITEWATER IMMEDIATELY PRIOR TO GRADUATION WILL BE WAIVED.

BIOLOGY - GENERAL (BSE)

LICENSURE - 40 UNITS

1. SECNDED 466
2. EDFOUND 243 OR EDFOUND 445
3. SELECT 2 UNITS FROM EDFNDPRC 210
4. STUDENT TEACHING
SELECT 2 UNITS FROM CIFLD 402 AND 12 UNITS FROM CIFLD 414 OR SELECT 2 UNITS FROM CIFLD 404 AND 12 UNITS FROM CIFLD 412
5. SECNDED 429
6. BIOLOGY 257 RLS
7. EDFOUND 212 AND EDFOUND 425
8. SELECT 3 UNITS FROM COURSE CIFLD 492
9. SELECT 3 UNITS FROM SPECED 205

MAJOR - 34 UNITS

1. BIOLOGY 141, BIOLOGY 142 AND BIOLOGY 251
2. BIOLOGY 253, BIOLOGY 257 AND BIOLOGY 375
3. BIOLOGY 390 AND BIOLOGY 400
4. BIOLOGY 351 OR BIOLOGY 353 OR BIOLOGY 317
5. BIOLOGY 340 OR BIOLOGY 341 OR BIOLOGY 345
6. SELECT ADDITIONAL UNITS OF BIOLOGY ELECTIVES EXCEPT FOR COURSES BIOLOGY 110, BIOLOGY 120, BIOL-

OGY 200, BIOLOGY 214, BIOLOGY 230, BIOLOGY 300, BIOLOGY 303, BIOLOGY 360 TO TOTAL 34 UNITS IN THE MAJOR.

MAJOR - UNIQUE REQ & WRITNG - 15-19 UNITS

1. BIOLOGY 200 OR BIOLOGY 303 RLS
2. CHEM 102 AND CHEM 104 RLS
3. MATH 152 OR MATH 243 OR MATH 250 RLS

AN APPROVED MINOR IS REQUIRED FOR THIS MAJOR

BIOLOGY-CELL/PHYSIOLOGY (BSE)

LICENSURE - 40 UNITS

1. SECNDED 466
2. EDFOUND 243 OR EDFOUND 445
3. SELECT 2 UNITS FROM EDFNDPRC 210
4. STUDENT TEACHING
SELECT 2 UNITS FROM CIFLD 402 AND 12 UNITS FROM CIFLD 414 OR SELECT 2 UNITS FROM CIFLD 404 AND 12 UNITS FROM CIFLD 412
5. SECNDED 429
6. BIOLOGY 257 RLS
7. EDFOUND 212 AND EDFOUND 425
8. SELECT 3 UNITS FROM COURSE CIFLD 492
9. SELECT 30 UNITS FROM SPECED 205

MAJOR - 34 UNITS

1. BIOLOGY 141, BIOLOGY 142 AND BIOLOGY 251
2. BIOLOGY 253, BIOLOGY 254 AND BIOLOGY 311
3. BIOLOGY 390 AND BIOLOGY 400
4. COMPLETE 1 GROUP FROM THOSE LISTED BELOW:
 - a. SELECT ONE COURSE FROM (BIOLOGY 340 OR BIOLOGY 341 OR BIOLOGY 351) AND ONE COURSE FROM (BIOLOGY 345 OR BIOLOGY 317)
 - b. BIOLOGY 361 AND BIOLOGY 362
5. BIOLOGY 257 OR BIOLOGY 353 OR BIOLOGY 375 OR BIOLOGY 446
6. SELECT ADDITIONAL UNITS OF BIOLOGY ELECTIVES EXCEPT FOR COURSES BIOLOGY 110, BIOLOGY 120, BIOLOGY 200, BIOLOGY 214, BIOLOGY 230, BIOLOGY 300, BIOLOGY 303, BIOLOGY 360 TO TOTAL 34 UNITS IN THE MAJOR.

MAJOR - UNIQUE REQ & WRITNG - 23 UNITS

1. BIOLOGY 200 OR BIOLOGY 303 RLS
2. CHEM 102 AND CHEM 104 RLS
3. CHEM 251 AND CHEM 252 RLS
4. MATH 152 OR MATH 243 OR MATH 250 RLS

AN APPROVED MINOR IS REQUIRED FOR THIS MAJOR

BIOLOGY-ECOLOGY/FIELD (BSE)

LICENSURE - 40 UNITS

1. SECNDED 466
2. EDFOUND 243 OR EDFOUND 445
3. SELECT 2 UNITS FROM EDFNDPRC 210
4. STUDENT TEACHING
SELECT 2 UNITS FROM CIFLD 402 AND 12 UNITS FROM CIFLD 414 OR SELECT 2 UNITS FROM CIFLD 404 AND 12 UNITS FROM CIFLD 412
5. SECNDED 429
6. BIOLOGY 257 RLS

7. EDFOUND 212 AND EDFOUND 425
8. SELECT 3 UNITS FROM COURSE CIFLD 492
9. SELECT 3 UNITS FROM SPECED 205

MAJOR - 34 UNITS

1. BIOLOGY 141, BIOLOGY 142 AND BIOLOGY 251
2. BIOLOGY 257, BIOLOGY 353 AND BIOLOGY 446
3. BIOLOGY 390 AND BIOLOGY 400
4. BIOLOGY 375 OR BIOLOGY 454
5. BIOLOGY 457 OR BIOLOGY 467
6. BIOLOGY 253 OR BIOLOGY 340 OR BIOLOGY 351
7. SELECT ADDITIONAL UNITS OF BIOLOGY ELECTIVES EXCEPT FOR COURSES BIOLOGY 110, BIOLOGY 120, BIOLOGY 200, BIOLOGY 214, BIOLOGY 230, BIOLOGY 300, BIOLOGY 303, BIOLOGY 360 TO TOTAL 34 UNITS IN THE MAJOR.

MAJOR - UNIQUE REQ & WRITNG - 18-22 UNITS

1. BIOLOGY 200 OR BIOLOGY 303 RLS
2. CHEM 102 AND CHEM 104 RLS
3. MATH 152 OR MATH 243 OR MATH 250 RLS
4. MATH 231 OR MATH 342 OR PSYCH 215 OR BIOLOGY 303 RLS

AN APPROVED MINOR IS REQUIRED FOR THIS MAJOR

GENERAL SCIENCE-BROADFIELD BIOLOGY EMPHASIS (BSE)

LICENSURE - 40 UNITS

1. SECNDED 466
2. EDFOUND 243 OR EDFOUND 445
3. SELECT 2 UNITS FROM EDFNDPRC 210
4. STUDENT TEACHING
SELECT 2 UNITS FROM CIFLD 402 AND 12 UNITS FROM CIFLD 414 OR SELECT 2 UNITS FROM CIFLD 404 AND 12 UNITS FROM CIFLD 412
5. SECNDED 429
6. BIOLOGY 257 RLS
7. EDFOUND 212 AND EDFOUND 425
8. SELECT 3 UNITS FROM COURSE CIFLD 492
9. SELECT 3 UNITS FROM SPECED 205

MAJOR - 58 UNITS

1. BIOLOGY 141, BIOLOGY 142 AND BIOLOGY 251
2. SELECT 14 UNITS FROM CHEMISTRY, PHYSICS OR EARTH SCIENCE
(GEOLGY 100, GEOLGY 204, GEOLGY 205, GEOLGY 300, GEOLGY 301, GEOLGY 314 THRU GEOLGY 319, GEOLGY 490 THRU GEOLGY 498, ASTRONMY 112, ASTRONMY 114, GEOGRPY 210, GEOGRPY 310, GEOGRPY 320 AND GEOGRPY 410) OR (CHEM DEPT) OR (PHYSCS)
3. SELECT 10 UNITS FROM EACH OF 2 SCIENCES NOT TAKEN PREVIOUSLY
(GEOLGY 100, GEOLGY 204, GEOLGY 205, GEOLGY 300, GEOLGY 314 THRU GEOLGY 319, GEOLGY 490 THRU GEOLGY 498, ASTRONMY 112, ASTRONMY 114, GEOGRPY 210, GEOGRPY 310, GEOGRPY 320 AND GEOGRPY 400) OR (CHEM DEPT) OR (PHYSCS)
4. SELECT 11 UNITS FROM BIOLOGY IN CONSULTATION WITH ADVISER. THE FOLLOWING COURSES DO NOT APPLY FOR UNITS TOWARD THE MAJOR: BIOLOGY 120, BIOLOGY 200, BIOLOGY 214, BIOLOGY 230, BIOLOGY 300 AND BIOLOGY 303.

MINOR/EMPHASIS

BIOLOGY

MINOR - 22 UNITS

1. BIOLOGY 141, BIOLOGY 142 AND BIOLOGY 251
2. SELECT 10 UNITS FROM BIOLOGY IN CONSULTATION WITH ADVISER. THE FOLLOWING COURSES DO NOT APPLY FOR CREDIT TOWARD THE MINOR: BIOLOGY 120, BIOLOGY 200, BIOLOGY 214 AND BIOLOGY 300.

UNIQUE CHEMISTRY REQUIREMENT - 10 UNITS

1. CHEM 102 AND CHEM 104 RLS

BIOLOGY EDUCATION EMPHASIS

1. BIOLOGY 141 AND BIOLOGY 142
2. BIOLOGY 257
3. CHEM 102
4. BIOLOGY 251 AND BIOLOGY 446

COURSE DESCRIPTIONS

*Field trips may be required for any of the courses.***BIOLOGY 110 BOB: BIOLOGY OF THE BRAIN** GM 3 u

A freshman-level introductory course that will cover broad topics of Scientific Method, Scientific Thinking, and initiate critical thinking skills using the field of neuroscience as the backdrop for investigation. Basic understanding of nerve biology, nerve cell function and communication between nerve cells. The course will climax with a survey of the final product of nerve activity: behavior. Not applicable to Biology Emphases or Biology Minors. Three hours of lecture per week.

Coreq: MATH 140 or MATH 141 or waiver thereof.

BIOLOGY 120 BIOLOGICAL FOUNDATIONS* GL 4 u

A terminal course designed to introduce basic principles of life, such as structure and function, reproduction, evolution, diversity, and adaptation, leading to a broader understanding of man and his biological environment. Not applicable to biology emphases or minors. Three lectures and two hours of laboratory per week.

Coreq: MATH 140 or MATH 141 or equivalent.

BIOLOGY 141 BIOLOGY I: PLANT FOCUS GL 4 u

An introduction to plant life, with emphasis on the basic concepts of structure, function, growth and reproduction. Additional topics will include cell physiology, metabolism, and diversity. Three hours of laboratory and three hours of lecture per week. This course is prerequisite to all advanced courses in biology for majors and minors. Offered every term.

Coreq: MATH 141

BIOLOGY 142 BIOLOGY II: ANIMAL FOCUS GL 4 u

An introduction to animal life with emphasis on evolution, genetics, development, organ systems, ecology, and classification. Dissection of preserved animal specimens is a requirement for all students enrolled. Three hours of laboratory and three hours of lecture per week. This course is prerequisite to all advanced courses in biology. Offered every term.

Prereq: BIOLOGY 141

BIOLOGY 200 WRITING IN BIOLOGY 2 u

This course is designed to develop the written communication skills of Biology students. It satisfies the Writing Proficiency requirement for all Biology majors. The two units do not apply towards the 34 unit major or any 22 unit Biology minor.

Prereq: ENGLISH 102 and BIOLOGY 141 and BIOLOGY 142.

BIOLOGY 214 ECOLOGY AND SOCIETY* GM 3 u

A study of basic ecological concepts and their application to the identification, understanding, and abatement of contemporary environmental problems. Special emphasis is given to those problems resulting from man and his activities. This course is accepted as a course in conservation required for teacher licensure in the sciences. Offered every term.

BIOLOGY 225 SCIENCE OF FORENSIC ANALYSIS 4 u

This is an introduction to the "Science" of Forensic Sciences. Students will understand what forensic science is and more importantly what it is not. Students will develop an understanding of the Forensic scientist's need for different lab skills from different fields of science and develop a "Forensic Mindset".

BIOLOGY 230 HUMAN SEXUALITY* GM 1 u

A study of the biological implications of human sexuality.

BIOLOGY 247 BIOETHICS GM 3 u

This course provides an introduction to the basic science underlying current research in biology, as well critical study of ethical, legal and social issues raised by technological applications of biological research in such fields as medicine, genetic counseling, law, and family planning.

BIOLOGY 251 INTRODUCTION TO GENETICS 4 u

An introduction to the general principles of inheritance; subjects included are basic transmission genetics, molecular genetics, genetic engineering, mutations, and population genetics. Three hours of lecture and three hours of lab per week. Offered every term.

Prereq: BIOLOGY 141, BIOLOGY 142 and CHEM 102. Unreq: BIOLOGY 413.

BIOLOGY 253 INTRODUCTION TO CELL BIOLOGY 3 u

Introduction to the chemical and physical bases of life; bacterial and eukaryotic cell structure and function; cellular respiration; photosynthesis; and molecular biology. Three hours of lecture per week. Offered every term.

Prereq: BIOLOGY 141, BIOLOGY 142, and CHEM 102. Coreq: CHEM 104.

BIOLOGY 254 BIOTECHNOLOGY LABORATORY METHODS I 1 u

Introduction to theory and practice in modern biology labs, including principles of microscopy, photometry, chromatography, centrifugation, electrophoresis, and assay methods. Exercises include basic lab methods and techniques, microscopy, eukaryotic cell culture, and protein analysis. Three hours laboratory per week.

Prereq: BIOLOGY 141, BIOLOGY 142 and CHEM 102

Coreq: BIOLOGY 252 and CHEM 104

BIOLOGY 257 INTRODUCTION TO ECOLOGY 3 u

A survey of ecosystems and animal and plant populations and communities. Topics include review of the Earth's major biomes and the physical factors that influence them, the ecology and evolution of populations, the nature of biotic communities, the structure and function of ecosystems, and the status and protection of biodiversity. Three hours of lecture per week. Optional field trip. Offered every term.

Prereq: BIOLOGY 141 and BIOLOGY 142 with a grade of "C" or better.

Unreq: BIOLOGY 214

BIOLOGY 258 FIELD EXPERIENCE 2 u

Introduction to regional terrestrial and aquatic biological communities and field techniques for studying these communities. Field work and lectures will emphasize recognition of biotic community types, interpretation of their dynamics, and methods for identifying and surveying organisms. Weekend field trip required. Registration priority given to Ecology/Field track majors.

Prereq: BIOLOGY 141 and 142 with a grade of "C" or better. Coreq: BIOLOGY 257

BIOLOGY 303 PLANNING AND PRESENTING BIOLOGICAL RESEARCH 4 u

Students will learn fundamentals of hypothesis formation and testing, experimental design, and to evaluate research methodologies published in the biological literature. Students will write about their own research, and become familiar with the standards for publication of research results. Critical analysis of quantitative methods in biology. Recommended for the Ecology and Field Biology emphasis; strongly encouraged for Cell Biology and Physiology emphasis.

Prereq: BIOLOGY 141 and BIOLOGY 142 with a grade of "C" or better and MATH 141 with a grade of "C" or better.

BIOLOGY 310 BIOLOGY OF AGING 3 u

A study of the biological phenomena associated with aging, including theories and characteristics of aging, changes in body functions and behavior modifications of physical and physiological changes.

Prereq: BIOLOGY 120 or BIOLOGY 142 or consent of instructor. A course in Human Anatomy and Physiology and Chemistry is desirable but not necessary.

BIOLOGY 311 MICROBIOLOGY 4 u

Examination of organisms too small to be seen by the unaided eye, ranging from their molecular organization to their role in global ecology. Primary emphasis will be the study of bacteria and viruses, their beneficial or detrimental impacts on humans, animals, and plants, and their current and potential exploitation. Two lectures and two labs per week. Offered every term.

Prereq: BIOLOGY 141, BIOLOGY 142, BIOLOGY 251, BIOLOGY 253, CHEM 102 and CHEM 104; all with a grade of "C" or better. Recommended corequisite CHEM 251.

BIOLOGY 317 PLANT PHYSIOLOGY 3 u

Organized around the growth of plants stressing the living processes. The laboratory emphasizes nutrition, growth, hormones, water relations, photosynthesis, respiration and bioassay techniques.

Prereq: BIOLOGY 141 and BIOLOGY 142 with a grade of "C" or better or equivalents.

BIOLOGY 327/527 PLANT PATHOLOGY 3u

A study of all major groups of plant pathogenic organisms, including viruses, bacteria, phytoplasmas, fungi, nematodes, insects. The course will focus on the molecular aspects of Plant Pathology, which revolutionized our understanding of host-pathogen interactions, taxonomy and the use of genetically modified crops with inherent pathogen protection. Two lectures and two hours of lab per week.

Prereq: BIOLOGY 141 and BIOLOGY 142

BIOLOGY 340 COMPARATIVE VERTEBRATE ANATOMY 4 u

Dissection and study of vertebrate types emphasizing characteristic structures, general relationships, comparative anatomy, and the significance of adaptation and evolution. Laboratory work, lectures and quizzes. Offered every fall.

Prereq: BIOLOGY 141 and BIOLOGY 142 with a grade of "C" or better.

BIOLOGY 341 ANIMAL DEVELOPMENT 4 u

A study of reproductive cycles, gametogenesis and fertilization; the establishment of tissues, organs and systems. Introduction to embryological experimental techniques and procedures for study of frog, chick, and pig. Laboratory, lecture and quizzes.

Prereq: BIOLOGY 251 and BIOLOGY 253 with a grade of "C" or better or equivalents.

BIOLOGY 345 ANIMAL PHYSIOLOGY 4 u

A study of the functional mechanisms that underlie the life processes in animals. Six hours of laboratory and lecture per week. Offered every spring.

Prereq: BIOLOGY 253 with a grade of "C" or better or equivalents.

BIOLOGY 351 THE PLANT KINGDOM 3 u

A study of the major groups of plants with emphasis on structure, reproduction, classification and evolution.

Prereq: BIOLOGY 141 and BIOLOGY 142 with a grade of "C" or better or equivalents.

BIOLOGY 353 PLANT TAXONOMY 3 u

The principles of plant classification and identification, with emphasis on flowering plants of this region. Lectures, laboratories and field trips.

Prereq: BIOLOGY 141 and BIOLOGY 142 with a grade of "C" or better or cons instr.

BIOLOGY 354 FIELD BOTANY 3 u

A study of the identification and ecology of flowering plants, conifers and ferns. Emphasis will be given to the plants and plant communities in the vicinity of the course location. A collection of local plants is required of all students. Field trips required.

Prereq: BIOLOGY 141 or an equivalent introductory botany course or consent of instructor.

BIOLOGY 361 HUMAN ANATOMY AND PHYSIOLOGY I 4 u

A study of the structure and function of the human body at the level of organs and systems. This course covers the following topics: Anatomical Structure, Basic Histology, Bones, Muscles, and Nervous System. Three hours of lecture and three hours of laboratory per week. Offered every fall term.

Prereq: BIOLOGY 120 or BIOLOGY 141 and BIOLOGY 142 all with a grade of "C" or better or consent of instructor.

BIOLOGY 362 HUMAN ANATOMY AND PHYSIOLOGY II 4 u

A study of the structure and function of the human body at the level of organs and systems. This is the second term course of a two term sequence. This course represents coverage of the following topics: Endocrinology, Circulatory System, Cardiac System, Lymphatic System, Respiration, Digestion and Metabolism, Renal, and Reproduction and Development. Three hours of lecture and three hours of laboratory per week. Offered every spring term.

Prereq: BIOLOGY 361 with a grade of "C" or better or consent of instructor.

BIOLOGY 363 MOLECULAR BIOLOGY 3 u

Discussion of modern molecular methods and approaches used in cellular and genomic analysis of prokaryotes and eukaryotes. Special emphasis will be given to high throughput genomic analysis tools and molecular approaches targeted towards understanding of basic cellular mechanisms, processes involved in the regulation of gene expression, gene evolution, and host pathogen interactions in plants, animals and humans. Three hours of lecture per week. 3 credits, lecture only course.

Prereq: BIOLOGY 251 AND BIOLOGY 253 with a grade of "C" or better

Coreq: CHEM 251

BIOLOGY 364 BIOTECHNOLOGY LABORATORY METHODS II 1 u

Introduction to the theory, techniques, and practices employed in modern molecular biotechnology labs. Concepts/techniques covered will include basic lab and instrumentation skills, nucleic acid isolation, purification, and quantitation, DNA cloning and manipulation methods, polymerase chain reaction (PCR), gel electrophoretic analysis of nucleic acids, nucleic acid blotting, and introduction to bioinformatic analysis. Three hours of laboratory per week.

Prereq: BIOLOGY 251, 253 AND 254 all with a grade of "C" or better
Coreq: BIOLOGY 363 AND CHEM 251

BIOLOGY 370 AQUATIC BIOLOGY**3 u**

The study of aquatic environment, its fauna, flora and general ecology. The laboratory will emphasize the taxonomic study of aquatic organisms.

Prereq: BIOLOGY 257 and CHEM 102 with a grade of "C" or better or equivalents.

BIOLOGY 375 INVERTEBRATE ZOOLOGY**3 u**

A comprehensive study of the structure, physiology, natural history and significance of the major groups of invertebrate animals. Five hours of laboratory and lecture per week.

Prereq: BIOLOGY 141 and BIOLOGY 142 with a grade of "C" or better or equivalents.

BIOLOGY 390/590 BIOLOGY COLLOQUIUM**.5 u**

Lecturer on current research and career opportunities in biology through the colloquium format. Required of Biology majors offered on a satisfactory/no credit basis every term. May not be taken concurrently with Senior Colloquium.

Prereq: Biology 141, Biology 142 and Sophomore standing or higher.

BIOLOGY 400 SENIOR BIOLOGY COLLOQUIUM**.5 u**

Continuation of Biological Sciences BIOLOGY 390. Lectures on current research and career opportunities in biology through the colloquium format. Required of Biology majors. Offered on a satisfactory/no credit basis only. Offered every term. May not be taken concurrently with Biological Sciences BIOLOGY 390.

Prereq: Biology 141, Biology 142 and Senior standing.

BIOLOGY 412 IMMUNOLOGY**2 u**

Immunity to infectious diseases related to changes in the constituents of the blood is explored. Transplantation of tissues, allergies, and autoimmune diseases are discussed. One hour of lecture and two hours of laboratory per week.

Prereq: BIOLOGY 251 and BIOLOGY 253 with a grade of "C" or better or equivalents.

BIOLOGY 415 ENDOCRINOLOGY**3 u**

A study of the hormonal regulation of metabolism, growth and reproduction. This course is a survey of endocrine and neuroendocrine mechanisms in humans and higher vertebrates. Two hours of lecture, two hours of laboratory per week.

Prereq: BIOLOGY 253 with a grade of "C" or better

BIOLOGY 422 ORNITHOLOGY**3 u**

Laboratory and field study of bird classification, evolution, anatomy, physiology, behavior, ecology, distribution and life histories. Field identification of resident and migrant Wisconsin birds is emphasized. Off-campus field trips. Four hours of lecture and laboratory.

Prereq: BIOLOGY 257 with a grade of "C" or better or equivalent.

BIOLOGY 423 MAMMALOLOGY**3 u**

The evolution, classification, morphology, biogeography, ecology, and natural history of mammals of the world. Laboratory emphasis will be on Wisconsin mammals. Four hours of lecture and laboratory per week. Required field trips.

Prereq: BIOLOGY 257 with a grade of "C" or better or equivalent.

BIOLOGY 430 ANIMAL BEHAVIOR**3 u**

Behavior of animals as individuals and groups, including study of causation, development, integration, evolution and adaptive value of behavior patterns. Lecture and laboratory.

Prereq: Junior standing and one of the following: BIOLOGY 142 with a grade of "C" or better or BIOLOGY 120 with a grade of "B" or better and permission of the instructor or PSYCH 211 with a grade of "C" or better and permission of the instructor.

BIOLOGY 444 CELL BIOLOGY**3 u**

Advanced topics in eukaryotic cellular structure, regulation, and function, with particular focus on cell growth, synthesis and transport of biomolecules, intra- and intercellular signals, cell differentiation, and cell motility. Laboratory

exercises will include protein analysis, cell manipulation, cytochemistry, and transmission electron microscopy. Four hours of lecture and laboratory per week.

Prereq: BIOLOGY 251, BIOLOGY 253, and CHEM 251 all with a grade of "C" or better.

BIOLOGY 446 ORGANIC EVOLUTION**3 u**

History of evolutionary thought, evidences of evolution and analysis of evolutionary mechanisms and processes.

Prereq: BIOLOGY 251 with a grade of "C" or better.

BIOLOGY 453 ANIMAL HISTOLOGY**3 u**

A study of the minute structure of animal tissues by examination of materials prepared for the light microscope supplemented by micrographs showing details revealed with electron microscopy. Emphasis on human microscopic anatomy. Four hours of laboratory and lecture per week.

Prereq: BIOLOGY 253 or equivalent.

BIOLOGY 454 VERTEBRATE FIELD BIOLOGY**3 u**

A study of the classification, distribution, ecology and life histories of the vertebrates. Special emphasis is given to the vertebrates of Wisconsin. A collection of local vertebrates will be required. Four hours of laboratory and lecture per week. Field trips.

Prereq: BIOLOGY 257 with a grade of "C" or better or equivalent.

BIOLOGY 457 GENERAL ECOLOGY**4 u**

A study of biotic populations and communities and natural ecosystems. Contemporary ecological theory and techniques will be emphasized. Laboratory exercises will include field studies, laboratory experiments, and computer simulations and analysis. Six hours of lecture or laboratory per week.

Prereq: BIOLOGY 251 or equivalent; BIOLOGY 257 or equivalent; BIOLOGY 303 or equivalent; MATH 231 or MATH 342 or PSYCH 215 or equivalent all with a grade of "C" or better.

BIOLOGY 467 CONSERVATION BIOLOGY**3 u**

A study of the application of modern principles of ecology, genetics and evolution to the preservation of natural communities and their constituent organisms. Topics covered include causes and consequences of rarity of organisms, population viability analysis, preservation of genetic diversity, island biogeography, fragmentation and edge effects, and both *in situ* and *ex situ* measures for the protection of biodiversity. Three hours of lecture per week.

Prereq: BIOLOGY 251, BIOLOGY 257, MATH 231 or MATH 442 or PSYCH 215 or equivalent statistics all with a grade of "C" or better.

BIOLOGY 490/690 BIOLOGY WORKSHOP**1-3 u**

Repeatable. Prereq: Consent of instructor.

BIOLOGY 491/691 TRAVEL STUDY *Repeatable***1-3 u****BIOLOGY 492/692 LABORATORY TEACHING****1 u****EXPERIENCE**

This course provides teaching experience at the college level for undergraduate students. Undergraduate teaching experience students will assist faculty members in preparing, delivering, and tearing down laboratory or discussion section instructional units in biology courses, conducting review sessions, and tutoring students under the direct supervision of a faculty mentor. S/NC only.

Prereq: Grade of B or better in the assigned course and a GPA of 3.0 or better. Approval of a faculty mentor and the Biological Sciences Department.

BIOLOGY 493 INTERNSHIP IN BIOLOGY*Repeatable***1-12 u**

S/NC grade basis only.

BIOLOGY 494/694 SEMINAR**1 u**

Repeatable two times for a maximum of 2 units in degree.

Prereq: 16 hours of biology including botany and zoology.

BIOLOGY 496/696 SPECIAL STUDIES 1-3 u

Repeatable for a maximum of 3 units in major.

BIOLOGY 497 EXCHANGE STUDY *Repeatable* 1-12 u

BIOLOGY 498 INDEPENDENT STUDY 1-3 u

Repeatable for a maximum of 6 units in major.

Prereq: BIOLOGY 141, BIOLOGY 142, and a 2.75 grade point average in biology.

BIOLOGY 499 BIOLOGY THESIS 2-3 u

A substantial research project written in the form of a thesis. The thesis will require an oral defense normally to take place at the end of the spring term of the senior year. This course should be available for senior students in a Biology Honors Emphasis only.

Prereq: Senior standing

*Not applicable to major or minor in liberal arts or secondary education.

INTEGRATED SCIENCE-BUSINESS

MAJOR

INTEGRATED SCIENCE - BUSINESS (BS)

BUSINESS REQUIREMENTS - 30 UNITS

1. ACCOUNT 244 AND ECON 245 AND MANGEMNT 211
2. ACCOUNT 249 OR ACCOUNT 341 OR ACCOUNT 342
3. MANGEMNT 301 AND MANGEMNT 306
4. FNBSLW 341 AND FNBSLW 344 AND MARKETNG 311
5. BSEDCNA 353

MAJOR - 42-52 UNITS

1. SELECT 6 UNITS OF UPPER DIVISION BUSINESS COURSES FROM ONE OF THE FOLLOWING AREAS: ACCOUNTING, BUSINESS EDUCATION AND OFFICE SYSTEMS, ECONOMICS, FINANCE AND BUSINESS LAW, MANAGEMENT, MANAGEMENT COMPUTER SYSTEMS OR MARKETING.
2. SELECT 15-20 UNITS FROM AT LEAST TWO OR MORE OF THE FOLLOWING AREAS:
 - a. BIOLOGY 141, BIOLOGY 142
 - b. CHEM 102, CHEM 104
 - c. GEOLGY 100
 - d. PHYSCS 160 OR PHYSCS 162 OR PHYSCS 170 OR PHYSCS 172 OR PHYSCS 173
 - e. ANY BIOLOGY, CHEMISTRY, GEOLOGY, OR PHYSICS COURSE WHICH HAS ONE OF THE ABOVE AS A PREREQUISITE OR IS AN ADVANCED MAJORS COURSE. (STUDENTS TAKING PHYSICS COURSES, AS PART OF THE SCIENCE CORE OR SCIENCE EMPHASIS, THAT REQUIRE MATH 254 AS A PREREQUISITE MAY USE MATH 254 AS PART OF THEIR SCIENCE CORE 20 UNIT REQUIREMENT.)
3. SELECT 12-17 UNITS, ALL FROM AT MOST TWO OF THE SCIENCE AREAS: BIOLOGY, CHEMISTRY, GEOLOGY, PHYSICS.
4. SCIBUS 481 INTEGRATED SCIENCE MANAGEMENT
5. SCIBUS 485 INTEGRATED SCIENCE-BUSINESS SENIOR PROJECT
6. SCIBUS 493 SCIENCE-BUSINESS INTERNSHIP

DEGREE - UNIQUE REQ

1. ECON 201, ECON 202
2. MATH 152
3. MATH 250 OR MATH 253

COURSE DESCRIPTIONS

SCIBUS 481 INTEGRATED SCIENCE MANAGEMENT 3 u

A study of how scientists and business managers work together during various stages in the design, manufacture and marketing of technologically related products and services. Case analysis of companies that have and have not successfully balanced the role of scientific principles in product design with cost efficient manufacturing and competitive marketing strategies.

Prereq: Senior status and completion of an SBIM internship and senior project or permission of instructor.

SCIBUS 485 INTEGRATED SCIENCE-BUSINESS SENIOR PROJECT 3 u

Students will design a senior project in consultation with a pair of faculty, one from science, the other from management, along with a Project Review Panel made-up of other faculty and representatives from the scientific/business community.

Prereq: Senior status and completion of an SBIM internship

SCIBUS 493 SCIENCE-BUSINESS INTERNSHIP 3 u

The internship is a required course for which students receive credit for work experience outside the university setting. With the assistance of an SBIM advisor, a student will establish an agreement with a laboratory, company, or other appropriate organization concerning the job description and hours.

Prereq: Junior or Senior standing with at least 30 units toward the major and GPA of at least 2.5.

DEPARTMENT OF CHEMISTRY

Phone: 262-472-1070

E-Mail: chemistry@uwm.edu

Faculty: Kathryn Asala, Steven Anderson, Baocheng Han, Sarah Hosseini, Philip Johns (Chairperson), Hephzibah Kumpaty, Richard Schraufnagel, Hassimi Traore.

Chemistry is the science concerned with the composition, properties, and changes of the substances of nature including the familiar solids, liquids and gases of the physical world as well as the less familiar components of all living systems. The primary objective of the courses in the Department of Chemistry is to provide a sound background in the basic fundamentals and techniques of chemistry in order to insure success in the professional career of the graduate whether it be as a chemist, a member of any of the health sciences, or a member of the other physical or natural sciences. A secondary objective is to provide both science and non-science students with an insight into the influence of chemistry on daily living. The taking of assessment tests and the Departmental Exit Interview are requirements for graduation.

MAJORS/EMPHASES

The Chemistry Department offers four options for chemistry majors.

1. The Bachelor of Science regular option chemistry major is designed for students who desire a general education in chemistry as a background for careers in many fields such as polymer science, environmental analysis, industrial chemistry, materials science, various fields related to the medical sciences, etc. This consists of 35 units distributed among the major fields of chemistry and requires a minor.
2. The Professional - ACS-approved option is offered for those students

who wish to pursue a more intensive program in chemistry approved by the American Chemical Society. This option is particularly recommended for students who intend to go to graduate school or work in the chemical industry. It consists of 50 units of chemistry.

3. The Chemistry (BSE) option is designed for prospective secondary school teachers.
4. The Broadfield (BSE) option is designed for prospective middle school teachers.

CHEMISTRY - LIBERAL ARTS (BA/BS)

MAJOR - 35 UNITS

1. CHEM 102, CHEM 104, CHEM 251, CHEM 252, CHEM 261, CHEM 262, CHEM 352, CHEM 370, CHEM 371, CHEM 470, CHEM 471 and CHEM 484

SPECIAL MAJOR REQUIREMENT - 7 UNITS

1. MATH 255 AND PHYSCS 174 RLS

AN APPROVED MINOR IS REQUIRED FOR THIS MAJOR

CHEMISTRY - PROFESSIONAL ACS APPROVED (BA/BS)

MAJOR - 57 UNITS

1. CHEM 102, CHEM 104, CHEM 251, CHEM 252, CHEM 261, CHEM 262, CHEM 352, CHEM 370, CHEM 371, CHEM 456, CHEM 460, CHEM 470, CHEM 471, CHEM 480, CHEM 484, PHYSCS 174 AND MATH 255
2. SELECT 3 UNITS FROM CHEMISTRY COURSES AT 400 LEVEL OR AN APPROVED MATHEMATICS OR PHYSICS COURSE.
3. PERIODIC ASSESSMENTS TESTS AND THE DEPARTMENTAL EXIT INTERVIEW

NO MINOR IS REQUIRED FOR THIS MAJOR

CHEMISTRY (BSE)

LICENSURE - 40 UNITS

1. SECNDED 466
2. EDFOUND 243 OR EDFOUND 445
3. SELECT 2 UNITS FROM CIFLD 210
4. STUDENT TEACHING
SELECT 2 UNITS FROM CIFLD 402 AND 12 UNITS FROM CIFLD 414 OR SELECT 2 UNITS FROM CIFLD 404 AND 12 UNITS FROM CIFLD 412
5. SECNDED 429
6. GEOGRPY 252 (GS) OR BIOLOGY 214 (GM) RLS
7. EDFOUND 212 AND EDFOUND 425
8. SELECT 3 UNITS FROM COURSE CIFLD 492
9. SELECT 3 UNITS FROM SPECED 205

MAJOR - 34 UNITS

1. CHEM 102, CHEM 104, CHEM 251, CHEM 252, CHEM 261, CHEM 262, CHEM 352, CHEM 370 AND CHEM 371
2. SELECT 3 UNITS FROM CHEMISTRY

SPECIAL MAJOR REQUIREMENT - 7 UNITS

1. MATH 255 AND PHYSCS 174 RLS

WRITING - 3 UNITS

1. ENGLISH 372 RLS

AN APPROVED MINOR IS REQUIRED FOR THIS MAJOR

GENERAL SCIENCE - BROADFIELD CHEMISTRY EMPHASIS (BSE)

LICENSURE - 40 UNITS

1. SECNDED 466
2. EDFOUND 243 OR EDFOUND 445
3. SELECT 2 UNITS FROM CIFLD 210
4. STUDENT TEACHING
SELECT 2 UNITS FROM CIFLD 402 AND 12 UNITS FROM CIFLD 414 OR SELECT 2 UNITS FROM CIFLD 404 AND 12 UNITS FROM CIFLD 412
5. SECNDED 429
6. GEOGRPY 252 (GS) OR BIOLOGY 214 (GM) RLS
7. EDFOUND 212 AND EDFOUND 425
8. SELECT 3 UNITS FROM COURSE CIFLD 492
9. SELECT 3 UNITS FROM SPECED 205

MAJOR - 58 UNITS

1. SELECT 24 UNITS FROM CHEMISTRY
2. SELECT 14 UNITS FROM BIOLOGY, PHYSICS OR EARTH SCIENCE (GEOLOGY 100, GEOLOGY 204, GEOLOGY 205, GEOLOGY 300, GEOLOGY 301, GEOLOGY 314 THRU GEOLOGY 319, GEOLOGY 490 THRU GEOLOGY 498, ASTRONOMY 112, ASTRONOMY 114, GEOGRPY 210, GEOGRPY 310 AND GEOGRPY 320) OR (BIOLOGY DEPT) OR (PHYSCS)
3. SELECT 10 UNITS FROM EACH OF 2 SCIENCES NOT TAKEN PREVIOUSLY (GEOLOGY 100, GEOLOGY 204, GEOLOGY 205, GEOLOGY 300, GEOLOGY 314 THRU GEOLOGY 319, GEOLOGY 490 THRU GEOLOGY 498, GEOGRPY 210, GEOGRPY 310, GEOGRPY 320, PHYSCS 114 AND ASTRONOMY 112) OR (BIOLOGY DEPT) OR (PHYSCS)

WRITING - 3 UNITS

1. ENGLISH 372 RLS

MINOR

CHEMISTRY

MINOR - 25 UNITS

1. CHEM 102, CHEM 104, CHEM 251, CHEM 252, CHEM 261, CHEM 352
2. SELECT 1 COURSE FROM CHEMISTRY AT THE 200 LEVEL OR HIGHER (EXCLUDING CHEM 498)

COURSE DESCRIPTIONS

CHEM 100 CHEMISTRY FOR THE CONSUMER *GL* 4 u

A critical examination of those chemical products which have a significant impact upon the daily life of the consumer. Attention will be focused from the consumer viewpoint upon food additives, prescription and non-prescription drugs, fuels, pesticides, detergents, synthetic fibers and plastics. Meets General Studies laboratory science requirements. Coreq: MATH 140 or MATH 141 or consent of instructor.

CHEM 102 INTRODUCTORY CHEMISTRY *GL* 5 u

An introduction to the general concepts of chemistry including matter and energy, atomic and molecular structure, bonding, reactions and stoichiometry, gas laws, changes of state, thermochemistry, acid-base theory, solutions, colloids, kinetics, equilibria and electrochemistry. Prereq: MATH 141 with a grade of C or better or waiver thereof.

CHEM 104 INTRODUCTORY CHEMISTRY *GL* 5 u

A continuation of CHEM 102. Prereq: CHEM 102.

CHEM 150 SCIENCE AND TECHNOLOGY IN SOCIETY *GM* 3 u

This course examines basic scientific concepts, technological advances, and their impact upon society. Science processes will be examined to illustrate how knowledge is acquired. Advantages and limitations of the scientific method will be considered. The effect of science and technology on society will be a continuing theme. May not be taken on a satisfactory/no credit grade basis.

Coreq: MATH 141 or MATH 140. Unreq: LSINDP 105.

CHEM 251 ORGANIC CHEMISTRY 3 u

Introductory chemistry of the compounds of carbon, their structures and reactions. Three hours of lecture per week.

Prereq: CHEM 104.

CHEM 252 ORGANIC CHEMISTRY 3 u

A continuation of CHEM 251. Three hours of lecture per week.

Prereq: CHEM 251.

CHEM 261 ORGANIC CHEMISTRY LABORATORY 2 u

Basic organic manipulative techniques and simpler syntheses are considered. Spectroscopic topics are introduced. Generally taken concurrently with CHEM 251. Two three-hour laboratories per week.

Coreq: CHEM 251.

CHEM 262 ORGANIC CHEMISTRY LABORATORY 2 u

A continuation of CHEM 261. Includes more advanced synthetic work and spectroscopic techniques. Generally taken concurrently with CHEM 252. Two three-hour laboratories per week.

Prereq: CHEM 261, CHEM 252 or con reg in CHEM 252.

CHEM 352 QUANTITATIVE ANALYSIS 5 u

An introduction to volumetric, gravimetric and photometric techniques and fundamental methods of instrumental analysis. Three one-hour lectures and two three-hour laboratory periods per week.

Prereq: CHEM 104.

CHEM 370 PHYSICAL CHEMISTRY 3 u

A course in the fundamentals of physical chemistry.

Prereq: CHEM 352. Coreq: MATH 255 and PHYSCS 174.

CHEM 371 PHYSICAL CHEMISTRY 3 u

A continuation of CHEM 370.

Prereq: CHEM 370.

CHEM 455/655 ADVANCED ORGANIC CHEMISTRY 3 u

Lectures on advanced topics in organic chemistry.

Prereq: CHEM 252 and cons instr.

CHEM 456 BIOCHEMISTRY 3 u

An introduction to the chemistry of biological systems. The compounds of living organisms, i.e., vitamins, enzymes, proteins, carbohydrates, lipids and nucleic acids, are studied. Intermediary metabolism and biological control are introduced.

Prereq: CHEM 252 or cons instr.

CHEM 460 ADVANCED INORGANIC CHEMISTRY 4 u

Atomic and molecular structures, chemical bonding and periodic properties of the elements. Synthesis, characterization and structures of the compounds involving both representative and transition elements, organometallic and bioinorganic compounds and their applications. Group theory and bonding theories.

Prereq: CHEM 252, CHEM 261 and CHEM 352.

Coreq: CHEM 371 or consent of instructor.

CHEM 470 EXPERIMENTAL PHYSICAL CHEMISTRY 2 u

A laboratory course in experimental physical chemistry. Experiments from various areas of physical chemistry will be performed. Four hours of laboratory per week.

Coreq: CHEM 370.

CHEM 471 EXPERIMENTAL PHYSICAL CHEMISTRY 2 u

A continuation of CHEM 470. Four hours of laboratory per week.

Prereq: CHEM 470 and either CHEM 371 or con reg in CHEM 371.

CHEM 480 INSTRUMENTAL METHODS OF ANALYSIS 4 u

A survey of optical and electrometric determinations, separation methods and basic instrumentation as applied to chemical analysis. Two one-hour lectures and two three-hour laboratory periods per week.

Prereq: CHEM 252, CHEM 352.

CHEM 484 TOPICS IN CHEMISTRY .5-1 u

A course where students will use chemical and scientific literature, introduction to the seminar concept, participation in studies and discussion of current developments in chemistry. The student will review a topic and present that topic orally and in writing. This course may not be used as part of the Chemistry minor.

Prereq: Junior/Senior standing and consent of instructor.

CHEM 490/690 WORKSHOP 1-4 u

Repeatable two times for a maximum of 8 units in degree.

CHEM 494 CHEMISTRY SEMINAR 0-1 u

Repeatable for a maximum of 2 units in major. Units in this course may not be used to fulfill minor requirements in Chemistry.

Prereq: Consent of instructor.

CHEM 496/696 SPECIAL STUDIES 1-3 u

Repeatable two times for a maximum 6 units in degree.

CHEM 497 EXCHANGE STUDY *Repeatable* 1-12 u**CHEM 498 INDEPENDENT STUDY IN CHEMISTRY** 1-3 u

Repeatable for a maximum of 6 units in major/degree. Units in this course may not be used to fulfill minor requirements in Chemistry.

Prereq: Cons instr.

DEPARTMENT OF ECONOMICS

Phone: 262-472-1361

E-Mail: economics@mail.uwm.edu

Refer to the College of Business and Economics for complete information on the Department. Only the requirements for the BA/BS major and the L&S minor are listed here.

MAJOR**ECONOMICS (BA/BS)**

Students in the College of Letters and Sciences are required to have:

1. a minimum overall GPA of 2.0.
2. a minimum grade point of 2.0 in their major.

MAJOR - 27 UNITS & 2.00 GPA

1. ECON 201 (GS), ECON 245, ECON 404, ECON 301 AND ECON 302
2. SELECT 12 ELECTIVE UNITS (300 AND 400) IN ECONOMICS

UNIQUE MAJOR AND WRITING REQ. - 9-11 UNITS

1. ECON 202 (GS) AND BSEDCNA 353 RLS
2. MATH 243 (GM) OR MATH 250 (GM) RLS

AN APPROVED MINOR IS REQUIRED FOR THIS MAJOR

MINOR/EMPHASIS

ECONOMICS - L&S EMPHASIS

MINOR - 21 UNITS

1. ECON 201(GS) AND ECON 202 (GS)
2. SELECT 15 UNITS FROM ECONOMICS NUMBERED ECON 240 OR HIGHER. IF YOU ARE A BBA STUDENT, THE ECON COURSES APPLIED TO YOUR DEGREE REQUIREMENTS WILL NOT BE LISTED HERE BUT THEY CAN BE APPLIED TO THE MINOR; CHECK WITH THE ECON DEPT FOR INFORMATION.

DEPARTMENT OF GEOGRAPHY AND GEOLOGY

Phone: 262-472-1071

E-Mail: geography@umn.edu

Faculty: Howard Botts, David Goldblum, Peter Jacobs, Thomas Jeffery, Margo Kleinfeld, John Patterson, Donald Rambadt, Carol Rosen, David Travis (Chairperson).

Phone: 262-472-1071

E-Mail: geology@mail.umn.edu

Faculty: Rex Hanger (Coordinator)

GEOGRAPHY

Geography is the discipline that studies where and why physical and human phenomena, such as cities, crime, poverty, pollution, landforms, climate, and various resources, are distributed as they are. Geographers also develop ideas and recommend how different policies and relocations of phenomena, such as health care facilities, political boundaries, waste disposal sites, public service agencies, and business firms might better serve humans and their environment.

The four traditions in geography suggest the broad range of interests addressed within the discipline and the discipline's bridging role between the natural and social sciences. These traditions are: 1) the earth science tradition or physical geography; 2) the human-land tradition devoted to investigating the interactions between human and physical phenomena; 3) the regional-international tradition which involves the study of world regions and international trends and relationships; and, 4) the spatial analysis tradition which stresses systematic and technical training for analyzing topics, problems and plans at various geographic scales, ranging from global to regional to an individual city or neighborhood. Despite the wide-ranging subject matter in the discipline, students can pursue six different tracks in the major that more effectively address their intellectual interests and career plans. These tracks or emphases listed below are: 1) General, 2) Geology, 3) International/Regional, 4) Physical/Environmental, 5) Techniques and 6) Urban/Area Development.

Owing to the primary locational concern of the discipline, many geography graduates have found employment in public and private organizations engaged in location analysis, transportation planning, urban and regional planning, real estate development, resource management and local, state and federal government positions, in addition to positions in teaching. Geographic Information Systems (GIS) skills are of growing importance to the discipline and prepare students for various careers in business, the public sector and graduate school. Fischer Scholarships are available

each term for students enrolled in a College of Education program and majoring or minoring in geography and selected geography majors actively involved in teaching other students. Interested students should contact the Department of Geography.

MAJORS/EMPHASES

GEOGRAPHY GENERAL (BA/BS)

MAJOR - 34 UNITS

1. GEOGRPY 100, GEOGRPY 210, GEOGRPY 230 AND GEOGRPY 270
2. GEOGRPY 480
3. SELECT 3 UNITS FROM REGIONAL COURSES GEOGRPY 362, GEOGRPY 364, GEOGRPY 365, GEOGRPY 368 AND GEOGRPY 491
4. SELECT 6 UNITS FROM SYSTEMATIC COURSES GEOGRPY 300, GEOGRPY 310, GEOGRPY 320, GEOGRPY 323, GEOGRPY 330, GEOGRPY 332, GEOGRPY 334, GEOGRPY 337, GEOGRPY 340, GEOGRPY 344, GEOGRPY 350, GEOGRPY 430 AND GEOGRPY 452
5. SELECT 3 UNITS FROM TECHNICAL COURSES GEOGRPY 290, GEOGRPY 370, GEOGRPY 377, GEOGRPY 440, GEOGRPY 460, AND GEOGRPY 470
6. SELECT 3 UNITS FROM 300-400 LEVEL GEOGRAPHY COURSES
7. SELECT 3 UNITS FROM THE GEOGRAPHY DEPARTMENT

MAJOR - WRITING REQUIREMENT (3 UNITS)

1. ENGLISH 370 OR ENGLISH 372 PRIOR TO ENROLLING IN GEOGRPY 480

AN APPROVED MINOR IS REQUIRED FOR THIS MAJOR

GEOGRAPHY GEOLOGY EMPHASIS (BA/BS)

MAJOR - 35 UNITS

1. GEOGRPY 100
2. GEOGRPY 210 OR GEOLGY 100 OR GEOLGY 101
3. GEOGRPY 230, GEOGRPY 270, GEOGRPY 370 AND GEOGRPY 480
4. GEOLGY 204, GEOLGY 317, GEOLGY 496 (OR GEOLGY 315 AND GEOLGY 316) AND GEOLGY 318
5. SELECT AT LEAST 3 UNITS FROM COURSES GEOGRPY 300, GEOGRPY 310, GEOLGY 205, GEOLGY 300, GEOLGY 301, GEOLGY 307, GEOLGY 319, GEOLGY 492 OR GEOLGY 498

MAJOR - WRITING REQUIREMENT (3 UNITS)

1. ENGLISH 372 OR ENGLISH 370 PRIOR TO ENROLLING IN GEOGRPY 480

AN APPROVED MINOR IS REQUIRED FOR THIS MAJOR

UNIQUE TRAINING RECOMMENDATIONS:

1. Students who plan to become professional geologists MUST complete the Physical Science minor including the following courses and MATH 254: MATH 253, PHYSCS 170 THRU 175 or PHYSCS 160 THRU 163, CHEM 102 AND CHEM 104.
2. Students who plan to become professional geologists should complete a 5 unit or more summer geology field school approved by the geology coordinator after completion of GEOLGY 315,

GEOLOGY 316 and GEOLOGY 318.

3. Those students interested in a career in paleontology should complete BIOLOGY 141 AND BIOLOGY 142.

GEOGRAPHY INTERNATIONAL/REGIONAL (BA/BS)

MAJOR - 34 UNITS

1. GEOGRPY 100, GEOGRPY 210, GEOGRPY 230 AND GEOGRPY 270
2. GEOGRPY 480
3. SELECT 9 UNITS FROM REGIONAL COURSES
GEOGRPY 261, GEOGRPY 362, GEOGRPY 363, GEOGRPY 364, GEOGRPY 365, GEOGRPY 366, GEOGRPY 368, GEOGRPY 485, GEOGRPY 491 AND GEOGRPY 492
4. SELECT 6 ELECTIVE UNITS FROM COURSES
GEOGRPY 332, GEOGRPY 334, GEOGRPY 340, GEOGRPY 452
5. SELECT 3 ELECTIVE UNITS FROM GEOGRAPHY COURSES (CAN INCLUDE THOSE LISTED ABOVE)

MAJOR - WRITING REQUIREMENT (3 UNITS)

1. ENGLISH 370 OR ENGLISH 372 PRIOR TO ENROLLING IN GEOGRPY 480

AN APPROVED MINOR IS REQUIRED FOR THIS MAJOR

GEOGRAPHY PHYSICAL/ENVIRONMENTAL (BS)

MAJOR - 34 UNITS

1. GEOGRPY 100, GEOGRPY 210 AND GEOGRPY 270
2. GEOGRPY 230 OR GEOGRPY 252
3. GEOGRPY 480
4. SELECT 6-9 ELECTIVE UNITS FROM PHYSICAL SYSTEMS COURSES GEOGRPY 300, GEOGRPY 310, GEOGRPY 320, GEOGRPY 330
5. SELECT 6-9 ELECTIVE UNITS FROM ENVIRONMENTAL SYSTEMS COURSES GEOGRPY 323, GEOGRPY 337, GEOGRPY 352, GEOGRPY 420, GEOGRPY 435, GEOGRPY 452, OPTIONAL COURSES (MAXIMUM 3 UNITS)
GEOLOGY 301 OR BIOLOGY 257
6. SELECT 3-6 UNITS FROM TECHNIQUES COURSES
GEOGRPY 290, GEOGRPY 370, GEOGRPY 377, GEOGRPY 450, GEOGRPY 460, GEOGRPY 470 AND APPROVED GEOGRPY 496

MAJOR - WRITING REQUIREMENT (3 UNITS)

1. ENGLISH 370 OR ENGLISH 372 PRIOR TO ENROLLING IN GEOGRPY 480

AN APPROVED MINOR IS REQUIRED FOR THIS MAJOR

GEOGRAPHY TECHNIQUES (BA/BS)

MAJOR - 34 UNITS

1. GEOGRPY 100, GEOGRPY 210, GEOGRPY 230 AND GEOGRPY 270
2. GEOGRPY 480
3. SELECT 9 UNITS FROM COURSES
GEOGRPY 290, GEOGRPY 370 AND GEOGRPY 377
4. SELECT 6 UNITS FROM ADVANCED TECHNIQUES COURSES GEOGRPY 440, GEOGRPY 460, GEOGRPY

470, GEOGRPY 485, APPROVED GEOGRPY 496

5. SELECT 3 ELECTIVE UNITS FROM ANY 300 OR 400 LEVEL GEOGRAPHY COURSES

MAJOR - WRITING REQUIREMENT (3 UNITS)

1. ENGLISH 370 OR ENGLISH 372 PRIOR TO ENROLLING IN GEOGRPY 480

AN APPROVED MINOR IS REQUIRED FOR THIS MAJOR

GEOGRAPHY URBAN / SUBURBAN (BA/BS)

MAJOR - 34 UNITS

1. GEOGRPY 100, GEOGRPY 210, GEOGRPY 230, GEOGRPY 270
2. GEOGRPY 480
3. 3 UNITS OF URBAN/SUBURBAN TRACK CORE: GEOGRPY 344
4. SELECT 6-9 UNITS FROM URBAN TRACK: GEOGRPY 334, GEOGRPY 340, GEOGRPY 444
5. SELECT 6-9 UNITS FROM GEOGRAPHY TECHNICAL COURSES GEOGRPY 290, GEOGRPY 370, GEOGRPY 377, GEOGRPY 440/640, AND GEOGRPY 470
6. SELECT 0-3 UNITS FROM OF 300 OR 400 LEVEL COURSES FROM THE GEOGRAPHY DEPARTMENT

MAJOR - WRITING REQUIREMENT (3 UNITS)

1. ENGLISH 372 PRIOR TO ENROLLING IN GEOGRPY 480

AN APPROVED MINOR IS REQUIRED FOR THIS MAJOR

GEOGRAPHY (BSE)

LICENSURE - 42-43 UNITS

1. EDFOUND 212, EDFOUND 425 AND SECNDED 466
2. EDFOUND 243 OR EDFOUND 445
3. SELECT 2 UNITS FROM CIFLD 210
4. STUDENT TEACHING
SELECT 2 UNITS FROM CIFLD 402 AND 12 UNITS FROM CIFLD 414 OR SELECT 2 UNITS FROM CIFLD 404 AND 12 UNITS FROM CIFLD 412
5. SECNDED 430
6. GEOGRPY 252 (GS) OR BIOLOGY 214 (GM) RLS
7. ECON 213 OR ECON 324 RLS
8. SELECT 3 UNITS FROM COURSE CIFLD 492
9. SELECT 3 UNITS FROM SPECED 205

MAJOR - 34 UNITS

1. GEOGRPY 210, GEOGRPY 230, GEOGRPY 250, GEOGRPY 270 AND GEOGRPY 340
2. SELECT 3 UNITS FROM REGIONAL COURSES
GEOGRPY 362, GEOGRPY 363, GEOGRPY 364, GEOGRPY 365, GEOGRPY 366, GEOGRPY 368
3. GEOGRPY 480
4. SELECT 9 UNITS FROM GEOGRAPHY IN CONSULTATION WITH ADVISER

AN APPROVED MINOR IS REQUIRED FOR THIS MAJOR

GENERAL SCIENCE-BROADFIELD EARTH SCIENCE EMPHASIS (BSE)

LICENSURE - 40 UNITS

1. EDFOUND 212, EDFOUND 425 AND SECNDED 466

2. EDFOUND 243 OR EDFOUND 445
3. SELECT 2 UNITS FROM CIFLD 210
4. STUDENT TEACHING
SELECT 2 UNITS FROM CIFLD 402 AND 12 UNITS FROM CIFLD 414 OR SELECT 2 UNITS FROM CIFLD 404 AND 12 UNITS FROM CIFLD 412
5. SECNDED 429
6. GEOGRPY 252 (GS) OR BIOLOGY 214 (GM) RLS
7. SELECT 3 UNITS FROM COURSE CIFLD 492
8. SELECT 3 UNITS FROM SPECED 205

MAJOR - 58 UNITS

1. SELECT 24 UNITS FROM EARTH SCIENCE COURSES FROM PHYSICAL GEOGRAPHY, GEOLOGY AND ASTRONOMY: GEOLGY 100, GEOLGY 204, GEOLGY 205, GEOLGY 300, GEOLGY 301, GEOLGY 314 THRU GEOLGY 319, GEOLGY 490 THRU GEOLGY 498, ASTRONMY 112, ASTRONMY 114, GEOGRPY 210, GEOGRPY 310, GEOGRPY 320 OR GEOGRPY 410
2. SELECT 14 UNITS FROM CHEMISTRY OR BIOLOGY OR PHYSICS
3. CHOOSE 2 GROUPS FROM THOSE LISTED BELOW:
 - a. SELECT 10 UNITS FROM BIOLOGY DEPT
 - b. SELECT 10 UNITS FROM CHEMISTRY DEPT
 - c. SELECT 10 UNITS FROM PHYSCS DEPT

SOCIAL STUDIES-BROADFIELD GEOGRAPHY I EMPHASIS (BSE)

LICENSURE - 42-43 UNITS

1. SECNDED 466
2. EDFOUND 243 OR EDFOUND 445
3. SELECT 2 UNITS FROM CIFLD 210
4. STUDENT TEACHING
SELECT 2 UNITS FROM CIFLD 402 AND 12 UNITS FROM CIFLD 414 OR SELECT 2 UNITS FROM CIFLD 404 AND 12 UNITS FROM CIFLD 412
5. SECNDED 430
6. GEOGRPY 252 (GS) OR BIOLOGY 214 (GM) RLS
7. ECON 213 OR ECON 324 RLS
8. EDFOUND 212 AND EDFOUND 425
9. SELECT 3 UNITS FROM COURSE CIFLD 492
10. SELECT 3 UNITS FROM SPECED 205

MAJOR - 54 UNITS

1. GEOGRPY 210, GEOGRPY 230, GEOGRPY 270 AND GEOGRPY 480
2. SELECT 3 UNITS FROM REGIONAL COURSES: GEOGRPY 362, GEOGRPY 363, GEOGRPY 364, GEOGRPY 365, GEOGRPY 366, GEOGRPY 368
3. SELECT 20 UNITS FROM DEPTS OF ANTHROPOLOGY, ECONOMICS, HISTORY, POLITICAL SCIENCE, PSYCHOLOGY AND SOCIOLOGY (AT LEAST 2 DEPTS ARE REQUIRED)
4. SELECT 15 UNITS FROM GEOGRAPHY IN CONSULTATION WITH ADVISER

SOCIAL STUDIES-BROADFIELD GEOGRAPHY II EMPHASIS (BSE)

LICENSURE - 42-43 UNITS

1. SECNDED 466
2. EDFOUND 243 OR EDFOUND 445

3. SELECT 2 UNITS FROM CIFLD 210
4. STUDENT TEACHING
SELECT 2 UNITS FROM CIFLD 402 AND 12 UNITS FROM CIFLD 414 OR SELECT 2 UNITS FROM CIFLD 404 AND 12 UNITS FROM CIFLD 412
5. SECNDED 430
6. GEOGRPY 252 (GS) OR BIOLOGY 214 (GM) RLS
7. ECON 213 OR ECON 324 RLS
8. EDFOUND 212 AND EDFOUND 425
9. SELECT 3 UNITS FROM COURSE CIFLD 492
10. SELECT 3 UNITS FROM SPECED 205

MAJOR - 54 UNITS

1. GEOGRPY 210, GEOGRPY 230 AND GEOGRPY 270
2. SELECT 3 UNITS FROM REGIONAL COURSES: GEOGRPY 362, GEOGRPY 363, GEOGRPY 364, GEOGRPY 365, GEOGRPY 366, GEOGRPY 368
3. SELECT 32 UNITS IN 3 OTHER SOCIAL SCIENCES ANTHROPOLOGY, ECONOMICS, HISTORY, POLITICAL SCIENCE, PSYCHOLOGY AND SOCIOLOGY
4. SELECT 6 UNITS FROM GEOGRAPHY COURSES

15 units Add-on for Geography Licensure (for Holders of the Broadfield Social Studies License, 701). 15 term units of upper level or graduate courses. At least 6 units of topical courses: to include GEOGRPY 332, GEOGRPY 334, GEOGRPY 337/537, GEOGRPY 340, GEOGRPY 344 and GEOGRPY 430. At least 3 units of regional courses: to include GEOGRPY 362, GEOGRPY 363, GEOGRPY 364, GEOGRPY 365, GEOGRPY 366 and GEOGRPY 368. Courses to be completed within five years of the date when the additional licensure is requested and at least 9 units must be earned at Whitewater.

Writing Proficiency Requirement for each degree: See chairperson for course(s) that satisfy this requirement.

MINORS/EMPHASIS**ENVIRONMENTAL STUDIES**

MINOR 24 UNITS

1. BIOLOGY 214, GEOGRPY 252
2. SELECT 6-9 UNITS FROM COURSES: BIOLOGY 467, CHEM 102, GEOGRPY 300, GEOGRPY 323, GEOGRPY 352, GEOGRPY 420, GEOGRPY 435, GEOLGY 300 AND GEOLGY 301
3. SELECT 3-6 UNITS FROM COURSES ECON 471, GEOGRPY 452, HISTORY 190, PHILSPHY 248, SAFETY 420, SOCIOLOGY 319 AND SOCIOLOGY 362
4. SELECT 6-9 UNITS FROM COURSES BIOLOGY 303, ENGLISH 372, GEOGRPY 290, GEOGRPY 377, GEOGRPY 460, GEOGRPY 470, MATH 230, MATH 231 AND INTERNSHIP IN ENVIRONMENTAL STUDIES (1-3 UNITS FROM ANY APPROPRIATE DEPT.)

This interdisciplinary minor combines information from a wide range of courses, all of which focus on some aspect of environmental studies. Participating departments and programs include Biological Sciences, Chemistry, Economics, Geography and Geology, History, Languages and Literatures, Mathematics, Safety Studies and Sociology. Upon completion, the student will have gained knowledge about many aspects of present-day environmental issues including 1) the natural processes of environmental systems, 2) the social and economic influences on the environment and the regulatory controls enacted to protect both the environment and human

health, and 3) the techniques currently being used to study environmental problems. The minor, in combination with their selected major, is suitable to prepare students for possible careers related to the study of the environment or future graduate study.

GEOGRAPHY

MINOR - 23 UNITS

1. GEOGRPY 210, GEOGRPY 230 AND GEOGRPY 270
2. SELECT 3 UNITS FROM REGIONAL COURSES
GEOGRPY 362, GEOGRPY 363, GEOGRPY 364, GEOGRPY 365, GEOGRPY 366 AND GEOGRPY 368
3. SELECT 3 UNITS FROM SYSTEMATIC COURSES
GEOGRPY 320, GEOGRPY 323, GEOGRPY 332, GEOGRPY 334, GEOGRPY 337, GEOGRPY 340, GEOGRPY 344 AND GEOGRPY 350
4. SELECT 6 UNITS FROM GEOGRAPHY COURSES.
AT LEAST 3 UNITS MUST BE 300 OR 400 LEVEL.

GEOGRAPHY ELEMENTARY EDUCATION EMPHASIS

MINOR - 23 UNITS

1. GEOGRPY 210, GEOGRPY 230, GEOGRPY 250 AND GEOGRPY 275
2. SELECT 3 UNITS FROM REGIONAL COURSES
GEOGRPY 261, GEOGRPY 362, GEOGRPY 363, GEOGRPY 364, GEOGRPY 365, GEOGRPY 366 AND GEOGRPY 368
3. SELECT 3 UNITS FROM SYSTEMATIC COURSES
GEOGRPY 320, GEOGRPY 323, GEOGRPY 332, GEOGRPY 334, GEOGRPY 337, GEOGRPY 340, GEOGRPY 344 AND GEOGRPY 350
4. SELECT 3 ELECTIVE UNITS FROM GEOGRAPHY COURSES

GEOLOGY

MINOR - 23 UNITS

1. GEOLGY 100 OR GEOLGY 101, GEOLGY 204 2. SELECT A MINIMUM 16 UNITS FROM COURSES
GEOLGY 205, GEOGRPY 300, GEOLGY 310 AND ANY 300 LEVEL OR ABOVE GEOLOGY COURSE

GIS

MINOR - 24 UNITS

1. GEOGRPY 270, GEOGRPY 290, GEOGRPY 370 AND GEOGRPY 377
2. 12 UNITS REQUIRED FROM 1 EMPHASIS (EITHER A OR B)
 - A. URBAN-ECONOMIC EMPHASIS
 1. SELECT 6 UNITS FROM SYSTEMATIC COURSES: GEOGRPY 332, GEOGRPY 334, GEOGRPY 340, GEOGRPY 344, GEOGRPY 444
 2. GEOGRPY 440, GEOGRPY 470
 - OR
 - B. PHYSICAL-ENVIRONMENTAL EMPASIS
 1. SELECT 6 UNITS FROM SYSTEMATIC COURSES: GEOGRPY 300, GEOLOGY 301, GEOGRPY 323, GEOGRPY 330, GEOGRPY 352, GEOGRPY 420, GEOGRPY 435
 2. GEOGRPY 460, GEOGRPY 470

URBAN & AREA DEVELOPMENT

MINOR - 24 UNITS

1. 12 CORE UNITS FROM AT LEAST THREE DISCIPLINES FROM COURSES: ECON 438, FNBSLW 348, FNBSLW 457, GEOGRPY 340, GEOGRPY 344, GEOGRPY 444, POLISCI 344, POLISCI 446 AND SOCIOLOGY 352
2. 12 ELECTIVE UNITS MUST BE DETERMINED IN CONSULTATION WITH ADVISER.
3. NO MORE THAN 12 UNITS OF CORE AND ELECTIVES ANY SINGLE DEPARTMENT

Administered by the Department of Geography and Geology, the minor consists of 24 units drawn from several departments in the College of Letters and Sciences and College of Business and Economics. A core curriculum of 15 required units and 9 units of electives is required. Students interested in this minor should contact the Chair of the Geography Department or Coordinator of the Urban and Area Development Minor Program.

COURSE DESCRIPTIONS

Note: Field trips may be required for any of the courses. Although few geography classes require prerequisites, a general studies geography course is recommended before attempting advanced courses. Students with little background in geography should consult the appropriate instructor before registering for upper division courses.

GEOGRPY 100 INTRODUCTION TO GEOGRAPHY 1 u

Introduction to Geography introduces students to the specialties within geography, outlines the academic tracks within the major and associated requirements, and explores public and private career opportunities in the field of geography. Required of all majors at earliest opportunity. Prereq: Must be a declared Geography major.

GEOGRPY 210 PHYSICAL GEOGRAPHY *GL* 5 u

A study of selected physical aspects of our geographic environment. Emphasis is given to the origin and characteristic features of topographic, climatic, vegetative and soil regions of the earth and to their interrelationships. The ultimate objective is to provide a foundation upon which to build a better understanding of human interrelationships with the physical environment. Field trips are normally taken.

Coreq: MATH 141

GEOGRPY 230 HUMAN GEOGRAPHY 3 u

A systematic study of human land relationships highlighting the diversity of the elements that make up the cultural landscape in various regions.

GEOGRPY 250 GEOGRAPHY OF WISCONSIN *GS* 3 u

A systematic treatment of physical and cultural geographic phenomena. Emphasis is placed on the interrelationships and interactions of these phenomena from place to place within the state.

GEOGRPY 252 HUMAN ENVIRONMENTAL PROBLEMS *GS* 3 u

An introduction to environmental problems and their complexities. Attention is given to alternative solutions to such problems and the implications these alternatives have for the total environment. The course emphasizes the evaluation of the interrelationships between the environmental resource demands of people and the actual resource base of the earth.

GEOGRPY 261 GEOGRAPHY OF CANADA AND THE UNITED STATES OF AMERICA *GS* 3 u

A regional survey of the United States and Canada. Special attention is given to the physical, cultural and economic geography of the two countries.

GEOGRPY 270 INTRODUCTION TO MAPPING 3 u

An introduction to the quantitative and qualitative mapping techniques applicable to the physical and social sciences. Included are the skills

required to create clear, concise and aesthetically pleasing maps, as well as how to derive information from them. Both graphic and cartographic software packages will be utilized to create and evaluate maps. Field trips are normally taken.

GEOGRPY 290 SPATIAL ANALYSIS 3 u

An introduction to the presentation and interpretation of data, use of descriptive statistics and measures of spatial patterns, introduction to statistical inference and measures of association, with particular reference to geographic examples. Students will become proficient in using computers to achieve these skills.

Prereq: MATH 143

GEOGRPY 300 SOIL SCIENCE 3 u

Soil science deals with the systematic description, analysis, and understanding of soils and how they interact with and drive environmental processes and ecosystems. This course will examine the properties, formation, classification, and distribution of soil, stressing the connections between environmental controls on their formation and distribution. Field trips required.

Prereq: GEOGRPY 210 or GEOLGY 100

GEOGRPY 310 GEOMORPHOLOGY (LANDFORMS) 3 u

A study of topographic landscapes and their evolution. Two hours per week of lecture and map study. Field trips are normally taken.

Prereq: GEOGRPY 210 or GEOLGY 100 or consent of instructor.

GEOGRPY 320/520 METEOROLOGY AND CLIMATE 3 u

Begins with fundamental relationships among earth, sun and air. Common myths concerning weather phenomena are dispelled through in-depth explanation in everyday language of the physical laws that govern atmospheric functioning. The course terminates with a survey of world climate regions.

Prereq: GEOGRPY 210 or consent of instructor.

GEOGRPY 323/523 WATER RESOURCES 3 u

Class will investigate of the pathways and processes of water transfer and storage in the many reservoirs on earth, along with the impact of human activities on water quality and fluxes. Detail is given to shallow groundwater monitoring and soil indicators of saturation for wetland delineation, anthropogenic effects on streams, and land use issues related to water quality. Field trips normally taken.

Prereq: GEOGRPY 210 or GEOLGY 100 or GEOLGY 101 or BIOLOGY 142 or consent of instructor.

GEOGRPY 330 BIOGEOGRAPHY 3 u

This course provides an introduction to biogeography, the study of distributions of organisms. This course will combine both historical and ecological perspectives in analyzing plant and animal distributions. Human impacts on biotic distributions will also be discussed in some detail.

Prereq: GEOGRPY 210 or BIOLOGY 120

GEOGRPY 332 POLITICAL GEOGRAPHY 3 u

A geographical study of international conflicts and relations, geopolitical strategies and processes, and the variation of political phenomena from place to place in relation to changing economic and cultural environments in the national as well as global contexts.

Prereq: GEOGRPY 230 or junior standing or consent of instructor.

GEOGRPY 334 HISTORICAL GEOGRAPHY 3 u

An analysis of the evolution of the geographic patterns of population and human activities in major United States regions.

Prereq: GEOGRPY 230 or junior standing or consent of instructor.

GEOGRPY 336 WOMEN IN ASIA: ENVIRONMENT, WORK, AND DEVELOPMENT 3 u

This course will focus on understanding broad cultural/global issues and gender relations in three regions of Asia: East, Southeast, and South. The course will focus on theoretical explanations, demographic, employment,

environmental, and socio-cultural processes and how these influence gender issues.

Prereq: GENED 140 OR GEOGRPY 230 OR SOCIOLOGY 290 OR SOCIOLOGY 385

GEOGRPY 337/537 RECREATION REGIONS AND SYSTEMS 3 u

Initial segments of the course focus upon an evaluation of spatial elements of the recreation phenomenon and the development of recreation areas for the express purpose of providing a background for subsequent analysis of existing recreation plans and formulation of a conceptual framework for the development of future recreation regions. Field trips are normally taken.

Prereq: GEOGRPY 230 or junior standing or consent of instructor.

GEOGRPY 340 ECONOMIC GEOGRAPHY 3 u

The study of the spatial organization of economic activities, including patterns of production, exchange and consumption. A broad introduction to locational behavior is presented and applied examples are stressed.

Prereq: GEOGRPY 230 or junior standing or consent of instructor.

GEOGRPY 344 URBAN GEOGRAPHY 3 u

The intraurban consideration of various land-use and population characteristics of cities, their patterns, interrelations and changes is followed by the interurban study of locations, size, spacing, types and functions of urban settlements. Field trips are normally taken.

Prereq: GEOGRPY 230 or junior standing or consent of instructor.

GEOGRPY 346 GLOBALIZATION AND THE CITY 3 u

This course will focus on understanding the processes of globalization, urban and regional development theories, emergence of the global city, and influence of globalization on urban development. This course will examine the role of cities across the world and the relationship between urban change and economic, political, and cultural globalization.

Prereq: GEOGRPY 230

GEOGRPY 352 GEOHAZARDS 3 u

The course will focus on the physical processes that create environmental hazards (e.g. earthquakes, volcanoes, severe weather), the primary controls on their frequency and intensity, and how human decision-making can influence the magnitude of impact that they have when they inevitably occur. Comparisons are made between impacts of hazards on developing versus developed countries.

Prereq: GEOGRPY 210 OR GEOLGY 100 OR GEOLGY 101 OR an approved equivalent lab course from another discipline.

GEOGRPY 362 GEOGRAPHY OF EUROPE 3 u

A study of the nations, regions, cultures, and traditional and emerging spatial relationships in Europe. Physical and cultural patterns and processes are considered as they relate to the distribution of population and industrial and commercial activities. The European Community and Europe's international role and linkages are investigated.

Prereq: GENED 140 or GEOGRPY 230 or junior standing or consent of instructor.

GEOGRPY 363 GEOGRAPHY OF SOUTH AMERICA 3 u

A study of countries south of the Caribbean with emphasis on their natural resources and economic activities. Considerable attention will be given to problems of cooperation among the Americas.

Prereq: GENED 140 or GEOGRPY 230 or junior standing or consent of instructor.

GEOGRPY 364 GEOGRAPHY OF ASIA 3 u

A study of the interrelations between the natural environment and the economic, political and cultural activities and changes in Asia exclusive of the former Soviet Union.

Prereq: GENED 140 or GEOGRPY 230 or junior standing or consent of instructor.

GEOGRPY 365 GEOGRAPHY OF MIDDLE AMERICA 3 u

A study of the activities of the peoples of Mexico, Central America, and the West Indies, their problems in relation to their natural environment, and their problems as a transitional area between two large continents.

Prereq: GENED 140 or GEOGRPY 230 or junior standing or consent of instructor.

**GEOGRPY 368 GEOGRAPHY OF RUSSIA AND THE 3 u
NEWLY INDEPENDENT STATES**

Spatial analyses of physical and cultural phenomena are dealt with topically as well as regionally. Current development projects are given special emphasis.

Prereq: GENED 140 or GEOGRPY 230 or junior standing or consent of instructor.

**GEOGRPY 370 GEOGRAPHIC INFORMATION 3 u
SYSTEMS**

The basic principles and operations of geographic information systems (GIS) are presented, including the capture, storage, management, analysis and display of geographic referenced data and their attributes. Laboratory exercises provide extensive hands-on experiences with a number of GIS software packages, including both raster and vector systems. Field trips are normally taken.

Prereq: GEOGRPY 270 or consent of instructor.

**GEOGRPY 377/577 REMOTE SENSING OF THE 3 u
ENVIRONMENT**

An introduction to the images, sensors and techniques used to gather and process data on the Earth and other planets, including aerial photography, electro-optical scanners and radar systems. The course will focus on the fundamentals of utilizing remotely sensed data in studying both natural and human induced processes impacting the Earth's surface. Computer applications will be extensively utilized. Field trips are normally taken.

Prereq: GEOGRPY 210 or consent of the instructor.

**GEOGRPY 410/610 PHYSIOGRAPHY OF NORTH 3 u
AMERICA**

A study of the structure, development and interpretation of the landforms in each of the physiographic regions of the United States, Canada and Mexico. Field trips are normally taken.

Prereq: GEOGRPY 210 or GEOGRPY 310 or consent of instructor.

**GEOGRPY 420/620 HUMAN AND CLIMATE 3 u
INTERACTIONS**

The course objective is to distinguish between natural climate change and change induced by human activities. Topics covered include human modifications to cloud cover, global warming, and ozone problems. Another emphasis is to better understand the impacts of severe weather on human activities and the potential threats of future climate change. At least one field trip is usually taken.

Prereq: GEOGRPY 320 or consent of instructor.

**GEOGRPY 430 GEOGRAPHY OF RACE *Diversity* 3 u
& ETHNICITY IN THE UNITED STATES**

The course will take a geographical approach to the study of ethnic groups in the United States. Native American, African American, Hispanic American, and Asian American groups will be studied systematically. Major topics will include mobility, culture regions, and the cultural landscape created by the various ethnic groups.

Prereq: GEOGRPY 230 or GEOGRPY 261 or GEOGRPY 344 or Junior standing.

GEOGRPY 435/635 FOREST GEOGRAPHY 3 u

This course introduces the field of forest geography, emphasizing the quantitative description of spatial and temporal patterns of forest change at multiple scales. Both natural and human forest processes are considered as well as the interaction between humans and forested environments. Theories and methods will be used to understand forest processes, using examples from around the world.

Prereq: GEOGRPY 210 or GEOGRPY 330 or BIOLOGY 141 or consent of instructor.

**GEOGRPY 440/640 APPLIED GIS: APPLICATIONS 3 u
FOR BUSINESS AND INDUSTRY**

This course will provide the background necessary to apply Geographic Information Systems software to solve applied business problems. The specific educational objectives of this course are: 1) To provide the student with "hands on" problem solving skills emphasizing, site location, target marketing, sales territory development and network routing; 2) To work with the most widely used Business GIS software package, ArcView GIS and its major extensions.

Prereq: GEOGRPY 270, GEOGRPY 370 and GEOGRPY 340 or consent of instructor.

GEOGRPY 444/644 URBAN LAND USE PLANNING 3 u

A study of the historical, social and political framework of the urban land planning process with primary emphasis on the United States. Exposure to professional planning approaches and techniques and a critical analysis of plans and planners are stressed. Field trips are normally taken.

Prereq: GEOGRPY 344 or SOCIOLOGY 352 or POLISCI 446 or ECON 438 or consent of instructor.

**GEOGRPY 450 ADVANCED METHODS IN PHYSICAL 4 u
GEOGRAPHY**

Advanced Methods in Physical Geography focuses on data collection and analysis techniques used by physical geographers. Students will conduct an integrated analysis of a local landscape, including site selection, sample collection, lab analysis, and data assimilation and interpretation for report writing. Roughly one-half of course is taught outdoors, regardless of weather. Four consecutive hours per week.

Prereq: GEOGRPY 300 or GEOGRPY 310 or GEOLGY 301/501

**GEOGRPY 452/652 CULTURAL ECOLOGY AND 3 u
SUSTAINABLE DEVELOPMENT**

This course will discuss the history of the subdiscipline of cultural ecology within geography and teach about indigenous and traditional societies' knowledge systems from a variety of world cultures. It will use ancient and modern examples of indigenous methods of natural resource management and show how these are being applied internationally to present day environmental problems and to sustainable development approaches.

Prereq: GEOGRPY 230 or GEOGRPY 252 or consent of instructor.

**GEOGRPY 460/660 APPLIED GIS IN PHYSICAL 3 u
GEOGRAPHY**

The course focuses on the use of GIS to better understand the physical processes shaping the earth's surface and characteristics of the atmosphere. Because physical geography covers such a broad range of topics, it will be necessary to review the physical processes associated with each (e.g. landform formation, biogeography, patterns of severe weather, etc.) before applying GIS. Thus, the course combines traditional lecture style format with weekly meetings in departmental computer labs equipped with the latest GIS software. Grading is heavily based on completion of labs on time and quality of GIS outputs.

Prereq: GEOGRPY 210 and GEOGRPY 370

**GEOGRPY 470/670 APPLIED ENVIRONMENTAL 3 u
AND NATURAL RESOURCE GIS**

This course will provide the knowledge and skills necessary to utilize GIS for solving applied environmental analysis problems. Specifically, the course is designed to 1) identify and resolve environmental and natural resource problems in terms of spatial analysis, 2) explore a conceptual understanding of GIS, 3) provide students with technical instruction in current GIS software.

Prereq: GEOGRPY 270 and GEOGRPY 370 or consent of instructor.

GEOGRPY 480 APPLIED RESEARCH METHODS 4 u

A survey of new and traditional methods used in geographic studies; and the application of a variety of these methods in the collection, classification and analysis of data for assigned problems, culminating in individual research reports. Field trips are normally taken. This course fulfills department's writing competency requirement.

Prereq: GEOGRPY 210 and GEOGRPY 230 and GEOGRPY 270 and ENGLISH 370 or ENGLISH 372.

GEOGRPY 485 INTERNSHIP IN GEOGRAPHY 3-12 u
Students will be placed in an outside private or governmental agency where they will utilize geographic techniques in approaching practical problems relevant to the agency's mission. An on-campus seminar with fellow interns and the supervisory instructor is required. Prereq: Students with a major or minor program emphasis in geography must have completed a minimum of 14 units in geography and have the consent of the intern committee. Students of cognate majors must have a minimum of 9 selected units in geography and consent of the intern committee.
Repeatable for a maximum of 6 units in major and 12 units in degree.

GEOGRPY 490/690 WORKSHOP 1-8 u
Repeatable. Prereq: Consent of instructor.

GEOGRPY 491 TRAVEL STUDY *Repeatable* 1-3 u

GEOGRPY 492 FIELD COURSE 4-6 u
An introduction to field methods and techniques and their application in the study of a part of the United States or a foreign area. For information about a particular offering, write to the Department of Geography and Geology, University of Wisconsin-Whitewater. Repeatable.
Prereq: Consent of instructor.

GEOGRPY 494 SEMINAR 1-3 u
Repeatable one time for a maximum of 6 units in major/degree.

GEOGRPY 496/696 SPECIAL STUDIES 1-3 u
Repeatable one time for a maximum of 6 units in major/degree.

GEOGRPY 497 EXCHANGE STUDY *Repeatable* 1-12 u

GEOGRPY 498 INDEPENDENT STUDIES IN GEOGRAPHY 1-3 u
Repeatable one time for a maximum of 6 units in major/degree. Prereq: 12 units in geography, 2.75 grade point in geography and consent of department chairperson.

GEOLOGY

Geology is the study of the internal structure, materials, chemical and physical processes, and history of the earth. The geology program offers fundamental geology courses such that: (1) students may develop a thorough understanding of geology in support of their major or interest or (2) students desiring employment in geology or related fields may (a) qualify directly for admission to a graduate program in geology upon completion of supporting science and mathematics courses available at UW-W or (b) complete a second baccalaureate degree at an institution which offers a geology major with one additional year of study.

COURSE DESCRIPTIONS

GEOLOGY 100 PRINCIPLES OF GEOLOGY *GL* 5 u
An introduction to the concepts which describe the origin and evolution of the earth. Emphasis is on understanding (1) the material make-up of the earth, (2) the internal and external processes which affect the earth, (3) the scientific method as it applies to the study of the earth. One field trip is required. A special fee will be assessed to those students electing to participate on an optional field trip to cover the cost of chartering a bus. Four hours of lectures and two hours of lab each week.
Coreq: MATH 140 or MATH 141 or consent of instructor. Unreq: GEOLOGY 101

GEOLOGY 101 ELEMENTS OF GEOLOGY *GL* 4 u
An introduction to the study of the earth. Emphasis is placed on: (1) the materials which make up the earth, (2) the internal and external processes which affect the earth, (3) the length of geologic time, and (3) the methods

of science, especially as they apply to the study of the Earth. One half-day field trip in the immediate area is required. An optional field trip, requiring a transportation fee, will be conducted to the Baraboo Hills region. Three hours of lecture and two hours of laboratory per week.
Coreq: MATH 140 or MATH 141. Unreq: GEOLOGY 100

GEOLOGY 204 EARTH AND LIFE HISTORY *GM* 3 u
A study of the changes in the earth's crust and life through geologic time and the methodology used in reconstructing earth history. One field trip is required. A special fee will be assessed to those students electing to participate on an optional field trip to cover transportation costs.
Coreq: MATH 140 or MATH 141

GEOLOGY 205 HISTORICAL GEOLOGY LABORATORY 1 u
A laboratory course in earth history emphasizing paleontologic, stratigraphic, and geologic map studies. One field trip is required. One two-hour lab per week.
Prereq: GEOLOGY 204 or concurrent registration in GEOLOGY 204.

GEOLOGY 300 PRINCIPLES OF OCEANOGRAPHY *GM* 3 u
A study of the physical, chemical, geological and biological aspects of the major water masses of the world and human dependency on these water masses. One field trip to observe shoreline processes is required. A special fee will be assessed to students electing to participate in an optional field trip to cover the transportation costs.
Coreq: MATH 140 or MATH 141

GEOLOGY 301/501 ENVIRONMENTAL GEOLOGY 3 u
A study of the physical and cultural problems associated with earthquakes, volcanism, weathering and mass movement, running water, groundwater, glaciers, coastal processes, waste disposal, contaminant hydrogeology, nonrenewable resources, and environmental health. An analysis of various engineering solutions and land use planning approaches concerning these problems will be examined. At least one field trip will be required. A special fee will be assessed to students who participate in optional field trips to cover transportation costs. Two lectures and one two-hour lab per week.
Prereq: GEOLOGY 100 or GEOGRPY 210 or consent of instructor.

GEOLOGY 307 DINOSAURS *GM* 3 u
The proposed course will examine all aspects of Dinosaurs from Earth System Science perspective. Who were the Dinosaurs? When, how and where did they live on earth? What is their relationship to birds? What are the circumstances of their extinction?
Coreq: MATH 140 OR MATH 141

GEOLOGY 315 INTRODUCTION TO MINERALOGY 4 u
An introduction to mineralogy with emphasis on the principles of crystallography, physical mineralogy, chemical mineralogy and the systematic classification of minerals. Three lectures and one two-hour lab per week. One field trip is required. A special fee will be assessed to those students electing to participate on an optional field trip to cover transportation costs. Offered every fall term.
Prereq: GEOLOGY 100, (CHEM 102 or CHEM 141 recommended).

GEOLOGY 316 PETROLOGY 4 u
A study of the mode of occurrence, composition, classification, and origin of igneous, sedimentary, and metamorphic rocks. Special emphasis is placed on (1) hand specimen and microscopic characteristics as indicators of the origin and evolution of rocks and (2) the chemical and physical aspects of rocks which control their origin and evolution. Two lectures and two two-hour labs per week. Offered every spring term. One field trip is required. A special fee will be assessed of those students electing to participate in an optional field trip to cover transportation costs.
Prereq: GEOLOGY 100, GEOLOGY 315, (CHEM 104 and PHYSICS 163 recommended).

GEOLOGY 317 PALEONTOLOGY 3 u
An introduction to the history of life on Earth. Lectures focus on concepts in paleontology including paleoecology; evolution; paleobiogeography; and use of fossils in the solution of geologic problems. Characteristics of

common fossils will be the focus of the laboratory. Two lectures and one two-hour lab per week. One field trip is required; up to two optional field trips possible (fee required to cover cost of optional trips).

Prereq: GEOLGY 100 or GEOLGY 101 and GEOLGY 204 or BIOLOGY 142 or consent of instructor.

GEOLGY 318 GEOLOGIC STRUCTURES AND FIELD METHODS 5 u

A study of the causes behind the formation of the major structural features of earth as well as identification techniques and description of geologic structures in the field. Emphasis is placed on (1) understanding and quantifying geologic deformation, (2) material response to different conditions of deformation, (3) identification and description of geologic structures in microscopic, macroscopic and regional scale, (4) geologic field and data analyses techniques such as stereographic projections and preparation and interpretation of geologic maps. Offered in Spring semesters. One field trip to the Baraboo area is required. A special fee will be assessed to those students electing to participate on an optional field trip to cover transportation costs.

Prereq: GEOLGY 100 and MATH 152

GEOLGY 319 STRATIGRAPHY AND SEDIMENTATION 3 u

Classification and description of the various kinds of sediments and sedimentary rock units; with emphasis on carbonates; cyclic sedimentation and sequence stratigraphy; and techniques of correlating sedimentary rocks. Two hours of lecture and two hours of lab each week. One field trip is required. A special fee will be assessed to those students electing to participate on an optional field trip to cover transportation costs.

Prereq: GEOLGY 100 or GEOLGY 101, GEOLGY 204.

GEOLGY 352 GEOHAZARDS 3 u

The course will focus on the physical processes that create environmental hazards (e.g. earthquakes, volcanoes, severe weather), the primary controls on their frequency and intensity, and how human decision-making can influence the magnitude of impact that they have when they inevitably occur. Comparisons are made between impacts of hazards on developing versus developed countries.

Prereq: GEOGRPY 210 OR GEOLGY 100 OR GEOLGY 101 OR an approved equivalent lab course from another discipline.

GEOLGY 490/690 WORKSHOP 1-3 u

Repeatable. Prereq: Consent of instructor.

GEOLGY 491 TRAVEL STUDY *Repeatable* 1-3 u

GEOLGY 492 FIELD STUDIES IN GEOLOGY 1-3 u

Field studies of classic geologic regions. Emphasis will be placed on training in the basic techniques and methods of field studies, recognition and interpretation of geologic structures, and the use of field observations to develop both geologic understanding of the region studied and geologic reasoning ability. Students will be responsible for the cost of the university van rental and other trip expenses.

Coreq: enrollment in or completion of GEOLGY 100 or consent of instructor.

GEOLGY 494 SEMINAR 1-3 u

An intensive study of one or more philosophical issues that supplement the curriculum. Original research papers may be expected as partial fulfillment of the course requirements.

Repeatable. Prereq: Consent of instructor.

GEOLGY 496/696 SPECIAL STUDIES 1-3 u

Repeatable. Prereq: Consent of instructor.

GEOLGY 498 INDEPENDENT STUDY IN GEOLOGY 1-3 u

Repeatable. Prereq: 8 units in geology or consent of instructor and program coordinator.

DEPARTMENT OF HISTORY

Phone: 262-472-1103

E-Mail: history@umw.edu

Faculty: Lloyd Binagi, Anthony Gulig, James Jaffe, Elizabeth Hachten, Richard Haney, Steven Karges, Nikki Mandell, Seth Meisel, Benjamin Rhodes, Stephen Vincent, Richard Yasko.

History is studied for many reasons. It is our social memory, telling us who we are, where we belong, and where we seem to be going. History takes us out of the present, broadens the horizons of our minds, makes us aware of human possibilities, and confronts us with the awareness that our present culture is neither the only way, nor perhaps the best way, that human beings have lived.

A major in history provides broad preparation for careers in teaching and business, as well as for professional training in law, journalism, management, and university teaching. But most importantly, history helps to develop a breadth of vision, a capability for critical thinking, and a fundamental understanding of human society permitting a person to grow and adapt to the changing career opportunities in the modern world.

MAJOR/EMPHASES

HISTORY (BA/BS)

If courses in the major are used to satisfy General Education requirements and Letters and Sciences requirements, 6 additional elective units would be available.

MAJOR - 36 UNITS

1. INTRODUCTORY LEVEL (100s-200s, excluding HISTRY 200):
SELECT 9-12 UNITS
2. METHODS COURSE: HISTRY 200
3. UPPER LEVEL (300s-400s): SELECT 18-21 UNITS
4. SENIOR SEMINAR: HISTRY 499
5. THE COURSES CHOSEN TO COMPLETE REQUIREMENTS #1 AND #3 MUST SATISFY THE FOLLOWING BREADTH AND DEPTH REQUIREMENTS.
 - A. CHRONOLOGICAL BREADTH: SELECT AT LEAST 6 UNITS OF PRE-MODERN HISTORY. HISTRY 124, HISTRY 130, HISTRY 150, HISTRY 154, HISTRY 300, HISTRY 301, HISTRY 302, HISTRY 304, HISTRY 313, HISTRY 316, HISTRY 324, HISTRY 342, HISTRY 351, HISTRY 355, HISTRY 360, HISTRY 371, HISTRY 380, HISTRY 425, HISTRY 451 AND HISTRY 452
 - B. GEOGRAPHICAL DEPTH: SELECT AT LEAST 12 UNITS FROM ONE OF THE FOLLOWING GROUPS.
 1. EUROPEAN HISTORY: HISTRY 150, HISTRY 154, HISTRY 155, HISTRY 165, HISTRY 351, HISTRY 352, HISTRY 355, HISTRY 360, HISTRY 367, HISTRY 371, HISTRY 372, HISTRY 375, HISTRY 380, HISTRY 381, HISTRY 451, HISTRY 452, OR HISTRY 460
 2. AFRICAN, ASIAN, LATIN AMERICAN OR MIDDLE EASTERN HISTORY: HISTRY 130, HISTRY 131, HISTRY 150, HISTRY 326, HISTRY 340, HISTRY 342, HISTRY 343, HISTRY 346, HISTRY 347, HISTRY 360, HISTRY 432, HISTRY 433 AND HISTRY 434
 3. US HISTORY: HISTRY 102, HISTRY 124, HISTRY 125, HISTRY 141, HISTRY 150, HISTRY 190, HISTRY 300, HISTRY 301, HISTRY 302, HISTRY 304, HISTRY 305, HISTRY 306, HISTRY 307, HISTRY 311, HISTRY 313, HISTRY 314, HISTRY 316, HISTRY 317, HISTRY 324, HISTRY 362, HISTRY 390, HISTRY 394, HISTRY 401, HISTRY 403,

HISTORY 425 AND CHICANO 310

4. INDIVIDUALLY DESIGNED THEMATIC CONCENTRATION. REQUIRES HISTORY DEPARTMENT APPROVAL.

C. GEOGRAPHICAL/THEMATIC BREADTH: SELECT AT LEAST 3 UNITS IN EACH OF THE THREE AREAS NOT CHOSEN FOR THE DEPTH REQUIREMENT.

1. EUROPEAN HISTORY: HISTORY 150, HISTORY 154, HISTORY 155, HISTORY 165, HISTORY 351, HISTORY 352, HISTORY 355, HISTORY 360, HISTORY 367, HISTORY 371, HISTORY 372, HISTORY 375, HISTORY 380, HISTORY 381, HISTORY 451, HISTORY 452, OR HISTORY 460

2. AFRICAN, ASIAN, LATIN AMERICAN, OR MIDDLE EASTERN HISTORY: HISTORY 130, HISTORY 131, HISTORY 150, HISTORY 326, HISTORY 340, HISTORY 342, HISTORY 343, HISTORY 346, HISTORY 347, HISTORY 360, HISTORY 432, HISTORY 433, AND HISTORY 434

3. U.S. HISTORY: HISTORY 102, HISTORY 124, HISTORY 125, HISTORY 141, HISTORY 150, HISTORY 190, HISTORY 300, HISTORY 301, HISTORY 302, HISTORY 304, HISTORY 305, HISTORY 306, HISTORY 307, HISTORY 311, HISTORY 313, HISTORY 314, HISTORY 316, HISTORY 317, HISTORY 324, HISTORY 362, HISTORY 390, HISTORY 394, HISTORY 401, HISTORY 403, HISTORY 425 AND CHICANO 310

4. GLOBAL/COMPARATIVE HISTORY: HISTORY 150, HISTORY 165, HISTORY 190, HISTORY 326, HISTORY 335, HISTORY 340, HISTORY 360, HISTORY 367, HISTORY 455*, HISTORY 493, HISTORY 496

*Depending on the term's offering, this course may fulfill other geographic breadth requirements for the major.

UNIQUE REQUIREMENT (5-6 U)

1. ARTS OR LITERATURE: SELECT 2-3 UNITS FROM COURSES: ARTHIST 201, ARTHIST 202, ARTHIST 305, ARTHIST 311 THRU 319; MUSC 140, MUSC 143, MUSC 144, MUSC 244 THRU 247; THEATRE 100, THEATRE 110; ENGLISH 200 THRU 265
2. SOCIAL SCIENCES: SELECT 3 UNITS FROM COURSES: ECON 201, ECON 202, ECON 213, GEOGRPY 230, POLISCI 250, POLISCI 217, POLISCI 247, ANTHROPL 110, ANTHROPL 218

AN APPROVED MINOR IS REQUIRED FOR THIS MAJOR

HONORS IN HISTORY: Students must file an application for Honors in History with the Department Chairperson during the first term of their Senior year. Honors in History can be earned by completing the following:

- a. 3.5 or above GPA in the History major
- b. Minimum of 3 History units at the 400 level (in addition to HISTORY 499)

HISTORY WITH PUBLIC HISTORY EMPHASIS (BA/BS)

Program Coordinators: Anthony Gulig (guliga@uww.edu)

Nikki Mandell (mandelln@uww.edu)

MAJOR - 36 UNITS

1. INTRODUCTORY LEVEL (100s-200s, EXCLUDING HISTORY 200): SELECT 9-12 UNITS
2. HISTORY 200
3. UPPER LEVEL (300s-400s): SELECT 18-21 UNITS
4. HISTORY 493 SELECT AT LEAST 3 UNITS
5. HISTORY 499
6. THE COURSES CHOSEN TO COMPLETE REQUIREMENTS

#1 AND #3 MUST SATISFY THE FOLLOWING BREADTH AND DEPTH REQUIREMENTS:

A. CHRONOLOGICAL BREADTH. SELECT AT LEAST 6 UNITS OF PRE-MODERN HISTORY: HISTORY 124, HISTORY 130, HISTORY 154, HISTORY 165, HISTORY 300, HISTORY 301, HISTORY 302, HISTORY 304, HISTORY 313, HISTORY 316, HISTORY 324, HISTORY 342, HISTORY 351, HISTORY 355, HISTORY 360, HISTORY 371, HISTORY 380, HISTORY 415, HISTORY 425, HISTORY 451, AND HISTORY 452.

B. GEOGRAPHICAL DEPTH. SELECT AT LEAST 12 UNITS FROM ONE OF THE FOLLOWING GROUPS:

1. EUROPEAN HISTORY: HISTORY 150, HISTORY 154, HISTORY 155, HISTORY 165, HISTORY 351, HISTORY 352, HISTORY 355, HISTORY 360, HISTORY 367, HISTORY 371, HISTORY 372, HISTORY 375, HISTORY 380, HISTORY 381, HISTORY 451, HISTORY 452, OR HISTORY 460

2. AFRICAN, ASIAN, LATIN AMERICAN, OR MIDDLE EASTERN HISTORY: HISTORY 130, HISTORY 131, HISTORY 150, HISTORY 340, HISTORY 342, HISTORY 343, HISTORY 346, HISTORY 347, HISTORY 360, HISTORY 432, HISTORY 433, AND HISTORY 434

3. U.S. HISTORY: HISTORY 124, HISTORY 125, HISTORY 141, HISTORY 150, HISTORY 190, HISTORY 300, HISTORY 301, HISTORY 302, HISTORY 304, HISTORY 305, HISTORY 306, HISTORY 307, HISTORY 311, HISTORY 313, HISTORY 314, HISTORY 316, HISTORY 317, HISTORY 324, HISTORY 362, HISTORY 390, HISTORY 394, HISTORY 401, HISTORY 403, HISTORY 425 AND CHICANO 310

4. INDIVIDUALLY DESIGNED THEMATIC CONCENTRATION. REQUIRES HISTORY DEPARTMENT APPROVAL.

C. GEOGRAPHICAL/THEMATIC BREADTH: SELECT AT LEAST 3 UNITS IN EACH OF THE THREE AREAS NOT CHOSEN FOR THE DEPTH REQUIREMENT.

1. EUROPEAN HISTORY: HISTORY 150, HISTORY 154, HISTORY 155, HISTORY 165, HISTORY 351, HISTORY 352, HISTORY 355, HISTORY 360, HISTORY 367, HISTORY 371, HISTORY 372, HISTORY 375, HISTORY 380, HISTORY 381, HISTORY 451, HISTORY 452, OR HISTORY 460

2. AFRICAN, ASIAN, LATIN AMERICAN, OR MIDDLE EASTERN HISTORY: HISTORY 130, HISTORY 131, HISTORY 165, HISTORY 340, HISTORY 342, HISTORY 343, HISTORY 346, HISTORY 347, HISTORY 360, HISTORY 432, HISTORY 433, AND HISTORY 434

3. U.S. HISTORY: HISTORY 124, HISTORY 125, HISTORY 141, HISTORY 190, HISTORY 300, HISTORY 301, HISTORY 302, HISTORY 304, HISTORY 305, HISTORY 306, HISTORY 307, HISTORY 311, HISTORY 313, HISTORY 314, HISTORY 316, HISTORY 317, HISTORY 324, HISTORY 362, HISTORY 390, HISTORY 394, HISTORY 401, HISTORY 403, HISTORY 425, AND CHICANO 310

4. GLOBAL/COMPARATIVE: HISTORY 110, HISTORY 150, HISTORY 165, HISTORY 190, HISTORY 326, HISTORY 335, HISTORY 360, HISTORY 367, HISTORY 455*

UNIQUE REQUIREMENT

SELECT AT LEAST 6 UNITS FROM THE FOLLOWING COURSES:

- A. LIBMEDIA 351, 451
- B. JOURNLSM 220, SPEECH 202, SPEECH 238
- C. GEOGRPY 344
- D. POLISCI 320, 440
- E. BSEDCNA 353
- F. ARTHIST 201, 202, 305, 316, 317, 318, 319

An approved minor is required for this major.

HISTORY (BSE)

LICENSURE - 43-44 UNITS

1. SPECED 205
 2. EDFOUND 243 AND EDFOUND 212 AND EDFNDPRC 210
 3. EDFOUND 425
 4. SECNDED 430
 5. SECNDED 466
 6. SELECT 3 UNITS FROM CIFLD 492
 7. STUDENT TEACHING
SELECT 2 UNITS FROM CIFLD 402 AND 12 UNITS FROM
CIFLD 414 OR SELECT 2 UNITS FROM CIFLD 404 AND
12 UNITS FROM CIFLD 412
 9. ECON 213 OR ECON 324
 10. BIOLOGY 214 OR GEOGRPY 252
- * Maximum 12 units for CIFLD 412 AND CIFLD 414

MAJOR - 36 UNITS

1. US HISTORY
 - A. EARLY US HISTORY. SELECT 6 UNITS: HISTRY 124, HISTRY 150, HISTRY 300, HISTRY 301, HISTRY 302, HISTRY 304, HISTRY 313, HISTRY 316, HISTRY 324, HISTRY 415, AND HISTRY 425
 - B. MODERN US HISTORY. SELECT 6 UNITS: HISTRY 102, HISTRY 125, HISTRY 141, HISTRY 190, HISTRY 305, HISTRY 306, HISTRY 307, HISTRY 311, HISTRY 314, HISTRY 317, HISTRY 324, HISTRY 362, HISTRY 390, HISTRY 394, HISTRY 401, HISTRY 403, HISTRY 415, HISTRY 425 AND CHICANO 310
2. EUROPEAN HISTORY
 - A. EARLY EUROPEAN HISTORY. SELECT 3-6 UNITS: HISTRY 150, HISTRY 154, HISTRY 355, HISTRY 360, HISTRY 371, HISTRY 380, HISTRY 451 AND HISTRY 452
 - B. MODERN EUROPEAN HISTORY. SELECT 3-6 UNITS: HISTRY 155, HISTRY 165, HISTRY 351, HISTRY 352, HISTRY 360, HISTRY 367, HISTRY 372, HISTRY 375, HISTRY 381 AND HISTRY 460
3. AFRICAN, ASIAN, LATIN AMERICAN, OR MIDDLE EASTERN HISTORY
SELECT 3-6 UNITS: HISTRY 130, HISTRY 131, HISTRY 150, HISTRY 326, HISTRY 340, HISTRY 342, HISTRY 343, HISTRY 346, HISTRY 347, HISTRY 360, HISTRY 432, HISTRY 433 AND HISTRY 434
4. COMPARATIVE AND GLOBAL HISTORY.
SELECT 0-6 UNITS: HISTRY 110*, HISTRY 150, HISTRY 165, HISTRY 190, HISTRY 326, HISTRY 335, HISTRY 340, HISTRY 360, HISTRY 367, HISTRY 415, HISTRY 455* AND HISTRY 493
5. METHODS COURSES. HISTRY 200 AND HISTRY 499
6. A MAXIMUM OF 15 UNITS IN 100 LEVEL COURSES MAY COUNT TOWARDS THE MAJOR.

UNIQUE REQUIREMENT (5 - 6 UNITS)

1. ARTS OR LITERATURE: SELECT 2 - 3 UNITS FROM COURSES
ARTHIST 201, ARTHIST 202, ARTHIST 305, ARTHIST 311 THRU 319, MUSC 140, MUSC 143, MUSC 144, MUSC 244 THRU 247, THEATRE 100, THEATRE 110, ENGLISH 200 THRU 265
2. SOCIAL SCIENCES: SELECT 3 UNITS FROM COURSES:

ANTHROPL 110, ANTHROPL 218, ECON 201, ECON 202, ECON 213, GEOGRPY 230, POLISCI 217, POLISCI 247, POLISCI 250

AN APPROVED MINOR IS REQUIRED FOR THIS MAJOR

HISTORY WITH SOCIAL STUDIES EMPHASIS (BSE)*

An interdisciplinary social studies major designed to equip the secondary teacher to teach history and the interdisciplinary social studies courses.

LICENSURE - 43-44 UNITS

1. SPECED 205
 2. EDFOUND 243 AND EDFOUND 212 AND EDFNDPRC 210
 3. EDFOUND 425
 4. SECNDED 430
 5. SECNDED 466
 6. SELECT 3 UNITS FROM CIFLD 492
 7. STUDENT TEACHING
SELECT 2 UNITS FROM CIFLD 402 AND 12 UNITS FROM
CIFLD 414 OR SELECT 2 UNITS FROM CIFLD 404 AND
12 UNITS FROM CIFLD 412
 9. ECON 213 OR ECON 324
 10. BIOLOGY 214 OR GEOGRPY 252
- * Maximum 12 units for CIFLD 412 AND CIFLD 414

MAJOR - 57 UNITS

1. U.S. HISTORY
 - a. EARLY U.S. HISTORY, SELECT 6 UNITS FROM HISTRY 124, HISTRY 150, HISTRY 300, HISTRY 301, HISTRY 302, HISTRY 302, HISTRY 304, HISTRY 313, HISTRY 316, HISTRY 324, HISTRY 415 AND HISTRY 425
 - b. MODERN U.S. HISTORY, SELECT 6 UNITS FROM HISTRY 102, HISTRY 125, HISTRY 141, HISTRY 190, HISTRY 305, HISTRY 306, HISTRY 307, HISTRY 311, HISTRY 314, HISTRY 317, HISTRY 324, HISTRY 362, HISTRY 390, HISTRY 394, HISTRY 401, HISTRY 403, HISTRY 415, HISTRY 425, AND CHICANO 310
2. EUROPEAN HISTORY
 - a. EARLY EUROPEAN HISTORY, SELECT 3-6 UNITS FROM HISTRY 150, HISTRY 154, HISTRY 355, HISTRY 360, HISTRY 371, HISTRY 380, HISTRY 451, AND HISTRY 452
 - b. MODERN EUROPEAN HISTORY, SELECT 3-6 UNITS FROM HISTRY 155, HISTRY 165, HISTRY 351, HISTRY 352, HISTRY 360, HISTRY 367, HISTRY 372, HISTRY 375, HISTRY 381, AND HISTRY 460
3. AFRICAN, ASIAN, LATIN AMERICAN, OR MIDDLE EASTERN HISTORY, SELECT 3-6 UNITS FROM HISTRY 130, HISTRY 131, HISTRY 150, HISTRY 326, HISTRY 340, HISTRY 342, HISTRY 343, HISTRY 346, HISTRY 347, HISTRY 360, HISTRY 432, HISTRY 433, AND HISTRY 434
4. COMPARATIVE AND GLOBAL HISTORY, SELECT 0-6 UNITS FROM: HISTRY 110, HISTRY 150, HISTRY 165, HISTRY 190, HISTRY 326, HISTRY 335, HISTRY 340, HISTRY 360, HISTRY 367, HISTRY 415, HISTRY 455* AND HISTRY 493
5. HISTRY 200 AND HISTRY 499
6. A MAXIMUM OF 15 UNITS IN 100 LEVEL HISTORY COURSES MAY COUNT TOWARDS THE MAJOR
7. SELECT 9-12 UNITS FROM TWO OF THE FOLLOWING DEPARTMENTS FOR A TOTAL OF 21 UNITS
 - a. SELECT 9-12 UNITS FROM GEOGRAPHY DEPT EXCLUDING COURSES GEOGRPY 210, GEOGRPY 300, GEOGRPY 310, GEOGRPY 320, GEOGRPY 323, GEOGRPY 330, AND GEOGRPY 450. AT LEAST 3 UNITS MUST BE CHOSEN FROM GEOGRPY 230, GEOGRPY 250, AND GEOGRPY 252

- b. SELECT 9-12 UNITS FROM POLITICAL SCIENCE DEPT. AT LEAST 3 UNITS MUST BE CHOSEN FROM COURSES POLISCI 141 OR POLISCI 250
- c. SELECT 9-12 UNITS FROM ECONOMICS DEPT EXCLUDING ECON 245 AND ECON 345. AT LEAST 3 UNITS MUST BE CHOSEN FROM COURSES ECON 202 OR ECON 213
- d. SELECT 9-12 UNITS FROM PSYCHOLOGY DEPT EXCLUDING PSYCH 215. AT LEAST 3 UNITS MUST BE CHOSEN FROM COURSES PSYCH 104, PSYCH 202 OR PSYCH 211
- e. SELECT 9-12 UNITS FROM SOCIOLOGY DEPT. AT LEAST 3 UNITS MUST BE CHOSEN FROM COURSES SOCIOLGY 140 OR SOCIOLGY 250

UNIQUE REQUIREMENT (5 - 6 UNITS)

1. ARTS OR LITERATURE: SELECT 2 - 3 UNITS FROM COURSES:
ARTHIST 201, ARTHIST 202, ARTHIST 305, ARTHIST 311 THRU 319, MUSC 140, MUSC 143, MUSC 144, MUSC 244 THRU 247, THEATRE 100, THEATRE 110, ENGLISH 200 THRU 265
1. SOCIAL SCIENCES: SELECT 3 UNITS FROM COURSES:
ANTHROPL 110, ANTHROPL 218, ECON 201, ECON 202, ECON 213, GEOGRPY 230, POLISCI 217, POLISCI 247, POLISCI 250

* Depending on the term's offering, this course may fulfill other geographic breadth requirements for the major.

***Additional Licensure Requirement:**

A Department of Public Instruction designated "content knowledge" test that incorporates the Wisconsin model academic standards.

Wisconsin law requires that persons seeking licensure to teach history or other social studies have instruction in cooperatives and conservation. The requirement in respect to cooperatives may be met by completion of ECON 213, Economic Principles for Secondary Teachers, or Economics ECON 324, Cooperatives. The requirement for instruction in conservation may be met by the completion of GEOGRPY 252, Human Environmental Problems, or BIOLOGY 214, Ecology and Man.

MINOR/EMPHASES**HISTORY**

MINOR - 24 UNITS

1. INTRODUCTORY LEVEL (100s-200s): SELECT 6-12 UNITS
2. UPPER LEVEL (300s-400s): SELECT 12-18 UNITS
3. MEET THE FOLLOWING BREADTH REQUIREMENTS:
 - A. CHRONOLOGICAL BREADTH. SELECT AT LEAST 3 UNITS OF PRE-MODERN HISTORY. HISTY 124, HISTY 130, HISTY 150, HISTY 154, HISTY 300, HISTY 301, HISTY 304, HISTY 313, HISTY 316, HISTY 324, HISTY 342, HISTY 351, HISTY 355, HISTY 360, HISTY 371, HISTY 380, HISTY 425, HISTY 451, AND HISTY 452
 - B. GEOGRAPHICAL/THEMATIC BREADTH. SELECT AT LEAST 3 UNITS IN EACH OF THE FOLLOWING AREAS.
 1. EUROPEAN HISTORY: HISTY 150, HISTY 154, HISTY 155, HISTY 165, HISTY 351, HISTY 352, HISTY 355, HISTY 360, HISTY 367, HISTY 371, HISTY 372, HISTY 375, HISTY 380, HISTY 381, HISTY 451, HISTY 452 OR HISTY 460
 2. AFRICAN, ASIAN, LATIN AMERICAN, OR

MIDDLE EASTERN HISTORY: HISTY 130, HISTY 131, HISTY 150, HISTY 326, HISTY 340, HISTY 342, HISTY 343, HISTY 346, HISTY 347, HISTY 360, HISTY 432, HISTY 433, AND HISTY 434

3. US HISTORY: HISTY 102, HISTY 124, HISTY 125, HISTY 141, HISTY 150, HISTY 190, HISTY 300, HISTY 301, HISTY 304, HISTY 305, HISTY 306, HISTY 307, HISTY 311, HISTY 313, HISTY 314, HISTY 316, HISTY 317, HISTY 324, HISTY 362, HISTY 390, HISTY 394, HISTY 401, HISTY 403, HISTY 425 AND CHICANO 310

4. GLOBAL/COMPARATIVE: HISTY 150, HISTY 165, HISTY 190, HISTY 200, HISTY 326, HISTY 335, HISTY 340, HISTY 360, HISTY 367, HISTY 455*, HISTY 493 AND HISTY 498

* Depending on the term's offering, this course may fulfill other geographic breadth requirements for the major.

HISTORY ELEMENTARY EDUCATION EMPHASIS

MINOR - 23 UNITS

1. U.S. HISTORY
 - A. EARLY US HISTORY. SELECT 3-6 UNITS: HISTY 124, HISTY 150, HISTY 300, HISTY 301, HISTY 302, HISTY 304, HISTY 313, HISTY 316, HISTY 324, HISTY 415 AND HISTY 425
 - B. MODERN US HISTORY. SELECT 3-6 UNITS: HISTY 102, HISTY 125, HISTY 141, HISTY 190, HISTY 305, HISTY 306, HISTY 307, HISTY 311, HISTY 314, HISTY 317, HISTY 324, HISTY 362, HISTY 390, HISTY 394, HISTY 401, HISTY 403, HISTY 415, HISTY 425 AND CHICANO 310
 - C. WISCONSIN HISTORY. HISTY 311
2. EUROPEAN HISTORY
 - A. EARLY EUROPEAN HISTORY. SELECT 3 UNITS: HISTY 150, HISTY 154, HISTY 355, HISTY 360, HISTY 371, HISTY 380, HISTY 451 AND HISTY 452
 - B. MODERN EUROPEAN HISTORY. SELECT 3-6 UNITS: HISTY 155, HISTY 165, HISTY 351, HISTY 352, HISTY 367, HISTY 372, HISTY 375, HISTY 381 AND HISTY 460
3. AFRICAN, ASIAN, LATIN AMERICAN, OR MIDDLE EASTERN HISTORY

SELECT 3-6 UNITS: HISTY 130, HISTY 131, HISTY 150, HISTY 326, HISTY 340, HISTY 342, HISTY 343, HISTY 346, HISTY 347, HISTY 360, HISTY 432, HISTY 433 AND HISTY 434
4. COMPARATIVE AND GLOBAL HISTORY

SELECT 0-3 UNITS: HISTY 110*, HISTY 150, HISTY 165, HISTY 190, HISTY 326, HISTY 335, HISTY 340, HISTY 367, HISTY 415, HISTY 455* AND HISTY 493
5. A MAXIMUM OF 12 UNITS IN 100 LEVEL COURSES MAY COUNT TOWARDS THE MINOR.

* Depending on the term's offering, this course may fulfill other geographic breadth requirements for the major.

HISTORY PUBLIC HISTORY EMPHASIS

MINOR - 24 UNITS

1. SELECT 3-9 UNITS IN EARLY US HISTORY:
HISTY 124, HISTY 150, HISTY 300, HISTY 301, HIS-

- TRY 304, HISTORY 313, HISTORY 316, HISTORY 324, HISTORY 425
2. SELECT 3-9 UNITS IN MODERN US HISTORY: HISTORY 102, HISTORY 125, HISTORY 141, HISTORY 190, HISTORY 305, HISTORY 307, HISTORY 311, HISTORY 314, HISTORY 317, HISTORY 324, HISTORY 362, HISTORY 390, HISTORY 394, HISTORY 401, HISTORY 403, HISTORY 425 AND CHICANO 310
 3. SELECT AT LEAST 3 UNITS IN EUROPEAN HISTORY: HISTORY 150, HISTORY 154, HISTORY 155, HISTORY 165, HISTORY 351, HISTORY 352, HISTORY 355, HISTORY 360, HISTORY 367, HISTORY 371, HISTORY 372, HISTORY 375, HISTORY 380, HISTORY 381, HISTORY 451, HISTORY 452, OR HISTORY 460
 4. SELECT AT LEAST 3 UNITS IN AFRICAN, ASIAN, LATIN AMERICAN OR MIDDLE EASTERN HISTORY: HISTORY 130, HISTORY 131, HISTORY 150, HISTORY 326, HISTORY 340, HISTORY 342, HISTORY 343, HISTORY 346, HISTORY 347, HISTORY 360, HISTORY 432, HISTORY 433 AND HISTORY 434
 5. SELECT 0-6 UNITS IN COMPARATIVE HISTORY: HISTORY 150, HISTORY 165, HISTORY 190, HISTORY 326, HISTORY 335, HISTORY 340, HISTORY 360, HISTORY 367, HISTORY 455* AND HISTORY 498
 6. APPLIED HISTORY: HISTORY 493
 7. SELECT AT LEAST 3 UNITS FROM THE FOLLOWING APPLICATIONS METHODS ELECTIVES:
 - A. LIBMEDIA 350, LIBMEDIA 351, LIBMEDIA 434, LIBMEDIA 451
 - B. JOURNLSM 220, SPEECH 202, SPEECH 238
 - C. GEOGRPY 344
 - D. POLISCI 320, POLISCI 440
 - E. BSEDCNA 353
 - F. ARTHIST 201, ARTHIST 202, ARTHIST 305, ARTHIST 316, ARTHIST 317, ARTHIST 318, ARTHIST 319

HISTORY SECONDARY EDUCATION EMPHASIS

MINOR - 24 UNITS

1. U.S. HISTORY
 - A. EARLY US HISTORY. SELECT 3-6 UNITS: HISTORY 124, HISTORY 150, HISTORY 300, HISTORY 301, HISTORY 302, HISTORY 304, HISTORY 313, HISTORY 316, HISTORY 324, HISTORY 415 AND HISTORY 425
 - B. MODERN US HISTORY. SELECT 3-6 UNITS: HISTORY 102, HISTORY 125, HISTORY 141, HISTORY 190, HISTORY 305, HISTORY 306, HISTORY 307, HISTORY 311, HISTORY 314, HISTORY 317, HISTORY 324, HISTORY 362, HISTORY 390, HISTORY 394, HISTORY 401, HISTORY 403, HISTORY 415, HISTORY 425 AND CHICANO 310
2. EUROPEAN HISTORY
 - A. EARLY EUROPEAN HISTORY. SELECT 3 UNITS: HISTORY 150, HISTORY 154, HISTORY 355, HISTORY 360, HISTORY 371, HISTORY 380, HISTORY 451, AND HISTORY 452
 - B. MODERN EUROPEAN HISTORY. SELECT 3-6 UNITS: HISTORY 155, HISTORY 165, HISTORY 351, HISTORY 352, HISTORY 360, HISTORY 367, HISTORY 372, HISTORY 375, HISTORY 381, AND HISTORY 460
3. AFRICAN, ASIAN, LATIN AMERICAN, OR MIDDLE EASTERN HISTORY

SELECT 3-6 UNITS: HISTORY 130, HISTORY 131, HISTORY 150, HISTORY 326, HISTORY 340, HISTORY 342, HISTORY 343, HISTORY 346, HISTORY 347, HISTORY 360, HISTORY 432, HISTORY 433 AND HISTORY 434
4. COMPARATIVE AND GLOBAL HISTORY.

SELECT 0-3 UNITS: HISTORY 110*, HISTORY 150, HISTORY 165, HISTORY 190, HISTORY 326, HISTORY 335, HISTORY 340, HISTORY 360, HISTORY 367, HISTORY 415, HISTORY 455*, HISTORY 493 AND HISTORY 498
5. A MAXIMUM OF 12 UNITS IN 100 LEVEL COURSES MAY COUNT TOWARDS THE MINOR.

* Depending on the term's offering, this course may fulfill other geographic breadth requirements for the major.

Social Studies minor in elementary education curriculum: See L&S Interdepartmental section.

COURSE DESCRIPTIONS

HISTORY 102 INTRODUCTION TO AMERICAN INDIAN STUDIES *GH Diversity* 3u

An interdisciplinary introduction to the history, literature, art, and religion of Native Americans designed for students seeking a basic understanding of American Indians. Emphasis will be given to the contemporary scene.

HISTORY 110 HISTORY THROUGH FILM *GH* 3u

This variable-topics course will introduce students to selected historical themes depicted by popular film. Students will watch and deconstruct popular historical films within the larger context of scholarly analysis of a particular historic period or event. Evaluation will be based on a variety of essay and objective exams. As well, in-class discussion will form a significant basis for evaluation.

HISTORY 124 AMERICAN HISTORY TO 1877 *GH Diversity* 3u

An introduction to the study of American history with emphasis on the evolution of economic, political, social and cultural values and institutions from colonization through the Civil War era.

HISTORY 125 AMERICAN HISTORY SINCE 1877 *GH* 3u

A study of the United States from 1877 to the present, analyzing the socio-economic, political and intellectual forces that have shaped contemporary values, problems and institutions. This course taken in conjunction with HISTORY 124 provides a complete American history survey.

HISTORY 130 THE EAST ASIAN TRADITION *GH* 3u

An introduction to the intellectual, social, and political traditions of China and Japan up to about 1800. The course will analyze the Confucian tradition, Chinese administrative systems, and the dynastic cycle. Japanese cultural and political development will also be discussed.

HISTORY 131 EAST ASIA SINCE 1800 *GH* 3u

A survey of China and Japan in the nineteenth and twentieth centuries centering on the process of modernization in both of these countries.

HISTORY 135 INTRODUCTION TO ISLAMIC CIVILIZATIONS *GH* 3u

This course examines emergence and evolution of Islamic Civilizations from the seventh century through the modern era. It covers the birth and spread of Islam, the rise and fall of Muslim Empires, religious and political institutions, scientific and cultural achievements, and the position of women and religious minorities.

HISTORY 141 MODERN BLACK AMERICAN HISTORY *GH/Diversity* 3u

A critical examination and analysis of the status and role of Black Americans in the United States since 1865.

Unreq: AFRIAMR 141

HISTORY 150 ATLANTIC HISTORY *GH/Diversity* 3u

This course explores the historic Atlantic community from the Columbian era to 1870. It examines the process which drew together the history of four continents, Europe, Africa, North and South America as a result of the commerce, migrations, and imperial rivalries initiated by the Columbian encounter.

HISTRY 154 WESTERN CIVILIZATION GH 3 u
An examination of the social, cultural, political and economic forces that have shaped Western civilization from early ancient Mediterranean cultures to the eighteenth century.

HISTRY 155 HISTORY OF MODERN EUROPE GH 3 u
A study of European civilizations from the eighteenth century to the present, analyzing the social, economic, political and intellectual forces that have shaped contemporary values, problems and institutions. This course taken in conjunction with HISTRY 154 provides a complete survey of Western civilization.

HISTRY 165 FROM NEWTON TO THE NUCLEAR AGE: HISTORY OF WESTERN SCIENCE SINCE 1600 GH 3 u
An exploration of the history of modern science in the Western world, with emphasis on the Scientific Revolution; evolutionary theory and its impact on religion and society; links between science and technology; the emergence of "big" science and the professional scientist; gender, race, and science.

HISTRY 190 NORTH AMERICAN ENVIRONMENTAL HISTORY GH 3 u
This course will examine human interaction with the natural environment in North American between roughly 1400 and the present. Special attention will be paid to the twentieth century. It will also explore the ways in which people have historically defined, used, and modified nature to suit their needs and interests.

HISTRY 200 HISTORICAL METHODS 3 u
This course provides an introduction to the methods and theories historians use to study the past. Through projects and papers, students will develop their skills in critically reading, analyzing, researching and writing about history. They will also be introduced to major trends in historical theory and interpretation.
Prereq: History major, completion of six units in history (may include GENED 120) or consent of instructor.

HISTRY 300 AMERICAN COLONIAL HISTORY TO 1763 GH 3 u
A study of the political, economic, religious, social and cultural developments of the American colonies with emphasis on the seventeenth century.
Prereq: Sophomore standing or cons instr.

HISTRY 301 REVOLUTION AND CONFEDERATION 1763-1789 3 u
A study of the revolutionary generation and of the political, economic and social developments of the new nation to 1789.
Prereq: Sophomore standing or cons instr.

HISTRY 304 THE AGE OF CIVIL WAR AND RECONSTRUCTION 1850-1877 GH 3 u
A study of the United States between the Compromises of 1850 and 1877, analyzing the issues leading to war, the internal and military problems of the Union and Confederacy and the myths and realities of Reconstruction.
Prereq: Sophomore standing or cons instr.

HISTRY 305/505 INDUSTRIAL AMERICA 1877-1919 3 u
A study of the United States from the Compromise of 1877 through World War I, emphasizing the origins, growth and problems of, and response to, industrialism and new trends in American foreign policy.

HISTRY 306/506 AMERICA IN PROSPERITY, DEPRESSION AND WORLD WAR II, 1919-1945 3 u
An analysis of the political, economic and social trends in the United States during the Roaring Twenties, the Great Depression, and American participation in World War II.

HISTRY 307 RECENT AMERICA, 1945 TO THE PRESENT GH 3 u
A study of American society, diplomacy, economics, and politics from the end of World War II to the present.

CHICANO 310 HISTORY OF CHICANOS IN THE U.S.: 19TH CENTURY ROOTS AND 20TH CENTURY DEVELOPMENT 3 u
(See *Chicano Studies*)

HISTRY 311 WISCONSIN HISTORY 3 u
A study of Wisconsin from its first settlement to the present day with emphasis upon the late nineteenth century and the twentieth century.

HISTRY 313 WOMEN IN AMERICAN HISTORY I: 1600- 1875 GH 3 u
A study of women and gender in American history, 1600- 1875. The course focuses on topics of work, family and political activism. Particular attention is given to the diverse and inter-related experiences of women of different race and ethnic groups.
Prereq: Sophomore standing or consent of the instructor.

HISTRY 314 WOMEN IN AMERICAN HISTORY II: 1875 TO THE PRESENT GH 3 u
A study of women and gender in American history, 1875 to the present. The course focuses on topics of work, family and political activism. Particular attention is given to the diverse and inter-related experiences of women of different race and ethnic groups.
Prereq: Sophomore standing or consent of the instructor.

HISTRY 316 UNITED STATES SOCIAL HISTORY TO 1865 GH 3 u
This course explores the everyday life of Americans from the outset of colonization through the Civil War. Emphasis is given to European, African, and Native American adjustment to the New World, changes fostered by the American Revolution and the expansion of a market economy, and matters of race, class, and gender.
Prereq: Sophomore standing and successful completion of GENED 120 (U.S. Experience in a World Context) or the consent of the instructor.

HISTRY 317 UNITED STATES SOCIAL HISTORY 1865 TO THE PRESENT GH 3 u
A study of the transformation of the United States from an agrarian and producer-based society to an industrial and consumer-based society. The course examines the ways in which class, race, ethnicity, gender and region have shaped American society and contributed to diversity in the American experience.
Prereq: Sophomore standing or consent of the instructor.

HISTRY 324/524 AMERICAN INDIAN HISTORY Diversity 3 u
A study of the role of the Native American in United States History with special emphasis on Indian policies of the colonizing nations, United States government policies, Indian cultures and contemporary problems and issues.
Prereq: GENED 120 or 3 units of history or cons instr.

HISTRY 326/526 HISTORY OF CONTEMPORARY WOMEN FROM 1800 3 u
A comparative historical study examining women's experiences in representative societies in the modern world (Africa, Asia, Latin America, the Middle East and the North Atlantic World). The course focuses on themes of work, family and politics. Emphasis is placed on the ways in which women have shaped and been affected by economic modernization, colonialism, political change, traditional views of gender and feminism.
Prereq: Sophomore standing or consent of instructor

HISTORY 335 VIRTUAL HISTORY: WORKING WITH COMPUTERS AND HISTORY 3 u

This course is designed to acquaint students with the resources and techniques of historical analysis with a computer. Students will learn how to collect and manipulate historical data; how to gain access to local, national, and international sources of information; how to use a computer to analyze and present results in various forms; and view history through computer simulations. No previous experience with computers required. A paper using these techniques will be required.

Prereq: Sophomore standing or consent of instructor.

HISTORY 340 INTRODUCTION TO AFRICAN HISTORY GH 3 u

A survey of major ideas, concepts, movements, institutions and events that have influenced and shaped African civilization and history.

HISTORY 342 EARLY LATIN AMERICA TO 1860 GH 3 u

An introduction to the history of Latin America from pre-Columbian times to 1860. Traces the development of colonial rule and the formation of new nations after 1810. Topics include the nature of pre-Columbian societies, the resistance and accommodations of indigenous peoples to European conquest, the institutions and culture of African slavery, the role of the Catholic church, the evolution of race, gender, and class hierarchies, and fragility of the new nation-states after Independence.

Prereq: Sophomore standing

HISTORY 343 MODERN LATIN AMERICA GH 3 u

This course surveys the history of Latin America from the 1860 to the present, centering discussion on the examples of Argentina, Brazil, Peru, Mexico and Cuba. Topics include the legacy of colonialism, the consolidation of nation-states, Latin America's participation in the world economy, reformist and revolutionary political movements, military dictatorships, foreign intervention and the emergence of social movements.

Prereq: Sophomore standing

HISTORY 346 HISTORY OF MEXICO GH 3 u

A survey of the social, economic, political, and cultural history of Mexico from the pre-Columbian period to the present. Emphasis on the twentieth century.

Prereq: Sophomore standing or cons of instr.

HISTORY 347 REVOLUTIONARY CHANGE IN LATIN AMERICA 3 u

Examines the revolutionary tradition in Latin America focusing on nations where revolutionary movements came to power: Cuba, Chile and Nicaragua. Why do some revolutionary groups triumph while most have failed? What challenges do revolutionary regimes face once in power? How successful have they been in realizing their goals?

Prereq: Sophomore standing or consent of instructor.

HISTORY 351 REBELLION AND REVOLUTION IN ENGLAND, 1066-1688 GH 3 u

A survey of the major social and political developments in English history from the Norman Conquest to the Glorious Revolution. Particular attention is paid to the repeated crises of the English monarchy and the social impact of war, rebellion and revolution during these years.

Prereq: Sophomore standing or cons of instr.

HISTORY 352 SOCIETY AND CULTURE IN MODERN BRITAIN 1763-PRESENT GH 3 u

A survey of the social, political, and economic history of England in the nineteenth and twentieth centuries. Special emphasis is placed on British industrial development, the rise of the Labour Party, and the social effects of the two world wars.

Prereq: Sophomore standing or cons of instr.

HISTORY 353 ANCIENT HISTORY 3 u

A study of the civilization of the Ancient Near East, of Greece and of Rome.

Prereq: Jr st, 6 units of history, or cons instr.

HISTORY 354/554 MEDIEVAL EUROPE 3 u

A survey of basic political, socio-economic, cultural and religious trends in European history from A.D. 300 to 1500.

Prereq: Jr st, 6 units of history, or cons instr.

HISTORY 355 EARLY MODERN EUROPE, 1300-1600 3 u

European history from 1300 to 1600 with emphasis on the Renaissance in Italy and northern Europe and the period of the Reformation.

Prereq: GENED 140 or consent of instructor. Unreq: RELIGST 355.

HISTORY 360 COMPARATIVE INTELLECTUAL HISTORY: ASIAN AND EUROPEAN THOUGHT 3 u

This course examines major themes in the history of social and political thought within a comparative, cross-cultural framework. It focuses on the contributions of a variety of intellectual traditions that sought to comprehend and explain the complexity of humanity, including the dichotomies of faith and reason, freedom and authority, the individual and society, and modernity and tradition. The philosophical heritages of the west and east will be situated within their historical contexts through the examination of the major social, political and economic changes that contributed to the intellectual climate of the time.

Prereq: Sophomore standing or consent of instructor.

HISTORY 362 AMERICAN BUSINESS HISTORY GH 3 u

A history of American business from colonial times to the present era with emphasis on how business people have attempted to deal with their recurrent problems as an integral part of American society.

Prereq: Sophomore standing or cons of instr.

HISTORY 367 HISTORY OF CAPITALISM IN THE WEST 3 u

A survey and analysis of the origins and historical development of capitalism in Europe and the West. Particular attention is paid to the social history of capitalism, the role of the state, and the effect of technology on the economy and society.

Prereq: Sophomore standing or cons of instr.

HISTORY 371 HISTORY OF RUSSIA TO 1815 3 u

A survey of Russian history to 1815, emphasizing its relationship to major problems in European history.

HISTORY 372 HISTORY OF RUSSIA SINCE 1815 3 u

A survey of Russian history in the nineteenth and twentieth centuries, emphasizing relationships to major European and world problems.

HISTORY 375 THE AGE OF EUROPEAN REVOLUTIONS, 1789-1848 3 u

A survey and analysis of the political and economic changes in Europe between 1789 and 1848. Particular attention will be paid to the changing forms of protest, the social impact of revolution, the evolution of political ideologies, and the impact of industrialization on everyday life.

Prereq: Sophomore standing or consent of instructor.

HISTORY 380/580 GERMANY AND CENTRAL EUROPE TO 1815 3 u

A survey from the beginnings to the Congress of Vienna, emphasizing the development of German political and cultural traditions.

Prereq: Sophomore standing and HISTORY 154 or equivalent, or cons of instr.

HISTRY 381/581 MODERN GERMANY 3 u
A survey from the Congress of Vienna to the present, emphasizing the successive solutions to the question of German political organization.
Prereq: Sophomore standing and HISTRY 155 or equivalent, or cons of instr.

HISTRY 390 AMERICAN MILITARY HISTORY 3 u
A survey of American military history from the colonial period to the present with emphasis on the development of military policy, involvement of the United States in major and minor wars, and civil-military relations.
Prereq: Sophomore standing or cons of instr.

HISTRY 394 THE U.S. AT WAR IN VIETNAM 3 u
A survey of political, social and military events in two societies with different cultures. Presents a view of war in Vietnam from 1945 through 1975. Emphasis is on the war's military events, on history, and on the changes wrought in both societies as a result of the war.
Prereq: Sophomore standing or cons of instr.

HISTRY 401/601 DIPLOMATIC HISTORY OF THE UNITED STATES SINCE 1898 3 u
A survey of American diplomatic history since 1898, emphasizing the United States as a great power, changing economic and political realities, American intervention in two world wars, and contemporary trends.
Prereq: Jr st, 6 units of history, cons instr.

HISTRY 403/603 HISTORY OF THE AMERICAN WEST 3 u
A study of the exploration and settlement of the Trans-Mississippi West with special emphasis on the fur-trading era, Plains Indians culture, and the mythology of the West. Slides and video are used extensively to illustrate the lecture topics.
Prereq: GENED 120 or 3 units of history or cons instr.

HISTRY 415/615 HISTORY OF SOCIAL WELFARE IN THE UNITED STATES 3 u
Examines ideas and practices of social welfare provision in the United States from the colonial era to the present. The course explores recurring issues such as private vs. state-based provision, definitions of "the needy", and the impact of gender, class, race/ethnicity and economic change on social welfare practices. The course will be of particular interest to those seeking to understand U.S. history or the roots of current social welfare practice and debates.
Prereq: Junior status and 3 units of history (or GENED 120) or consent of instructor

HISTRY 425 HISTORY OF AMERICAN INDIAN LAW AND POLICY 3 u
The purpose of this course is to explain the unique nature of the historic and contemporary federal-Indian relationship. Students completing the course will gain a clearer understanding of the legal process by which American Indians were first subjugated to federal law and policy, and later became active agents by using that same legal system to preserve, protect, and enhance identity and tribal sovereignty in recent years.
Prereq: Jr st

HISTRY 432/632 BANDITRY, REBELLION AND REVOLUTION IN MODERN CHINA 3 u
An examination of violent socio-political upheavals in China beginning with the White Lotus Rebellion and culminating with the Communist Revolution.
Prereq: Jr st, 6 units of history, or cons instr.

HISTRY 433/633 TWENTIETH CENTURY JAPAN 3 u
A discussion of Japan's emergence into the modern world centering on the Japanese transformation from a secluded feudal nation to a powerful industrialized state.
Prereq: Jr st, 6 units of history, or cons instr.

HISTRY 434 SOCIAL HISTORY OF JAPAN 3 u
This course traces the changes in the lives of Japanese people from earliest recorded times to the present day. Emphasis is on the period from 1868 to the 1900's.
Prereq: Jr st; 6 units of history or consent of instructor

HISTRY 455/655 STUDIES IN SOCIAL AND CULTURAL HISTORY (VARIABLE TOPIC) 3 u
Intensive study of a major theme in social and cultural history emphasizing interdisciplinary approaches to complex historical issues. The particular topic of the course will be published before registration.
Prereq: Jr st or cons instr. Repeatable only with change of topic.

HISTRY 460/660 HISTORY OF TWENTIETH CENTURY EUROPE 3 u
A survey of the political, economic, social, and cultural history of Europe since about 1914.
Prereq: HISTRY 155 or equiv.

HISTRY 490/690 WORKSHOP 1-6 u
Repeatable. Prereq: Consent of instructor.

HISTRY 491/691 TRAVEL STUDY *Repeatable* 1-3 u

HISTRY 492 FIELD STUDY 3-6 u
Studies designed to increase the student's understanding of a segment of history by reading and travel under the direction of a member of the department. Area of concentration to be approved by the History Department. Repeatable.
Prereq: Jr st, 6 units of history, or cons instr.

HISTRY 493 APPLIED HISTORY 1-6 u
Study and work with a historical agency under the direction of a faculty supervisor. May include a related research project. Students will have the opportunity to combine academic learning with practical experience in the operation of a historical agency.
Repeatable for a maximum of 6 units in the history major.
Prereq: 11 units of history and cons dept chp.

HISTRY 494 SEMINAR *Repeatable* 2 u

HISTRY 497 EXCHANGE STUDY *Repeatable* 1-12 u

HISTRY 496/696 SPECIAL STUDIES IN HISTORY 1-3 u
Repeatable two times for a maximum of 6 units in major/degree.

HISTRY 498 INDEPENDENT STUDY 1-3 u
Repeatable two times for a maximum of 3 units in major/degree. Prereq: consent of instructor.

HISTRY 499 SENIOR SEMINAR 3 u
A capstone research and writing seminar. Senior level History majors do extensive archival research and write a perceptive monograph based on their research.
Prereq: Senior standing, History major with at least 24 units of History and completion of HISTRY 200; or by special permission.

INTERNATIONAL AND AREA STUDIES

Phone: 262-472-1093

E-Mail: intrnlstdy@uwm.edu

ASIAN STUDIES MINOR

Larry Neuman (Coordinator)

This interdisciplinary minor complements a variety of majors and career objectives. It provides a multidisciplinary perspective on one of the fastest growing and most important regions in the world today. Students have combined this minor with majors or programs in General Business International Emphasis, Management Computer Systems, Art, Speech, History, Geography and Social Work. Many employers regard a knowledge of Asia and/or an Asian language as highly desirable.

MINOR - 21 UNITS

1. 12 UNITS CORE:
 - A. SELECT 6 UNITS FROM THE FOLLOWING: HISTORY 130, HISTORY 131, RELIGST 211 OR ENGLISH 258
 - B. SELECT 6 UNITS FROM THE FOLLOWING: GEOGRPY 364, SOCIOLOGY 290, POLISCI 460 OR ECON 451.
2. SELECT 9 UNITS OF ELECTIVES FROM: ANTHROPL 325, ECON 451, GEOGRPY 364, PEGNRL 141, PEGNRL 142, PEGNRL 175, PEGNRL 176, HISTORY 130, HISTORY 131, HISTORY 432, HISTORY 433, HISTORY 434, RELIGST 211, RELIGST 303, ENGLISH 258, SOCIOLOGY 290, SOCIOLOGY 350, POLISCI 460, POLISCI 472, ASIANSTD 491, ASIANSTD 492, ASIANSTD 496, ASIANSTD 498

UNIQUE REQUIREMENT

THE EQUIVALENT OF ONE TERM OF STUDY OF AN ASIAN LANGUAGE WITH A GRADE OF C OR HIGHER, OR PASSING A PROFICIENCY TEST INDICATING EQUIVALENT COMPETENCY. NATIVE SPEAKERS OF AN ASIAN LANGUAGE MAY HAVE THIS REQUIREMENT WAIVED.

MAJOR

Anne Hamilton (Coordinator)

The international studies major is an interdisciplinary program, with an international emphasis, that provides a liberal arts education. It is intended to help prepare students for a variety of careers in the private and public sectors. Washington, D.C. internships, a summer seminar at the United Nations in New York, and study abroad programs are available through the major.

INTERNATIONAL STUDIES (BA/BS)

MAJOR - 54 UNITS

1. ANTHROPL 218 OR HISTORY 326 OR RELIGST 211 OR RELIGST 212
2. GEOGRPY 230 OR SOCIOLOGY 385
3. POLISCI 351, INTRNAR 488 AND SPEECH 424
4. ECON 401 OR ECON 359
5. 3-15 UNITS OF TRAVEL STUDY COURSES OR STUDY ABROAD COURSES
6. SELECT ONE OF THE THREE EMPHASES: FOREIGN LANGUAGE AND AREA STUDIES, BUSINESS OR PUBLIC DIPLOMACY

FOREIGN LANGUAGE AND AREA STUDIES EMPHASIS

1. SELECT 15 UNITS FROM ONE OF THE AREAS: AFRICA, ASIA, EUROPE, LATIN AMERICA, WITH NO MORE THAN 9 UNITS FROM ANY ONE DISCIPLINE. SIX UNITS OF ANY FOREIGN LANGUAGE IN ADDITION TO THE 16 UNITS IN THE UNIQUE REQUIREMENT
2. IN CONSULTATION WITH AN ADVISOR, SELECT 12 ADDI-

TIONAL UNITS FROM THE LIST OF COURSES APPROVED FOR THE INTERNATIONAL STUDIES MAJOR

BUSINESS EMPHASIS

1. SELECT ONE OF THE EXISTING PROFESSIONAL MINORS IN BUSINESS STUDIES
2. 9-12 UNITS OF ELECTIVES, FROM LIST OF COURSES FOR INTERNATIONAL STUDIES MAJOR

PUBLIC DIPLOMACY EMPHASIS

1. SPEECH 202 AND SPEECH 203
2. 6-9 UNITS FROM FOLLOWING COURSES: SPEECH 204, SPEECH 240, SPEECH 302, SPEECH 327, SPEECH 328, SPEECH 345, SPEECH 422, SPEECH 431, JOURNLSM 430, JOURNLSM 431
3. 9-12 UNITS FROM FOLLOWING COURSES: GEOGRPY 352, POLISCI 350, POLISCI 457, POLISCI 463
4. 9-12 UNITS OF ELECTIVES, FROM LIST OF COURSES APPROVED FOR INTERNATIONAL STUDIES MAJOR

UNIQUE REQUIREMENTS

1. A MINIMUM OF 16 UNITS OF THE SAME FOREIGN LANGUAGE OR EQUIVALENT CERTIFIED BY OUR FOREIGN LANGUAGE FACULTY IN THE DEPARTMENT OF FOREIGN LANGUAGES AND LITERATURES
2. MINIMUM GRADE-POINT AVERAGE OF 2.25

Writing Requirement: Topics in International Studies (INTRNAR 488) includes a significant writing component which will fulfill the writing requirement. No minor required.

APPROVED COURSE LIST

AFRICA:

AFRIAMR 496	Black Political and Social Thought
ENGLISH 324	Post-Colonial Literatures
FORLANG 496	Special Studies (Arabic I and II)
HISTORY 150	Atlantic History
HISTORY 340	Introduction to African History
POLISCI 340	Politics of Development
POLISCI 461	Governments and Politics of Africa
POLISCI 471/671	Government and Politics in the Middle East

ASIA:

ECON 451	Economics of Asia
ENGLISH 323	Asian Literatures
FORNLANG 102	Beginning Japanese II
FORNLANG 103	Beginning Japanese III
FORNLANG 141	Beginning Chinese
FORNLANG 142	Beginning Chinese
FORNLANG 201	Intermediate Japanese
GEOGRPY 364	Geography of Asia
GEOGRPY 368	Geography of the Soviet Union
HISTORY 130	The East Asian Tradition
HISTORY 131	East Asia Since 1800
HISTORY 372	History of Russia Since 1815
HISTORY 432	Banditry, Rebellion and Revolution in Modern China
HISTORY 433	Twentieth Century Japan
HISTORY 434	Social History of Japan
RELIGST 211	Introduction to Eastern Religions
RELIGST 303	Eastern Religious Thought
POLISCI 460	Government and Politics of Asia
POLISCI 472	Government and Politics of China
SOCIOLOGY 280	Intro. to Australian Studies
SOCIOLOGY 290	Sociology of Pacific Asia
SOCIOLOGY 350	Contemporary Japanese Society

ANTHROPL 324	Peoples and Cultures of the Pacific
EUROPE:	
ARTHIST 201	Survey of Western Art - Ancient to Medieval
ARTHIST 202	Survey of Western Art - Renaissance to the Present
ARTHIST 305	History of Women in Art
ARTHIST 316	History of Nineteenth Century Art
ARTHIST 318	History of Twentieth Century Art to 1945
ARTHIST 319	Concepts in Art Since 1945
ECON 404	History of Economic Thought
ENGLISH 206	British Literature Survey I
ENGLISH 216	British Literature Survey II
ENGLISH 347	British Modernism
ENGLISH 360	Postwar British Literature (1945-present)
FORNLANG 496	Special Studies (Russian I and II)
FRENCH 310	French Phonetics
FRENCH 321	Advanced French Language Study
FRENCH 322	Advanced French Language Study
FRENCH 332	Readings in Modern French
FRENCH 340	Contemporary French Civilization
FRENCH 350	French Civilization
FRENCH 370	Introduction to Business French
FRENCH 451	Survey of French Literature
FRENCH 452	Survey of French Literature (18th Century to Present)
FRENCH 482	Contemporary French Literature
GERMAN 321	Advanced German Language Study
GERMAN 322	Advanced German Language Study
GERMAN 331	Reading in Modern German Literature
GERMAN 332	Reading in Modern German Literature
GERMAN 350	German Civilization
GERMAN 451	Survey of German Literature
GERMAN 452	Survey of German Literature (18th Century to Present)
GEOGRPY 362	Geography of Europe
GEOGRPY 368	Geography of the Soviet Union
HISTORY 351	Rebellion and Revolution in England
HISTORY 352	England and the British Empire
HISTORY 372	History of Russia Since 1815
HISTORY 381	Modern Germany
HISTORY 460	History of Twentieth Century Europe
RELIGST 212	Introduction to Western Religions
RELIGST 388/ SOCIOLOGY 388	The Holocaust: Nazi Germany
POLISCI 352	Comparative Government - Europe
SPANISH 310	Spanish Phonetics
SPANISH 321	Advanced Spanish Language Study
SPANISH 322	Advanced Spanish Language Study
SPANISH 331	Peninsular Spanish Readings I
SPANISH 332	Peninsular Spanish Readings II
SPANISH 350	Spanish Civilization
SPANISH 370	Spanish for Business
SPANISH 451	Survey of Spanish Literature
SPANISH 452	Survey of Spanish Literature
SPANISH 481	Spanish Classics
LATIN AMERICA:	
MUSC 144	Cultural Music of the Americas
MUSC 241	Survey of Latin American Music
CHICANO 330	Chicano and Latino American Thought
SPANISH 333	Spanish American Readings I
SPANISH 334	Spanish American Readings II
SPANISH 360	Spanish American Civilization
SPANISH 483	Contemporary Spanish American Narrative
GEOGRPY 363	Geography of South America
GEOGRPY 365	Geography of Middle America
HISTORY 150	Atlantic History

HISTORY 342	Early Latin American History to 1860
HISTORY 343	Modern Latin American History 1860 to Present
HISTORY 346	History of Mexico
HISTORY 347	Revolutionary Change in Latin America
ANTHROPL 312	Civilizations and Societies of Latin America

OTHER APPROVED COURSES:

ANTHROPL 228	Anthropology of Religion
ANTHROPL 334	Women in Cross-Cultural Perspective
ARTHIST 316	History of Nineteenth Century Art
ARTHIST 318	History of 20th Century Art to 1945
ARTHIST 319	Concepts in Art Since 1945
ECON 360	Economic Development
ECON 404	History of Economic Thought
ECON 406	International Finance and Banking
ECON 431	Economics of Globalization
ECON 438	Urban Economics
ECON 471	Natural Resources and Environmental Economics
GEOGRPY 332	Political Geography
GEOGRPY 340	Economic Geography
GEOGRPY 344	Urban Geography
HISTORY 326	History of Contemporary Women (from 1800)
JOURNLSM 430	Communication and Public Opinion
JOURNLSM 431	Mass Communication in Society
MANGEMNT 410	International Management
MARKETNG 361	International Marketing
PHILSPHY 342	Modern Philosophy
POLISCI 247	Issues and Crises in American Politics (International Topics)
POLISCI 255	Intro to Comparative Government
POLISCI 340	Politics of Development
POLISCI 350	International Law
POLISCI 356	Political Sociology
POLISCI 411	Modern Political Thought
POLISCI 412	Contemporary Political Thought
POLISCI 457	American Foreign Policy
POLISCI 462	Social Welfare Policy
POLISCI 463	Peace Studies: Conflict Resolution
POLISCI 464	Women in International Relations
RELIGST 330	Women and Religion
SOCIOLOGY 353	Sociology of Religion
SOCIOLOGY 356	Political Sociology
SOCIOLOGY 362	Population Dynamics
SOCIOLOGY 385	Sociology of Globalization
SPEECH 202	Principles of Public Relations
SPEECH 203	Public Relations Tactics I
SPEECH 204	Public Relations Tactics II
SPEECH 240	Public Speaking
SPEECH 302	Public Relations Strategies
SPEECH 327	Introduction to Organizational Communication
SPEECH 328	Communication Conflict Resolution
SPEECH 345	Persuasion
SPEECH 422	Communication Theories
SPEECH 431	Mass Communication in Society

INTERNATIONAL STUDIES MINOR

Anne Hamilton (Coordinator)

The International Studies minor is designed to combine a foundation in key international studies courses with a concentration in one geographic area of the student's choice. There is no specific foreign language requirement, but students are encouraged to take foreign language courses. The minor complements many majors and is especially valuable for majors in economics,

business, history, foreign language, geography, political science and sociology. Specific regional emphasis courses should be selected in consultation with the International Studies Program coordinator to provide both breadth and depth of study in a region.

MINOR - 21 UNITS

1. SPEECH 424
2. ECON 401 OR ECON 459
3. POLISCI 351
4. INTRNAR 488
5. SELECT 9 UNITS FROM THE FOLLOWING FOUR AREAS:
 - a. GEOGRPY 366, ARTHIST 309, AFRIAMR 496, HISTRY 340, HISTRY 410, POLISCI 461, POLISCI 471
 - b. GEOGRPY 364, ECON 451, POLISCI 460, POLISCI 472, HISTRY 130, HISTRY 131, RELIGST 211, RELIGST 303, SOCIOLOGY 290, ANTHROPL 324, ENGLISH 258
 - c. GEOGRPY 362, HISTRY 372, HISTRY 372, HISTRY 460, POLISCI 352, HISTRY 381, GERMAN 350, FRENCH 340, FRENCH 350
 - d. GEOGRPY 363, GEOGRPY 365, MUSC 144, SPANISH 360, ANTHROPL 312, CHICANO 330, CHICANO 480

LATIN AMERICAN STUDIES MINOR

Seth Meisel (Coordinator)

The Latin American Studies minor is designed for those who seek to supplement their regular field of study with a multi-disciplinary specialization on Latin America. The program is organized to give students a broad introduction to Latin American history, society and culture drawing on selected courses from Spanish, history, anthropology, geography, economics, Chicano studies, and music. While competency in Spanish is highly recommended, it is not required of minors.

MINOR - 24 UNITS

1. HISTRY 342 AND HISTRY 343
2. ANTHROPL 312 OR CHICANO 330 OR SPANISH 360
3. GEOGRPY 363 OR GEOGRPY 365
4. CHICANO 480 OR SPANISH 333
5. SELECT 9 UNITS FROM COURSES LISTED BELOW AND FROM COURSES NOT USED IN REQUIREMENTS
2 - 4:
ANTHROPL 218, CHICANO 491, ECON 360, HISTRY 346, MUSC 144, SPANISH 453, SPANISH 454 AND SPANISH 483

COURSE DESCRIPTIONS

INTRNAR 280 INTRODUCTION TO AUSTRALIAN STUDIES: AUSTRALIAN SOCIETY & CULTURE 3 u

The course will focus on Australia in the twentieth century and will explore five major themes. They are: (1) Racial and National Identities, (2) Comparisons with the United States, (3) Australia-Asia Interdependencies, (4) The Impacts of Globalization on Australia, (5) Contemporary Debates.

Prereq: GENED 130 or GENED 140 or GENED 120 or consent of instructor

INTRNAR 488 TOPICS IN INTERNATIONAL STUDIES 3 u

An intensive study of selected topics in International Studies. Subject matter will vary depending on the department and faculty member responsible for the course. Repeatable for a maximum of 6 units in major/degree (for different topics only).

Prereq: Consent of instructor.

INTRNAR 491 TRAVEL STUDY *Repeatable* 1-3 u**INTRNAR 494 SEMINAR** 1-3 u

An intensive study of selected topics in international studies that supplements the curriculum. Subject matter may vary depending on the needs and desires of the participants.

Repeatable two times for a maximum of 6 units in major/degree. Prereq: Consent of instructor.

INTRNAR 496 SPECIAL STUDIES *Repeatable* 1-3 u**INTRNAR 497 EXCHANGE STUDY** *Repeatable* 1-12 u**INTRNAR 498 INDEPENDENT STUDY** 1-3 u

Study of a selected topic or topics under the direction of a faculty member. Repeatable.

Prereq: Consent of instructor and program director.

DEPARTMENT OF LANGUAGES AND LITERATURES

Phone: 262-472-1036

E-Mail: english@umw.edu

ENGLISH

Faculty: George Adams, Marilyn Annucci, Cornell Brellenthin, Karen Buckley, John Carlberg, DeWitt Clinton, Jerre Collins, Norma Davidson-Zielske, Betty Diamond, Marilyn Durham, Mary Emery, Edward Erdmann, Jian Guo, Joseph Hogan, Rebecca Hogan, Susan Huss-Lederman, Jonathan Ivry, Tanya Kam, William Keelty, Elizabeth Kim, Mark Lencho, Elena Levy-Navarro, Michael Longrie, Beth Lueck, Evie Miller, Jim Miller, Geneva Moore, Patrick Moran, Andrea Musher, Richard Oehling, Mary Pinkerton, Majorie Rhine, Dale Ritterbusch, Steve Salaita, George Savage (Chairperson), Lawrence Schuetz, Joan Schwarz, Lynn Shoemaker, Julie Smith, Kevin Smith, Jennifer Thomson, Edie Thornton, Alison Townsend, Trudi Witonsky.

The term "English" encompasses several related areas including the study of the English language, the practical skills of using it, and the literature created from it. The department offers courses in basic and advanced language skills, including technical and creative writing; for students with special needs, reading and writing laboratories and developmental courses are available. Literature courses offer instruction in the understanding and analysis of "classic", popular, and contemporary works, including Continental and Asian, and their historical and cultural contexts. A student majoring or minoring in English may opt for the traditional liberal arts program, an education program, or a writing emphasis. By developing the practical ability to think clearly, to read intelligently, and to write effectively, a major in English provides excellent preparation for business, teaching, government and professions such as law and medicine. In addition, we offer a minor in English as a Second Language for those who plan to work with non-native speakers.

In preparation for graduate study in English, students should consult the requirements of the graduate school which they plan to attend. Those anticipating graduate study should plan to study a foreign language at the undergraduate level since that is often a graduate requirement.

For information on English placement testing, see index.

MAJORS/EMPHASES

ENGLISH 101, 102, 161, and 162 do not count toward an English major or minor.

Liberal arts students majoring in English are urged to fulfill the upperclass

writing requirements as early as possible and to complete at least one year's work in a modern foreign language. Valuable adjuncts to the English major are courses in library science, journalism, speech, theatre, public relations, or business.

ENGLISH (BA/BS)

MAJOR - 36 UNITS

1. ENGLISH 206 OR ENGLISH 216
2. ENGLISH 226 OR ENGLISH 236
3. ENGLISH 271
4. ENGLISH 251 OR ENGLISH 252
5. ENGLISH 281, ENGLISH 378, OR ENGLISH 379
6. ENGLISH 401, ENGLISH 402, ENGLISH 412 OR ENGLISH 414
7. ENGLISH 416, ENGLISH 420, ENGLISH 341 OR ENGLISH 342
8. ENGLISH 347, ENGLISH 348, ENGLISH 360 OR ENGLISH 363
9. ENGLISH 345, ENGLISH 368, ENGLISH 369, ENGLISH 463 OR ENGLISH 464
10. ENGLISH 321, ENGLISH 322, ENGLISH 323 OR ENGLISH 324
11. ENGLISH 300, ENGLISH 404, ENGLISH 405 OR ENGLISH 460
12. ENGLISH 483

AN APPROVED MINOR IS REQUIRED FOR THIS MAJOR

ENGLISH WRITING EMPHASIS (BA/BS)

MAJOR - 36 UNITS

1. ENGLISH 271 AND ENGLISH 274
2. ENGLISH 281, ENGLISH 378 AND ENGLISH 488
3. SELECT 6 UNITS FROM COURSES
ENGLISH 372, ENGLISH 373, ENGLISH 375, ENGLISH 376, ENGLISH 377, ENGLISH 379, ENGLISH 383
4. SELECT 6 UNITS FROM COURSES
ENGLISH 477, ENGLISH 478, ENGLISH 479, ENGLISH 490, ENGLISH 493
5. SELECT 9 ELECTIVE UNITS FROM ENGLISH LITERATURE (COURSE LEVEL 200, 300 OR 400)

WRITING PROFICIENCY - 3 UNITS

1. ENGLISH 271 RLS

AN APPROVED MINOR IS REQUIRED FOR THIS MAJOR

ENGLISH (BSE)

LICENSURE - 43 UNITS

1. SECNDED 426, SECONDED 466, ENGLISH 310
2. EDFOUND 243 OR EDFOUND 445
3. SELECT 2 UNITS FROM CIFLD 210
4. STUDENT TEACHING:
SELECT 2 UNITS FROM CIFLD 402 AND 12 UNITS FROM CIFLD 414 OR SELECT 2 UNITS FROM CIFLD 404 AND 12 UNITS FROM CIFLD 412
5. CHICANO 200, CHICANO 201, ENGLISH 200, ENGLISH 201, ENGLISH 345, ENGLISH 368 OR ENGLISH 369
6. EDFOUND 212 AND EDFOUND 425
7. SELECT 3 UNITS FROM CIFLD 492
8. SELECT 3 UNITS FROM SPECED 205

MAJOR - 36 UNITS

1. ENGLISH 271, ENGLISH 281, ENGLISH 310, ENGLISH 471
2. ENGLISH 404 OR ENGLISH 405
3. ENGLISH 206 OR ENGLISH 401 OR ENGLISH 402 OR ENGLISH 412 OR ENGLISH 414
4. ENGLISH 216 OR ENGLISH 226 OR ENGLISH 315 OR ENGLISH 341 OR ENGLISH 342 OR ENGLISH 416 OR ENGLISH 420 OR ENGLISH 463
5. ENGLISH 236 OR ENGLISH 346 OR ENGLISH 347 OR ENGLISH 348 OR ENGLISH 353 OR ENGLISH 360 OR ENGLISH 363 OR ENGLISH 464
6. ENGLISH 265 OR ENGLISH 345 OR ENGLISH 368 OR ENGLISH 369
7. ENGLISH 381 OR ENGLISH 382 OR ENGLISH 383 OR ENGLISH 385
8. ENGLISH 483
9. SELECT 3 ELECTIVE UNITS FROM ENGLISH (COURSE LEVEL 200 OR ABOVE)

AN APPROVED MINOR IS REQUIRED FOR THIS MAJOR

ENGLISH WRITING EDUCATION EMPHASIS (BSE)

LICENSURE - 43 UNITS

1. SECNDED 426, SECNDED 466 AND ENGLISH 310 RLS
2. EDFOUND 243 OR EDFOUND 445
3. SELECT 2 UNITS FROM CIFLD 210
4. STUDENT TEACHING
SELECT 2 UNITS FROM CIFLD 402 AND 12 UNITS FROM CIFLD 414 OR SELECT 2 UNITS FROM CIFLD 404 AND 12 UNITS FROM CIFLD 412
5. CHICANO 200 OR CHICANO 201 OR ENGLISH 200 OR ENGLISH 201 OR ENGLISH 345 OR ENGLISH 368 OR ENGLISH 369 RLS
6. EDFOUND 212 AND EDFOUND 425
7. SELECT 3 UNITS FROM COURSE CIFLD 492
8. SELECT 3 UNITS FROM SPECED 205

MAJOR - 36 UNITS

1. ENGLISH 271, ENGLISH 281, ENGLISH 310, ENGLISH 404 OR ENGLISH 405, AND ENGLISH 471
2. ENGLISH 206 OR ENGLISH 251 OR ENGLISH 252 OR ENGLISH 401 OR ENGLISH 402 OR ENGLISH 412 OR ENGLISH 414
3. ENGLISH 216 OR ENGLISH 226 OR ENGLISH 315 OR ENGLISH 341 OR ENGLISH 342 OR ENGLISH 416 OR ENGLISH 420 OR ENGLISH 463
4. ENGLISH 236 OR ENGLISH 265 OR ENGLISH 345 OR ENGLISH 346 OR ENGLISH 347 OR ENGLISH 348 OR ENGLISH 353 OR ENGLISH 360 OR ENGLISH 363 OR ENGLISH 368 OR ENGLISH 369 OR ENGLISH 464
5. ENGLISH 381 OR ENGLISH 382 OR ENGLISH 383 OR ENGLISH 385
6. SELECT 9 UNITS FROM COURSES
ENGLISH 274, ENGLISH 370, ENGLISH 372, ENGLISH 378, ENGLISH 379, ENGLISH 477 OR ENGLISH 478

WRITING PROFICIENCY- 3 UNITS

1. ENGLISH 271 RLS

AN APPROVED MINOR IS REQUIRED FOR THIS MAJOR

MINOR/EMPHASES

ENGLISH

MINOR - 24 UNITS

1. ENGLISH 271, ENGLISH 281 OR ENGLISH 378 OR ENGLISH 379
2. ENGLISH 206 OR ENGLISH 401 OR ENGLISH 402 OR ENGLISH 412 OR ENGLISH 414
3. ENGLISH 216 OR ENGLISH 226 OR ENGLISH 315 OR ENGLISH 341 OR ENGLISH 342 OR ENGLISH 416 OR ENGLISH 420
4. ENGLISH 236 OR ENGLISH 346 OR ENGLISH 347 OR ENGLISH 348 OR ENGLISH 353 OR ENGLISH 360 OR ENGLISH 363
5. ENGLISH 345 OR ENGLISH 368 OR ENGLISH 369 OR ENGLISH 463 OR ENGLISH 464
6. ENGLISH 321 OR ENGLISH 322 OR ENGLISH 323 OR ENGLISH 324
7. SELECT 3 UNITS FROM LITERATURE COURSE 200 OR ABOVE

ENGLISH EDUCATION EMPHASIS*

MINOR - 24 UNITS

1. ENGLISH 271, ENGLISH 281, ENGLISH 404 OR ENGLISH 405, AND ENGLISH 471
2. ENGLISH 206 OR ENGLISH 401 OR ENGLISH 402 OR ENGLISH 412 OR ENGLISH 414
3. ENGLISH 216 OR ENGLISH 226 OR ENGLISH 315 OR ENGLISH 341 OR ENGLISH 342 OR ENGLISH 416 OR ENGLISH 420 OR ENGLISH 463
4. ENGLISH 236 OR ENGLISH 265 OR ENGLISH 345 OR ENGLISH 346 OR ENGLISH 347 OR ENGLISH 348 OR ENGLISH 353 OR ENGLISH 360 OR ENGLISH 363 OR ENGLISH 368 OR ENGLISH 369 OR ENGLISH 464
5. ENGLISH 310 OR ENGLISH 381 OR ENGLISH 382 OR ENGLISH 383 OR ENGLISH 385

ENGLISH WRITING EMPHASIS

MINOR - 24 UNITS

1. SELECT 6 UNITS FROM COURSES
ENGLISH 271, ENGLISH 274, ENGLISH 281 AND ENGLISH 378
2. SELECT 6 UNITS FROM COURSES
ENGLISH 372, ENGLISH 373, ENGLISH 375, ENGLISH 376, ENGLISH 383, ENGLISH 377, ENGLISH 379
3. SELECT 3 UNITS FROM COURSES
ENGLISH 477, ENGLISH 478 AND ENGLISH 490
4. SELECT 3 ELECTIVE UNITS FROM ENGLISH LANGUAGE OR WRITING (COURSE LEVEL 200, 300 OR 400)
5. SELECT 6 ELECTIVE UNITS FROM ENGLISH LITERATURE (COURSE LEVEL 200, 300 OR 400)

ENGLISH WRITING EDUCATION EMPHASIS*

MINOR - 24 UNITS

1. ENGLISH 271, ENGLISH 281 AND ENGLISH 471
2. SELECT 6 UNITS FROM COURSES:
ENGLISH 274 OR ENGLISH 370 OR ENGLISH 372 OR ENGLISH 378 OR ENGLISH 379, OR ENGLISH 477 OR ENGLISH 478
3. SELECT 3 UNITS FROM COURSES:
ENGLISH 206 OR ENGLISH 401 OR ENGLISH 402 OR ENGLISH 412 OR ENGLISH 414
4. SELECT 3 UNITS FROM COURSES:

ENGLISH 216 OR ENGLISH 226 OR ENGLISH 315 OR ENGLISH 341 OR ENGLISH 342 OR ENGLISH 416 OR ENGLISH 420 OR ENGLISH 463

5. SELECT 3 UNITS FROM COURSES:

ENGLISH 236 OR ENGLISH 265 OR ENGLISH 345 OR ENGLISH 346 OR ENGLISH 347 OR ENGLISH 348 OR ENGLISH 353 OR ENGLISH 360 OR ENGLISH 363 OR ENGLISH 368 OR ENGLISH 369 OR ENGLISH 464

* NOTE: If licensure for Grades 1-9 is desired, C & I SECNDED 426 Methods of Teaching English and Language Arts and course CIFLD 210 Observation and Participation-Secondary must be taken.

TEACHING ENGLISH AS A SECOND LANGUAGE/BILINGUAL-BICULTURAL

MINOR 24 UNITS (LICENSURE)

1. CIGENRL 350/550, ESL 350/550
2. ESL 310/510, CIGENRL 310/510
3. CIGENRL 354/554, ESL 354/554
4. ESL 320/520, CIGENRL 320/520
5. ESL 330/530, CIGENRL 330/550
6. ESL 403/603, CIGENRL 403/603
7. CIGENRL 405/605, ESL 405/605
8. CIFLD 492/692

UNIQUE REQUIREMENT: CORE LICENSE

Those pursuing the ESL license must take language study to the 251 level or above or the equivalent in language experience to be determined in consultation with the program coordinator.

ES./BE LICENSE:

1. Those pursuing the ESL/BE license must take one of the following courses, which can be completed within General Education or Diversity course requirements for graduation: RACE/ETH 380/580 OR CHICANO 310/510 OR CHICANO 320/520
2. Those pursuing the ESL/BE license must take CIGENRL 455/655 OR ESL 455/655
Those pursuing the ESL/BE license must demonstrate linguistic competence at the low advanced level on the American Council of Teachers of Foreign Languages (ACTFL) Oral Proficiency interview scale and demonstrate cultural competence by an instrument yet to be specified by DPI.

TEACHING ENGLISH AS A SECOND LANGUAGE

MINOR - 24 UNITS (LICENSURE)

1. CIGENRL 350/550, ESL 350/550
2. ESL 310/510, CIGENRL 310/510
3. CIGENRL 354/554, ESL 354/554
4. ESL 320/520, CIGENRL 320/520
5. ESL 330/530, CIGENRL 330/550
6. ESL 403/603, CIGENRL 403/603
7. CIGENRL 405/605, ESL 405/605
8. CIFLD 492/692

UNIQUE REQUIREMENT: CORE LICENSE

Those pursuing the ESL license must take language study to the 251 level or above or the equivalent in language experience to be determined in consultation with the program coordinator.

ESL Additional Recommendations

It is beyond the scope of this 24-credit academic minor to make someone a balanced bilingual with native-like cultural competence. However, it is possible for candidates to improve cultural and linguistic knowledge and competence by pursuing advanced language and culture study at UW-

Whitewater, *within general education course work*, and elsewhere beyond the unique requirements specified above. Indeed, this competence is essential in achieving the performance levels specified by DPI, necessary to secure the ESL/BE license. To this end, students will be advised to include the courses listed below in their general education program as well as coursework in foreign languages, travel study, and study abroad.

RACEETH 380 Race, Ethnicity, and Social Justice: Issues for Helping Professionals.

CHICANO 150 Introduction to Chicano Studies

CHICANO 200 Chicano Literature: Historical Context and Contemporary Text

CHICANO 201 Contemporary Chicano Literature

CHICANO 310 History of Chicanos in the U.S.: 19th Century Roots and 20th Century Development

CHICANO 320 Politics of the Chicano

CHICANO 330 Chicano and Latino American Thought

ENGLISH 265 Multicultural Literature of the United States

HISTORY 343 Modern Latin America

HISTORY 346 History of Mexico

HISTORY 394 The U.S. at War in Vietnam

TEACHING ENGLISH AS A SECOND LANGUAGE FOR ADULTS

MINOR - 24 UNITS (NON-LICENSURE)

1. ENGLISH 281, ENGLISH 383/583 AND ENGLISH 481-681
2. ESL 320/520 AND ESL 401/601
3. ESL 493/693
4. CIGENRL 435/635 OR SECNDED 435/635
5. SECNDED 427

UNIQUE REQUIREMENT

1. FOREIGN LANGUAGE AT 251 LEVEL OR EQUIVALENT

The certification program in Teaching English as a second language combines the study of theoretical and applied linguistics with instruction in theoretical and practical issues related to the study of English by non-native speakers throughout the lifespan. The minor is offered within the Department of Languages and Literatures, College of Letters and Sciences, in concert the Department of Curriculum and Instruction, College of Education. The licensure program has been designed to meet the standards recommended by TESOL, Inc, the premier international organization for ESL professionals. In its *Core Standards for Language and Professional Programs*, TESOL states that "teaching English to speakers of other languages is an academic field requiring...special professional education and preparation for its practitioners." Furthermore, "each program should have courses which present basic theory and practice covering the second language and teaching paradigm..." Basic entry requirements are: (1) the possession of a teaching license or concurrent enrollment in a program leading to a license; (2) competency in a language other than English as determined by examination or successful completion of the 251 level (may be worked on concurrently with the minor); (3) a GPA of 2.15 or higher. The TESL minor consists of a core of 24 term units.

COURSE DESCRIPTIONS

ENGLISH 090 FUNDAMENTALS OF ENGLISH 3 u

A course for students whose reading and writing skills need improvement through study of basic grammar and rhetoric before they attempt other English courses. This course does not count toward the 120 units required for graduation, nor does it fulfill General Studies requirements, nor may it be counted toward the English major or minor. It may not be taken by students who are simultaneously taking or have satisfactorily completed another English course on this campus.

ENGLISH 091 BASIC WRITING SKILLS 2 u

Offered on a satisfactory/no credit basis only. A workshop offering individualized instruction to students in need of improvement in basic writing skills. This does not count toward the 120 hours required for graduation. Repeatable.

ENGLISH 101 FRESHMAN ENGLISH (Proficiency) 3 u

An introduction to the reading and writing of college-level prose. Study of short stories, novels and essays. Composition of short papers and essay examinations. Students may not take for credit any course for which they have received a waiver, nor may they take for credit any course in the same department that is a prerequisite for a course that has been waived (e.g., if a student has been waived from English 102, he may not take English 101 for credit).

Prereq: Satisfactory completion of English 090 or equivalent demonstration of ability by the English ACT score.

ENGLISH 102 FRESHMAN ENGLISH (Proficiency) 3 u

A continuation of ENGLISH 101. Study of plays, poems and essays. Composition of substantial papers and a library research paper.

Prereq: Satisfactory completion of ENGLISH 101 or ENGLISH 161 or equivalent demonstration of ability by the English ACT score.

ENGLISH 105 FRESHMAN ENGLISH (Proficiency) 3 u HONORS

An accelerated course in the reading and writing of college-level prose that satisfies the Proficiency writing requirement for students in the University Honors Program. Study of the major literary genres, and composition of substantial papers and a library research paper.

Prereq: Eligibility for the University Honors program and an ACT English subscore of at least 24, or consent of University Honors Program Director; NOTE -- Students will be able to receive AP or other test credits for English 101 and 102, but they may not enroll in English 101 or 102 for credit after completing this course.

ENGLISH 111 GRAMMAR REVIEW FOR FORMAL WRITING 1 u

A five week intensive review of the principles of grammar, punctuation, and usage that are associated with formal English for future educators and business, and other professionals.

ENGLISH 161 ENGLISH FOR (Proficiency) 3 u INTERNATIONAL STUDENTS

Principles of written composition adapted to individual foreign students. Includes intensive drill in grammar and mechanics. Also involves individual practice in spoken English. Required of all students whose first language is not English. This course is comparable to and satisfies the English 101 University Proficiency Requirement.

ENGLISH 162 ENGLISH FOR (Proficiency) 3 u INTERNATIONAL STUDENTS

Continuation of ENGLISH 161. Vocabulary and idiom development through selective readings, and introduction to research methods. This course is comparable to and satisfies the English 102 University Proficiency Requirement.

ENGLISH 200 CHICANO LITERATURE: GH/Diversity 3 u HISTORICAL CONTEXT AND CONTEMPORARY TEXT*

Identifies and interprets Chicano literature in a social and historical context with emphasis on contemporary texts. All Spanish language texts are provided in translation. (Also offered as CHICANO 200 by Chicano Studies.) Unreq: CHICANO 200.

ENGLISH 201 CONTEMPORARY CHICANO LITERATURE* *GH/Diversity* 3 u

Analyzes contemporary Chicano drama, fiction and poetry within their cultural and historical context, examined from a traditional formalist approach and as a human expression. (Also offered as 854-201 by Chicano Studies.)

Unreq: CHICANO 201.

ENGLISH 206 BRITISH LITERATURE SURVEY I* *GH* 3 u

A survey of British literature from the Old English period through the eighteenth century.

ENGLISH 216 BRITISH LITERATURE SURVEY II* *GH* 3 u

A survey of British literature from the Romantic period to the present.

ENGLISH 226 AMERICAN LITERATURE SURVEY I* *GH* 3 u

A survey of American literature from the seventeenth century through the Civil War to acquaint the student with the foremost writers of our literary culture.

ENGLISH 236 AMERICAN LITERATURE II* *GH* 3 u

A survey of American Literature from the Civil War to the present to acquaint the student with the foremost writers of our literary culture.

ENGLISH 251 CLASSICAL MYTH AND LEGEND AS SOURCES FOR LITERATURE* *GH* 3 u

An examination of classical myths and legends and how they are used in various periods and genres of English literature.

ENGLISH 252 THE BIBLE AS LITERATURE* *GH* 3 u

This course will survey the Bible and some other related Near Eastern literature, focusing on the development of genres, motifs, and other literary forms that have influenced the form and content of Western literature, including the parable, the proverb, the loss of Eden, exile and return, origin stories, and hero stories.

Unreq: RELIGST 252.

ENGLISH 263 THE CONTEMPORARY NOVEL* *GH* 3 u

A study of significant British and American novels and novelists of the last decade.

ENGLISH 264 WOMEN IN LITERATURE: A FEMINIST RE-EVALUATION** *GH* 3 u

A study of women's experience as portrayed by women writers in various genres of Western literature. Includes such themes as growing up, love, marriage, motherhood, friendship, and spiritual development.

ENGLISH 265 MULTICULTURAL LITERATURE OF THE UNITED STATES* *GH/Diversity* 3 u

Multicultural Literature of the U.S. offers a wide range of literary texts (dramas, essays, novels, poetry and short stories) by people of color to offer students the opportunity to study and appreciate the experiences and challenges of diverse groups of people in American society: African-American, Asian American, Native American, and Latino/a. This body of literary works will be studied through the historical/political prism of each group so that students will be acquainted with the background of the literature.

ENGLISH 271 CRITICAL WRITING IN THE FIELD OF ENGLISH* 3 u

This course will help students become proficient in the skills of research, organization, writing, and revising that they will need in upper-division English courses. Students will learn both the general conventions of academic writing about literature (literary criticism) and the specific methods of some of the most important kinds of literary criticism.

ENGLISH 274 CREATIVE WRITING* *GH* 3 u

Study, discussion and writing of description, narration, verse and the short story.

ENGLISH 281 INTRODUCTION TO LANGUAGE STUDY* *GH* 3 u

An introduction to the basic tools and concepts for the study of language through study of the sounds, grammar, vocabulary, history, and cultural context of English.

ENGLISH 300 SPECIAL TOPICS* 3 u

Analysis and discussion of a cultural, social, moral, philosophical or other significant topic, as expressed in a variety of literary forms, in relation to the individual and society; the particular topic to be published before registration.

Repeatable only with change of topic.

ENGLISH 310/510 LITERATURE FOR ADOLESCENTS* 3 u

This course will explore the history and development of adolescent literature, with special emphasis on the period since 1960. Recent novels which have proven popular and influential with young people and teachers will be analyzed using literary and educational criteria. Participants will consider works within the context of intellectual freedom and potential censorship.

ENGLISH 315/515 THE DEVELOPMENT OF THE ENGLISH NOVEL TO THE TWENTIETH CENTURY 3 u

A survey of the development of the English novel from the eighteenth century to the twentieth, with emphasis on the development of themes and techniques. Studies of selected works by Defoe, Richardson, Fielding, Sterne, Austen, Scott, Dickens, Thackeray, Eliot, Hardy, Conrad, and/or others.

Prereq: ENGLISH 216 or ENGLISH 226 or consent of instructor.

ENGLISH 321 ANCIENT WESTERN LITERATURE* *GH* 3 u

A rapid survey of world literatures other than English and American covering major literary periods from ancient times through the Renaissance.

ENGLISH 322 MODERN WESTERN LITERATURE* *GH* 3 u

A rapid survey of literatures other than English and American covering the major literary periods from Neoclassicism (seventeenth century) to present.

ENGLISH 323 ASIAN LITERATURES* *GH* 3 u

The course will cover a selection of classical and modern works from various genres and periods in the three national literatures. Each of these works will be discussed both in its literary tradition and in its cultural and historical contexts. The intent will also be to broaden students' global perspective by showing connections between their lives and the literatures of other cultures. The course will stress a comparative approach among the three literatures and between each one and Western literatures and cultures.

ENGLISH 324 POSTCOLONIAL LITERATURES* 3 u

This course introduces students to new literatures in English and to new ways of reading canonical British/American literature. The focus is on developing an understanding of colonial discourse through a study of its literary manifestations, its impact on colonized cultures, and the resistance strategies of colonized peoples to subvert colonial power.

Prereq: sophomore standing

ENGLISH 341 THE AMERICAN RENAISSANCE 3 u

An exploration of major works by writers of mid-nineteenth-century America, such as Emerson, Thoreau, Whitman, Melville, and Dickinson, with consideration of their historical context.

Prereq: ENGLISH 216 or ENGLISH 226 or consent of instructor.

- ENGLISH 342/542 AMERICAN REALISM AND NATURALISM** 3 u
An exploration of developments in American literature in the period following the Civil War to 1910. In addition to naturalism and realism, the course will include more recent additions to the canon: women's fiction and African-American writing of the period.
Prereq: ENGLISH 101, ENGLISH 102, ENGLISH 226 or permission of instructor
- ENGLISH 345/545 AFRICAN-AMERICAN LITERATURE, 1800 TO THE PRESENT**** 3 u
A survey of essays, prose fiction, drama, and poetry written by African-Americans from the Colonial period to the present.
Unreq: AFRIAMR 345/545.
- ENGLISH 346/546 - THEATRE 346/546 SURVEY OF MODERN DRAMA*** 3 u
Analysis of trends and developments in the modern theatre from Ibsen's realistic plays to off-off-Broadway drama with emphasis on literary history and staging problems. May be taught with Theatre faculty. Unreq: THEATRE 346/546
- ENGLISH 347/547 BRITISH MODERNISM** 3 u
A survey of the major developments in British Literature from 1900 to World War II, with an emphasis on the rise of modernism.
Prereq: ENGLISH 216 or ENGLISH 236
- ENGLISH 348/548 AMERICAN MODERNISM** 3 u
A survey of the major developments in American Literature from 1900 to World War II, with an emphasis on the rise of Modernism.
Prereq: ENGLISH 226 or ENGLISH 236
- ENGLISH 360 POSTWAR BRITISH LITERATURE (1945-PRESENT)** 3 u
This course is designed to deepen students' engagement with the rich tradition of British fiction, drama, and poetry of the last fifty years. Focusing on such writers as Orwell, Beckett, Drabble, Churchill, and Gordimer, it invites students to debate the role literature plays within a rapidly changing British society. We will also consider the significance of such postwar developments as: the demise of imperialism, the rise of postmodernism, and diversification of British society.
Prereq: ENGLISH 101, ENGLISH 102, or consent of instructor
- ENGLISH 363 AMERICAN LITERATURE IN THE POSTMODERN AGE (1945-PRESENT)** 3 u
This course is designed to acquaint students with the rich tradition of American fiction and poetry of the last fifty years. Focusing on such figures as Ellison, Plath, Morrison, Pynchon, Baraka, and Delillo, this course invites students to debate the role that literature plays in a postwar American society. In doing so, we will focus on how writers address such postwar developments as: dawn of the nuclear age, Vietnam, the rise of mass culture, and rapid technologizing of American society.
Prereq: ENGLISH 101, ENGLISH 102, or consent of the instructor
- ENGLISH 368/568 AMERICAN MINORITY WOMEN WRITERS*** 3 u
A survey of poetry, fiction, drama, and essays written by African-American, Hispanic-American, Native American and Asian-American women.
Prereq: cons instr. Unreq: RACEETH 368/568.
- ENGLISH 369 MULTICULTURAL DRAMA OF THE UNITED STATES** 3 u
The course examines the theatrical forms and the dramatic literature of African-Americans, Asian-Americans, Latinos/as, and Native Americans, and places them in the context of American theatre and U.S. social/political history.
Prereq: ENGLISH 102 and a 200-level English course or THEATRE 346 or THEATRE 471 or THEATRE 472 or THEATRE 478. Unreq: THEATRE 369.
- ENGLISH 370 ADVANCED COMPOSITION*** 3 u
A course in advanced exposition and argumentation. Conventional grade basis only if course is required in the College of Business for major.
- ENGLISH 372/572 TECHNICAL AND SCIENTIFIC WRITING*** 3 u
Practice in expository, descriptive, and report writing, with special application to technical and scientific subject matter.
- ENGLISH 373/573 POETRY WRITING*** 3 u
An intensive course in the writing of poetry requiring a minimum of 250 lines of good verse (after revision). The course will consider examples from some of the best contemporary verse, as well as criticism by students and the instructor of student work.
Prereq: Cons instr.
- ENGLISH 375/575 FICTION WRITING*** 3 u
Theory, techniques, and practice of the writing of fiction. Requires a minimum of 50 pages of student writing, after careful revisions.
Prereq: consent of the instructor only.
- ENGLISH 376/576 SCREENWRITING*** 3 u
Practical experience in writing scripts for cinema and/or television, with special emphasis on the creative, theoretical, and critical processes.
- ENGLISH 377 INTRODUCTION TO PLAYWRITING** 3 u
Students will be introduced to the elements of a play, learn to analyze and evaluate dramatic structure, and write short plays. They will also experience the collaborative nature of the play development process by having their work read by actors and critiqued by an audience of classmates.
Prereq: ENGLISH 101, ENGLISH 102, ENGLISH 274 or THEATRE 110 and junior standing
- ENGLISH 378/578 PROSE STYLISTICS** 3 u
Introduction to analysis of prose style through intensive study of a broad range of contemporary styles ranging from popular to business, technical and academic styles. Application of the principles of style in student writing.
Prereq: Completion of upperclass writing requirement in your major.
- ENGLISH 379 RHETORIC FOR WRITERS** 3 u
Rhetoric for Writers provides a historical and philosophical introduction to rhetoric and demonstrates how rhetorical concepts can be applied to contemporary and practical writing situations. The focus is on helping students enhance their academic and real-world writing skills by heightening their awareness of how language shapes reality. This course emphasizes editing and writing.
Prereq: ENGLISH 101, ENGLISH 102 (or ENGLISH 161, ENGLISH 162) and ENGLISH 271
- ENGLISH 382/582 HISTORY OF THE LANGUAGE*** 3 u
A detailed study of change and the conditions for change in the sounds, vocabulary, and grammar of English from its first records through the present.
Prereq: ENGLISH 281 or cons. instr.
- ENGLISH 383/583 MODERN GRAMMATICAL THEORY*** 3 u
A study of traditional, structural and transformational-generative grammars.
Prereq: ENGLISH 281 or cons. instr.
- ENGLISH 385/585 TOPICS IN LINGUISTICS (VARIABLE TOPIC)*** 3 u
Advanced study of a branch of linguistics or of the application of a branch of linguistics to a cognate field, e.g., pedagogy or literary criticism, the particular topic to be published before registration.
Repeatable only with change of topic.
Prereq: ENGLISH 281, or cons instr; either ENGLISH 381, ENGLISH 382, or ENGLISH 383 is strongly recommended as preparation for this course.

ENGLISH 401/601 THE HEROIC AGE 3 u

This course will introduce students to the literary and socio-cultural milieu of Anglo-Saxon and medieval Britain. Through analysis of major figures of the period, including the Beowulf poet and Chaucer, the students will better appreciate the period in which the English language and British literature was formed.

Prereq: ENGLISH 206 or ENGLISH 251 or ENGLISH 252 or consent of instructor and junior standing.

ENGLISH 402/602 RENAISSANCE AND REFORMATION 3 u

Sixteenth Century British Literature introduces the students to literature of all genres written in Britain during the period. The course will acquaint students with the historic, philosophical, political and aesthetic principles in this period to enlighten and interest students and to develop their critical thinking skills.

Prereq: ENGLISH 206 and junior standing or consent of instructor.

ENGLISH 404/604 SHAKESPEARE 3 u

A study of the works of Shakespeare which will include representative genres and which will not duplicate works studied in ENGLISH 405.

Prereq: ENGLISH 206 and junior standing or consent of instructor.

ENGLISH 405/605 SHAKESPEARE 3 u

A study of the works of Shakespeare which will include representative genres and which will not duplicate works studied in ENGLISH 404.

Prereq: ENGLISH 206 and junior standing or consent of instructor.

ENGLISH 412/612 REVOLUTION AND RESTORATION 3 u

This course will introduce students to the literacy and socio-cultural milieu of seventeenth-century Britain. Through analysis of authors such as John Milton and Aemelia Lanyer, the student will come to better appreciate a vital period in the formation of our modern selves.

Prereq: ENGLISH 206 or ENGLISH 251 or ENGLISH 252 or consent of instructor.

ENGLISH 414/614 ENLIGHTENMENT AND EMPIRE 3 u

Eighteenth Century British Literature introduces students to literature of all genres written in Britain during the Restoration and eighteenth century. The course should acquaint students with, among others, the historic, philosophic, political and aesthetic principles in this literature to enlighten and interest students, and to develop their critical thinking skills.

Prereq: ENGLISH 101, ENGLISH 102 (or ENGLISH 161, ENGLISH 162) and ENGLISH 206 or ENGLISH 251 or ENGLISH 252 and junior standing or consent of instructor.

ENGLISH 416/616 THE AGE OF ROMANTICISM 3 u

A study of the prose and poetry of the major writers of the Romantic period in English literature.

Prereq: Junior standing and ENGLISH 216 or ENGLISH 226 or consent of instructor.

ENGLISH 420/620 VICTORIAN AND EDWARDIAN LITERATURE 3 u

A survey of Anglo-Irish literature in the Victorian and Edwardian periods (c. 1830-1914), emphasizing the movement of ideas in the period from romanticism to modernism.

Prereq: Junior standing and ENGLISH 216 or ENGLISH 226 or consent of instructor.

ENGLISH 460/660 MAJOR AUTHORS 3 u

Intensive study of the works of a major writer or related writers and their contributions to literature and culture, the particular topic to be published before registration. Repeatable only with a change of topic.

Prereq: ENGLISH 216 or ENGLISH 226 or consent of instructor

ENGLISH 463/663 19TH CENTURY WOMEN WRITERS 3 u

A survey of the works of American and English women writers of the 19th century.

Prereq: ENGLISH 216 or ENGLISH 226 or WOMENST 100 or consent of instructor.

ENGLISH 464/664 TWENTIETH CENTURY WOMEN WRITERS 3 u

A study of significant American and British women writers of the twentieth century.

Prereq: ENGLISH 216 or ENGLISH 226 or WOMENST 100 or consent of instructor.

ENGLISH 471/671 CURRENT THEORIES OF COMPOSITION FOR TEACHERS 3 u

A course in theories and methods of teaching composition, including practice in the evaluating of student writing. Recommended for jrs. and srs. only.

Prereq: Junior standing and completion of upperclass writing requirement in your major.

ENGLISH 477/677 THE CURRENT WRITING SCENE* 3 u

An intensive study of the range of current writing, with practice in written composition which may qualify students for professional employment.

Prereq: ENGLISH 378.

ENGLISH 478/678 APPLIED PROSE WRITING FOR DESKTOP PUBLISHING* 3 u

A practical course in preparing writing for printing and publication. Students will learn how to edit and proofread prose to make it readable and stylistically appropriate for its readership and purpose. Using desktop publishing technology, students will produce camera-ready publications combining text and illustrations.

Prereq: ENGLISH 378.

ENGLISH 479 CREATIVE NONFICTION 3 u

This workshop introduces students to the history, theory, tradition and practice of creative nonfiction in its many forms, including the edited journal, personal essay and memoir, nature essay, literary journalism, and academic/cultural criticism. Through a mix of seminar-style discussions, graduated writing assignments, and intensive workshop response and revision, students work to develop a substantive portfolio (40-50 pages) of their own work by the end of the term.

Prereq: ENGLISH 101, ENGLISH 102, ENGLISH 274 or consent of the instructor

ENGLISH 481/681 LANGUAGE AND LITERACY 3 u

In *Language and Literacy*, students examine the interconnectedness of language and social context, including the relationship between literacy and speech, for teaching English as a second language. Of specific interest to ESL practitioners, this course may be of interest to those teaching English at the secondary level, also.

Prereq: ENGLISH 101, ENGLISH 102 (or ENGLISH 161, ENGLISH 162), ENGLISH 281 or consent of instructor.

ENGLISH 483 CONTROVERSIES IN CRITICISM 3 u

As the capstone course for English Literature and English Education majors, *Controversies in Criticism* is a seminar that focuses on a major critical debate. The students will examine a cluster of critical responses to a specific controversy and draw on their knowledge of literature to shed discipline. The specific controversy addressed will vary.

Prereq: Senior Status and ENGLISH 271

ENGLISH 488/688 ADVANCED WRITERS' STUDIO* 3 u

A closely guided program of instruction in writing, determined in consultation with the instructor, ranging from creative writing to scholarly analysis.

Repeatable two times for a maximum of 6 units in major.

Prereq: Jr or sr st; ENGLISH 378, and three other English courses numbered 300 or above.

ENGLISH 490/690 WRITING WORKSHOP* *Repeatable* 1-3 u
Variable topics published prior to registration.

ENGLISH 491/691 TRAVEL STUDY *Repeatable* 1-3 u

ENGLISH 493 APPLIED STUDY: INTERNSHIP IN WRITING* 1-6 u

Offered on a satisfactory/no credit basis only. Internships, as available, in business or government for suitably prepared students wishing to make careers as writers.

Repeatable for a maximum of six units in degree.

Prereq: Consent of department chairperson.

ENGLISH 496/696 SPECIAL STUDIES* 2-4 u
Repeatable only with change of topic.

ENGLISH 497 EXCHANGE STUDIES 1-12 u
Repeatable.

ENGLISH 498 INDEPENDENT STUDIES* 1-3 u
Repeatable. Prereq: Cons instr and dept. approval of the student's Independent Study Proposal form prior to registering for the course.

* *ENGLISH 101 and ENGLISH 102 (or ENGLISH 161 and ENGLISH 162) are prerequisites for this course.*

** *Meets the Human Relations requirement.*

FOREIGN LANGUAGES

Phone: 262-472-1033

E-Mail: forlang@umw.edu

Arabic
German
Spanish

Chinese
Japanese

French
Russian

Faculty: Nayla Chehade, Carlos de Onis, Jian Guo, Nancy Heingartner, Peter Hoff, Eric Jacobsen, Elaine Johnson, Masako Lackey, Regis Lecoanet, Kristi McAuliffe, Pilar Melerao, Manuel Ossers, Mohammad Salama, Sheila Turek.

Courses in foreign languages are intended to provide the basic skills of listening, speaking, reading and writing as well as an introduction to the literature and the culture of the countries in question. The study of a foreign language may lead to a career in teaching or it may provide the student with a valuable supporting skill in many fields, such as business, public service, librarianship, social work, law, journalism, or the health professions. Reading knowledge of a foreign language is a requirement for many graduate degrees.

Placement Exam

Students with no previous university-level coursework in Spanish, French or German who wish to continue with the language(s) acquired previously must take the appropriate foreign language placement exam and will be placed accordingly. Native speakers of these foreign languages should speak with the Foreign Language Coordinator regarding placement. The placement test is given to help the student select the proper course, but departmental advising is still recommended.

Students of other foreign languages should speak with the course instructor about placement.

Credit for Previous Language Study

The Department of Languages and Literatures grants up to 16 units in French, German, Japanese or Spanish (4 units in Chinese) for previous language study or other language experience provided the student earns

at least a "B" in a follow-up course at UW-W. Students may enroll in any course except phonetics and the 390 conversation course to receive units for previous language study. (See previous section: Placement Exam). The B grade must be earned in the first course taken at the university level.

GENERAL FOREIGN LANGUAGE

FORNLANG 101 BEGINNING JAPANESE I *GH* 4 u

Japanese 101 is the first term of a two-term, beginning Japanese language course which emphasizes oral skills but also introduces the written language (*hiragana* and *katakana* syllabaries). It also exposes students to the culture of Japan.

FORNLANG 102 BEGINNING JAPANESE II *GH* 4 u

Japanese 102 is the second term of a two-term, beginning Japanese language course which emphasizes oral skills but also introduces the written language (*hiragana* and *katakana* syllabaries). It also exposes students to the culture of Japan.

Prereq: FORNLANG 101 or its equivalent

FORNLANG 103 BEGINNING JAPANESE III *GH* 4 u

This is the third term of UWW's Japanese language instruction sequence. Entering students are expected to have mastered the basics of the writing system (*hiragana* and *katakana* and approximately 300 *Kanji* characters), know elementary grammar and have a basic vocabulary with listening, reading, writing and speaking skills. This course develops the four skill areas (listening, speaking, reading and writing) in order to cultivate an overall Japanese language ability. Using the course materials, which include the most frequently used daily vocabulary, students will apply what they have to their daily activity. The course prepares students for Intermediate-Level Japanese.

Prereq: FORNLANG 102 or a equivalent

FORNLANG 141 BEGINNING CHINESE *GH* 4 u

This course begins comprehensive training in elementary "common speech" (Mandarin) Chinese. It adopts *pinyin* (Chinese Phonetic Alphabet) as the standard phonetic system and covers one hundred and fifty characters, commonly used sentence patterns, and the basic grammar of both spoken and written Chinese. This course also introduces students to the social and cultural context in which the language is shaped and used.

FORNLANG 142 BEGINNING CHINESE *GH* 4 u

This course continues comprehensive training in elementary "common speech" (Mandarin) Chinese. It adopts *pinyin* (Chinese Phonetic Alphabet) as the standard phonetic system and covers five hundred characters, commonly used sentence patterns, and the basic grammar of both spoken and written Chinese. This course also introduces students to the social and cultural context in which the language is shaped and used.

Prereq: FORNLANG 141 or equivalent.

FORNLANG 201 INTERMEDIATE JAPANESE *GH* 4 u

This is the fourth term of UWW's Japanese language instruction sequence. Entering students are expected to have mastered the writing system (with approximately 600 *Kanji* characters of the 2000 needed to be able to read newspapers and be considered fully literate). This course develops the four skill areas (listening, speaking, reading and writing) to cultivate an overall Japanese language ability. Students will continue to build vocabulary, master more serious grammar, and work on writing/reading skills. The course prepares students for continued study of Japanese (either third year at another American university or in a Study Abroad program).

Prereq: FORNLANG 103 or equivalent

FORNLANG 496 SPECIAL STUDIES 1-4 u

Repeatable. Prereq: Consent of instructor.

FORNLANG 497 EXCHANGE STUDY *Repeatable* 1-12 u

FORNLANG 498 INDEPENDENT STUDY *Repeatable* 1-3 u

MAJOR**FRENCH (BA/BS)**

MAJOR - 26 UNITS BEYOND 252

1. SELECT 6 UNITS OF FRENCH LITERATURE COURSES NUMBERED 400 EXCEPT FOR COURSE FRENCH 493, FRENCH 496, FRENCH 497, FRENCH 498
2. FRENCH 340 OR FRENCH 350
3. SELECT 17 UNITS OF FRENCH BEYOND FRENCH 252

WRITING PROFICIENCY - 3 UNITS

1. ENGLISH 370

AN APPROVED MINOR IS REQUIRED FOR THIS MAJOR

FRENCH (BSE)

LICENSURE - 38 UNITS

1. SECNDED 466
2. EDFOUND 243 OR EDFOUND 445
3. EDFNDPRC 210
4. STUDENT TEACHING
SELECT 2 UNITS FROM CIFLD 402 AND 12 UNITS FROM CIFLD 414 OR SELECT 2 UNITS FROM CIFLD 404 AND 12 UNITS FROM CIFLD 412
5. SECNDED 427
6. EDFOUND 212 AND EDFOUND 425
7. SELECT 3 UNITS FROM COURSE CIFLD 492
8. SPECED 205

MAJOR - 26 UNITS BEYOND 252

1. SELECT 6 UNITS OF FRENCH LITERATURE COURSES NUMBERED 400 EXCEPT FOR COURSE FRENCH 493, FRENCH 496, FRENCH 497, FRENCH 498
2. FRENCH 310
3. FRENCH 340 OR FRENCH 350
4. SELECT 14 UNITS OF FRENCH BEYOND FRENCH 252

MAJOR - LICENSURE

1. STUDENTS WHO ENTERED COLLEGE AFTER 7-1-87 OR UW-W AFTER 7-1-88 SHOULD BE AWARE OF FOREIGN RESIDENCY REQUIREMENT; SEE ADVISER FOR INFO

WRITING PROFICIENCY - 3 UNITS

1. ENGLISH 370

AN APPROVED MINOR IS REQUIRED FOR THIS MAJOR

MINOR/EMPHASIS**FRENCH**

MINOR - 12 UNITS BEYOND 252

1. SELECT 12 UNITS FROM COURSES BEYOND FRENCH 252

FRENCH EDUCATION EMPHASIS

MINOR - 12 UNITS BEYOND 252

1. FRENCH 310, FRENCH 321 AND FRENCH 322
2. SELECT 3 UNITS FROM COURSES BEYOND FRENCH 252

MINOR -

1. STUDENTS WHO ENTERED COLLEGE AFTER 7-1-87 OR UW-W AFTER 7-1-88 SHOULD BE AWARE OF FOREIGN RESIDENCY REQUIREMENT; SEE ADVISER FOR INFO

COURSE DESCRIPTIONS

FRENCH 141 BEGINNING FRENCH *GH* 4 u
An elementary course with oral emphasis. Grammar, reading, writing, conversation.

FRENCH 142 BEGINNING FRENCH *GH* 4 u
Continuation of FRENCH 141.
Prereq: FRENCH 141 or equivalent.

FRENCH 251 INTERMEDIATE FRENCH *GH* 4 u
Grammar review, reading, oral and written exercises, conversation.
Prereq: FRENCH 142 or equivalent.

FRENCH 252 INTERMEDIATE FRENCH *GH* 4 u
Continuation of FRENCH 251.
Prereq: FRENCH 251 or equivalent.

FRENCH 310 FRENCH PHONETICS 3 u
A study of the elements of speech sounds and intonation patterns in French with application to understanding and speaking. Use of phonetic transcription. Emphasis on perfecting the student's ability to render French orally.
Prereq: FRENCH 252 or equivalent or consent of instructor.

FRENCH 321 ADVANCED FRENCH LANGUAGE STUDY *GH* 3 u
A thorough study of the structure of the language. Practical application through conversation and composition.
Prereq: FRENCH 252 or equivalent.

FRENCH 322 ADVANCED FRENCH LANGUAGE STUDY *GH* 3 u
Continuation of FRENCH 321.
Prereq: FRENCH 321 or consent of instructor.

FRENCH 331 READINGS IN MODERN FRENCH 3 u
Language study through reading and discussion in French of selected texts in modern French. Emphasis on vocabulary acquisition and grammatical usage.
Prereq: FRENCH 252 or equivalent.

FRENCH 332 READINGS IN MODERN FRENCH 3 u
Similar to FRENCH 331; with different texts.
Prereq: FRENCH 252 or equivalent

FRENCH 340 CONTEMPORARY FRENCH CIVILIZATION 2-3 u
A study of the French way of life today as reflected in its cultural, religious, educational, political and social institutions.
Prereq: One 300 level course or cons instr.

FRENCH 350 FRENCH CIVILIZATION 3 u
Study of the political, social, intellectual, artistic and literary development of France, from the Middle Ages to the present.
Prereq: 6 units of 300 level course in French or cons instr.

FRENCH 370 INTRODUCTION TO BUSINESS FRENCH 3 u
A course for those students who plan to use their proficiency of French in a business career. This course provides an introduction to concepts and terminology associated with doing business in French-speaking countries,

affords practice in employing those concepts and terminology in the oral, reading and writing skills, and offers a brief overview of the culture and structure of the French business world.

Prereq: 9 units of 300 or 400 level French courses, or cons instr.

FRENCH 390 FRENCH CONVERSATION 1 u

A course designed to maintain and increase oral fluency in French. Emphasis on spontaneous use of the language.

Repeatable five times for maximum of 6 units in major/degree.

Prereq: Completion of six hours of 300 level courses or cons instr.

FRENCH 451 SURVEY OF FRENCH LITERATURE 3 u

General history of French literature from its beginning to the end of the eighteenth century. Reading of representative works of prose and poetry.

Prereq: 9 units of 300 level courses in French.

FRENCH 452 SURVEY OF FRENCH LITERATURE 3 u

General history of French literature from the end of the eighteenth century to the present day. Reading of representative works of prose and poetry.

Prereq: 9 units of 300 level courses in French.

FRENCH 481 FRENCH CLASSICS 3 u

Study of the concept of classicism through the life, works and ideas of the major 17th century authors. Emphasis on the theatre, i.e., the plays by Corneille, Moliere and Racine.

Prereq: 9 units of 300 level courses in French.

FRENCH 482 CONTEMPORARY FRENCH LITERATURE 3 u

Study of selected texts of the major writers of the twentieth century.

Prereq: 9 units of 300 level courses in French.

FRENCH 490/690 WORKSHOP 1-3 u

Repeatable. Prereq: Consent of instructor.

FRENCH 491/691 TRAVEL STUDY Repeatable 3 u

FRENCH 493 INTERNSHIP IN FRENCH 1-3 u

Internships are available in business, government or social service agencies for suitably prepared students wishing to pursue a career that involves foreign languages. Repeatable for a maximum of 6 units in major/degree. Satisfactory/No Credit Grade Basis Only.

Prereq: Six units of French at the 300 or 400-level, and consent of instructor.

FRENCH 494/694 SEMINAR 1-3 u

Repeatable. Prereq: 9 units of 300 level courses or cons instr.

FRENCH 496/696 SPECIAL STUDIES 1-3 u

Repeatable. Prereq: 6 units of 300 level courses in French or cons instr.

FRENCH 497 EXCHANGE STUDY Repeatable 1-12 u

FRENCH 498 INDEPENDENT STUDY 1-3 u

Repeatable for a maximum of 6 units in major/degree. Prereq: Major or minor in French and consent of department

MAJOR

GERMAN (BA/BS)

MAJOR - 26 UNITS BEYOND 252

1. SELECT 6 UNITS OF GERMAN LITERATURE COURSES NUMBERED 400 EXCEPT FOR COURSE GERMAN 493, GERMAN 496, GERMAN 497 AND GERMAN 498
2. GERMAN 350

3. SELECT 17 UNITS OF GERMAN BEYOND GERMAN 252

WRITING PROFICIENCY - 3 UNITS

1. ENGLISH 370

AN APPROVED MINOR IS REQUIRED FOR THIS MAJOR

GERMAN (BSE)

LICENSURE - 38 UNITS

1. SECNDED 466
2. EDFOUND 243 OR EDFOUND 445
3. EDFNDPRC 210
4. STUDENT TEACHING
SELECT 2 UNITS FROM CIFLD 402 AND 12 UNITS FROM CIFLD 414 OR SELECT 2 UNITS FROM CIFLD 404 AND 12 UNITS FROM CIFLD 412
5. SECNDED 427
6. EDFOUND 212 AND EDFOUND 425
7. SELECT 3 UNITS FROM COURSE CIFLD 492
8. SPECED 205

MAJOR - 26 UNITS BEYOND 252

1. SELECT 6 UNITS OF GERMAN LITERATURE COURSES NUMBERED 400 EXCEPT FOR COURSE GERMAN 493, GERMAN 496, GERMAN 497 AND GERMAN 498
2. GERMAN 310
3. GERMAN 350
4. SELECT 14 UNITS OF GERMAN BEYOND GERMAN 252

MAJOR - LICENSURE

1. STUDENTS WHO ENTERED COLLEGE AFTER 7-1-87 OR UW-W AFTER 7-1-88 SHOULD BE AWARE OF FOREIGN RESIDENCY REQUIREMENT; SEE ADVISER FOR INFO

WRITING PROFICIENCY - 3 UNITS

1. ENGLISH 370

AN APPROVED MINOR IS REQUIRED FOR THIS MAJOR

MINOR/EMPHASIS

GERMAN

MINOR - 12 UNITS BEYOND 252

1. SELECT 12 UNITS FROM COURSES BEYOND GERMAN 252

GERMAN EDUCATION EMPHASIS

MINOR - 12 UNITS BEYOND 252

1. GERMAN 310, GERMAN 321 AND GERMAN 322
2. SELECT 3 UNITS FROM COURSES BEYOND GERMAN 252

MINOR -

1. STUDENTS WHO ENTERED COLLEGE AFTER 7-1-87 OR UW-W AFTER 7-1-88 SHOULD BE AWARE OF FOREIGN RESIDENCY REQUIREMENT; SEE ADVISER FOR INFO

COURSE DESCRIPTIONS

GERMAN 141 BEGINNING GERMAN GH 4 u
Introduction to the fundamental structure of German, equally emphasizing

the skills of listening, speaking, reading, and writing.

GERMAN 142 BEGINNING GERMAN GH 4 u
Continuation of GERMAN 141.
Prereq: GERMAN 141 or equiv.

GERMAN 251 INTERMEDIATE GERMAN GH 4 u
Systematic deepening and improving of the four language skills with emphasis on the grammatical structure. Selected reading.
Prereq: GERMAN 142 or equiv.

GERMAN 252 INTERMEDIATE GERMAN GH 4 u
Continuation of GERMAN 251 including outside reading in the area of the student's interest.
Prereq: GERMAN 251 or equiv.

GERMAN 310 GERMAN PHONETICS 3 u
Brief history of the German language, study of German speech sounds, oral practice including lab work. Very important for future German teachers.
Prereq: GERMAN 252 or equivalent or consent of instructor.

GERMAN 321 ADVANCED GERMAN LANGUAGE STUDY GH 3 u
A thorough study of the structure of German with practice in oral and written application.
Prereq: GERMAN 252 or equiv.

GERMAN 322 ADVANCED GERMAN LANGUAGE STUDY GH 3 u
Continuation of GERMAN 321.
Prereq: GERMAN 321 or cons instr.

GERMAN 331 READINGS IN MODERN GERMAN LITERATURE 3 u
Reading and discussion of plays and short stories for comprehension and vocabulary building.
Prereq: GERMAN 252 or equiv.

GERMAN 332 READINGS IN MODERN GERMAN LITERATURE 3 u
Reading and discussion of selected plays, short stories and poems for comprehension and vocabulary building.
Prereq: GERMAN 331 or equiv. or GERMAN 252 and cons instr.

GERMAN 350 GERMAN CIVILIZATION 3 u
The political and cultural development of the German-speaking people with emphasis on present-day Germany, Austria and Switzerland.
Prereq: 6 units of 300 level courses in German or cons instr.

GERMAN 390 GERMAN CONVERSATION 1 u
A course designed to maintain and increase oral fluency in German. Emphasis on spontaneous use of the language.
Repeatable five times for a maximum of 6 units in major/degree.
Prereq: Completion of six hours of 300 level courses in German or cons instr.

GERMAN 451 SURVEY OF GERMAN LITERATURE 3 u
General history of German literature from its beginnings to the end of the eighteenth century. Readings from representative works.
Prereq: 9 units of 300 level courses in German or cons instr.

GERMAN 452 SURVEY OF GERMAN LITERATURE 3 u
General history of German literature from the end of the eighteenth century to the present. Readings from representative works.
Prereq: 9 units of 300 level courses in German or cons instr.

GERMAN 490/690 WORKSHOP 1-3 u

Repeatable. Prereq: 9 units of 300 level courses or cons instr.

GERMAN 491/691 TRAVEL STUDY Repeatable 1-3 u

GERMAN 493 INTERNSHIP IN GERMAN 1-3 u
Internships are available in business, government or social service agencies for suitably prepared students wishing to pursue a career that involves foreign languages. Repeatable for a maximum of 6 units in major/degree. Satisfactory/No Credit Grade Basis Only.
Prereq: Six units of German at the 300 or 400-level, and consent of instructor.

GERMAN 494/694 SEMINAR 1-3 u
Repeatable one time. Prereq: Cons. instr.

GERMAN 496/696 SPECIAL STUDIES 1-3 u
Repeatable. Prereq: 6 units of 300 level courses in German or cons instr.

GERMAN 497 EXCHANGE STUDY Repeatable 1-12 u

GERMAN 498 INDEPENDENT STUDY 1-3 u
Repeatable for a maximum of 6 units in major/degree. Prereq: Majors and minors and cons. dept.

MAJOR

SPANISH (BA/BS)

MAJOR - 26 UNITS BEYOND 252

1. SELECT 6 UNITS OF SPANISH LITERATURE COURSES NUMBERED 400 EXCEPT FOR COURSE SPANISH 493, SPANISH 496, SPANISH 497 AND SPANISH 498
2. SPANISH 350 OR SPANISH 360
3. SELECT 17 UNITS OF SPANISH BEYOND SPANISH 252

MAJOR - WRITING PROFICIENCY - 3 UNITS

1. ENGLISH 370
- AN APPROVED MINOR IS REQUIRED FOR THIS MAJOR

SPANISH (BSE)

LICENSURE - 38 UNITS

1. SECNDED 466
2. EDFOUND 243 OR EDFOUND 445
3. EDFNDPRC 210
4. STUDENT TEACHING
SELECT 2 UNITS FROM CIFLD 402 AND 12 UNITS FROM CIFLD 414 OR SELECT 2 UNITS FROM CIFLD 404 AND 12 UNITS FROM CIFLD 412
5. SECNDED 427
6. EDFOUND 212 AND EDFOUND 425
7. SELECT 3 UNITS FROM COURSE CIFLD 492
8. SPECED 205

MAJOR - 26 UNITS BEYOND 252

1. SELECT 6 UNITS OF SPANISH LITERATURE COURSES NUMBERED 400 EXCEPT FOR COURSE SPANISH 493, SPANISH 496, SPANISH 497 AND SPANISH 498
2. SPANISH 310
3. SPANISH 350 OR SPANISH 360
4. SELECT 14 UNITS OF SPANISH BEYOND SPANISH 252

MAJOR - LICENSURE

1. STUDENTS WHO ENTERED COLLEGE AFTER 7-1-87 OR UW-W AFTER 7-1-88 SHOULD BE AWARE OF FOREIGN RESIDENCY REQUIREMENT; SEE ADVISER FOR INFO

WRITING PROFICIENCY - 3 UNITS

1. ENGLISH 370

AN APPROVED MINOR IS REQUIRED FOR THIS MAJOR

MINOR/EMPHASIS

SPANISH

MINOR - 12 UNITS BEYOND 252

1. SELECT 12 UNITS FROM COURSES BEYOND SPANISH 252

SPANISH EDUCATION EMPHASIS

MINOR - 12 UNITS BEYOND 252

1. SPANISH 310, SPANISH 321 AND SPANISH 322
2. SELECT 3 UNITS FROM COURSES BEYOND SPANISH 252

MINOR -

1. STUDENTS WHO ENTERED COLLEGE AFTER 7-1-87 OR UW-W AFTER 7-1-88 SHOULD BE AWARE OF FOREIGN RESIDENCY REQUIREMENT; SEE ADVISER FOR INFO

COURSE DESCRIPTIONS

SPANISH 141 BEGINNING SPANISH *GH* 4 u
An elementary course with oral emphasis. Grammar, reading, writing, conversation.

SPANISH 142 BEGINNING SPANISH *GH* 4 u
Continuation of SPANISH 141.
Prereq: SPANISH 141 or equiv.

SPANISH 251 INTERMEDIATE SPANISH *GH* 4 u
Grammar review, reading, oral and written exercises. Conversation.
Prereq: SPANISH 142 or equiv.

SPANISH 252 INTERMEDIATE SPANISH *GH* 4 u
Continuation of SPANISH 251.
Prereq: SPANISH 251 or equiv.

SPANISH 310 SPANISH PHONETICS 3 u
A study of the elements of speech sounds, the application of sounds to understanding and speaking, with emphasis on oral practice.
Prereq: SPANISH 252 or equivalent or consent of instructor.

SPANISH 320 SPANISH FOR SPANISH *GH* 3 u
The course presents students the opportunity to achieve a clear grasp of written and oral formal Spanish as well as comprehension of the origins, development, and richness of Spanish and the peoples that speak it. This setting also offers a culturally contextualized, structured forum for the exploration of topics pertaining to the linguistic and cultural identity of Spanish speakers within and without the United States.
Prereq: Consent of instructor

SPANISH 321 ADVANCED SPANISH LANGUAGE *GH* 3 u
STUDY

A thorough study of the structure of the language. Practical application through conversation and composition.
Prereq: SPANISH 252 or equiv.

SPANISH 322 ADVANCED SPANISH LANGUAGE *GH* 3 u
STUDY

Continuation of SPANISH 321.
Prereq: SPANISH 321 or cons instr.

SPANISH 331 PENINSULAR-SPANISH READINGS I 3 u

Language study through reading and discussion in Spanish of selected works of the nineteenth century. Emphasis on vocabulary acquisition.
Prereq: SPANISH 321 or equivalent or consent of instructor.

SPANISH 332 PENINSULAR-SPANISH READINGS II 3 u

Language study through reading and discussion in Spanish of selected works of the twentieth century. Emphasis on vocabulary acquisition.
Prereq: SPANISH 321 or equivalent or consent of instructor.

SPANISH 333 SPANISH-AMERICAN READINGS I 3 u

Language study through reading and discussion in Spanish of selected works of the late nineteenth and early twentieth centuries in Spanish America. Emphasis on vocabulary acquisition.
Prereq: SPANISH 321 or equivalent or consent of instructor.

SPANISH 334 SPANISH-AMERICAN READINGS II 3 u

Language study through reading and discussion in Spanish of selected works of the recent and contemporary twentieth century in Spanish America. Emphasis on vocabulary acquisition.
Prereq: SPANISH 321 or equivalent or consent of instructor.

SPANISH 350 SPANISH CIVILIZATION 3 u

Study of the political, social, intellectual, artistic and literary development of Spain from remote times to the present day.
Prereq: 6 units of 300 level courses in Spanish or cons instr.

SPANISH 360 SPANISH AMERICAN CIVILIZATION 3 u

An introduction to the geography, history, literature, sociology, economics and political life of Spanish America.
Prereq: 6 units of 300 level courses in Spanish or cons instr.

SPANISH 370 SPANISH FOR BUSINESS 3 u

A course for those students who plan to use or may need to use their proficiency in Spanish in a business career. This course provides an introduction to concepts and terminology associated with doing business in Spanish-speaking countries or with the Hispanic community in this country; affords practice in employing those concepts and terminology in the oral, reading and writing skills; and offers a brief overview of the culture and structure of the Hispanic business world.
Prereq: Six units of 300 or 400-level Spanish courses or consent of instructor.

SPANISH 390 SPANISH CONVERSATION 1 u

Designed to maintain and increase oral fluency in Spanish. Emphasis on spontaneous use of the language.
Repeatable five times for a maximum of 6 units in major/degree. Prereq: 6 units of 300 level courses or cons instr.

SPANISH 451 SURVEY OF SPANISH LITERATURE 3 u

General history of Spanish literature from its beginning to the end of the eighteenth century. Reading of representative works of each genre.
Prereq: 9 units of 300 level courses in Spanish.

SPANISH 452 SURVEY OF SPANISH LITERATURE 3 u
General history of Spanish literature from the end of the eighteenth century to the present day. Reading of representative works of each genre.
Prereq: 9 units of 300 level courses in Spanish.

SPANISH 453 SURVEY OF SPANISH AMERICAN LITERATURE 3 u
General survey of main developments, works and authors of the literature from the discovery of the New World until 1888.
Prereq: 9 units of 300 level courses in Spanish.

SPANISH 454 SURVEY OF SPANISH AMERICAN LITERATURE 3 u
General survey of main developments, works and authors of the literature from 1888 until the present time.
Prereq: 9 units of 300 level courses in Spanish.

SPANISH 481 SPANISH CLASSICS 3 u
Topics alternate: 1) Don Quixote, 2) Golden Age drama, 3) Golden Age prose. Repeatable with change of topic.
Prereq: 9 units of 300 level courses in Spanish.

SPANISH 483 CONTEMPORARY SPANISH AMERICAN NARRATIVE 3 u
Students will study in depth selected novels and short stories from the beginning of the Spanish American new narrative in the 1940's through its "boom" in the 1960's, to the present. Different works and/or authors will be studied each term the course is offered.
Prereq: 9 units of 300 level courses in Spanish.

SPANISH 490/690 WORKSHOP 1-3 u
Repeatable. Prereq: Consent of instructor.

SPANISH 491/691 TRAVEL STUDY *Repeatable* 1-3 u

SPANISH 493 INTERNSHIP IN SPANISH 1-3 u
Internships are available in business, government or social service agencies for suitably prepared students wishing to pursue a career that involves foreign languages. Repeatable for a maximum of 6 units in major/degree. Satisfactory/No Credit Grade Basis Only.
Prereq: Six units of Spanish at the 300 or 400-level, and consent of instructor.

SPANISH 494/694 SEMINAR 1-3 u
Repeatable one time. Prereq: Consent of instructor.

SPANISH 496/696 SPECIAL STUDIES 1-3 u
Repeatable. Prereq: 6 units of 300 level courses in Spanish or consent of instructor.

SPANISH 497 EXCHANGE STUDY *Repeatable* 1-12 u

SPANISH 498 INDEPENDENT STUDY 1-3 u
Repeatable for a maximum of 6 units in major/degree. Prereq: Major or minor in Spanish and approval of department.

ENGLISH AS A SECOND LANGUAGE

ESL 310/510 SURVEY OF EDUCATIONAL LINGUISTICS 3 u
In Survey of Educational Linguistics, students will examine certain core areas of linguistics (phonology, morphology and syntax), with special attention to language acquisition. Course assignments will relate to the teaching of linguistically diverse communities.
Prereq: ENGLISH 101 and ENGLISH 102 or consent of instructor
Unreq: CIGENRL 310/510

ESL 320/520 THE SPOKEN LANGUAGE AND DISCOURSE ANALYSIS 3 u
In The Spoken Language & Discourse Analysis, students will develop working knowledge of contemporary issues in the teaching of oral communication (speaking and listening skills) to learners of ESL. Linguistic principles studied are also pertinent for those teaching foreign languages.
Prereq: ENGLISH 101 and ENGLISH 102 or ENGLISH 161 and ENGLISH 162 and ENGLISH 281 or special permission from the instructor.
Unreq: CIGENRL 320/520

ESL 330/530 TEACHING GRAMMAR IN THE ESL/BE CLASSROOM 3u
Teaching Grammar in the ESL/BE Classroom is a component of the licensure minor in Teaching ESL/Bilingual-Bicultural Education. This course prepares teachers to instruct non-native learners in English grammar. Students examine selected grammatical topics to better comprehend the structure of English and to develop a repertoire of techniques for teaching them.
Prereq: ENGLISH 101 and ENGLISH 102 and Admission to the College of Education or consent of instructor
Unreq: CIGENRL 330/530

ESL 350/550 INTRODUCTION TO ESL AND BILINGUAL-BICULTURAL EDUCATION 3u
History, philosophy and rationale for bilingual/bicultural education. A study of different models of bilingual education programs as well as different types of bilinguals. Cultural, socioeconomic and psychological factors influencing learning in the bilingual child.
Unreq: CIGENRL 350/550, SECNDED 350/550

ESL 354/554 SEMINAR IN ESL AND BILINGUAL EDUCATION 3 u
In the Seminar in ESL and Bilingual Education, students meet to reflect upon the relationship between program content and contemporary issues in the educational and socio-political experiences of linguistically diverse communities in the region and state. Rotating themes include family, community and cultural change.
Coreq: first term - CIGENRL 350/550, second term - ESL 320/520 or ESL 330/530 or ESL 403/604, third term - CIFLD 492
Unreq: CIGENRL 354/554

ESL 403/603 ESL METHODS AND CURRICULUM 3 u
ESL Curricula and Materials will provide students with the background to develop or select appropriate curricula and to design materials which enhance language learning. The approach to curricular design and materials development is one that is learner centered.
Prereq: ENGLISH 101, ENGLISH 102, ENGLISH 281 and ESL 301.
Unreq: CIGENRL 403/603

ESL 405/605 ASSESSMENT IN THE ESL/ BILINGUAL CLASSROOM 3 u
This course explores policies, procedures, and instruments used to assess English language proficiency and academic achievement of limited English proficient students in American public schools. Included in this are the areas of English and native language competence; program placement, progress, and exit; alternative assessments in ESL, bilingual and mainstream classrooms.
Prereq: Admission to the College of Education or consent of instructor
Unreq: CIGENRL 405/605

ESL 455/655 TEACHING CONTENT IN THE BILINGUAL CLASSROOM 3 u
This course is an examination of various techniques and materials being used to teach content area subject matter in ESL/bilingual education programs. Other topics of discussion include language assessment and adaptation of materials to the learner's language proficiency and cultural experience. The course is taught in English, but discussion will take place in other languages so that students have the opportunity to expand and improve their command of the language used as a medium of instruction.
Unreq: CIGENRL 455/655, SECNDED 455/655

ESL 493/693 APPLIED STUDY IN ESL 1-6 u

Applied Study in ESL is a 1-6 variable unit course for students minoring in TESL. Students would enroll for at least 2 units. Through working with English language learners with a variety of backgrounds, such as: UW-Whitewater international students enrolled in ENGLISH 161 or ENGLISH 162, employees of local businesses, parents of children in the Whitewater schools, or other appropriate groups, students will put to practical use the teaching skills they have developed through other courses in the minor. Repeatable for a maximum of 6 units in minor.
Prereq: ENGLISH 101, ENGLISH 102, ENGLISH 281 and ESL 301.

ESL 496/696 SPECIAL STUDIES Repeatable. 1-3 u

PROGRAM OF MANAGEMENT COMPUTER SYSTEMS

Phone: 262-472-1467

E-Mail: mcs@uwm.edu

Faculty/Staff: Choton Basu, Robert Bryan, Athula Gunawardena, Robert Horton, Jonathan Kane, Robert Leitheiser (Coordinator), David Munro, George Sargent, Robert Siemann.

The Management Computer Systems (MCS) major is an interdisciplinary program combining faculty from Information Technology and Business Education in the College of Business and Economics with their colleagues from the Department of Mathematical and Computer Sciences in the College of Letters and Sciences. The major offers a unique blend of computing and management skills designed to harness computer technology to the needs of a wide variety of business, industrial, financial, governmental and educational organizations. Graduates are trained in the areas of programming, systems analysis/design and network management/administration with a strong background in business. Typical entry level positions include programmer, programmer/analyst, network engineer, network management/administration and PC support. The MCS major can be taken in either the College of Business and Economics for a BBA degree or in the College of Letters and Sciences for a BS degree.

MAJOR/EMPHASES**MANAGEMENT COMPUTER SYSTEMS (BBA)**

MAJOR - 27 UNITS

1. MCS 214, MCS 220, MCS 231, MCS 314, MCS 325, MCS 331, MCS 425 AND MCS 431
(NOTE: COMPSCI 181 MUST BE TAKEN OR WAIVED BEFORE ENROLLING IN MCS 214 AND COMPSCI 172 MUST BE TAKEN OR WAIVED BEFORE ENROLLING IN MCS 220).
2. SELECT 3 UNITS FROM COURSES
MANGEMNT 377, MANGEMNT 471, MANGEMNT 484, COMPSCI 271, MATH 365, MCS 232, MCS 391, COMPSCI/MCS 475, MCS 485, MCS 496 AND MCS 498 AND MCS 498

UNIQUE REQUIREMENT

CALCULUS - 3-5 UNITS

1. SELECT 1 COURSE
MATH 243, MATH 250, MATH 253

Transfer grades are included in determining eligibility for MCS courses.

MANAGEMENT COMPUTER SYSTEMS (BS)

MAJOR - 42 UNITS

1. ACCOUNT 244, MCS 214, MCS 220 AND MCS 231 (NOTE:

COMPSCI 181 MUST BE TAKEN OR WAIVED BEFORE ENROLLING IN MCS 214 AND COMPSCI 172 MUST BE TAKEN OR WAIVED BEFORE ENROLLING IN MCS 220)

2. MCS 314, MCS 325, MCS 331, MCS 425 AND MCS 431
3. ACCOUNT 249 OR ACCOUNT 341 OR ACCOUNT 342
4. SELECT 9 UNITS FROM COURSES:
ECON 354, FNBSLW 341, FNBSLW 344, MANGEMNT 301, MANGEMNT 306, MANGEMNT 310 OR MARKETNG 311
5. SELECT 3 UNITS FROM COURSES
MANGEMNT 377, MANGEMNT 471, MANGEMNT 484, COMPSCI 271, MATH 365, MCS 232, MCS 391, COMPSCI/MCS 475, MCS 485, MCS 496 AND MCS 498

UNIQUE REQUIREMENTS:

CALCULUS - 3-5 UNITS

1. SELECT 1 COURSE: MATH 243, MATH 250, MATH 253

WRITING - 3 UNITS

1. SELECT 1 COURSE (ENGLISH 372 RECOMMENDED):
BSEDCNA 353, ENGLISH 370 OR ENGLISH 372 RLS

STATISTICS - 3 UNITS

1. SELECT 1 COURSE: MATH 231, MATH 342, OR ECON 245

AN APPROVED MINOR IS REQUIRED FOR THIS MAJOR

Transfer grades are included in determining eligibility for MCS courses. A minimum combined transfer and UW-Whitewater GPA of 2.5 overall and in the major is required for graduation.

COURSE DESCRIPTIONS**MCS 210 CONCEPTS OF DATABASE SYSTEMS 3 u**

The study of database concepts, including data design and the management of data as a corporate resource. Students are to develop typical business applications with graphical user interfaces in a windows environment, using a relational database and fourth generation languages.
Prereq: COMPSCI 171 and an overall gpa of 2.50.

MCS 214 INFORMATION TECHNOLOGY CONCEPTS AND PRACTICE 3 u

A survey course that covers the use of information technology in organizations, the processes used to create and manage information technologies, and the impact of information technology on individuals, organizations, the economy and society. Students learn how to do systems analysis, data modeling, system and database design, database queries, and construction and testing of a database application as part of a systems development life cycle.
Prereq: COMPSCI 181

MCS 220 CONCEPTS OF PROGRAMMING 3 u

This course teaches students professional software development using object-oriented program design and the Java programming language. Coverage includes correct business programming style and documentation, program debugging and testing, database and file processing, event-handling, and graphical user interfaces.
Prereq: COMPSCI 172 and a cum g.p.a. of 2.50.

MCS 231 CONCEPTS OF DATA STRUCTURES 3 u

This course is an introduction to data structures, using the Java programming language. It covers static and dynamic implementations of data structures including lists, stacks, queues and trees. It emphasizes object-oriented design and programming methodology, including inheritance and polymorphism, and applies these in the development of large programming projects.
Prereq: MCS 220 and a cum gpa. of 2.50. Unreq: COMPSCI 372

MCS 232 CONCEPTS OF COBOL WITH FILE STRUCTURES 3 u

The COBOL language is taught and then used to study file organizations at both the logical and physical level in order to provide a firm foundation for future study of database and information systems. Sequential, indexed, and relative files are discussed. Hashing and the implementation of complex file structures is discussed. Students act as maintenance programmers updating and modifying existing programs.

Prereq: MCS 231 and an overall gpa. of 2.50.

MCS 314 ADVANCED DATABASE DESIGN AND ADMINISTRATION 3 u

This course covers advanced topics in database analysis, design, access, integrity control, and implementation as well as a variety of emerging topics. The course is intended for students who already have a good understanding of database systems and relational database concepts. Students should have proficiency in using the SQL language.

Prereq: MCS 214

MCS 325 WEB DEVELOPMENT I 3 u

This course will give students familiarity with client/server computing in a two/three-tiered Internet environment. This includes the development of dynamic web pages to exchange data with relational database management systems using scripting technologies. Students will use an event-driven, object-oriented programming language to construct ActiveX components that connect with database servers. The course will also explore basic networking concepts.

Prereq: MCS 214, MCS 231 and a cum g.p.a. of 2.50.

MCS 331 SYSTEMS ANALYSIS AND DESIGN 1 3 u

In this course, the student learns to analyze the business organization as a system, to structure both the information and processes of a business or organization, and to complete the systems development process through the logical design phase. The course utilizes an object-oriented methodology for the systems development process. The student begins a team project that is completed in MCS 431.

Coreq: MCS 325 and (ECON 245 or MATH 231 or MATH 342). Prereq: MCS 214, MCS 231 and a cum g.p.a. of 2.50.

MCS 391 MCS COOPERATIVE PROGRAM 3 u

The student is to work as an information systems professional in a business or government organization and report on the experience to the MCS faculty and fellow students.

Prereq: Consent of MCS Cooperative Program Coordinator and an overall gpa. of 2.50.

MCS 425 WEB DEVELOPMENT 2 3 u

This course teaches students how to develop Web applications using Java technologies. The course focuses on design and implementation of distributed applications for the Internet and/or intranets. Topics include object-oriented distributed systems and technologies, database access, security, advanced Java programming, and technical design issues for e-Commerce systems.

Prereq: MCS 325 and an overall g.p.a. of 2.50.

MCS 431 SYSTEMS ANALYSIS AND DESIGN 2 3 u

This course is a study of the principles and activities associated with the physical design and implementation of computer based information systems using object oriented methodologies. It includes object-oriented decomposition, system testing, documentation, system security, conversion and implementation. The student completes the team project started in MCS 331.

Prereq: MCS 314, MCS 331 and a cum gpa. of 2.50.

MCS 475 NETWORK ENGINEERING 3 u

This class will explore the OSI (Open Systems Interconnection) networking model, standard networking protocols, and network architecture including implementation, administration and maintenance. Students will also gain

"hands-on" networking experience by installing and setting up a network operating system, building a small LAN, and managing network servers. Prereq: MCS 325 or consent of instructor and an overall gpa of 2.50. Unreq: COMPSCI 475.

MCS 485 PROJECT 1-3 u

This course provides students with the opportunity to participate on a student project team under the management of a faculty member and industry practitioners. The project will be sponsored by a partnering business firm and may involve a wide array of technologies, functional areas and geographically dispersed teammates. This course will only be offered when projects are available. Students will be carefully chosen through an interview process. The number of credits will be determined by the complexity of the project and the level of student involvement.

Prereq: consent of department

MCS 496 SPECIAL STUDIES 3 u

Repeatable for a maximum of 9 units in degree. Prereq: Consent of instructor.

MCS 497 EXCHANGE STUDY Repeatable 1-12 u**MCS 498 INDEPENDENT STUDIES 1-3 u**

Repeatable. Prereq: Approval of the MCS Coordinator and the faculty member supervising the course. Completion of at least four MCS core courses and an overall gpa. of 2.50.

DEPARTMENT OF MATHEMATICAL AND COMPUTER SCIENCES

Phone: 262-472-1313 E-Mail: mathcmprsci@unw.edu

Faculty: Mohammad Ahmadi, Leon Arriola, Titu Andreescu, Malvina Baica, Abdelkrim Boukahil, Robert Bryan, David Beuerman, Thomas Drucker, Fe Evangelista, Pawel Felcyn, Athula Gunawardena, Bennette Harris (Chairperson), Robert Horton, Jonathan Kane, Edwin Klein, Peter Lampe, Julie Letellier, Janet Ley, Jiehu Ma, Thomas McFarland, Ki-Bong Nam, Gado Ongwela, Chilukuri Rao, Geetha Samaranayake, Sobitha Samaranayake, Robert Siemann, Kelly Sorenson, Kelly Strait, Satoshi Takahashi, Jerome Tanguay, Ruth Whitmore.

MATHEMATICS

Mathematics has traditionally been the language of science and now plays a vital role in the social sciences and business as well. Every field in which quantitative activity is found requires that its workers have good backgrounds in mathematics. A student well-versed in mathematics will find their skills of use in almost any profession.

Although mathematics is studied for its applications, it also attracts many who are interested in its aesthetic and creative side. A study of mathematics improves one's ability to think about abstract concepts, to conceptualize about hypothetical structures, to reach logical conclusions, and to consider many solution techniques when problem solving.

MAJOR

The Department of Mathematical and Computer Sciences offers several distinct emphases for a degree in mathematics: BA/BS PURE MATHEMATICS, BA/BS MATHEMATICS STATISTICS, BA/BS COMPUTER MATHEMATICS, BA/BS APPLIED MATHEMATICS, BSE MATHEMATICS FOR SECONDARY EDUCATION. A student interested in pursuing graduate work in mathematics or combining their mathematics major with a second major or emphasis in music, art, or language would be interested in the PURE MATHEMATICS emphasis. A student interested in a career as a statistician, an actuary, a demographer, or

a specialist in marketing, quality control, or economics would be interested in the MATHEMATICS STATISTICS emphasis. A student interested in the mathematical basis for computer science would be interested in the COMPUTER MATHEMATICS emphasis. A student interested in a career as a mathematics educator at the secondary school level would be interested in the MATHEMATICS FOR SECONDARY EDUCATION emphasis. A student interested in using the tools of mathematics to solve applied problems common in the sciences, engineering, and social sciences might be interested in the APPLIED MATHEMATICS emphasis. Each emphasis requires the completion of the following core courses.

MATHEMATICS MAJOR CORE COURSES (25 UNITS)

MATH 253, MATH 254, MATH 255, MATH 280, MATH 301, MATH 355, MATH 452

MATHEMATICS (BA/BS APPLIED MATHEMATICS)

MAJOR - 37 UNITS

1. MATH 253, MATH 254, MATH 255, MATH 280, MATH 301, MATH 355
2. MATH 361, MATH 458, MATH 459, MATH 463, MATH 471

UNIQUE COMPUTER SCIENCE REQUIREMENT - 3 UNITS

1. COMPSCI 171

WRITING REQUIREMENT - 3 UNITS

1. ENGLISH 370 OR ENGLISH 372

MATHEMATICS (BA/BS PURE MATH)

MAJOR - 37 UNITS

1. Completion of the core.
2. MATH 361, MATH 417, MATH 453, MATH 464

UNIQUE COMPUTER SCIENCE REQUIREMENT - 3 UNITS

1. COMPSCI 171

WRITING REQUIREMENT - 3 UNITS

1. ENGLISH 370 OR ENGLISH 372

MATHEMATICS (BA/BS MATH STAT)

MAJOR - 38 UNITS

1. Completion of the core
2. MATH 342, MATH 441, MATH 442, MATH 446

UNIQUE COMPUTER SCIENCE REQUIREMENT - 3 UNITS

1. COMPSCI 171

WRITING REQUIREMENT - 3 UNITS

1. ENGLISH 370 OR ENGLISH 372

Students in this emphasis are encouraged to take courses in economics, accounting, and insurance offered in the College of Business and Economics.

MATHEMATICS (BA/BS) COMPUTER EMPHASIS

MAJOR - 37 UNITS

1. COMPLETION OF CORE
2. COMPSCI 322, COMPSCI 433, COMPSCI 434, MATH 471

UNIQUE COMPUTER SCIENCE REQUIREMENT - 3 UNITS

1. COMPSCI 171

WRITING REQUIREMENT - 3 UNITS

1. ENGLISH 370 OR ENGLISH 372

Students in this emphasis are encouraged to take courses in computer science, especially COMPSCI 372 OR MCS 231.

MATHEMATICS (BSE SECONDARY ED)

LICENSURE - 34 UNITS

1. SECNDED 466
2. EDFOUND 243 OR EDFOUND 445
3. SELECT 2 UNITS FROM EDFOUND 210
4. STUDENT TEACHING
SELECT 2 UNITS FROM CIFLD 402 AND 12 UNITS FROM CIFLD 414 OR SELECT 2 UNITS FROM CIFLD 404 AND 12 UNITS FROM CIFLD 412
5. SECNDED 428
6. EDFOUND 212 AND EDFOUND 425
7. SELECT 3 UNITS FROM COURSE CIFLD 492
8. SELECT 3 UNITS FROM SPECED 205

MAJOR - 39 UNITS

1. Completion of the core.
2. MATH 353, MATH 359, MATH 441, MATH 453

WRITING REQUIREMENT - 3 UNITS

1. ENGLISH 370 OR ENGLISH 372

AN APPROVED MINOR IS REQUIRED FOR EACH OF THE FIVE PRECEDING EMPHASES

MINOR/EMPHASES

MATHEMATICS

MINOR - 22 UNITS

1. MATH 253, MATH 254, MATH 255 AND MATH 280
2. SELECT 6 ELECTIVE MATH UNITS IN COURSES NUMBERED 300 OR HIGHER EXCEPT MATH 375.

MATHEMATICS: SECONDARY EDUCATION EMPHASIS

MINOR - 24 UNITS

1. MATH 253, MATH 254, MATH 280, MATH 342 AND MATH 353
2. SELECT 1 COURSE FROM MATH 355 OR MATH 452

MATHEMATICS: ELEMENTARY EDUCATION EMPHASIS

MINOR - 23 UNITS

1. MATH 148, MATH 149, MATH 152, MATH 231, MATH 375, MATH 415 AND MATH 416

A student with a strong high school background in mathematics, and on the recommendation of the Department Chair, may waive MATH 152 and elect other mathematics courses approved by the Department Chair.

Restriction of credit: A student may not register for a course which is a prerequisite for any other course in which credit has been received unless

departmental approval is obtained. The courses MATH 40 and MATH 41 may not be taken by those who have successfully completed, are taking, or have had waived any course numbered MATH 140 or above. A student may not register for MATH 143 if MATH 152 or any course beyond MATH 152 has been completed unless departmental approval is obtained. A student may not receive credit for both MATH 243 and MATH 250, MATH 243 and MATH 253, or for both MATH 250 and MATH 253. Those who do well (A or B) in MATH 243 and desire more calculus should elect MATH 253 (even though credit cannot be earned for both courses). Those who do well (A or B) in MATH 250 and desire more calculus should elect MATH 254. Anyone anticipating a mathematics major or minor is advised to take MATH 253. If a student who has completed MATH 250 wants to change to a mathematics major or minor, MATH 254 may be taken provided the student earned at least a B in MATH 250 and has the consent of the Department Chair. A student with less than a B in MATH 250 should take MATH 253 even though credit will be given for only one of the courses MATH 250 or MATH 253. Anyone going from MATH 250 to MATH 254 should be aware of the trigonometry and rigor stressed in MATH 253. All students seeking initial registration in any course in the calculus sequence MATH 253 through MATH 255 who have not completed MATH 152 must consult with the Department Chair. All students seeking to count MATH 250 as part of their mathematics major or minor must consult with the Department Chair.

Courses carrying “for the elementary teacher” in the title may not be applied toward a major or minor in mathematics except by students in elementary education.

Students may not receive credit for both MATH 415 and MATH 452. MATH 375 will not count towards a mathematics major or minor in Letters and Sciences.

Courses listed only as computer science may not be used for a mathematics major or minor. Courses listed in both computer science and in mathematics may not be used for credit in both areas.

COURSE DESCRIPTIONS

MATH 040 PRE-ALGEBRA 3 u

A course for students who need a review of basic mathematics or who lack the computational skills required for success in algebra and other University courses. Topics include fractions, decimals, percent, descriptive statistics, English and metric units of measure, and measures of geometric figures. Emphasis is on applications. A brief introduction to algebra is included at the end of the course. This course does count toward the semester credit load and will be computed into the grade point average. It will not be included in the 120 units required for graduation. It may be taken for a conventional grade or on a satisfactory/no credit basis. Students may not take this course for credit if they place into, are enrolled in or have already received credit for a higher-numbered math course.

MATH 041 BEGINNING ALGEBRA 4 u

A course for those who have a sound background in basic arithmetic, but who have not been exposed to algebra, or who need to strengthen their basic algebra skills. Topics include properties of the real numbers, linear and quadratic equations, linear inequalities, exponents, polynomials, rational expressions, the straight line, and systems of linear equations. The course counts towards the semester credit load and will be computed into the grade point average. It will not, however, be included in the units necessary for graduation. It may be taken for a conventional grade or on a satisfactory/no credit basis.

Prereq: MATH 040 or equivalent demonstration of capability. Students may not take this course for credit if they place into, are enrolled in or have already received credit for a higher-numbered math course.

MATH 140 MATHEMATICAL IDEAS (*Proficiency*) 3 u

Designed to give students a broad understanding and appreciation of mathematics. Includes topics not usually covered in a traditional algebra

course. Topics encompass some algebra, problem solving, counting principles, probability, statistics, and consumer mathematics. This course is designed to meet the University Proficiency Requirement in mathematics for those students who do not wish to take any course which has MATH 141 as a prerequisite.

Prereq: Satisfactory completion of MATH 041, with a grade of C or better, or demonstration of equivalent capability. Students may not take this course for credit if they place into, are enrolled in or have already received credit for a higher-numbered math course.

MATH 141 INTERMEDIATE ALGEBRA (*Proficiency*) 4 u

Introduction to college algebra. Topics and concepts extend beyond those taught in a beginning algebra course. A proficiency course for those who have not had sufficient preparation in high school to allow them to take MATH 143 or MATH 152. Students may not take this course for credit if they place into, are enrolled in or have already received credit for a higher-numbered math course.

Prereq: Satisfactory completion of MATH 041 with a grade of C or better, or demonstration of equivalent capability.

Unreq: MATH 140 or MATH 141B

MATH 143 FINITE MATHEMATICS FOR BUSINESS AND SOCIAL SCIENCES GM 3 u

Mathematical preparation for the understanding of various quantitative methods in modern management and social sciences. Topics included are sets, relations, linear functions, interest, annuities, matrix theory, the solution of linear systems by the graphical, algebraic, Gauss-Jordan, and inverse methods, linear programming by graphical and simplex methods, counting and probability, and decision theory. College of Business and Economics majors must take this course on a conventional grade basis.

Prereq: Waiver of or a grade of C or better in MATH 141.

MATH 148 MATHEMATICS FOR THE ELEMENTARY TEACHER I GM 3 u

A study of sets, whole numbers, fundamental operations of arithmetic, fundamental algorithms and structural properties of arithmetic, fractions, problem solving and introduction to inductive and deductive logic stressing the structure of mathematics. All students will prepare a mathematics-based activity and present it at an area elementary school. For elementary education prekindergarten-6 and elementary education elementary/middle school emphasis students.

Prereq: A grade of C or better in MATH 141 or MATH 141B or a waiver from the university mathematics proficiency requirement.

MATH 149 MATHEMATICS FOR THE ELEMENTARY TEACHER II 3 u

Selected topics in logic. The computer as a useful tool in mathematical explorations is introduced and applied throughout the course. Topics in probability and statistics, with emphasis on descriptive techniques. Investigations in geometric figures, measurement, construction, congruent and similar geometric figures. An introduction to coordinate geometry. Problem solving, discovery, and student projects are emphasized throughout. All students will prepare a mathematics-based activity and present it at an area elementary school.

Prereq: Satisfactory completion of MATH 111 with a grade of C or better.

MATH 152 ELEMENTARY FUNCTIONS GM 5 u

Review of algebraic functions, inequalities, mathematical induction, theory of equations, exponential and logarithmic functions, circular functions, trigonometric identities and equations, inverse trigonometric functions, solution of triangles.

Prereq: Waiver of or a grade of C or better in MATH 141.

MATH 177 THE LOGIC OF CHESS 1 u

A study of logic particularly as it is used in the game of chess and, most particularly, in chess strategy and the end game of chess. The rules are taught to those who are not already acquainted with the game.

Prereq: Fulfillment of University Proficiency requirement in mathematics.

MATH 230 INTRODUCTORY STATISTICS GM 3 u
 A pre-calculus course in statistics. Descriptive statistics, probability distributions, prediction, hypothesis testing, correlation, and regression. This course does not count towards a mathematics major or minor in either liberal arts or secondary education or towards a mathematics minor in elementary education. This course may not be taken for credit if credit has been or is being earned in any other statistics course.
 Prereq: Waiver or a grade of C or better in MATH 141. Unreq: Any other statistics course.

MATH 231 UNDERSTANDING PROBABILITY AND STATISTICS GM 3 u
 A pre-calculus course in probability and statistics. Descriptive statistics, classical probability, probability distributions, prediction, parametric and nonparametric hypothesis testing, correlation, regression, and use of some statistical software. This course does not count towards a mathematics major or minor in liberal arts or towards a mathematics major in secondary education. This course may not be taken for credit if credit has been or is being earned in any other statistics course.
 Prereq: Completion, with a grade of C or better, of either MATH 143 or MATH 152. Unreq: Any other statistics course.

MATH 243 SHORT CALCULUS FOR BUSINESS AND SOCIAL SCIENCES GM 3 u
 A general survey of the Calculus. Topics covered include limits, differentiation, max-min theory, exponential and logarithmic functions, integration and functions of several variables. As in MATH 143, business and social science applications are stressed. College of Business and Economics majors must take this course on a conventional grade basis.
 Prereq: Completion with a grade of C or better in either of the courses MATH 143 or MATH 152. Unreq: MATH 250. Students should check with their major department for advice on whether to take MATH 243 or MATH 250.

MATH 250 APPLIED CALCULUS SURVEY FOR BUSINESS AND THE SOCIAL SCIENCES GM 5 u
 An applied calculus course covering elementary analytic geometry, limits, differentiation, max-min theory, transcendental functions, integration, functions of several variables, and elementary differential equations. Some computer topics may be included. College of Business and Economics majors must take this course on a conventional grade basis.
 Prerequisite: MATH 143, with a grade of C or better, or equivalent preparation as determined by the Mathematics Department. Unreq: MATH 243, MATH 253.

MATH 253 CALCULUS AND ANALYTIC GEOMETRY I GM 5 u
 Review of algebraic and trigonometric functions, transcendental functions, limits, study of the derivative, techniques of differentiation, continuity, applications of the derivative, L' Hospital's Rule and indeterminate forms, the Riemann integral, Fundamental Theorem of Calculus, substitution rule. Conventional grade basis only if course is required in the College of Business for major.
 Prereq: MATH 152 or equivalent high school preparation as determined by the Mathematics Department. Unreq: MATH 243 and MATH 250.

MATH 254 CALCULUS AND ANALYTIC GEOMETRY II 5 u
 Techniques of integration, applications of the integral, introduction to differential equations, polar coordinates and conic sections, infinite sequences and series. This course includes a writing component.
 Prereq: MATH 250 with a grade of B or better, or MATH 253.

MATH 255 CALCULUS AND ANALYTIC GEOMETRY III 3 u
 Solid analytic geometry, vectors and vector functions, functions of several variables, multiple integrals and their applications.
 Prereq: MATH 254.

MATH 280 DISCRETE MATHEMATICS 3 u
 This course will supply a thorough grounding in the mathematical topics which are central to the study of computer science, and which form the basis for many modern applications of mathematics to the social sciences. Topics covered will include sets, logic, Boolean algebra and switching circuits, combinatorics, probability, graphs, trees, recursion, and algorithm analysis. Expressing mathematical ideas and writing proofs will be emphasized.
 Prereq: MATH 250 with a grade of C or better, or MATH 253.

MATH 290 SPATIAL ANALYSIS 3 u
 Presentation and interpretation of data, use descriptive statistics and measures of spatial patterns, introduction to statistical inference and measures of association, with particular reference to geographic examples. Students will become proficient in using computers to achieve these skills.
 Prereq: MATH 143

MATH 301 INTRODUCTION TO ANALYSIS 3 u
 The main emphasis of this course is to introduce students to mathematical proofs. Students will learn to read and write proofs in mathematics by writing proofs of theorems about limits, sets of real numbers, and continuous functions. If time permits, other topics may include derivative and integration theorems, theory of open and closed sets, and cardinality of sets.
 Prereq: MATH 255 and MATH 280

MATH 342/542 APPLIED STATISTICS 3 u
 This course will cover the basics of statistical testing, regression analysis, experimental design, analysis of variance, and the use of computers to analyze statistical problems.
 Prereq: MATH 253 or MATH 250 or cons instr. Unreq: ECON 245.

MATH 353 COLLEGE GEOMETRY 5 u
 The topics included in this course are foundations of Euclidean geometry, Euclidean transformational geometry, modern synthetic geometry that builds on Euclidean geometry, selected finite geometries, and an introduction to non-Euclidean and projective geometry, including their relationship to Euclidean geometry. Although the course is adapted to the prospective teacher of geometry, it will also meet the needs of those in other majors needing a background in geometry. Standards and guidelines of appropriate national and local bodies will be implemented.
 Prereq: MATH 253 and MATH 280 or consent of instructor.

MATH 355/555 MATRICES AND LINEAR ALGEBRA 3 u
 Systems of linear equations, matrices and determinants, finite dimensional vector spaces, linear dependence, bases, dimension, linear mappings, orthogonal bases, and eigenvector theory. Applications stressed throughout.
 Prereq: MATH 250 or MATH 253.

MATH 359 MATHEMATICAL MODELING & STATISTICS 3 u
 An introduction to mathematical modeling and descriptive statistics. Students will develop the basic skills of formulation, simplification, and analysis of mathematical models for describing and predicting physical phenomena. The basic tools of descriptive statistics will also be introduced; the use of descriptive statistics in formulating and interpreting mathematical models will be emphasized.
 Prereq: MATH 255 or consent of instructor.

MATH 361 DIFFERENTIAL EQUATIONS 3 u
 Ordinary differential equations: general theory of linear equations, special methods for nonlinear equations including qualitative analysis and stability, power series and numerical methods, and systems of equations. Additional topics may include transformation methods and boundary value problems. Applications stressed throughout.
 Prereq: MATH 255.

MATH 365/565 LINEAR PROGRAMMING 3 u
 A study of the vector-matrix theory and computational techniques of the simplex method, duality theorem, degeneracy problem, transportation problems and their applications to engineering and economics. Machine

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solution of large linear programming problems.
Prereq: COMPSCI 171 and MATH 355.

MATH 375/575 DEVELOPMENT OF MATHEMATICS 3 u

A study of the development of mathematical notation and ideas from prehistoric times to the present. Periods and topics will be chosen corresponding to the backgrounds and interests of the students.
Prereq: MATH 152 or cons instr.

MATH 380/580 PATTERNS OF PROBLEM SOLVING 3 u

This course will expose students to a variety of techniques useful in solving mathematics problems. The experiences gained from this course can be applied to problems arising in all fields of mathematics. The student will have the chance to see how some general techniques can be used as tools in many areas. Homework for this course will consist mostly of solving a large number of mathematics problems. Consent will be given to students with substantial interest in problem solving, and adequate preparation.
Prereq: MATH 280 or cons instr.

MATH 415/615 MODERN ALGEBRA AND NUMBER THEORY FOR THE ELEMENTARY TEACHER 3 u

An introduction to modern algebra with special emphasis on the number systems and algorithms which underlie the mathematics curriculum of the elementary school. Topics from logic, sets, algebraic structures, and number theory.
Prereq: MATH 149 and MATH 152. Unreq: MATH 452.

MATH 416/616 GEOMETRY FOR THE ELEMENTARY TEACHER 3 u

A study of the intuitive, informal geometry of sets of points in space. Topics include elementary constructions, coordinates and graphs, tessellations, transformations, problem solving, symmetries of polygons and polyhedra, and use of geometry computer software.
Prereq: MATH 149 and MATH 152

MATH 417/617 THEORY OF NUMBERS 3 u

A study of the properties of integers, representation of integers in a given base, properties of primes, arithmetic functions, module arithmetic. Diophantine equations and quadratic residues. Consideration is also given to some famous problems in number theory.
Prereq: MATH 280 or MATH 415 or cons instr.

MATH 431/631 TOPOLOGY 3 u

An introduction to point-set topology, including such topics as topological spaces, mappings, connectedness, compactness, separation axioms, metric spaces, complete spaces, product spaces and function spaces.
Prereq: MATH 255 and either MATH 280 or cons instr.

MATH 441/641 PROBABILITY THEORY 3 u

Probability spaces, discrete and continuous random variables, mathematical expectation, discrete and continuous distributions.
Prereq: MATH 255 and either MATH 280 or cons instr.

MATH 442/642 MATHEMATICAL STATISTICS 4 u

This course will cover moment generating functions, moments of linear combinations of random variables, conditional expectation, functions of random variables, sampling distributions, the theory of estimation, Bayesian estimation, hypothesis testing, nonparametric tests, and linear models.
Prereq: MATH 441 and either MATH 355 or cons instr.

MATH 446/646 ACTUARIAL MATHEMATICS 3 u

This course will discuss the actuarial profession and the insurance industry, provide direction to students wishing to take the first few actuarial examinations, thoroughly cover the theory of interest, and introduce the basic concepts of actuarial mathematics.
Prereq: MATH 441 or concurrent registration

MATHEMATICAL & COMPUTER SCIENCES 215**MATH 452/652 INTRODUCTION TO ABSTRACT ALGEBRA 3 u**

An introductory survey of abstract algebra and number theory with emphasis on the development and study of the number systems of integers, integers mod n , rationals, reals, and complex numbers. These offer examples of and motivation for the study of the classical algebraic structures of groups, rings integral domains and fields. Applications to algebraic coding theory and crystallography will be developed if time allows.
Prereq: MATH 280.
Unreq: MATH 415.

MATH 453/653 ABSTRACT ALGEBRA 3 u

This course is a continuation of MATH 452/652 with emphasis on ring and field theory. Topics include a review of group theory, polynomial rings, divisibility in integral domains, vector spaces, extension fields, algebraic extension fields, finite fields, etc.
Prereq: MATH 355 and MATH 452.

MATH 458/658 APPLIED MATHEMATICAL ANALYSIS 3 u

Selected topics in ordinary differential equations: series solutions, stability, transform methods, special functions, numerical methods, vector differential calculus, line and surface integrals.
Prereq: MATH 361.

MATH 459/659 PARTIAL DIFFERENTIAL EQUATIONS 3 u

Fourier analysis, partial differential equations and boundary value problems, complex variables, and potential theory.
Prereq: MATH 361.

MATH 463 COMPLEX VARIABLES 3 u

This course is a study of the algebra and geometry of complex numbers, the properties of analytic functions, contour integration, the calculus of residues, and the properties of power series.
Prereq: MATH 255

MATH 464/664 ADVANCED CALCULUS 3 u

This course presents a rigorous treatment of the differential and integral calculus of single variable functions, convergence theory of numerical sequences and series, uniform convergence theory of sequences and series of functions, metric spaces, functions of several real variables, and the inverse function theorem. This course contains a writing component.
Prereq: MATH 301.

MATH 471/671 NUMERICAL ANALYSIS 3 u

Emphasis on numerical algebra. The problems of linear systems, matrix inversion, the complete and special eigenvalue problems, solutions by exact and iterative methods, orthogonalization, gradient methods. Consideration of stability and elementary error analysis. Extensive use of microcomputers and programs using a high level language, such as PASCAL.
Prereq: COMPSCI 171 and MATH 355.

MATH 473 LIGHTNING RADIATIVE TRANSFER 4 u

This course will introduce the students to the field of Mathematical Lightning Radiative Transfer. It will provide the students with the background needed to analyze lightning events and to discriminate cloud to ground discharges from intra-cloud discharges. In addition, this course will introduce the students to the area of Ground Detection of Lightning.
Prereq: MATH 361 and PHYSICS 174 or consent of instructor.

MATH 475 DATA INTERPRETATION OF SPACE SCIENCE 3 u

This course will continue the study of Mathematical Space Science. The course will teach and train students on how to read and interpret data from Space and ground instruments. Students will learn how to access and work with satellite data.
Prereq: MATH 361 and COMPSCI 171 or consent of instructor.

MATH 477 MATHEMATICAL SCATTERING THEORY AND APPLICATIONS 3 u

This course will address the fundamental theory and applications of mathematical scattering. Students will be exposed to the scalar, vector, and tensor scattering. In addition, the course will introduce the students to diverse techniques of statistical and mathematical scattering inversion. Applications from earth system and space sciences will be studied throughout the course.

Prereq: MATH 458, MATH 459, MATH 463 AND PHYSCS 322 or consent of instructor.

MATH 483 MATHEMATICAL WAVES PROPAGATION THEORY AND APPLICATIONS 3 u

This course will address the fundamental theory and applications of mathematical wave propagation. Students will be exposed to the scalar, vector, and tensor wave nature of matter. In addition, the course will introduce diverse techniques of linear and non-linear modeling of natural occurrences and their role in understanding mathematical inversion. Applications from earth system and space sciences will be studied throughout the course.

Prereq: MATH 458, MATH 459, MATH 463 AND PHYSCS 322 or consent of instructor.

MATH 490/690 WORKSHOP Repeatable 1-3 u

Prereq: Consent of instructor.

MATH 492 FIELD STUDY 1-3 u

A study for which data is obtained or observations are made outside the regular classroom. Repeatable.

Prereq: Consent of instructor.

MATH 494/694 SEMINAR 2 u

Repeatable. Prereq: Consent of instructor.

MATH 496/696 SPECIAL STUDIES 1-3 u

Repeatable three times maximum in 6 years. Prereq: Consent of instructor.

MATH 498 INDEPENDENT STUDY 1-3 u

Repeatable. Prereq: Consent of instructor and consent of department chairperson.

MATH 499 PROJECT FOR MAJORS 1 u

This course is designed to give students experience and to improve their skill in reading, writing, and understanding mathematics by requiring them to research one or more mathematical topics and then write a report about their activities and discoveries. The focus is on the learning and communication of mathematics: how to read with understanding, write with clarity and precision, and in the process discover how writing can aid in understanding.

Prereq: Jr st or cons dept chp.

COMPUTER SCIENCE

Computer Science is a discipline of modern origin in which the theory and applications of high speed machine computation, of efficient data processing, of advanced graphics design, and of machine assisted problem solving are developed and studied.

The computer science minor builds a solid background in computing and related principles so that students emerge from the program equipped for both commercial employment and for advanced study.

Employment opportunities are to be found in the data processing departments of commercial enterprises and of state and federal agencies, in research in all of the physical and social sciences, and in many industrial and engineering applications. Although the opportunities offered students are many and varied, it must be recognized that the rapid rate of change of our technology imposes the responsibility of continuing study in order to remain current in this field.

MINOR/EMPHASIS**COMPUTER SCIENCE****MINOR - 24 UNITS**

1. COMPSCI 172, MCS 220, MCS 231, COMPSCI 271
2. TO COMPLETE A TOTAL OF 24 UNITS, SELECT ADDITIONAL COURSES FROM THE FOLLOWING: ANY COMPUTER SCIENCE COURSE NUMBERED 300 OR ABOVE; ANY MANAGEMENT COMPUTER SYSTEMS COURSE; MATH 280, CIGENRL 475 (CIGENRL 475 IS RESTRICTED TO STUDENTS SEEKING A BSE DEGREE, STUDENTS SEEKING CERTIFICATION TO TEACH COMPUTER SCIENCE SHOULD TAKE THIS COURSE)

WEB SITE DEVELOPMENT AND ADMINISTRATION**MINOR - 24 UNITS**

1. ARTSTDIO 222
2. COMPSCI 172 AND COMPSCI 181
3. COMPSCI 372 OR MCS 231
4. COMPSCI 381, COMPSCI 382, COMPSCI 481 AND COMPSCI 482

CERTIFICATE**WEB SITE DEVELOPMENT AND ADMINISTRATION****CERTIFICATE - 15 UNITS**

1. ARTSTDIO 222
2. COMPSCI 181, COMPSCI 381, COMPSCI 382
3. COMPSCI 481 OR COMPSCI 482

COURSE DESCRIPTIONS**COMPSCI 161 INTRODUCTION TO COMPUTERS GM 3 u**

Introduction to Computers is designed for students with no previous computer experience. It includes practical experience designed to make it easy to use computers as tools in other courses. Word processing; spreadsheets; data storage and retrieval; data communications; computer graphics and applications; uses of computers; computer concepts and terminology; problems arising from the use of computers.

Prereq: MATH 140 or MATH 141 or concurrent registration or waiver from the University Mathematics Proficiency Requirement. Unreq: COMPSCI 162 This course is not available to Business majors (including MCS).

COMPSCI 162 COMPUTER APPLICATIONS GM 3 u

Computer Applications is designed for students with some previous computer experience. It covers topics similar to those in COMPSCI 161 but goes into more detail, including the writing of macros and batch files.

Prereq: MATH 140 or MATH 141 or concurrent registration or waiver from the University Mathematics Proficiency Requirement. Unreq: COMPSCI 161.

COMPSCI 171 INTRODUCTION TO PROGRAMMING GM 3 u

An introduction to computer programming and its applications to science, business and education. Opportunity for extensive experience in designing and writing structured programs in the Visual Basic language.

Prereq: MATH 152 or MATH 143 or MATH 253 or concurrent registration in MATH 253 or cons. instr.

COMPSCI 172 INTRODUCTION TO OBJECT-ORIENTED PROGRAMMING IN JAVA 3 u

This course will give students the essentials of object-oriented programming in Java. Students will learn to formulate algorithms, to solve problems and to implement those solutions with a Java program that employs objects and classes. The student will be introduced to object-oriented design, applications, and applets, class construction, methods and message passing, arrays, string-processing, file processing, and some event-handling and Graphical User Interface programming. This course is designed for students with some prior programming experience.

Prereq: MATH 152 or MATH 143 or Calculus placement or consent of instructor.

COMPSCI 173 INTRODUCTION TO FORTRAN PROGRAMMING 3 u

This course provides an introduction to Fortran programming and its applications to mathematical and physical sciences. It provides an opportunity to gain extensive experience in designing and writing Fortran programs. Dec Alpha computer, a successor of Vax, is used to write the programs. The language used is Dec Fortran which is more sophisticated than standard Fortran 77.

Prereq: MATH 152 or MATH 143 or MATH 253 or concurrent registration in MATH 253 or cons. instr.

COMPSCI 181 INTRODUCTION TO DATABASE AND THE WEB GM 3 u

This course provides the student with a comprehensive working knowledge of a modern database package including the creation of a database, construction of a wide range of queries, use of forms, and report writing features. The course also gives an introduction to the creation of World Wide Web pages using the Extended Hypertext Markup Language (XHTML).

Prereq: MATH 141 or waiver of MATH 141

COMPSCI 271 ASSEMBLY PROGRAMMING 3 u

A study of assembly language basic instructions, number systems, information move, integer arithmetic, subroutine linkage, memory allocation, bit manipulation, floating point arithmetic, macro definition and conditional assembly, the program status word, interrupt and I/O structure.

Prereq: COMPSCI 171 or cons instr.

COMPSCI 302/502 COMPUTER LOGIC AND MICROPROCESSORS 3 u

Structure of microprocessors and microprocessor systems, programming in machine language, computer logic and logic circuits, interfacing.

Prereq: COMPSCI 171.

COMPSCI 307/507 MICRO COMPUTER APPLICATIONS 3 u

This course will treat a variety of applications of micro computers, as well as their architecture, design and social impact.

Prereq: COMPSCI 171 or cons instr.

COMPSCI 322 COMPUTER LANGUAGES AND COMPILERS 3 u

This course is an introduction to the theory of computer languages and the construction of assemblers and compilers. Students will write a small assembler and a small compiler and will compare features of many computer languages.

Prereq: COMPSCI 271 and either COMPSCI 372 or MCS 231

MATH 365/565 LINEAR PROGRAMMING 3 u
(See Mathematics)**COMPSCI 372/572 INTERMEDIATE PROGRAMMING** 3 u

Sequel to COMPSCI 171. Advanced programming language features, techniques, and data structures, learned through the implementation of larger programs; an introduction to algorithm analysis, program verification, recursion and data abstraction.

Prereq: COMPSCI 171. Unreq: MCS 231.

COMPSCI 381 JAVASCRIPT AND DHTML 3 u

JavaScript is a computer language for adding flexibility and functionality to web pages. A powerful language in its own right, it also has the capability to interact with HTML forms, browsers, Java applets, and other objects found on a web page. Students in this course will gain a thorough understanding of JavaScript, and learn to harness its abilities to manage windows, forms, events, cookies, etc.

Prereq: COMPSCI 171 and COMPSCI 281 or equivalent preparation and consent of instructor.

COMPSCI 382 PERL AND CGI SCRIPTING 3 u

Perl and CGI scripting are key to processing web forms, as well as for automating a wide range of server tasks. Perl is optimized for scanning text files, extracting, information and generating reports/web pages based on the results. This course will provide a thorough introduction to the Perl language, with an emphasis on its use in processing web forms. Students will learn to manipulate data, generate dynamic web pages, control email and much more.

Prereq: COMPSCI 171 and COMPSCI 281 or equivalent preparation and consent of instructor.

COMPSCI 412/612 COMPUTER ORGANIZATION AND SYSTEM PROGRAMMING 3 u

A study of general computer system organization and architecture. Comparison of CPU and memory structure, instruction formats, addressing, flow of control and operating systems on different types of computer. Assembly language is used extensively to write system programs.

Prereq: COMPSCI 271 or cons instr.

COMPSCI 424 OPERATING SYSTEMS 3 u

This course covers problems encountered by computer operating systems including resource management, memory management, virtual memory, concurrent programming, and distributed systems. Algorithms are presented for deadlock, memory paging, job scheduling, memory allocation, and performance measurement. Operating systems such as WINDOWS, DOS, UNIX, VMS, and MVS are discussed.

Prereq: COMPSCI 271 and either COMPSCI 372 or MCS 231, or consent of instructor.

COMPSCI 433 THEORY OF ALGORITHMS 3 u

This course is a survey of algorithms needed for searching, sorting, pattern matching, analyzing graphs, and a variety of other problems of discrete mathematics. Analysis of algorithm efficiency and space/time tradeoffs are discussed.

Prereq: MATH 280 and either COMPSCI 372 or MCS 231

COMPSCI 434 THEORY OF COMPUTATION 3 u

This course is an introduction to the theory of computation. It discusses finite automata and Turing machines as models of computation. It includes discussions of regular sets, recursive and partially recursive functions, context free grammars, the halting problem, undecidable problems, complexity, and Np-completeness.

Prereq: MATH 280

COMPSCI 443 COMPUTER SIMULATION 3 u

This course will teach students how to simulate natural phenomena both through the writing of computer programs and by using existing computer packages. The course will contain techniques of writing simulation programs in a high level object oriented computer language to simulate real world phenomena from Physics, Chemistry, and Biology. It will survey existing software packages that lend themselves to simulation.

Prereq: MATH 253 and either COMPSCI 372 or MCS 231

COMPSCI 445 COMPUTER MODELING 3 u

This course will introduce students to analytical techniques used to develop models of systems, and to techniques and tools of applied mathematics and computing used to solve such models. Though the topics are introductory the student will see fundamental problems and appreciate the creative and innovative methods used to solve these problems. Models discussed will

be chosen from Physics, Biology, Ecology, Economics, Cognitive Studies, Manufacturing and Engineering.

Prereq: MATH 355 and either COMPSCI 372 or MCS 231

MATH 471/671 NUMERICAL ANALYSIS I 3 u
(See Mathematics)

COMPSCI 475 NETWORK ENGINEERING 3 u
Hands on experience with network design, implementation, management and maintenance. Serve as a first level, day to day support resource for the MCS computer lab.
Prereq: MCS 325 or consent of instructor and an overall GPA of 2.50.
Unreq: MCS 475

COMPSCI 481 WEB SERVER AND UNIX ADMINISTRATION 3 u
This course is intended to introduce students to Web Server software and UNIX and UNIX-like operating systems from the perspective of the System Administrator. Linux, the fastest growing operating system, will be studied in detail, together with the Apache web server. Web server configuration will be studied, including optimization, security issues and virtual server administration. Additional topics will include shell programming, system monitoring, file systems and the X Windows GUI. This course will focus on common system administration duties on the Linux platform. Students will acquire competency in using shell programming skills to automate the maintenance of server activity. Emphasis will be placed on using Linux as an Internet server.
Prereq: COMPSCI 381 and COMPSCI 382 or equivalent preparation and consent of instructor.

COMPSCI 482 WEB DATABASE DEVELOPMENT 3 u
This course will introduce students to MySQL databases and PHP3 scripting on a UNIX platform. Students will create and interact with databases via the web. Topics will include SQL; creating, accessing and updating server-side databases; a variety of database-to-web interface tools; and the PHP embedded scripting language. Transactions with other database products via PHP will also be considered.
Prereq: COMPSCI 381 and COMPSCI 382 or equivalent preparation and consent of instructor.

COMPSCI 490/690 WORKSHOP *Repeatable* 1-3 u
Prereq: Consent of instructor.

COMPSCI 494 SEMINAR 2 u
Repeatable. Prereq: Consent of instructor.

COMPSCI 496/696 SPECIAL STUDIES *Repeatable* 1-3 u
Prereq: Consent of instructor.

COMPSCI 497 EXCHANGE STUDY *Repeatable* 1-12 u

COMPSCI 498 INDEPENDENT STUDY IN COMPUTER SCIENCE *Repeatable* 1-3 u
Prereq: Consent of instructor.

DEPARTMENT OF PHILOSOPHY AND RELIGIOUS STUDIES

Phone: 262-472-4775

E-Mail: philrelgn@unm.edu

Faculty: Richard Brooks (Chairperson), David Cartwright, Wade Dazey, Crista Lebens Ann Luther, Warren Shibles, Richard Yasko.

PHILOSOPHY

Philosophy is a basic field of inquiry that is neither part of nor reducible to any other discipline. Philosophers explore ideas, questions, issues, and problems that arise from the entire spectrum of human experiences. Philosophy courses deal with fundamental issues concerning the nature of morality and the good life, methods of correct reasoning, the nature of knowledge and reality, aesthetics, and the foundations needed for a good society. In addition to courses dealing explicitly with those issues, courses are also offered that survey the history of western philosophy in light of these issues.

As a discipline central to a liberal arts education, philosophy seeks to develop students' skills and knowledge, preparing them for life as a whole. Hence it fosters critical, analytical, and creative thinking skills that are relevant to any subject matter. The philosophy minor complements any major field of study that demands higher order thinking skills and the ability to understand and assess complex and competing points of view.

MINOR/EMPHASIS

PHILOSOPHY

MINOR - 18 UNITS

1. PHILSPHY 251
2. PHILSPHY 261 OR PHILSPHY 245
3. PHILSPHY 341 OR PHILSPHY 342 OR PHILSPHY 343 OR PHILSPHY 345
4. SELECT 3 UNITS FROM PHILOSOPHY COURSE LEVEL 300 OR 400 WHICH MAY INCLUDE RELIGST 303 OR RELIGST 330
5. SELECT 6 ELECTIVE UNITS FROM PHILOSOPHY DEPT WHICH MAY INCLUDE INTRAUNV 246 AND RELIGST 201

PHILOSOPHY EDUCATION EMPHASIS

MINOR - 22 UNITS

1. PHILSPHY 251
2. PHILSPHY 245 OR PHILSPHY 261
3. PHILSPHY 341 OR PHILSPHY 342 OR PHILSPHY 343 OR PHILSPHY 345
4. SELECT 10 ELECTIVE UNITS FROM PHILOSOPHY DEPT WHICH MAY INCLUDE INTRAUNV 246 AND RELIGST 201
5. SELECT 3 UNITS FROM PHILOSOPHY COURSE LEVEL 300 OR 400 WHICH MAY INCLUDE RELIGST 303 OR RELIGST 330

LIBERAL STUDIES MAJOR

The Liberal Studies major is designed for students who want a broad liberal arts background and the flexibility to tailor their studies to their own needs, interests and career goals. The major encompasses study of a wide range of disciplines, including the arts, humanities, sciences and social sciences, which enable students to develop breadth of vision, a capacity for critical thinking, and a fundamental understanding of human nature, society and values. The major also fosters development of skills and abilities employers consider most important, such as problem solving, analytical thinking, interpersonal relations and communications skills, among others. Applied minors such as Professional Business Studies, Public Relations, and Legal Studies complement this major especially well.

The Liberal Studies major is particularly appropriate for non-traditional, returning and transfer students who wish to complete a degree. Every effort is made to include applicable transfer courses within the major whether they have UW-W equivalents or not, and courses scheduled to accommodate

working adults.

For more information on this major, contact the Philosophy Department.

LIBERAL STUDIES MAJOR WITH MINOR (BA/BS)

MAJOR - 36 UNITS

1. LSINDP 201
2. SELECT 3 UNITS FROM COURSES
PHILSPHY 245, PHILSPHY 247, PHILSPHY 261, BIOLOGY 247, INTRAUNV 246
3. SELECT 3 UNITS FROM COURSES
PHILSPHY 271, ENGLISH 274, ENGLISH 373, ENGLISH 375, ENGLISH 376, MUSC 151, MUSC 153, MUSC 161, MUSC 162, MUSC 164, MUSC 166, MUSC 169, MUSC 171, MUSC 175, MUSC 177, MUSC 186, MUSC 187, MUSC 188, MUSC 189, MUSC 269, MUSC 271, MUSC 272, MUSC 279, MUSC 383, MUSC 452, MUSC 453, MUSC 457, MUSC 458, MUSC 459, ART (ANY COURSE EXCEPT ARTSTDIO 180), THEATRE (ANY COURSE EXCEPT THEATRE 100, THEATRE 346, DANCE 361 THRU DANCE 364, THEATRE 345, THEATRE 346, THEATRE 454, THEATRE 471, THEATRE 472, THEATRE 478), DANCE (ANY COURSE EXCEPT DANCE 110)
4. SELECT 3 UNITS FROM COURSES
PHILSPHY 251, SPEECH 344, SPEECH 345, ENGLISH 271, ENGLISH 370, HISTRY 200, POLISCI 301, PSYCH 215, PSYCH 216, MATH 230, MATH 231, SOCIOLOGY 476, BIOLOGY 303
5. SELECT 3 UNITS FROM COURSES
SPEECH 228, SPEECH 240, SPEECH 242, SPEECH 328, SPEECH 420, SPEECH 424
6. SELECT 3-9 UNITS FROM COURSES
PHILSPHY 341, PHILSPHY 342, PHILSPHY 365, RELIGST 212, RELIGST 252, RELIGST 355, ENGLISH 321, ENGLISH 401, ENGLISH 402, ENGLISH 404, ENGLISH 405, ENGLISH 412, ENGLISH 414, HISTRY 154, HISTRY 155, HISTRY 351, HISTRY 355, HISTRY 375, HISTRY 451, HISTRY 452, ECON 404, ARTHIST 201, ARTHIST 202, ARTHIST 305, ARTHIST 311, ARTHIST 312, ARTHIST 314, ARTHIST 315, ARTHIST 316, MUSC 140, MUSC 245, MUSC 246, THEATRE 345, THEATRE 454, THEATRE 471, THEATRE 472, SPEECH 359
7. LSINDP 499
8. SELECT ELECTIVE UNITS FROM AT LEAST THREE OF THE FOLLOWING CATEGORIES TO BRING THE TOTAL TO 36 UNITS.
 - A. CONTEMPORARY CULTURE: PHILSPHY 345, PHILSPHY 390, RELIGST 201, ENGLISH 216, ENGLISH 263, ENGLISH 346, ENGLISH 347, ENGLISH 353, ENGLISH 360, ENGLISH 464, HISTRY 326, HISTRY 352, HISTRY 394, HISTRY 460, SPEECH 305, SPEECH 232, SPEECH 326, SPEECH 339, ARTHIST 317, ARTHIST 318, ARTHIST 319, MUSC 247, THEATRE 346, THEATRE 478, POLISCI 357, POLISCI 315, POLISCI 412, POLISCI 446, RACEETH 380, AFRIAMR 100, AFRIAMR 365, AFRIAMR 396, AFRIAMR 397
 - B. INDIVIDUAL AND SOCIETY: ENGLISH 264, PHILSPHY 281, RELIGST 330, POLISCI 414, PSYCH 202, PSYCH 304, PSYCH 331, PSYCH 332, PSYCH 345, PSYCH 355, AFRIAMR 270, AFRIAMR 470, GEOGRPY 230, SOCIOLOGY 250, SOCIOLOGY 252, SOCIOLOGY 265, SOCIOLOGY 270, SOCIOLOGY 276, SOCIOLOGY 276, SOCIOLOGY 330, SOCIOLOGY 340, SOCIOLOGY 345, SOCIOLOGY 355, SOCIOLOGY 362, SOCIOLOGY 370, SOCIOLOGY

410, SOCIOLOGY 451, SOCIOLOGY 455, SOCIOLOGY 459, SOCIOLOGY 470, WOMENST 100, WOMENST 240, WOMENST 303, WOMENST 320, WOMENST 350, WOMENST 392, ANTHROPL 218

- C. GLOBAL PERSPECTIVES: ECON 360, ECON 401, ECON 406, ECON 359, GEOGRPY 332, GEOGRPY 362, GEOGRPY 363, GEOGRPY 368, HISTRY 342, HISTRY 343, HISTRY 346, HISTRY 371, HISTRY 372, ENGLISH 322, POLISCI 350, POLISCI 351, POLISCI 352, ANTHROPL 334, ANY FOREIGN LANGUAGE COURSE BEYOND 142, EXCLUDING RETRO CREDITS. ANY 491 TRAVEL STUDY ABROAD COURSE APPROVED BY ADVISOR.
 - D. NON-WESTERN CULTURES: ENGLISH 323, ENGLISH 324, GEOGRPY 368, HISTRY 130, HISTRY 131, HISTRY 340, HISTRY 432, HISTRY 433, RELIGST 211, RELIGST 303, POLISCI 460, POLISCI 461, POLISCI 471, SOCIOLOGY 290, ANTHROPL 324
 - E. AMERICAN STUDIES: GEOGRPY 334, GEOGRPY 430, HISTRY 141, HISTRY 300, HISTRY 301, HISTRY 304, HISTRY 305, HISTRY 306, HISTRY 307, HISTRY 316, HISTRY 317, HISTRY 324, HISTRY 362, HISTRY 390, HISTRY 401, ENGLISH 200, ENGLISH 226, ENGLISH 236, ENGLISH 265, ENGLISH 341, ENGLISH 342, ENGLISH 345, ENGLISH 348, ENGLISH 363, ENGLISH 368, ENGLISH 369, PHILSPHY 365, PHILSPHY 343, RELIGST 351, MUSC 143, MUSC 144, POLISCI 217, POLISCI 247, AFRIAMR 320, AFRIAMR 345, CHICANO 200, CHICANO 320, CHICANO 330, WOMENST 250, WOMENST 370
 - F. SCIENCE, SOCIETY AND THE ENVIRONMENT: GEOGRPY 252, GEOGRPY 323, GEOGRPY 452, HISTRY 165, PHILSPHY 291, WOMENST 360, ECON 471
 - G. INTERNSHIP: LIBST 493 OR APPROPRIATE DEPARTMENTAL INTERNSHIP AS DETERMINED IN CONSULTATION WITH ADVISOR
9. AT LEAST 15 UNITS AT THE 300/400 LEVEL. COURSES USED IN THE MAJOR MAY NOT BE USED TO SATISFY UNIVERSITY REQUIREMENTS.

WRITING REQUIREMENT:

1. UPPER CLASS WRITING REQUIREMENT: LSINDP 499

AN APPROVED MINOR IS REQUIRED FOR THIS MAJOR

LIBERAL STUDIES MAJOR WITH NO MINOR (BA/BS)

MAJOR - 54 UNITS

1. LSINDP 201
2. SELECT 3 UNITS FROM COURSES
PHILSPHY 245, PHILSPHY 247, PHILSPHY 261, BIOLOGY 247, INTRAUNV 246
3. SELECT 3 UNITS FROM COURSES
PHILSPHY 271, ENGLISH 274, ENGLISH 373, ENGLISH 375, ENGLISH 376, MUSC 151, MUSC 153, MUSC 161, MUSC 162, MUSC 164, MUSC 166, MUSC 169, MUSC 171, MUSC 175, MUSC 177, MUSC 186, MUSC 187, MUSC 188, MUSC 189, MUSC 269, MUSC 271, MUSC 272, MUSC 279, MUSC 383, MUSC 452, MUSC 453, MUSC 457, MUSC 458, MUSC 459, ART (ANY COURSE EXCEPT ARTSTDIO 180), THEATRE (ANY COURSE EXCEPT THEATRE 100, THEATRE 346, DANCE 361 THRU DANCE 364, THEATRE 345, THEATRE 346, THEATRE 454, THEATRE 471, THEATRE 472, THEATRE 478), DANCE (ANY COURSE EXCEPT DANCE 110)
4. SELECT 3 UNITS FROM COURSES
PHILSPHY 251, SPEECH 344, SPEECH 345, ENGLISH 271, ENGLISH 370, HISTRY 200, POLISCI 301, PSYCH 215, PSYCH

- 216, MATH 230, MATH 231, SOCIOLOGY 476, BIOLOGY 303
5. SELECT 3 UNITS FROM COURSES
SPEECH 228, SPEECH 240, SPEECH 242, SPEECH 328, SPEECH 420, SPEECH 424
 6. SELECT 3-9 UNITS FROM COURSES
PHILSPHY 341, PHILSPHY 342, PHILSPHY 365, RELIGST 212, RELIGST 252, RELIGST 355, ENGLISH 321, ENGLISH 401, ENGLISH 402, ENGLISH 404, ENGLISH 405, ENGLISH 412, ENGLISH 414, HISTORY 154, HISTORY 155, HISTORY 351, HISTORY 355, HISTORY 375, HISTORY 451, HISTORY 452, ECON 404, ARTHIST 201, ARTHIST 202, ARTHIST 305, ARTHIST 311, ARTHIST 312, ARTHIST 314, ARTHIST 315, ARTHIST 316, MUSC 140, MUSC 245, MUSC 246, THEATRE 345, THEATRE 454, THEATRE 471, THEATRE 472, SPEECH 359
 7. SELECT 3 UNITS FROM LSINDP 499
 8. SELECT 3 UNITS FROM COURSES
PHILSPHY 345, PHILSPHY 390, RELIGST 201, ENGLISH 216, ENGLISH 263, ENGLISH 346, ENGLISH 347, ENGLISH 353, ENGLISH 360, ENGLISH 464, HISTORY 326, HISTORY 352, HISTORY 394, HISTORY 460, SPEECH 232, SPEECH 305, SPEECH 326, SPEECH 339, ARTHIST 317, ARTHIST 318, ARTHIST 319, MUSC 247, THEATRE 346, THEATRE 478, POLISCI 357, POLISCI 315, POLISCI 412, POLISCI 446, RACEETH 380, AFRIAMR 100, AFRIAMR 365, AFRIAMR 396, AFRIAMR 397
 9. SELECT 3 UNITS FROM COURSES
ENGLISH 264, PHILSPHY 281, RELIGST 330, POLISCI 414, PSYCH 202, PSYCH 304, PSYCH 331, PSYCH 332, PSYCH 345, PSYCH 355, AFRIAMR 270, AFRIAMR 470, GEOGRPY 230, SOCIOLOGY 250, SOCIOLOGY 252, SOCIOLOGY 265, SOCIOLOGY 270, SOCIOLOGY 276, SOCIOLOGY 330, SOCIOLOGY 340, SOCIOLOGY 345, SOCIOLOGY 355, SOCIOLOGY 362, SOCIOLOGY 370, SOCIOLOGY 410, SOCIOLOGY 451, SOCIOLOGY 455, SOCIOLOGY 459, SOCIOLOGY 470, WOMENST 100, WOMENST 240, WOMENST 303, WOMENST 320, WOMENST 350, WOMENST 392, ANTHROPL 218
 10. SELECT 3 UNITS FROM COURSES
ECON 360, ECON 401, ECON 406, ECON 359, GEOGRPY 332, GEOGRPY 362, GEOGRPY 363, GEOGRPY 365, GEOGRPY 368, HISTORY 342, HISTORY 343, HISTORY 346, HISTORY 371, HISTORY 372, ENGLISH 322, POLISCI 350, POLISCI 351, POLISCI 352, ANTHROPL 334, ANY FOREIGN LANGUAGES COURSE BEYOND 142 (EXCLUDING RETRO CREDITS) AND ANY 491 TRAVEL STUDY ABROAD APPROVED BY ADVISOR
 11. SELECT 3 UNITS FROM COURSES
ENGLISH 323, ENGLISH 324, GEOGRPY 368, HISTORY 130, HISTORY 131, HISTORY 340, HISTORY 432, HISTORY 433, RELIGST 211, RELIGST 303, POLISCI 460, POLISCI 461, POLISCI 471, SOCIOLOGY 290, ANTHROPL 324, ANY 491 TRAVEL STUDY ABROAD COURSE APPROVE BY ADVISOR
 12. SELECT 3 UNITS FROM COURSES
GEOGRPY 334, GEOGRPY 430, HISTORY 141, HISTORY 300,, HISTORY 301, HISTORY 304, HISTORY 305, HISTORY 306, HISTORY 307, HISTORY 316, HISTORY 317, HISTORY 324, HISTORY 362, HISTORY 390, HISTORY 401, HISTORY 403, ENGLISH 200, ENGLISH 226, ENGLISH 236, ENGLISH 265, ENGLISH 341, ENGLISH 342, ENGLISH 345, ENGLISH 348, ENGLISH 363, ENGLISH 368, ENGLISH 369, THEATRE 369, PHILSPHY 343, RELIGST 351, MUSC 143, MUSC 144, POLISCI 217, POLISCI 247, POLISCI 317, POLISCI 318, POLISCI 413, POLISCI 419, POLISCI 457, AFRIAMR 320, AFRIAMR 345,

- CHICANO 200, CHICANO 320, CHICANO 330, WOMENST 250, WOMENST 370
13. SELECT 3 UNITS FROM COURSES
ANY COURSE IN BIOLOGICAL SCIENCES, CHEMISTRY, GEOLOGY, PHYSICS/ASTRONOMY, GEOGRPY 252, GEOGRPY 323, GEOGRPY 452, HISTORY 165, PHILSPHY 291, WOMENST 360, ECON 471
 14. LIBST 493 OR APPROPRIATE DEPARTMENTAL INTERNSHIP AS DETERMINED IN CONSULTATION WITH ADVISOR
 15. SELECT 15 UNITS WITH ADVISOR IN FOCUS AREA, INCLUDING 9 UNITS OF WHICH MUST BE AT THE 300 OR 400 LEVEL. AT LEAST 15 UNITS AT THE 300/400 LEVEL IN ADDITION TO THOSE USED IN FOCUS AREA. COURSES MAY NOT BE USED IN UNIVERSITY REQUIREMENTS.

WRITING REQUIREMENTS:

1. UPPER CLASS WRITING REQUIREMENT: LSINDP 499

MINOR/EMPHASIS**LIBERAL STUDIES**

MINOR - 24 UNITS

1. LIBST 201 OR LIBST 499
2. SELECT 3 UNITS FROM ETHICS COURSES:
BIOLOGY 247, INTRAVNV 246, PHILSPHY 245, PHILSPHY 261
3. SELECT 3 UNITS FROM COMMUNICATION AND CREATIVE EXPRESSION COURSES:
ENGLISH 274, ENGLISH 370, ENGLISH 373, ENGLISH 375, ENGLISH 376, ENGLISH 377, PHILSPHY 271, SPEECH 344, SPEECH 345, SPEECH 420, SPEECH 424
4. SELECT 3 UNITS FROM ANALYTICAL SKILLS COURSES:
ECON 245, ENGLISH 372, MATH 230, MATH 231, MATH 243, MATH 250, PHILSPHY 251, PSYCH 215, OR ANY COURSE IN ASTRONOMY, BIOLOGICAL SCIENCES, CHEMISTRY OR PHYSICS NOT USED FOR GENERAL EDUCATION CREDIT
5. SELECT 3 UNITS FROM WESTERN CULTURAL HERITAGE COURSES:
ARTHIST 201, ARTHIST 202, ARTHIST 305, ARTHIST 311, ARTHIST 312, ARTHIST 313, ARTHIST 314, ARTHIST 315, ARTHIST 316, AFRIAMR 100, CHICANO 200, ENGLISH 200, ENGLISH 206, ENGLISH 251, ENGLISH 252, ENGLISH 321, HISTORY 154, HISTORY 324, HISTORY 325, HISTORY 351, HISTORY 355, HISTORY 375, PHILSPHY 341, RELIGST 212, RELIGST 252, RELIGST 355
6. SELECT 3 UNITS FROM CONTEMPORARY CULTURE COURSES:
ARTHIST 317, ARTHIST 318, ARTHIST 319, AFRIAMR 141, AFRIAMR 360, AFRIAMR 396, AFRIAMR 397, AFRIAMR 345, CHICANO 201, CHICANO 330, ENGLISH 201, ENGLISH 216, ENGLISH 236, ENGLISH 263, ENGLISH 345, ENGLISH 346, ENGLISH 360, ENGLISH 363, HISTORY 141, HISTORY 307, HISTORY 326, HISTORY 352, HISTORY 394, HISTORY 460, PHILSPHY 342, PHILSPHY 345, PHILSPHY 390, RELIGST 212, POLISCI 380, POLISCI 412, POLISCI 446
7. SELECT 3 UNITS FROM INDIVIDUAL AND SOCIETY COURSES:
AFRIAMR 270, ANTHROPL 218, ENGLISH 264, ENGLISH 368, ENGLISH 369, GEOGRPY 230, POLISCI 414, PSYCH 202, PSYCH 304, PSYCH 355, RELIGST 330, SOCIOLOGY 250, SOCIOLOGY 252, SOCIOLOGY 265, SOCIOLOGY 270, SOCIOLOGY 276, SOCIOLOGY 330, SOCIOLOGY 340, SOCIOLOGY

345, SCIOLOGY 355, SOCIOLOGY 363, HISTORY 141, HISTORY 307, HISTORY 326, HISTORY 352, HISTORY 394, HISTORY 460, PHILSPHY 342, PHILSPHY 345, PHILSPHY 390, RELIGST 212, POLISCI 380, POLISCI 412, POLISCI 446

8. SELECT 3 UNITS FROM GLOBAL PERSPECTIVES COURSES:

ANTHROPL 334, ENGLISH 322, ENGLISH 323, ENGLISH 324, GEOGRPY 332, GEOGRPY 362, GEOGRPY 363, GEOGRPY 364, GEOGRPY 365, GEOGRPY 368, HISTORY 155, HISTORY 130, HISTORY 135, HISTORY 340, HISTORY 342, HISTORY 343, HISTORY 346, HISTORY 348, HISTORY 371, HISTORY 372, POLISCI 255, POLISCI 340, POLISCI 350, POLISCI 351, POLISCI 352, POLISCI 460, POLISCI 461, POLISCI 471, RELIGST 211, RELIGST 303, ANY 491 TRAVEL STUDY COURSE APPROVED BY DEPARTMENT CHAIR. ANDY FOREIGN LANGUAGE COURSE BEYOND 142 LEVEL, EXCLUDING RETRO CREDITS.

NOTE: At least 12 units must be at the 300/400 level. Courses counted in the major cannot be counted in this minor. Courses counted in General Education requirements may not be counted in this minor. No more than 4 courses from any one subject area may be counted in this minor. No more than 2 courses from the major subject area may be counted in this minor.

COURSE DESCRIPTIONS

LIBST 201 SEMINAR: INTRODUCTION TO LIBERAL STUDIES 3 u

An introduction to the concept of a liberal education, the methodologies of the liberal arts disciplines, and the use of computer technology for basic research. Students will create an individual plan of study to guide them through their Liberal Studies major and prepare them to complete a senior thesis project.

Prereq: GENED 110, GENED 130, and GENED 120 or GENED 140 or sophomore standing.

LIBST 493 INTERNSHIP IN LIBERAL STUDIES 1-3 u

LIBST 496 SPECIAL STUDIES 1-3 u

LIBST 497 EXCHANGE STUDIES 1-12 u

LIBST 499 SENIOR THESIS 3 u

A capstone course for liberal studies majors. Students will write a 5,000-10,000 word reflective statement, or equivalent project, in which they integrate key concepts and methodologies of the liberal arts and draw thematic connections between the courses constituting their liberal studies major.

Prereq: LSINDP 201 and senior status. Students in the 36 unit major must have completed 24 units in the major in addition to LSINDP 201 and students in the 54 unit broad-field major must have completed 45 units in the major in addition to LSINDP 201.

COURSE DESCRIPTIONS

PHILSPHY 241 INTRODUCTION TO PHILOSOPHY GH 3 u

An introduction to philosophical thought. Representative philosophers and representative issues, such as the nature of ethical reasoning, rival theories of knowledge, and the individual's relation to society, are considered. The emphasis is on argument and analysis, and on issues which are relevant to philosophical problems.

PHILSPHY 245 CONTEMPORARY MORAL ISSUES GH 3 u

An analysis and critical examination of contemporary moral issues related to business, science, and social policy as developed by current participants

in the debate and moral philosophers of various periods and philosophical perspectives.

PHILSPHY 247 BIOETHICS GH 3 u

This course provides an introduction to the basic science underlying current research in biology, as well as critical study of ethical, legal and social issues raised by technological applications of biological research in such fields as medicine, genetic counseling, law, and family planning.

PHILSPHY 248 ENVIRONMENTAL ETHICS GH 3 u

A critical examination of ethical issues and problems arising from human interaction with non-human animals and the natural environment. Topics, such as the moral status of non-human animals, the moral bases of an environmental ethics, biodiversity, and sustainable development, will be considered by examining the writing of philosophers representing various perspectives.

PHILSPHY 251 LOGIC GH 3 u

By examining basic concepts, methods, and techniques for evaluating argumentation, this course aims at developing students' abilities to recognize, criticize, and construct arguments. The relationship between language and good reasoning will also be considered.

PHILSPHY 261 INTRODUCTION TO ETHICS GH 3 u

A study of the main Western theories of moral value and obligation. These theories will be analyzed in terms of their adequacy for solving moral problems and their ability to articulate the morally good life. Consideration will also be given to challenges to normative ethics.

PHILSPHY 271 INTRODUCTION TO AESTHETICS GH 3 u

An analysis and discussion of problems as to the nature of art, artistic truth or insight, aesthetic appreciation, evaluation of works of art, creativity, and the role of the artist in society.

Prereq: GENED 110 or consent of the instructor.

PHILSPHY 281 SOCIAL PHILOSOPHY GH 3 u

A discussion of ideas which are basic to thinking about society, its purposes, and its structure. Such ideas as justice, equality, rights, obligations and freedom are examined.

Prereq: GENED 130 or consent of the instructor.

PHILSPHY 291 PHILOSOPHY OF THE NATURAL AND SOCIAL SCIENCES GH 3 u

A critical examination of the methods, presuppositions, and concepts of the natural and social sciences. This course examines key concepts in the sciences such as time, space, explanation, verification, model construction, etc.

PHILSPHY 341 CLASSICAL PHILOSOPHY GH 3 u

An introduction to the major figures in Greek philosophy, including representative pre-Socratic philosophers, Plato, and Aristotle, focusing on Classical sources of philosophy of science, ethics, political philosophy, and theory of knowledge.

Prereq: sophomore status

PHILSPHY 342 MODERN PHILOSOPHY GH 3 u

This course concentrates on the main movements in philosophy from Descartes through Kant. Principal works and selections from the major philosophers will be read.

Prereq: sophomore status.

PHILSPHY 343 AMERICAN PHILOSOPHY GH 3 u

This course examines the main currents of American philosophy through a study of the writings of America's major philosophers, e.g., Dewey, Peirce, James, Santayana, Mead, Whitehead, and more contemporary writers.

Prereq: Sophomore standing or consent of the instructor.

PHILSPHY 345 CONTEMPORARY PHILOSOPHY *GH* 3 u
A critical examination of major Western philosophers and philosophical schools of thought of the nineteenth and twentieth centuries.
Prereq: Sophomore standing or consent of instructor.

PHILSPHY 365 PHILOSOPHICAL AND RELIGIOUS PERSPECTIVES ON DEATH AND DYING *GH* 3 u

A critical examination of philosophical and religious materials dealing with death and dying. Issues such as the nature of death, the fear of death, the possibility of an afterlife, the concept of immortality, ethical and legal problems raised in the dying process, the ethics of hospice care, and the morality of euthanasia will be considered.
Prereq: Sophomore standing.

PHILSPHY 390/590 FEMINIST PHILOSOPHY 3 u

An introduction to feminist philosophy including its relation to other philosophical traditions, its historical development, and its relevance to concerns in areas such as ethics, theory of knowledge, political philosophy, and philosophy of religion.
Prereq: Soph level or consent of instructor.

PHILSPHY 490/690 WORKSHOP *Repeatable* 1-3 u

PHILSPHY 494/694 SEMINAR *Repeatable* 1-3 u

PHILSPHY 496/696 SPECIAL STUDIES *Repeatable* 1-3 u

PHILSPHY 497 EXCHANGE STUDY *Repeatable* 1-12 u

PHILSPHY 498 INDEPENDENT STUDY *Repeatable* 1-3 u

INTRAUNV 246 BUSINESS ETHICS *GI* 3 u
(See Interdisciplinary Studies)

RELIGIOUS STUDIES

Religious Studies provides information and discussion about religious issues and major religious traditions in an academic atmosphere of fairness and intellectual objectivity. The purpose of the discipline is to further the student's liberal education by promoting tolerance and an informed critical understanding about religious issues and ideas of various cultures. Its special concern is the intellectual examination of the religious content pervading influential ideals, values, and practices found in the dominant cultures of human society.

Individual Religious Studies courses may serve as complements to any program of university study and most fulfill General Education requirements in the Humanities. Several Religious Studies courses fulfill requirements in other programs such as in General Business-International Emphasis and in Asian Studies, and are approved to meet history and contemporary culture requirements for teacher licensure. In addition, selected Religious Studies courses are electives in International Studies, Asian Studies, Philosophy, and Women's Studies.

COURSE DESCRIPTIONS

RELIGST 135 INTRODUCTION TO ISLAMIC CIVILIZATIONS *GH* 3 u

This course examines emergence and evolution of Islamic Civilizations from the seventh century through the modern era. It covers the birth and spread of Islam, the rise and fall of Muslim Empires, religious and political institutions, scientific and cultural achievements, and the position of women and religious minorities.

RELIGST 201 CRITICAL ISSUES IN MODERN RELIGION *GH* 3 u

An introduction to selected critical issues relating to contemporary academic concerns and modern culture. A variety of intellectual and religious positions will be analyzed and discussed.

RELIGST 211 INTRODUCTION TO EASTERN RELIGIONS *GH* 3 u

An introduction to the major religious traditions in the cultural areas of South, Southeast, and East Asia: Hinduism, Buddhism, Jainism, Taoism, Confucianism, and Shinto.

RELIGST 212 INTRODUCTION TO WESTERN RELIGIONS *GH* 3 u

An introduction to the major religious traditions that have shaped Near Eastern and Western culture; especially Judaism, Christianity, and Islam.

RELIGST 252 THE BIBLE AS LITERATURE 3 u

This course will survey the Bible and some other related Near Eastern literature, focusing on the development of genres, motifs, and other literary forms that have influenced the form and content of Western literature, including the parable, the proverb, the loss of Eden, exile and return, origin stories, and hero stories. (Offered jointly with English).
Prereq: ENGLISH 101 and ENGLISH 102. Unreq: ENGLISH 252.

RELIGST 303 EASTERN RELIGIOUS THOUGHT *GH* 3 u

A study of selected texts and religious thought from India, China, and Japan in relation to their impact on personal spiritual development and cultural integration.
Prereq: Sophomore standing or consent of the instructor.

RELIGST 330 WOMEN AND RELIGION *GH* 3 u

This course will trace changing conceptions of gender roles and the functions of women in various religious traditions. Feminine and masculine images of divinity will be compared and recent scholarship in feminist theology on questions such as the nature of divinity, immortality, and religious devotion will be examined.
Prereq: Sophomore standing or consent of the instructor.

RELIGST 351 RELIGION IN AMERICAN CULTURE *GH* 3 u

An examination of the significant role played by religious ideas and traditions in American society from colonial times to the present in historical and cultural perspectives.
Prereq: Sophomore standing or consent of the instructor.

RELIGST 353 SOCIOLOGY OF RELIGION 3 u

A study of the function and forms of religious groups in primitive and contemporary societies; a theoretical examination of religion as a basic social institution. (Offered jointly with sociology).
Prereq: 3 units of sociology course work. Unreq: SOCIOLOGY 353.

RELIGST 355 THE RENAISSANCE AND THE REFORMATION *GH* 3 u

European history from 1300 to 1600 with emphasis on the Renaissance in Italy and northern Europe and the period of the Reformation. (Offered jointly with History).
Prereq: GENED 120 or consent of the instructor. Unreq: HISTORY 355.

RELIGST 388/588 THE HOLOCAUST: NAZI GERMANY & THE GENOCIDE OF THE JEWS 3 u

This course will examine the origins, implementation, and legacies of the Nazi Holocaust against the Jews. It is intended to help students gain an appreciation of the importance of the Holocaust to the Jewish experience, while understanding that other groups also were victimized. (Offered jointly with Sociology).
Prereq: 3 units of sociology, history or religious studies. Unreq: SOCIOLOGY 388/588.

RELIGST 490/690 WORKSHOP	<i>Repeatable</i>	1-3 u
RELIGST 494 SEMINAR	<i>Repeatable</i>	1-3 u
RELIGST 496/696 SPECIAL STUDIES	<i>Repeatable</i>	1-3 u
RELIGST 497 EXCHANGE STUDY	<i>Repeatable</i>	1-12 u
RELIGST 498 INDEPENDENT STUDIES	<i>Repeatable</i>	1-3 u

3. SELECT 2 UNITS FROM
PHYSICS 221, PHYSICS 303, PHYSICS 331, PHYSICS 355, PHYSICS 411 AND PHYSICS 413
4. SELECT REMAINING UNITS FROM PHYSICS
NUMBERED 300 OR 400 WITH NO MORE THAN 3
UNITS FROM COURSES PHYSICS 490 THRU 499

MAJOR - UNIQUE REQUIREMENT - 11 UNITS

1. COMPSCI 173, MATH 255, MATH 355 AND MATH 361 RLS

WRITING - 3 UNITS

1. ENGLISH 370 OR ENGLISH 372 RLS

AN APPROVED MINOR IS REQUIRED FOR THIS MAJOR

DEPARTMENT OF PHYSICS

Phone: 262-472-1067

E-Mail: physics@umw.edu

Faculty: Robert Benjamin, Juliana Constantinescu, Sudip Dasgupta, Kenneth Menningen (Chairperson), Paul Rybski, Steven Sahyun.

Physics is the science that is concerned with the basic structure of matter, including its properties and behavior. Physics serves as a foundation for the other sciences and its concepts and principles form the basis of engineering and technology.

MAJOR/EMPHASES

The recommended general physics course sequence for physics majors and minors is PHYSICS 170/175; with departmental approval PHYSICS 160/PHYSICS 163 may be substituted. PHYSICS 130 may be substituted for PHYSICS 170 or PHYSICS 160/161 upon the recommendation of the instructor in PHYSICS 130 and with the approval of the department.

PHYSICS ENGINEERING EMPHASIS (BA/BS)

(Recommended for students intending to attend engineering school)

MAJOR - 34 UNITS

1. PHYSICS 170, PHYSICS 172, PHYSICS 173, PHYSICS 174, PHYSICS 175, PHYSICS 280, PHYSICS 282 AND PHYSICS 489
2. SELECT REMAINING UNITS FROM PHYSICS 221, OR PHYSICS COURSES NUMBERED 300 OR HIGHER EXCEPT PHYSICS 310, AND NO MORE THAN 3 UNITS FROM 490-499 COURSES

MAJOR - UNIQUE REQUIREMENT - 22 UNITS

1. CHEM 102, CHEM 104, MATH 255, MATH 355, MATH 361 AND COMPSCI 173 RLS

WRITING - 3 UNITS

1. ENGLISH 370 OR ENGLISH 372 RLS

AN APPROVED MINOR IS REQUIRED FOR THIS MAJOR.

PHYSICS GRADUATE SCHOOL EMPHASIS (BA/BS)

(Recommended for students intending to attend graduate school.)

MAJOR - 34 UNITS

1. SELECT 1 GROUP
(PHYSICS 170, PHYSICS 172, PHYSICS 173, PHYSICS 174, PHYSICS 175) OR (PHYSICS 160, PHYSICS 161, PHYSICS 162, PHYSICS 163)
2. PHYSICS 310, PHYSICS 320 AND PHYSICS 489

PHYSICS INDUSTRY EMPHASIS (BA/BS)

(Recommended for students intending to seek employment in industry.)

MAJOR - 34 UNITS

1. PHYSICS 170, PHYSICS 172, PHYSICS 173, PHYSICS 174, PHYSICS 175, PHYSICS 221, PHYSICS 310, PHYSICS 320, PHYSICS 330, PHYSICS 331, PHYSICS 364 AND PHYSICS 489
2. SELECT 1 GROUP
(PHYSICS 354 AND PHYSICS 355) OR
(PHYSICS 410 AND PHYSICS 411)
3. SELECT REMAINING UNITS FROM PHYSICS
NUMBERED 300 OR 400 WITH NO MORE THAN 3
UNITS FROM 490 - 499 COURSES

MAJOR - UNIQUE REQUIREMENT - 28 UNITS

1. CHEM 102, CHEM 104, MATH 255, MATH 355, MATH 361, COMPSCI 173, BSEDCNA 141 AND ACCOUNT 244 RLS

WRITING - 3 UNITS

1. ENGLISH 370 OR ENGLISH 372 RLS

AN APPROVED MINOR IS REQUIRED FOR THIS MAJOR

PHYSICS (BSE)

(Recommended for students intending to teach physics in secondary school.)

LICENSURE - 40 UNITS

1. SECNDED 466
2. EDFOUND 243 OR EDFOUND 445
3. SELECT 2 UNITS FROM EDFNDPRC 210
4. STUDENT TEACHING
SELECT 2 UNITS FROM CIFLD 402 AND 12 UNITS FROM
CIFLD 414 OR SELECT 2 UNITS FROM CIFLD 404 AND
12 UNITS FROM CIFLD 412
5. SECNDED 429
6. GEOGRPY 252 (GS) OR BIOLOGY 214 (GM) RLS
7. EDFOUND 212 AND EDFOUND 425
8. SELECT 3 UNITS FROM COURSE CIFLD 492
9. SELECT 3 UNITS FROM SPECED 205

MAJOR - 34 UNITS

1. SELECT 1 GROUP
(PHYSICS 170, PHYSICS 172, PHYSICS 173, PHYSICS 174, PHYSICS 175) OR (PHYSICS 160, PHYSICS 161, PHYSICS 162, PHYSICS 163)
2. PHYSICS 310, PHYSICS 320, PHYSICS 410 AND PHYSICS 489
3. SELECT REMAINING UNITS FROM PHYSICS 221, ASTRONOMY 112 AND COURSES NUMBERED 300 OR 400 WITH NO

MORE THAN 3 UNITS SELECTED FROM COURSES
PHYSICS 490 THRU 499

WRITING - 3 UNITS

1. ENGLISH 370 OR ENGLISH 372 RLS

AN APPROVED MINOR IS REQUIRED FOR THIS MAJOR

GENERAL SCIENCE-BROADFIELD PHYSICAL SCIENCE EMPHASIS (BSE)

LICENSURE - 40 UNITS

1. SECNDED 466
2. EDFOUND 243 OR EDFOUND 445
3. SELECT 2 UNITS FROM EDFNDPRC 210
4. STUDENT TEACHING
SELECT 2 UNITS FROM CIFLD 402 AND 12 UNITS FROM
CIFLD 414 OR SELECT 2 UNITS FROM CIFLD 404 AND
12 UNITS FROM CIFLD 412
5. SECNDED 429
6. GEOGRPY 252 (GS) OR BIOLOGY 214 (GM) RLS
7. EDFOUND 212 AND EDFOUND 425
8. SELECT 3 UNITS FROM COURSE CIFLD 492
9. SELECT 3 UNITS FROM SPECED 205

MAJOR - 58 UNITS

1. SELECT 1 GROUP
(PHYSICS 170, PHYSICS 172, PHYSICS 173, PHYSICS 174,
PHYSICS 175) OR (PHYSICS 160, PHYSICS 161, PHYSICS 162,
PHYSICS 163)
2. PHYSICS 310 AND PHYSICS 410
3. SELECT 1 COURSE FROM
PHYSICS 221, PHYSICS 303, PHYSICS 331, PHYSICS 355, PHY-
SCS 411 OR PHYSICS 413
4. SELECT 5-7 UNITS OF PHYSICS ELECTIVES FROM COUR-
SES AT 300 OR 400 LEVEL FOR A TOTAL OF 24 PHYSICS
UNITS
5. CHEM 252 OR CHEM 370
6. CHEM 102, CHEM 104, CHEM 251, CHEM 261 AND CHEM 352
AND SELECT 1 UNIT FROM CHEMISTRY
7. SELECT 10 UNITS FROM BIOLOGY
8. SELECT 10 UNITS FROM EARTH SCIENCE

WRITING - 3 UNITS

1. ENGLISH 370 OR ENGLISH 372 RLS

GENERAL SCIENCE-BROADFIELD PHYSICS EMPHASIS (BSE)

LICENSURE - 40 UNITS

1. SECNDED 466
2. EDFOUND 243 OR EDFOUND 445
3. SELECT 2 UNITS FROM EDFNDPRC 210
4. STUDENT TEACHING
SELECT 2 UNITS FROM CIFLD 402 AND 12 UNITS FROM
CIFLD 414 OR SELECT 2 UNITS FROM CIFLD 404 AND
12 UNITS FROM CIFLD 412
5. SECNDED 429
6. GEOGRPY 252 (GS) OR BIOLOGY 214 (GM) RLS
7. EDFOUND 212 AND EDFOUND 425
8. SELECT 3 UNITS FROM COURSE CIFLD 492
9. SELECT 3 UNITS FROM SPECED 205

MAJOR - 58 UNITS

1. SELECT 1 GROUP

(PHYSICS 170, PHYSICS 172, PHYSICS 173, PHYSICS 174,
PHYSICS 175) OR (PHYSICS 160, PHYSICS 161, PHYSICS 162,
PHYSICS 163)

2. PHYSICS 310, PHYSICS 410 AND PHYSICS 489

3. SELECT 1 COURSE FROM

PHYSICS 221, PHYSICS 303, PHYSICS 331, PHYSICS 355, PHY-
SCS 411 OR PHYSICS 413

4. SELECT 3-5 UNITS OF PHYSICS ELECTIVES FROM
COURSES AT 300 OR 400 LEVEL FOR A TOTAL OF 24 PHYS-
ICS UNITS

5. SELECT 14 UNITS FROM BIOLOGY, CHEMISTRY
OR EARTH SCIENCE

(GEOLOGY 100, GEOLOGY 204, GEOLOGY 205, GEOLOGY 300,
GEOLOGY 301, GEOLOGY 314 THRU GEOLOGY 319, GEOLOGY
490 THRU GEOLOGY 498, GEOGRPY 210, GEOGRPY 310,
GEOGRPY 320, ASTRONOMY 112 OR ASTRONOMY 114)
OR BIOLOGY OR CHEMISTRY DEPTS

6. SELECT 10 UNITS FROM EACH OF 2 SCIENCES NOT TAKEN
PREVIOUSLY

WRITING - 3 UNITS

1. ENGLISH 370 OR ENGLISH 372 RLS

Earth science courses include: all courses in geology, physical geography, geomorphology, meteorology and climate, physiography, introductory astronomy and descriptive astronomy. This major is designed to prepare broadly trained, versatile science teachers for maximum employment opportunities and cannot be completed with 120 units. The actual number of units for most students will be about 130 units.

MINOR/EMPHASIS

PHYSICS

MINOR - 24 UNITS

1. SELECT 1 GROUP

(PHYSICS 170, PHYSICS 172, PHYSICS 173, PHYSICS 174,
PHYSICS 175) OR (PHYSICS 160, PHYSICS 161, PHYSICS 162,
PHYSICS 163)

2. PHYSICS 310 AND PHYSICS 410

3. SELECT ELECTIVE UNITS FROM PHYSICS TO TOTAL
24 UNITS FROM COURSES AT 300 OR 400 LEVEL

PHYSICS EDUCATION EMPHASIS

MINOR - 24 UNITS

1. SELECT 1 GROUP

(PHYSICS 170, PHYSICS 172, PHYSICS 173, PHYSICS 174,
PHYSICS 175) OR (PHYSICS 160, PHYSICS 161, PHYSICS 162,
PHYSICS 163)

2. PHYSICS 310 AND PHYSICS 410

3. SELECT 1 COURSE FROM PHYSICS 221, PHYSICS 303, PHYSICS
331, PHYSICS 355, PHYSICS 411, OR PHYSICS 413

4. SELECT ELECTIVES FOR TOTAL OF 24 UNITS FROM
COURSES AT 300 OR 400 LEVEL

PHYSICAL SCIENCE

MINOR - 23 UNITS

1. (PHYSICS 160, PHYSICS 161, PHYSICS 162, PHYSICS 163) OR
(PHYSICS 170,

PHYSICS 172, PHYSICS 173, PHYSICS 174, PHYSICS 175)

2. SELECT ELECTIVES FOR TOTAL OF 23 UNITS FROM:
CHEM 251, CHEM 252, CHEM 261, CHEM 262, CHEM

352,
CHEM 456, MATH 243, MATH 250, MATH 253, PHYSICS
221, PHYSICS 330, OR PHYSICS 331

UNIQUE REQUIREMENT:

1. CHEM 102, CHEM 104 AND MATH 152

COURSE DESCRIPTIONS

PHYSICS 100 ENERGY *GL* 4 u

An examination of energy; its nature, the forms in which it appears, its transformation, current and future sources, and energy issues faced by an informed electorate. Three one-hour lectures and one two-hour laboratory per week.

Coreq: MATH 140 or MATH 141.

PHYSICS 120 LIGHT AND COLOR *GL* 4 u

An introduction to light science for students in the visual arts and for students with an interest in art. The course includes the properties of light and color, the interaction of light with matter, the formation of visual images, and color vision. Three one-hour lectures and one two-hour laboratory per week.

Coreq: MATH 140 or MATH 141.

PHYSICS 130 PHYSICS FOUNDATIONS *GL* 5 u

This course will explore topics in classical physics (motion, heat, sound, electricity, magnetism, and light) and modern physics (atomic structure, quantum mechanics and relativity) with an emphasis on how the principles explain and predict phenomena we observe every day. Four one-hour lectures and one two-hour laboratory per week.

Coreq: MATH 141 or consent of instructor. Unreq: PHYSICS 210.

PHYSICS 150 FROM EINSTEIN TO STAR TREK *GM* 3 u

This introductory survey course will focus on areas of modern physics that are frequently discussed but often misunderstood. The theories of Einstein and other physicists will be used to examine science fiction devices such as time machines, warp drives, and mass transporters. Integrated throughout will be a discussion of what are science, science fiction, and pseudo-science. Not applicable toward any physics major or minor. Three hours of lecture a week.

PHYSICS 160 GENERAL PHYSICS I *GL* 4 u

A non-calculus course in general physics concerned with the philosophy, nature and methods as well as the fundamental concepts of physics. The content covers the basic principles of the nature and structure of matter, energy, mechanics, fluid mechanics and waves, emphasizing applications of physics to the life and health sciences. Four one-hour lectures per week. PHYSICS 160 and PHYSICS 161 together satisfy the General Education lab science course requirement.

Coreq: MATH 152. Unreq: PHYSICS 170.

PHYSICS 161 GENERAL PHYSICS LABORATORY I *GL* 1 u

A laboratory course in general physics with experimental work in mechanics, heat and sound. This is the laboratory companion of course PHYSICS 160. One three-hour laboratory per week.

Coreq: PHYSICS 160. Unreq: PHYSICS 173.

PHYSICS 162 GENERAL PHYSICS II *GL* 4 u

A non-calculus course in general physics concerned with the philosophy, nature and methods as well as the fundamental concepts of physics. The content covers the basic principles of electricity and magnetism, modern physics, light, and optics. Emphasizes applications of physics to the life and health sciences. Four one-hour lectures per week.

Prereq: PHYSICS 160.

PHYSICS 163 GENERAL PHYSICS LABORATORY II *GL* 1 u

A laboratory in general physics with experiments in optics, electricity and magnetism and modern physics. This is the laboratory companion of PHYSICS 162. One three-hour laboratory per week.

Coreq: PHYSICS 162. Unreq: PHYSICS 175.

PHYSICS 170 INTRODUCTORY PHYSICS I *GM* 3 u

A lecture course in introductory physics concentrating on the scientific method, application of mathematics to physics concepts, and an emphasis on problem solving and analytical skills. Especially appropriate for majors and minors in physics, chemistry and mathematics. Two one-hour lectures and one two-hour activity session per week.

Coreq: MATH 152. Unreq: PHYSICS 160.

PHYSICS 172 INTRODUCTORY PHYSICS II *GL* 4 u

A course in introductory physics including a mathematically rigorous analysis of mechanics, vibrations and wave motion, and thermodynamics. For majors and minors in physics, chemistry, and mathematics. Three one-hour lectures and one three-hour lab per week.

Prereq: PHYSICS 170. Coreq: MATH 253.

PHYSICS 174 INTRODUCTORY PHYSICS III *GL* 4 u

A course in introductory physics including a mathematically rigorous analysis of electricity and magnetism, light and optics, and modern physics. For majors and minors in physics, chemistry, and mathematics. Three one-hour lectures and one three-hour lab per week.

Prereq: PHYSICS 172. Coreq: MATH 254.

PHYSICS 212 PHYSICS FOR ELEMENTARY TEACHERS 3 u

This course is a one-semester introduction to physics with curriculum and instruction designed as an activity-based hands-on course for K-8 elementary education students and open to all education majors. The course emphasizes a student-oriented pedagogy in order to develop various physics concepts and the nature of science. Topics covered include motion, forces, energy, light, heat, electricity, and magnetism.

Prereq: MATH 141 and restricted to students with BSE program.

PHYSICS 221 INTERMEDIATE LABORATORY 2 u

A laboratory course concentrating on techniques of recording, interpretation of, and reporting experimental data. Extensive use will be made of computers in data processing. Topics covered include data acquisition and the recording of data, error analysis, numerical analysis, graphing techniques, computational tools and report writing. Two two-hour laboratories per week.

Prereq: PHYSICS 174 and PHYSICS 175 or PHYSICS 162 and PHYSICS 163 and COMPSI 171.

PHYSICS 240 PHYSICS OF SOUND AND MUSIC *GM* 3 u

A descriptive course that deals with various properties of sound, the generation of sound by traditional musical instruments and the electronic production and reproduction of sound. The physical process of hearing and the acoustical properties of rooms are also included. Three one-hour lecture periods per week.

PHYSICS 282 ENGINEERING MECHANICS: DYNAMICS 3 u

A study of the action of forces in producing or modifying the motion of rigid bodies. Topics covered include motion, force-mass-acceleration relations, energy, momentum and vibrations. This course is designed for pre-engineering students and will not ordinarily be taken by physics majors or minors. Three one-hour lectures per week.

Prereq: PHYSICS 280, MATH 254 or con reg in MATH 254.

PHYSICS 303/503 MICROPROCESSOR LABORATORY 2 u

Laboratory experience in microprocessor addressing, digital logic circuits, microcomputer input and output techniques, digital to analog and analog to digital interfacing and device control by microcomputers. This course will not satisfy the laboratory work requirements for the physics major; the

credit will count toward the major.

Prereq: Either (a) PHYSICS 175 (or PHYSICS 163) and COMPSCI 171 or (b) concurrent registration in COMPSCI 302/502 or (c) graduate student with computer programming experience or (d) consent of instructor.

PHYSICS 305 MECHANICS - STATICS 3 u

A study of forces on rigid bodies in equilibrium. Topics include force systems, equilibrium, distributed forces, structures, friction, internal forces, centroids and moments of inertia. This course also introduces notations and operations associated with tensor calculus. Three one-hour lectures per week.

Prereq: PHYSICS 170, MATH 253 or con reg in MATH 253.

PHYSICS 310 MECHANICS I 3 u

A study of classical mechanics. Topics to be covered will include vector calculus techniques, dynamics of particles and systems and central force systems. Required of all majors and minors in physics. Three one-hour lectures per week.

Prereq: PHYSICS 174 and PHYSICS 175 or PHYSICS 162 and PHYSICS 163 and MATH 254.

PHYSICS 320 ELECTRICITY AND MAGNETISM I 3 u

A study of static electric and magnetic fields, with an introduction to electrodynamics and Maxwell's equations. Topics include the electric field, electric potential, magnetic field, magnetic vector potential, and fields in linear materials.

Prereq: PHYSICS 174 and PHYSICS 175 or PHYSICS 162 and PHYSICS 163 and MATH 254.

PHYSICS 322 ELECTRICITY AND MAGNETISM II 3 u

A study of electrodynamics. Topics include magnetic induction, Maxwell's equations, electromagnetic waves, and dipole radiation. Three one-hour lectures per week.

Prereq: PHYSICS 320.

PHYSICS 330 ANALOG AND DIGITAL ELECTRONICS 3 u

An introductory course in electronics with emphasis on solid state devices, diode and amplifier circuits, waveform generation, operational amplifiers, digital circuitry and microcomputer applications to physical measurement. Three one-hour lectures per week.

Prereq: PHYSICS 174 and PHYSICS 175 or PHYSICS 162 and PHYSICS 163.

PHYSICS 331 ANALOG AND DIGITAL ELECTRONICS LABORATORY 1 u

A laboratory course in electronics with emphasis on solid state devices, diode and amplifier circuits, waveform generation, analog computer circuitry, digital circuitry. One two-hour laboratory per week.

Prereq: PHYSICS 330 or con reg in PHYSICS 330.

PHYSICS 354 OPTICS 3 u

A study of geometrical and physical optics beginning with a mathematical treatment of light waves and their interaction with materials. Topics also include interference, diffraction, spectroscopy and spectroscopic instruments, polarization, light sources and detectors, lasers, holography, and some topics in modern optics. Three one-hour lectures per week.

Prereq: PHYSICS 174, PHYSICS 175 or PHYSICS 162 and PHYSICS 163 and MATH 254.

PHYSICS 355 OPTICS LABORATORY 1 u

Experimental work in optics with emphasis on dispersion, refraction, absorption, interference, diffraction and polarization. One two-hour laboratory per week.

Coreq: PHYSICS 354.

PHYSICS 364 THERMAL PHYSICS 3 u

A study in thermodynamics and statistical mechanics including the laws of classical thermodynamics, equations of state, thermodynamical processes, and applications to classical and quantum mechanical systems. Three one-hour lectures per week.

Prereq: PHYSICS 174/PHYSICS 175 or PHYSICS 162/PHYSICS 163 and MATH 254.

PHYSICS 410/610 MODERN PHYSICS I 3 u

A study of twentieth century physics. Topics covered include relativity, elementary quantum physics, atomic structure, elementary nuclear physics and fundamental particles. Three one-hour lectures per week.

Prereq: PHYSICS 174/PHYSICS 175 or PHYSICS 162/PHYSICS 163 and MATH 254.

PHYSICS 411/611 MODERN PHYSICS LABORATORY I 1 u

A laboratory course in modern physics. The experiments performed in this course complement the lectures of Modern Physics I. It is recommended that this course be taken concurrently with Modern Physics I. One two-hour laboratory per week.

Prereq: PHYSICS 410 or con reg or cons instr.

PHYSICS 412/612 MODERN PHYSICS II 3 u

A continuation of Modern Physics I. Topics covered include statistical mechanics, atomic and molecular spectra, x-ray spectra, physics of the solid state and nuclear physics. Three one-hour lectures per week.

Prereq: PHYSICS 410.

PHYSICS 413 MODERN PHYSICS LABORATORY II 1 u

A laboratory course in modern physics. The experiments performed in this course complement the lectures of Modern Physics II. It is recommended that this course be taken concurrently with Modern Physics II. One two-hour laboratory per week.

Prereq: PHYSICS 412 or concurrent registration or consent of instructor.

PHYSICS 489 PHYSICS SENIOR SEMINAR 2 u

The course will train students in making scientific presentations, summarize the concepts and methods taught in the physics major curriculum, and prepare them for the Physics Major Field Test as the final exam in the course. Students will become familiar with physics literature and learn to write abstracts and project proposals. They will demonstrate proper methods of verbal and visual presentation by delivering a graded series of talks, concluding with a satisfactory colloquium on a physics topic. Two one-hour sessions a week.

Prereq: Students must possess senior-level standing in the major to receive credit for participation. Students with less than senior standing are encouraged to attend in preparation for full participation when they become seniors.

PHYSICS 490/690 PHYSICS WORKSHOP 1-8 u

Repeatable for a maximum of 3 units in major or minor in physics.

PHYSICS 491/691 TRAVEL STUDY *Repeatable* 1-3 u

PHYSICS 493 PHYSICS COOPERATIVE EDUCATION 1 u

The course gives the student an opportunity to intersperse full time study with full time employment. The student will be interviewed by a potential employer identified by the Physics Department. If accepted as an employee, the student may work from one to four terms. A work term is defined as a semester or a summer of employment. No more than two units may be counted towards the Physics Major. A written report is required.

Prereq: PHYSICS 173 and LSINDP 099 and a declared Physics/Industry major.

PHYSICS 494 PHYSICS SEMINAR *Repeatable* 1 u

Prereq: Senior standing and consent of instructor.

PHYSICS 496/696 SPECIAL STUDIES 1-10 u

Repeatable for a maximum of 3 units in major or minor in physics.

Prereq: Physics major or minor, junior or senior standing and consent of instructor.

PHYSICS 498 INDEPENDENT STUDY 1-3 u

Repeatable for a maximum of 3 units in major or minor in physics. Prereq: Jr or sr st and cons dept chp.

ASTRONOMY**ASTRONOMY 112 INTRODUCTION TO ASTRONOMY** *GL* 5 u

An examination of concepts regarding the organization of the universe. The solar system, astronomical principles and instruments, stellar evolution and galaxies are among topics covered. Activities include field trips, observations of the night sky and of the sun with telescopes, and laboratory work. Four one-hour lectures and one two-hour laboratory/observation period per week. There are two required evening observation sessions during the semester. Coreq: MATH 141 or consent of instructor. Unreq: ASTRONOMY 114.

ASTRONOMY 114 DESCRIPTIVE ASTRONOMY *GM* 3 u

A non-laboratory course that introduces the basic aspects of astronomy, including cultural and historical considerations. The study of galaxies, stars, as well as our solar system is included. Observational activities and field trips may be included as integral parts of the course. Three one-hour lectures per week.

Coreq: MATH 141 or consent of instructor. Unreq: ASTRONOMY 112.

ASTRONOMY 350/550 ASTROPHOTOGRAPHY FOR THE AMATEUR 3 u

This course is designed for people interested in combining astronomy with photography through the media of telescope and camera. Techniques for photographing astronomical objects are presented in an activity-oriented format. Darkroom procedures for processing color slides, black/white and color prints are also included. Does not count toward physics major/minor.

ASTRONOMY 430/630 ASTRONOMY FOR TEACHERS 3 u

An individualized course intended for K-12 teachers with limited astronomy background. Subject matter covered will depend on the needs and interests of the students. Each student does experimental or observational projects which are presented at the end of the course as a paper in a seminar. This course may not count toward physics major or minor.

ASTRONOMY 490/690 ASTRONOMY WORKSHOP 1-5 u

Repeatable. Prereq: Consent of instructor.

ASTRONOMY 496/696 SPECIAL STUDIES *Repeatable* 1-3 u

Prereq: Consent of department

ASTRONOMY 498 INDEPENDENT STUDY *Repeatable* 1-3 u

Prereq: Cons instr.

DEPARTMENT OF POLITICAL SCIENCE

Phone: 262-472-1120

E-Mail: polsci@uwm.edu

Faculty: Paul Adogamhe, Larry Anderson, Charles Cottle, Jolly Emrey, Zohreh Ghavamshahidi, Jane Gottlick, Anne Hamilton, Craig Heatwole, Susan Johnson (Chairperson), John Kozlowniciz, Xia Lollar, Paula Mohan, John Valadez.

Students who major or minor in political science or minor in public administration at UW-Whitewater are offered a comprehensive course of study, emerging from the awareness that governmental policy and policy-making are of paramount importance for the life we lead. The political science program at UW-W concentrates on providing students with a basic understanding of contemporary government, policy-making, and politics. An internship program which provides students a unique opportunity to blend this theory with practice is also available. Internship possibilities include work with a legislator, on the campaign staff of a candidate for public office, a law office, or in a governmental agency. While most students intern in Wisconsin, there is also a program based in Washington, D.C. through the Washington Center to provide students with opportunities

to view the national political process in action. Students should be aware of the intimate relationship between the political process and the world of business. For those interested, a liberal arts political science program combined with a professional minor might prove useful.

Also available is an interdisciplinary major in Public Policy and Administration which provides comprehensive preparation for careers in government and in government-related organizations in the private sector. This major is sponsored jointly with the Department of Management.

MAJORS/EMPHASES

Minimum requirements for transfer students: Major: At least 12 unit hours of work earned for a political science major shall be taken at UW-Whitewater. Determination of areas of political science in which these unit hours shall be taken shall be made by the chair at the time of declaration of the major. Minor: At least 6 unit hours of the work earned for a political science minor shall be taken at UW-Whitewater. Determination of areas of political science in which these unit hours shall be taken shall be made by the chair at the time of declaration of the minor.

Departmental policy requires each major to attend at least three public lectures or programs each academic year.

Internship in Political Science: To provide students with the opportunity for practical field experience in various aspects of political life, the department offers an internship in political science. Credit may be earned while working in campaigns, legislative offices, or in administrative positions at all levels of government. Internship is normally taken in the student's junior or senior year. Consent of the Chair and the faculty member directing the internship is required.

Honors in Political Science: For honors in political science, at the end of the senior year students must have a grade point average of 3.50 in all political science courses including POLISCI 488 and POLISCI 499. They must apply for honors in political science with their adviser and the departmental chairperson in the spring of the junior year. At the time of application they must show a grade-point average of 3.25 or better and at least 21 unit hours in political science either completed or to be completed during the current term.

Career Options: There are several potential options which a person interested in political science may follow. Students may wish to plan their programs with certain career objectives in mind. Among the options recommended are the following:

I. Public Employment Option—Plan A: Major in political science with a minor in public administration—Plan B: Double Major in Political Science & Public Policy & Administration

II. Law Option—Plan A: Major in political science with a minor in a related discipline—Plan B: Major in political science and a minor in Legal Studies

III. International Employment Option—Plan A: Major in political science with an emphasis in comparative and international politics—Plan B: Major in Political Science & minor in International Studies

IV. Government and Business Option—Plan A: Major in political science and a minor in a related discipline—Plan B: Major in political science and an individualized/professional minor. Interested students should check with their adviser or the department for recommended courses for each of these options.

Areas of Political Science. The department curriculum is divided into 5 basic areas. This is intended to provide a sound and balanced acquaintance with political science. Majors and minors are expected to meet the appropriate area requirements.

The areas are:

- I. American Government—courses: POLISCI 315, POLISCI 317, POLISCI 318, POLISCI 319, POLISCI 321, POLISCI 344, POLISCI 357, POLISCI 413, POLISCI 414, POLISCI 415, POLISCI 419, POLISCI 446.
- II. Public Policy & Administration—courses: POLISCI 316, POLISCI 320, POLISCI 330, POLISCI 421, POLISCI 430, POLISCI 440, POLISCI 489.
- III. Comparative Government—courses: POLISCI 340, POLISCI 352, POLISCI 460, POLISCI 461, POLISCI 471, POLISCI 472.
- IV. International Relations—courses: POLISCI 350, POLISCI 351, POLISCI 457, POLISCI 463, POLISCI 464.
- V. Political Theory—courses: POLISCI 365, POLISCI 411, POLISCI 412, POLISCI 420.

POLITICAL SCIENCE (BA/BS)

MAJOR - 33 UNITS

1. POLISCI 141 AND POLISCI 301
2. SELECT 3 UNITS FROM COURSES AREA 1-AMER GOVMT
POLISCI 315, POLISCI 317, POLISCI 318, POLISCI 319,
POLISCI 321, POLISCI 344, POLISCI 346, POLISCI 357,
POLISCI 413, POLISCI 414, POLISCI 415, POLISCI 419
AND POLISCI 446
3. SELECT 3 UNITS FROM COURSES AREA 2-PUB POLICY
& ADMIN
POLISCI 316, POLISCI 320, POLISCI 330, POLISCI 421,
POLISCI 430, POLISCI 440 AND POLISCI 489
4. SELECT 3 UNITS FROM COURSES AREA 3-COMPARA-
TIVE
GOVERNMENT
POLISCI 352, POLISCI 460, POLISCI 461, POLISCI 471 AND
POLISCI 472
5. SELECT 3 UNITS FROM COURSES AREA 4-INTERNATNL
RELATIONS
POLISCI 340, POLISCI 350, POLISCI 351, POLISCI 377,
POLISCI 457, POLISCI 462, AND POLISCI 463
6. SELECT 3 UNITS FROM COURSES AREA 5-POL THEORY
POLISCI 365, POLISCI 411, POLISCI 412 OR POLISCI 420
7. SELECT 6 ELECTIVE 300 OR 400 LEVEL UNITS FROM THE
POLITICAL SCIENCE DEPARTMENT
8. SELECT 6 ELECTIVE UNITS FROM THE POLITICAL SCI-
ENCE DEPARTMENT EXCLUDING GENED 140

AN APPROVED MINOR IS REQUIRED FOR THIS MAJOR

POLITICAL SCIENCE (BSE)

LICENSURE - 43-44 UNITS

1. SECNDED 430 AND SECNDED 466
2. EDFOUND 243 OR EDFOUND 445
3. SELECT 2 UNITS FROM CIFLD 210
4. STUDENT TEACHING
SELECT 2 UNITS FROM CIFLD 402 AND 12 UNITS FROM
CIFLD 414 OR SELECT 2 UNITS FROM CIFLD 404 AND
12 UNITS FROM CIFLD 412
5. SELECT 3 UNITS FROM COURSE CIFLD 492
6. GEOGRPY 252 (GS) OR BIOLOGY 214 (GM) RLS
7. ECON 213 OR ECON 324 RLS

8. EDFOUND 212 AND EDFOUND 425
9. SPECED 205

MAJOR - 34 UNITS

1. POLISCI 141 AND POLISCI 301
2. SELECT 3 UNITS FROM COURSES AREA 1-AMER GOVMT
POLISCI 315, POLISCI 317, POLISCI 318, POLISCI 319,
POLISCI 321, POLISCI 344, POLISCI 346, POLISCI 357,
POLISCI 413, POLISCI 414, POLISCI 415, POLISCI 419 AND
POLISCI 446
3. SELECT 3 UNITS FROM COURSES AREA 2-PUB POLICY
& ADMIN
POLISCI 316, POLISCI 320, POLISCI 330, POLISCI 421,
POLISCI 430, POLISCI 440 AND POLISCI 489
4. SELECT 3 UNITS FROM COURSES AREA 3-COMPARA-
TIVE
GOVERNMENT
POLISCI 352, POLISCI 460, POLISCI 461, POLISCI 471 AND
POLISCI 472
5. SELECT 3 UNITS FROM COURSES AREA 4-INTERNATNL
RELATIONS
POLISCI 340, POLISCI 350, POLISCI 351, POLISCI 377, AND
POLISCI 457
6. SELECT 3 UNITS FROM COURSES AREA 5-POL THEORY
POLISCI 365, POLISCI 411, POLISCI 412 AND POLISCI
420
7. SELECT 13 ELECTIVE UNITS FROM THE POLITICAL SCI-
ENCE DEPARTMENT EXCLUDING GENED 140

AN APPROVED MINOR IS REQUIRED FOR THIS MAJOR

SOCIAL STUDIES-BROADFIELD POLITICAL SCIENCE I EMPHASIS (BSE)

LICENSURE - 42 UNITS

1. SECNDED 466
2. EDFOUND 243 OR EDFOUND 445
3. CIFLD 210
4. STUDENT TEACHING
SELECT 2 UNITS FROM CIFLD 402 AND 12 UNITS FROM
CIFLD 414 OR SELECT 2 UNITS FROM CIFLD 404 AND
12 UNITS FROM CIFLD 412
5. SECNDED 430
6. GEOGRPY 252 (GS) OR BIOLOGY 214 (GM) RLS
7. ECON 213 OR ECON 324 RLS
8. EDFOUND 212 AND EDFOUND 425
9. SELECT 3 UNITS FROM COURSE CIFLD 492
10. SPECED 205

MAJOR - 54 UNITS

1. POLISCI 141 AND POLISCI 301
2. SELECT 3 UNITS FROM COURSES AREA 1-AMER GOVMT
POLISCI 315, POLISCI 317, POLISCI 318, POLISCI 319,
POLISCI 321, POLISCI 344, POLISCI 357, POLISCI 413,
POLISCI 414, POLISCI 415, POLISCI 419 AND POLISCI
446
3. SELECT 3 UNITS FROM COURSES AREA 2-PUB POLICY
& ADMIN
POLISCI 316, POLISCI 320, POLISCI 330, POLISCI 421,
POLISCI 430, POLISCI 440 AND POLISCI 489
4. SELECT 3 UNITS FROM COURSES AREA 3-COMPARA-
TIVE
GOVERNMENT

POLISCI 352, POLISCI 460, POLISCI 461, POLISCI 471 AND
POLISCI 472

455

5. SELECT 3 UNITS FROM COURSES AREA 4-INTERNATNL
RELATIONS
POLISCI 340, POLISCI 350, POLISCI 351, POLISCI 457,
POLISCI 462 AND POLISCI 463
6. SELECT 3 UNITS FROM COURSES AREA 5-POL THEORY
POLISCI 365, POLISCI 411, POLISCI 412 OR POLISCI 420
7. SELECT 13 ELECTIVE UNITS FROM THE POLITICAL SCI-
ENCE DEPARTMENT EXCLUDING GENED 140
8. SELECT 20 UNITS FROM AT LEAST 2 DEPARTMENTS:
ANTHROPOLOGY, ECONOMICS, GEOGRAPHY, HIS-
TORY, PSYCHOLOGY AND SOCIOLOGY

POLITICAL SCIENCE

MINOR - 21 UNITS

1. POLISCI 141
2. SELECT 1 COURSE FROM EACH OF 3 GROUPS BELOW:
GROUP 1: POLISCI 315, POLISCI 317, POLISCI 318, POLISCI
319, POLISCI 321, POLISCI 344, POLISCI 346, POLISCI 357,
POLISCI 413, POLISCI 414, POLISCI 415, POLISCI 419,
POLISCI 446
GROUP 2: POLISCI 316, POLISCI 320, POLISCI 330, POLISCI
421, POLISCI 430, POLISCI 440, POLISCI 489
GROUP 3: POLISCI 352, POLISCI 380, POLISCI 460, POLISCI
461, POLISCI 471, POLISCI 472
GROUP 4: POLISCI 340, POLISCI 350, POLISCI 351, POLISCI
377, POLISCI 457, POLISCI 463
GROUP 5: POLISCI 365, POLISCI 411, POLISCI 412, POLISCI
420
3. SELECT 9 ELECTIVE POLITICAL SCIENCE UNITS
EXCEPT GENED 140

SOCIAL STUDIES-BROADFIELD POLITICAL SCIENCE II EMPHASIS (BSE)

LICENSURE - 42 UNITS

1. SECNDED 466
2. EDFOUND 243 OR EDFOUND 445
3. CIFLD 210
4. STUDENT TEACHING
SELECT 2 UNITS FROM CIFLD 402 AND 12 UNITS FROM
CIFLD 414 OR SELECT 2 UNITS FROM CIFLD 404 AND
12 UNITS FROM CIFLD 412
5. SECNDED 430
6. GEOGRPY 252 (GS) OR BIOLOGY 214 (GM) RLS
7. ECON 213 OR ECON 324 RLS
8. EDFOUND 212 AND EDFOUND 425
9. SELECT 3 UNITS FROM COURSE CIFLD 492
10. SPECED 205

POLITICAL SCIENCE EDUCATION EMPHASIS

MINOR - 22 UNITS

1. POLISCI 141
2. SELECT 1 COURSE FROM EACH OF 3 GROUPS BELOW:
GROUP 1: POLISCI 315, POLISCI 317, POLISCI 318, POLISCI
319, POLISCI 321, POLISCI 344, POLISCI 346, POLISCI 357,
POLISCI 413, POLISCI 414, POLISCI 415, POLISCI 419,
POLISCI 446
GROUP 2: POLISCI 316, POLISCI 320, POLISCI 330, POLISCI
421, POLISCI 430, POLISCI 440, POLISCI 489
GROUP 3: POLISCI 352, POLISCI 460, POLISCI 461, AND
POLISCI 471
GROUP 4: POLISCI 340, POLISCI 350, POLISCI 351, POLISCI
377 AND POLISCI 457
GROUP 5: POLISCI 365, POLISCI 411, POLISCI 412, POLISCI
420
3. SELECT 10 ELECTIVE UNITS FROM THE POLITICAL
SCIENCE DEPARTMENT EXCLUDING GENED 140

MAJOR - 54 UNITS

1. POLISCI 141
2. SELECT 1 COURSE FROM EACH OF 3 GROUPS BELOW:
GROUP 1: POLISCI 315, POLISCI 317, POLISCI 318, POLISCI
319, POLISCI 321, POLISCI 344, POLISCI 357, POLISCI 413,
POLISCI 414, POLISCI 415, POLISCI 419, POLISCI 446
GROUP 2: POLISCI 316, POLISCI 320, POLISCI 330, POLISCI
421, POLISCI 430, POLISCI 440, POLISCI 489
GROUP 3: POLISCI 352, POLISCI 460, POLISCI 461, POLISCI
471, POLISCI 472
GROUP 4: POLISCI 340, POLISCI 350, POLISCI 351, POLISCI
457, POLISCI 462
GROUP 5: POLISCI 365, POLISCI 411, POLISCI 412, POLISCI
420
3. SELECT 10 ELECTIVE UNITS FROM THE POLITICAL SCI-
ENCE DEPARTMENT EXCLUDING GENED 140
4. SELECT 32 UNITS FROM AT LEAST 3 DEPARTMENTS: AN-
THROPOLOGY, ECONOMICS, GEOGRAPHY, HISTORY,
PSYCHOLOGY AND SOCIOLOGY

PUBLIC ADMINISTRATION

The purpose of this program is to provide students interested in public service the possibility to do undergraduate study in the field as preparation for possible careers in government. The program is composed of courses offered in several departments to give direction and emphasis in the area of Public Administration.

MINOR - 22 UNITS

1. POLISCI 141, POLISCI 320, POLISCI 489 AND MANGEMNT
211
2. SELECT 10 UNITS FROM COURSES
POLISCI 330, POLISCI 356, POLISCI 421, POLISCI 430,
POLISCI 440, POLISCI 446, ACCOUNT 244, ECON 356,
FNBSLW 348, MARKETNG 436, SOCIOLGY 250, SOCI-
OLGY 352 OR A COURSE APPROVED BY THE
CHAIRPERSON OF THE POLITICAL SCIENCE DEPT

Social Studies minor in elementary education curriculum: See L&S
Interdepartmental section.

PROGRAM OF PUBLIC POLICY AND

MINORS/EMPHASES

LEGAL STUDIES

MINOR - 25 UNITS

1. POLISCI 360, POLISCI 493, POLISCI 498 OR FNBSLW 498,
POLISCI 419, FNBSLW 341
2. SELECT 2 COURSES FROM:
POLISCI 413, POLISCI 414, POLISCI 415
3. SELECT 2 COURSES FROM:
FNBSLW 342, FNBSLW 348, FNBSLW 442, FNBSLW 443, FNBSLW

ADMINISTRATION

Susan Johnson

Coordinator

The University offers an opportunity for students to earn a Bachelor of Science degree with a major in Public Policy and Administration. The major is designed to prepare students for careers in local, state, or national governments, and in businesses and other organizations in the private sector which work closely with government. The major is sponsored jointly by the Political Science Department in the College of Letters and Sciences and the Management Department in the College of Business and Economics. The courses in the major are offered by these two departments and by several other departments in the two Colleges, providing broad interdisciplinary preparation for the student.

MAJOR**PUBLIC POLICY AND ADMINISTRATION (BS)**

MAJOR - 60 UNITS

1. ACCOUNT 244, ECON 202, POLISCI 141, PSYCH 211
2. MATH 231 OR PSYCH 215
3. MANGEMNT 301, MANGEMNT 480, POLISCI 344, POLISCI 320 AND POLISCI 330
4. POLISCI 489
5. SELECT 3 - 9 UNITS FROM COURSE POLISCI 493 IN CONSULTATION WITH ADVISER.
A 2.25 COMBINED UW-W & TRANSFER GPA IS REQUIRED TO TAKE THE COURSE.
6. IN CONSULTATION WITH ADVISER SELECT 0-6 UNITS OF ELECTIVES IN LIBERAL ARTS OR BUSINESS COURSES
7. IN CONSULTATION WITH AN ADVISER SELECT A 15 UNIT CONCENTRATION FROM PUBLIC POLICY, GENERAL MANAGEMENT, PERSONNEL, POLICE AND CRIMINAL JUSTICE ADMINISTRATION, PLANNING AND BUDGET ADMINISTRATION, URBAN AFFAIRS, AND LEGAL AFFAIRS; OR AN INDIVIDUALIZED PLAN.

WRITING REQUIREMENT - 3 UNITS

1. SELECT 1 COURSE FROM ITBE 353, ENGLISH 370, OR ENGLISH 372

*General Studies Recommendations: POLISCI 141 American Government and Politics, ECON 211 Economic Principles, MATH 143 Finite Math for Business and Social Sciences or MATH 152 Elementary Functions.

Overall G.P.A. of 2.25 or higher is required to take POLISCI 493 and to graduate. No more than 3 Economics and 10 Business courses may be taken. Courses applied toward General Studies cannot be used for major or liberal arts requirements. A minor is not required.

CERTIFICATE**PARALEGAL CERTIFICATE**

Susan Johnson (Coordinator)

CERTIFICATE - 19 UNITS

1. POLISCI 360, POLISCI 493, POLISCI 498 OR FNBSLW 498
2. SELECT 2 COURSES FROM POLISCI 413, POLISCI 414, POLISCI 415, POLISCI 419
3. SELECT 2 COURSES FROM FNBSLW 341, FNBSLW 342, FNBSLW 348, FNBSLW 442, FNBSLW

443, FNBSLW 455

COURSE DESCRIPTIONS**POLISCI 141 AMERICAN GOVERNMENT AND POLITICS GS 3 u**

An introductory course covering the history, structure and functioning of American national government and its relation to state and local government.

POLISCI 217 ETHNIC POLITICS GS/Diversity 3 u

The central concern of this course is to provide the student an awareness of the political development of racial and ethnic minorities in today's political arena. It will compare and contrast the development of the white ethnic communities of the 19th and 20th centuries with our modern day racial and ethnic minorities. (Offered jointly with race & ethnic cultures). Unreq: RACEETH 217

POLISCI 247 ISSUES AND CRISES IN AMERICAN POLITICS GS 3 u

An examination of selected major issues and crises confronting the American political system today. Both domestic and foreign policy issues are analyzed. Attention also will be given the political response to these issues and crises as reflected in recent policies and policy proposals of the national government. Repeatable one time (different topic) for a maximum of 6 units in major/degree, but not repeatable for general studies credit.

POLISCI 250 INTRODUCTION TO POLITICAL THEORY GS 3 u

An introduction to Western political thought, the role of ideology in politics, and perennial questions in political philosophy.

POLISCI 255 INTRODUCTION TO COMPARATIVE POLITICS GS 3 u

This course compares the political systems of five or six countries, reflecting the range of political institutions and political behavior around the world. Students will learn to develop explanations for similarities and differences in the political life of countries around the world, e.g. why are some countries democratic and others authoritarian?

GENERAL STUDIES/PREREQUISITES

The above courses are offered by the department as its contribution to General Studies. Unless otherwise indicated, any of the above will satisfy the prerequisite for the following advanced courses in political science.

POLISCI 301/501 POLITICAL SCIENCE RESEARCH METHODS 3 u

An introduction to basic research methods in political science. Topics will include various data collection and analysis techniques on the U.S. Presidency, the U.S. Congress, the U.S. Supreme Court, political socialization, political parties, interest groups, civil violence, rebellion, and revolution. Students will obtain "hands-on" experience with computer software designed specifically for political science and the social sciences. This is not a statistics course, and no previous knowledge of statistical methods is assumed. Prereq: Three units of political science.

POLISCI 315/515 WOMEN AND AMERICAN POLITICS (AREA I COURSE) 3 u

This course is designed to acquaint the student with the roles of women in political life. Topics include effective civic participation, women's issues and the women's movement.

Prereq: Three units of political science

POLISCI 316/516 POLICE AND CRIMINAL JUSTICE ADMINISTRATION (AREA II COURSE) 3 u

This course examines the administrative process within the criminal justice setting. Both administrative theories and principles as well as applications to the criminal justice system will be covered.

Prereq: Three units of political science.

POLISCI 317/517 THE AMERICAN LEGISLATIVE PROCESS (AREA I COURSE) 3 u

The study of the organization and functioning of the legislative bodies, with particular attention to Congress: functions, membership, committee system, executive-legislative relations, pressure groups, lobbying, movement for reform.

Prereq: Three units of political science.

POLISCI 318/518 THE AMERICAN PRESIDENCY (AREA I COURSE) 3 u

Analysis and discussion of the various roles of the President regarding his constitutional status and powers, nomination and election, administrative responsibilities, legislative and political leadership, and his role in the conduct of foreign relations.

Prereq: Three units of political science.

POLISCI 319/519 AMERICAN POLITICAL PARTIES AND ELECTIONS (AREA I COURSE) 3 u

This course will examine the development, organization, and functions of political parties and elections in the American political system. Topics include the nature and function of political parties, nominations and elections, political campaigns and campaign finance, voting behavior and party realignment issues, and the role of the party in government policy-making. Graduate students will be required to complete an additional paper.

Prereq: Three units of political science.

POLISCI 320/520 PUBLIC POLICY AND ADMINISTRATION (AREA II COURSE) 3 u

A course to introduce students to the concepts and problems of public policy and administration. Emphasis will be given to the role played by individuals and groups in large organizations; theories of organization will be set forth and operations of governmental administrative agencies in the political world will be examined.

Prereq: Three units of political science.

POLISCI 321 AMERICAN INTEREST GROUP POLITICS 3 u

This course will examine the interest group system in the United States by examining the history, roles, strategies, successes, and failures of interest groups in the American political system.

Prereq: 3 units in political science

POLISCI 330/530 PUBLIC POLICY ANALYSIS (AREA II COURSE) 3 u

A systematic introduction to the study of public policy issues through a public policy/issue analysis and problem solving approach. It will also examine and explore other analytical models and approaches in the study of public problems and policy issues.

Prereq: Three units of political science.

POLISCI 340/540 POLITICS OF DEVELOPMENT (AREA III COURSE) 3 u

This course focuses on the comparative analysis and contending interpretations of development in the developing countries. Emphasis will be given to the role of the state intervention and the coalitional politics of dominant class factions in capital accumulation and allocation of surplus for development. The analysis also includes the influence of international economic system as exercised through direct foreign investment and commercial lending institutions. Special attention will also be paid to the impact of militarism on the Third World countries and the problems of environment and sustainable development.

Prereq: Any introductory Political Science course.

POLISCI 344/544 STATE AND LOCAL GOVERNMENT (AREA I COURSE) 3 u

A study of modern American state and local governments, their evolution from colonial beginnings, their problems and their potential. Topics include constitutional revision, the role of governors, legislatures and courts, forms of urban and rural government, and state-local relations.

Prereq: Three units of political science.

POLISCI 350 INTERNATIONAL LAW (AREA IV COURSE) 3 u

A study of international law, its sources, development and content. Selected readings on theory, and form decisions and opinions of the Permanent Court of International Justice and the International Court of Justice.

Prereq: Three units of political science.

POLISCI 351 INTERNATIONAL RELATIONS (AREA IV COURSE) 3 u

An introductory survey of political relations among nation-states, including the topics of war and peace, nationalism, elements of national power, conventional and nuclear weaponry, diplomacy, economic interdependence, the Third World, and international and regional organizations.

Prereq: Three units of political science.

POLISCI 352 COMPARATIVE GOVERNMENT-EUROPE (AREA III COURSE) 3 u

Comparative analysis of politics in contemporary Europe. Topics covered include the political institutions and political cultures of major states in Europe, nationalism and regionalism in Europe, and the institutions of the European Union.

Prereq: Three units of political science.

POLISCI 356 POLITICAL SOCIOLOGY 3 u

An analysis of the impact of social cleavages and cohesion on the operation of political institutions; the composition and behavior of power elites; the social base of political power; the social functions of electoral behavior.

Prereq: Three units of political science. Unreq: SOCIOLOGY 356.

POLISCI 357/557 PUBLIC OPINION AND POLITICAL BEHAVIOR (AREA I COURSE) 3 u

An examination of public opinion in the United States as it concerns political and social behavior. Major topics are the acquisition of beliefs, leadership and opinion formation, voting behavior, and propaganda.

Prereq: Three units of political science.

POLISCI 360/560 RESOURCES FOR LEGAL RESEARCH 1 u

A course to acquaint students with the major resource materials for the study of law and the legal process with an emphasis on library assignments utilizing the various resources of the UW-Whitewater legal collection.

Prereq: Three units of political science.

POLISCI 365 BLACK POLITICAL AND SOCIAL THOUGHT (AREA V COURSE) 3 u

This course will utilize a Pan-African approach to provide an organized and systematic pattern of social and political ideologies/thought put forth by Black publicists and theorists concerning the organization of their society. As such, it will survey the principal personalities and major protest movements that have emerged in the Diaspora African Community, as well as pay special attention to selected African ideologies and personalities involved in shaping Black political and social thought.

Prereq: AFRIAMR 100 or POLISCI 141 or 610/POLISCI 217 or POLISCI 250.

POLISCI 411/611 MODERN POLITICAL THOUGHT (AREA V COURSE) 3 u

An introduction to the principal political concepts and ideas of the modern period, including the writings of Machiavelli, Luther, Calvin, Locke, Hobbes, Rousseau, Hegel, Burke and others.

Prereq: Three units of political science

- POLISCI 412/612 CONTEMPORARY POLITICAL THOUGHT (AREA V COURSE)** 3 u
A study in depth of certain selected topics of contemporary importance, such as the resolution of power conflicts, the theory and practice of nonviolence, and the existentialist dilemma.
Prereq: Three units of political science.
- POLISCI 413/613 CONSTITUTIONAL LAW (AREA I COURSE)** 3 u
A study of judicial review, its meaning and nature. The development of constitutional relationships between the national government and the states as well as among the branches of the national government is considered.
Prereq: Three units of political science.
- POLISCI 414/614 THE CONSTITUTION AND CIVIL LIBERTIES (AREA I COURSE)** 3 u
A course focusing on the constitutional development of equal protection and of the rights and freedoms of individuals and the limitations upon the powers of government, both state and national.
Prereq: Three units of political science.
- POLISCI 415/615 CRIMINAL JUSTICE AND THE CONSTITUTION (AREA I COURSE)** 3 u
This course examines the role of the major participants in the criminal justice system—defendants, police, prosecutions, courts, and corrections—and the development of constitutional law regulating their behavior.
Prereq: Three units of political science.
- POLISCI 419/619 THE JUDICIAL PROCESS (AREA I COURSE)** 3 u
A study of the American judicial system as a part of the larger framework of the political, social and economic systems of the nation. Emphasis will be on topics such as the judicial role, judicial organization and jurisdiction, judicial power, and the decisional process rather than legal cases.
Prereq: Three units of political science.
- POLISCI 420/620 AMERICAN POLITICAL THOUGHT (AREA V COURSE)** 3 u
A study of the fundamental political ideas of America and the political philosophers who espoused them from colonial times to the present.
Prereq: Three units of political science.
- POLISCI 421/621 PUBLIC PERSONNEL ADMINISTRATION (AREA II COURSE)** 3 u
A critical study of problems of public personnel, with particular emphasis on the process of recruiting and managing people in the public services.
Prereq: Three units of political science.
- POLISCI 430/630 FORMATION OF PUBLIC POLICY (AREA II COURSE)** 3 u
This course will examine the major public policy problems facing the United States today and the political processes seeking to resolve these problems. Special emphasis to be given to governmental cooperation in seeking to resolve these problems. An additional research paper will be required for the graduate students.
Prereq: Three units of political science.
- POLISCI 440/640 THE POLITICS OF GOVERNMENT BUDGETING (AREA II COURSE)** 3 u
A course designed to introduce the students to the study of criteria for what services or functions should be undertaken by government and in what amounts; analyzing the effects that government spending and taxes have on the behavior of the private sector of the economy and on the political system, and evaluating the problems and solutions for allocating tax burden equitably among different groups in the society.
Prereq: Three units of political science.
- POLISCI 446/646 POLITICS OF THE METROPOLIS (AREA I COURSE)** 3 u
A treatment of social, economic and political forms, structures, processes and behavior in metropolitan communities. Ideas concerning the power structure and decision-making process, the role of the citizen, and the complex whole of metropolitan life will be discussed.
Prereq: Three units of political science.
- POLISCI 457/657 AMERICAN FOREIGN POLICY (AREA IV COURSE)** 3 u
An analysis of the forces and institutions involved in the establishment of American foreign policies. Emphasis is placed on the effect of the growth of American power and responsibility upon the development of foreign policies.
Prereq: Three units of political science.
- POLISCI 460/660 GOVERNMENT AND POLITICS OF ASIA (AREA III COURSE)** 3 u
A comparative study of the political structures, institutions, and processes of the nations of Asia.
Prereq: Three units of political science.
- POLISCI 461/661 GOVERNMENT AND POLITICS OF AFRICA (AREA III COURSE)** 3 u
The course will critically analyze the political events, major problems, processes and trends in Sub-Saharan African politics and society. It will also attempt to examine the prospects for economic development and democracy in contemporary Africa. Some African countries will be selected for special attention.
Prereq: Three units of political science. Unreq: AFRIAMR 461/661.
- POLISCI 462/662 SOCIAL WELFARE POLICY** 3 u
Provides students with the analysis and critical understanding of the policy issues surrounding historical and current social welfare programs, of new social welfare issues and of policy decisions that lead to changes in programming. Community organization, as an intervention approach, will be explored.
Prereq: Three units of political science. Unreq: SOCWORK 462/662.
- POLISCI 463/663 PEACE STUDIES: CONFLICT RESOLUTION AND CRISES MANAGEMENT (AREA IV COURSE)** 3 u
The course will critically analyze the political events, major problems, processes and trends in international and regional conflicts. It will examine the prospect for peaceful negotiation among states and international organizations to solve international crises.
Prereq: Three units of political science.
- POLISCI 464/664 WOMEN IN INTERNATIONAL RELATIONS** 3 u
This course is designed to provide students with the opportunity to study and analyze international relations from a multi-disciplinary perspective. It will examine current understandings of the causes, processes and structures of international relations, violent conflict, as well as resolution of those conflicts and peace within the context of Feminist theories. The goal is to examine the role of women in international relations, international security, conflict and peace through different approaches to the study of conflict and how it is understood. The course will consider both the strength and limitations of various disciplinary approaches.
The traditional approaches to international relations, international security, international conflict and peace reflect viewpoints consistent with masculine perspectives on power and security. The goal is to consider how the limitations of the approaches can be effectively challenged and what alternatives might be offered. Themes for discussion will include gender, race, ethnicity, nationalism, state, community, conflict and peace.
Prereq: Three units of political science or three units of women's studies.

POLISCI 471/671 GOVERNMENT AND POLITICS IN THE MIDDLE EAST (AREA III COURSE) 3 u

An intense investigation of the social, economic, and political conditions of Islamic, Arab and non-Arab countries of the Middle East. Topics include basic tenets of Islam: political culture, formation of nation states, political systems (monarchies and republics), consequences of political development and modernization, and the role of the Middle East in international politics.

Prereq: Three units of political science.

POLISCI 472 GOVERNMENT AND POLITICS IN CHINA (AREA III COURSE) 3 u

This course exposes students to the breadth of Chinese government and politics. It briefly overviews the traditional Chinese system, its breakdown, and the rise of communism. It also overviews a more detailed treatment of the characteristics and major events of the communist era.

Prereq: Three units of political science.

POLISCI 489/689 SEMINAR IN PUBLIC ADMINISTRATION (AREA II COURSE) 3 u

A study of the complex aspects of administrative organization, behavior and decision-making in the area of public policy through the examination of a variety of pertinent cases.

Prereq: POLISCI 320 or consent of instructor.

SPECIAL COURSES

Courses in this section can be counted in the area which was given emphasis during the semester the course was taken.

POLISCI 490/690 WORKSHOP 1-6 u

Repeatable for a maximum of 6 units in major/degree. Prereq: Three units of political science.

POLISCI 491/691 TRAVEL STUDY *Repeatable* 1-3 u

POLISCI 493 INTERNSHIP IN POLITICAL SCIENCE 1-12 u
Study and work with a government unit or in some area of public affairs under the direction of a faculty supervisor. Students will have the opportunity to combine academic learning with practical experience in government and politics.

Repeatable for a maximum of 12 units in major/degree. Prereq: Three units of political science or consent of department chairperson.

POLISCI 496/696 SPECIAL STUDIES 1-3 u

Repeatable for a maximum of 6 units in major/degree. Prereq: Three units of political science.

POLISCI 497 EXCHANGE STUDY *Repeatable* 1-12 u**POLISCI 498 INDEPENDENT STUDIES 1-3 u**

Repeatable in major/degree. Prereq: Consent of staff member and chairperson.

POLISCI 499 SENIOR HONORS THESIS 3 u

Individual research for majors writing thesis for honors degree; emphasis upon depth, scope and individual research on approved topics under the supervision of a member of the faculty.

Prereq: Grade point average of 3.25 and 21 credit hours in political science.

Faculty: Deborah Aks, Barbara Beaver (Chairperson), Gregory Cook, Joan Cook, Douglas Eamon, James Larson, Carolyn Morgan, Cynthia Mullis, Cliff O'Beirne, P. B. Poorman, Meg Waraczynski.

Psychology is a science which searches for answers to myriad questions about behavior and thinking. Psychology is also a profession which is committed to helping people. Psychology is composed of several areas of specialization. Psychology majors study such psychological topics as the relationship between physiology and behavior, how people learn and perceive information, and factors that influence social, emotional and cognitive development in both adaptive and maladaptive directions.

A psychology major can help prepare students for a variety of goals, including preparation for graduate study in psychology or related fields, development of skills for paraprofessional employment, preparation for teaching high school level psychology or social studies, or preparation for employment in a business or industry seeking graduates with a broad education, flexible outlook, and ability to attack problems systematically.

MAJOR/EMPHASES**PSYCHOLOGY (BA/BS)****MAJOR - 35 UNITS**

1. PSYCH 211
2. PSYCH 215
3. PSYCH 216
4. CHOOSE 1 COURSE FROM EACH OF 2 GRP BELOW:
GRP 1: PSYCH 301
GRP 2: PSYCH 303, PSYCH 351 OR PSYCH 424
GRP 3: PSYCH 305
5. CHOOSE 1 COURSE FROM EACH OF 2 GRP BELOW:
GRP 1: PSYCH 304
GRP 2: PSYCH 331 or PSYCH 332
GRP 3: PSYCH 345
GRP 4: PSYCH 355
6. SELECT SUFFICIENT UNITS OF PSYCHOLOGY ELECTIVES TO BRING TOTAL UNITS IN PSYCHOLOGY TO 35 (ELECTIVES MAY INCLUDE ANY UNUSED COURSES LISTED ABOVE)

MAJOR - WRITING & MATH - 5 UNITS

1. PSYCH 216 RLS

AN APPROVED MINOR IS REQUIRED FOR THIS MAJOR

PSYCHOLOGY (BSE)**LICENSURE - 37 UNITS**

1. SECNDED 466
2. EDFOUND 243 OR EDFOUND 445
3. EDFNDPRC 210
4. STUDENT TEACHING
SELECT 2 UNITS FROM CIFLD 402 AND 12 UNITS FROM CIFLD 414 OR SELECT 2 UNITS FROM CIFLD 404 AND 12 UNITS FROM CIFLD 412
5. SECNDED 430
6. EDFOUND 212 AND EDFOUND 425
7. SELECT 3 UNITS FROM COURSE CIFLD 492
8. SPECED 205

UNIQUE REQUIREMENTS

1. PSYCH 216 RLS

DEPARTMENT OF PSYCHOLOGY

Phone: 262-472-1026 E-Mail: psychology@uwm.edu

234 PSYCHOLOGY**LETTERS AND SCIENCES**

MAJOR - 35 UNITS

1. PSYCH 211 AND PSYCH 215
2. PSYCH 216
3. PSYCH 301, PSYCH 303, PSYCH 304, PSYCH 331, PSYCH 345 AND PSYCH 355
4. PSYCH 305 OR PSYCH 351
5. SELECT 3 ELECTIVE PSYCHOLOGY UNITS

AN APPROVED MINOR IS REQUIRED FOR THIS MAJOR

SOCIAL STUDIES-BROADFIELD PSYCHOLOGY I EMPHASIS (BSE)

LICENSURE - 42-43 UNITS

1. SECNDED 466
2. EDFOUND 243 OR EDFOUND 445
3. EDFNDPRC 210
4. STUDENT TEACHING
SELECT 2 UNITS FROM CIFLD 402 AND 12 UNITS FROM CIFLD 414 OR SELECT 2 UNITS FROM CIFLD 404 AND 12 UNITS FROM CIFLD 412
5. SECNDED 430
6. GEOGRPY 252 (GS) OR BIOLOGY 214 (GM) RLS
7. ECON 213 OR ECON 324 RLS
8. EDFOUND 212 AND EDFOUND 425
9. SPECED 205

MAJOR - 55 UNITS

1. PSYCH 211 AND PSYCH 215
2. PSYCH 216
3. PSYCH 301, PSYCH 303, PSYCH 304, PSYCH 331, PSYCH 345 AND PSYCH 355
4. PSYCH 305 OR PSYCH 351
5. SELECT 3 ELECTIVE PSYCHOLOGY UNITS
6. SELECT 20 UNITS FROM DEPTS OF ANTHROPOLOGY, ECONOMICS, GEOGRAPHY, HISTORY, POLITICAL SCIENCE AND SOCIOLOGY EXCLUDING CORE COURSES

UNIQUE AND WRITING REQUIREMENTS

1. PSYCH 216 RLS

SOCIAL STUDIES-BROADFIELD PSYCHOLOGY II EMPHASIS (BSE)

LICENSURE - 42-43 UNITS

1. SECNDED 466
2. EDFOUND 243 OR EDFOUND 445
3. EDFNDPRC 210
4. STUDENT TEACHING
SELECT 2 UNITS FROM CIFLD 402 AND 12 UNITS FROM CIFLD 414 OR SELECT 2 UNITS FROM CIFLD 404 AND 12 UNITS FROM CIFLD 412
5. SECNDED 430
6. GEOGRPY 252 (GS) OR BIOLOGY 214 (GM) RLS
7. ECON 213 OR ECON 324 RLS
8. EDFOUND 212 AND EDFOUND 425
9. SELECT 3 UNITS FROM COURSE CIFLD 492
10. SPECED 205

MAJOR - 55 UNITS

1. PSYCH 211 AND PSYCH 215
2. PSYCH 216

3. PSYCH 301 OR PSYCH 305
4. PSYCH 303 OR PSYCH 351
5. PSYCH 304 OR PSYCH 345
6. PSYCH 331 OR PSYCH 355
7. SELECT 32 UNITS FROM DEPTS OF ANTHROPOLOGY, ECONOMICS, GEOGRAPHY, HISTORY, POLITICAL SCIENCE AND SOCIOLOGY EXCLUDING CORE COURSES. THREE DEPTS REQUIRED.

MAJOR - WRITING & MATH - 5 UNITS

1. PSYCH 216 RLS

MINOR**PSYCHOLOGY**

MINOR - 24 UNITS

1. PSYCH 211
2. PSYCH 215
3. SELECT 1 COURSE
PSYCH 301, PSYCH 303 OR PSYCH 305
4. SELECT 1 COURSE
PSYCH 304, PSYCH 331, PSYCH 332, PSYCH 345 OR PSYCH 355
5. SELECT 12 ELECTIVE PSYCHOLOGY UNITS TO BRING THE TOTAL TO 24 UNITS

PSYCHOLOGY FOR BUSINESS MAJORS

MINOR - 21 UNITS

1. PSYCH 211
2. SELECT 1 COURSE FROM
PSYCH 301, PSYCH 303, PSYCH 305, PSYCH 351 OR PSYCH 424
3. SELECT 1 COURSE FROM
PSYCH 304, PSYCH 331, PSYCH 332, PSYCH 345 OR PSYCH 355
4. SELECT 12 UNITS OF ELECTIVES IN PSYCHOLOGY FROM THE PSYCHOLOGY DEPARTMENT

PSYCHOLOGY FOR SECONDARY EDUCATION MAJORS

MINOR - 23 UNITS

1. PSYCH 211
2. PSYCH 216
3. PSYCH 215, PSYCH 332, PSYCH 345 AND PSYCH 355
4. SELECT 1 COURSE FROM
PSYCH 301, PSYCH 303, PSYCH 305, PSYCH 351, PSYCH 424

Social Studies minor in elementary education curriculum: See L&S Interdepartmental section.

COURSE DESCRIPTIONS**PSYCH 104 PSYCHOLOGY OF HUMAN ADJUSTMENT GS 3 u**

Focuses on the processes of decision-making, conflict resolution, and value judgments. Emphasis will be on understanding practical methods for handling interpersonal relationships. Effective use of coping devices for college students and others will be studied. Enhancing the psychological resources for personal change and growth will be stressed.

PSYCH 202 PSYCHOLOGY OF WOMEN GS 3 u
Inquiry into the psychology of women with an emphasis on theory and research. Study of gender differences in behavior and personality from intrapsychic and sociocultural viewpoint. Personality development and life stages of women.

PSYCH 211 INTRODUCTORY PSYCHOLOGY GS 3 u
A survey of contemporary psychology covering human development, intelligence, abilities, sensation, perception, motivation, emotion, learning, personality structure, disordered behavior, social psychology, and the physiological bases of behavior. Includes an overview of current theory, research methods, and controversial issues in the field.

PSYCH 215 BASIC STATISTICAL METHODS 3 u
An introduction to descriptive and inferential statistics. Topics include preliminary concepts, frequency distribution, graphic methods, measures of central tendency and variability, percentiles, probability, normal distribution, correlation analysis, sampling theory, parametric and selected non-parametric hypotheses-testing procedures. Lectures are supplemented by computational laboratory sessions.
Prereq: MATH 141.

PSYCH 216 RESEARCH METHODS 5 u
A laboratory course in the methodology of psychological research with emphasis on design, measurement, and statistical analysis appropriate for testing hypotheses in perception, learning, memory and other areas of general psychology. Students design and conduct experiments and write reports.
Prereq: PSYCH 211 and PSYCH 215.

PSYCH 301 PHYSIOLOGICAL PSYCHOLOGY 3 u
A survey of the biological and physiological bases of human and animal behavior, with particular attention to the following: Basic principles of the anatomy, physiology, and biochemistry of the nervous system; sensory and motor systems; sleep; circadian rhythms; sexual behavior; emotion and stress; motivation; learning, memory, and language; neurological disorders; psychopathology.
Prereq: PSYCH 211 or 4 units of biology or BIOLOGY 110.

PSYCH 303 LEARNING AND CONDITIONING 3 u
Studies the basic processes of how organisms modify their behavior. Topics include classical and instrumental conditioning, reinforcement, extinction, punishment and avoidance, generalization and discrimination, and biological constraints on learning.
Prereq: PSYCH 211

PSYCH 304 PSYCHOLOGY OF PERSONALITY 3 u
An introduction to the study of the uniqueness of the individual. Emphasis will be on research methods and on theories as well as on some of the more important characteristics on which individuals differ.
Prereq: PSYCH 211

PSYCH 305 PSYCHOLOGY OF PERCEPTION 3 u
A study of how sensations emerge from physical energies falling upon sense receptors and get organized into the percepts we call events, objects and object properties of the real world including our self image. Topics include illusions, hallucinations, and normal experiences with all the senses, especially touch, hearing, and vision.
Prereq: PSYCH 211

PSYCH 331 PSYCHOLOGY OF CHILDHOOD 3 u
An introduction to the psychological research on child development with emphasis on physical, cognitive, social and emotional development.
Prereq: PSYCH 211

PSYCH 332 PSYCHOLOGY OF ADOLESCENCE 3 u
An introduction to the psychological research on adolescent development with emphasis on physical, cognitive, social, emotional, sexual and moral development.
Prereq: PSYCH 211

PSYCH 345/545 ABNORMAL PSYCHOLOGY 3 u
An introductory survey of abnormal psychology covering the clinical syndromes included in the diagnostic classification system of the American Psychiatric Association. Current research regarding causal factors, treatment, and outcomes supplement descriptions of maladaptive patterns of behavior.
Coreq: PSYCH 304 or Graduate standing.

PSYCH 351 COGNITIVE PSYCHOLOGY 3 u
Course will explore processes of thought, attention, memory, language, and problem-solving. Students will explore various theories of cognition from traditional psychological theories (i.e., linguistic vs. image based thought) to the current computer-based models (i.e., artificial intelligence) and examine relevant evidence to help us gain insight into the workings of the human mind.
Prereq: PSYCH 211.

PSYCH 355 SOCIAL PSYCHOLOGY 3 u
The study of the individual (thus psychological) in social contexts (thus sociological), emphasizing such topics as interpersonal attractions, prejudice, leadership, formal and informal social roles, conflicts, brainwashing, social power, social influence, persuasion, stereotyping, conformity, obedience, group effectiveness, self-perception, and validation in social interaction of beliefs, values, attitudes, self-concepts.
Prereq: PSYCH 211

PSYCH 387 FIELD TRAINING IN PSYCHOLOGY 1-3 u
An opportunity is presented to introduce psychology majors and minors to a work-study experience in a selected agency or institution. Repeatable for a maximum of 3 units in major and a maximum of 6 units in degree.
Prereq: Consent of instructor.

PSYCH 391 HISTORY AND SYSTEMS OF PSYCHOLOGY 3 u
An overview of major psychological theories and theoretical issues designed to assist the advanced student in organizing and integrating his knowledge of factual content in psychology and in completing a strong foundation for graduate study.
Prereq: 9 units in psychology.

PSYCH 394 /594 DIRECTED RESEARCH IN PSYCHOLOGY 3 u
Students, under faculty supervision, participate in some of all phases of research projects, literature search, design, data collection and analysis, and preparation of research reports. Repeatable for a maximum of 6 units in the psychology major or minor. Topics vary from term to term.
Prereq: consent of instructor

PSYCH 415/615 RESEARCH DESIGN 3 u
Several research strategies will be investigated. These will include using questionnaires, attitude and personality research, and interview research. Some of the statistical techniques covered will be: t-tests, chi-square, and various correlational techniques. A thorough discussion of numerous analysis of variance techniques will constitute a major portion of this course.
Prereq: PSYCH 215 or equivalent and junior standing.

PSYCH 420/620 FOUNDATIONS OF PROFESSIONAL SCHOOL PSYCHOLOGY 3 u
An examination of the history, foundations, legal/ethical, and role and function issues in school psychology. Particular attention will be focused on the exploration of specific models of school psychological service delivery, including direct intervention and school-based consultation with education and agency professionals.
Prereq: Admission to the School Psychology Program or consent of instructor.

PSYCH 424/624 HUMAN LEARNING

3 u

A survey of findings and theoretical analyses of how people acquire, forget, and transfer verbal information. The structures (sensory, short-term, and long-term memory) and processes (attention, encoding, storage, and retrieval) of human memory will be studied and related to the current theories of human information processing.

Prereq: PSYCH 303 or equivalent or consent of instructor and junior standing.

PSYCH 440/640 PSYCHOLOGICAL TESTS AND MEASUREMENTS

3 u

Demonstrates the principles of psychological measurement. Demonstrates contents and uses of specific tests of mental ability, achievement, personality, interests, and special abilities. Field work: Group examination of regional schools' testing program - analysis of tests of this program.

Prereq: PSYCH 215 and junior standing.

PSYCH 444/644 PRINCIPLES OF BEHAVIOR MODIFICATION

3 u

A survey of the various methods used in behavior modification programs. The background and theory of specific techniques will be carefully considered. The variables to be reviewed in establishing a sound program will be presented and evaluated.

Prereq: PSYCH 211 and junior standing.

PSYCH 446/646 INTRODUCTION TO CLINICAL PSYCHOLOGY

3 u

A survey course designed to acquaint the student with the types of behavior personality problems with which the clinical psychologist deals, the use of diagnostic methods including projective techniques, and to provide an orientation to the various methods of psychotherapy.

Prereq: PSYCH 304 or PSYCH 345 or consent of instructor and junior standing.

PSYCH 451/651 INTERPERSONAL RELATIONS AND SOCIAL INTERACTIONS

3 u

Theory, research and exercises in interpersonal perception, communication, motivation, leadership and problem-solving within groups.

Prereq: Junior or senior standing.

PSYCH 480/680 SCHOOL VIOLENCE AND CRISIS MANAGEMENT

3 u

Advanced undergraduates and graduate students who have professional and/or scholarly interests in gaining a greater understanding of the variables associated with violence and crisis management in the public school setting. Emphasis on: Psychological, developmental, and risk correlates of childhood aggression; critical examination of the prevention and intervention models considered most effective and useful in the school setting; in depth understanding of crisis prevention and response models.

Prereq: Junior standing.

PSYCH 486/686 INTERVIEW AND PSYCHOTHERAPY TECHNIQUES

3 u

A review of the literature on interview techniques as a method of assessment and as a method of helping. Students will observe and discuss demonstrations conducted by faculty members. In addition, students will conduct, role-play, tape, and analyze interviews themselves.

Prereq: PSYCH 304 or PSYCH 345 and junior standing.

PSYCH 489/689 FAMILY THERAPY

3 u

Concepts, theories, and research in family therapy will be reviewed. Students will role-play family problems and treatment skills. This course does not qualify a student to practice family therapy, for which an internship and/or clinical placement and graduate degree are necessary.

Prereq: PSYCH 486 or senior or graduate standing or consent of instructor.

PSYCH 490/690 WORKSHOP

1-6 u

Repeatable for a maximum of 6 units in degree. Prereq: Senior standing or consent of instructor.

PSYCH 494 SEMINAR IN PSYCHOLOGY

1-3 u

Repeatable, with permission of the Psychology Department, for a maximum of 6 units in major/degree. Prereq: 12 units in psychology or consent of instructor.

PSYCH 496/696 SPECIAL STUDIES IN PSYCHOLOGY

1-3 u

Repeatable, with permission of department, for a maximum of 6 units in major/degree. Prereq: 12 units in psychology or consent of instructor and junior standing.

PSYCH 497 EXCHANGE STUDY*Repeatable*

1-12 u

PSYCH 498 INDEPENDENT STUDY

1-3 u

Repeatable for a maximum of 6 units in major. Prereq: Minimum 2.75 g.p.a., minimum of 9 units in psychology, junior or senior standing, and consent of instructor.

PSYCH 499 HONORS THESIS

3-6 u

Students engage in a critical review or an experimental study of a topic of interest to them under the supervision of an honors thesis committee of the psychology department. Repeatable for a maximum of 6 units in the major.

Prereq: Psychology major or minor with at least 21 units in psychology courses and a minimum overall GPA of 3.5.

PROGRAM OF RACE AND ETHNIC CULTURES*Phone: 262-472-1553**E-Mail: raceethnic@unm.edu*

Faculty: Paul Adogamhe, Lloyd Binagi, Carlos de Onis, E. Howard Grigsby (Coordinator), John Valadez.

The Race and Ethnic Cultures Program offers a 24-UNIT minor composed of 3 units of American Indian Studies, 9 units of African-American Studies, 9 units of Chicano Studies and 3 elective units chosen from a list of approved courses. In an ever changing nation and international community of people, this minor will help broaden students' knowledge of the experiences and contributions racial/ethnic groups have made to this country's development and prosperity and also, to the world's. It complements several majors, preparing students for the future.

MINOR**RACE AND ETHNIC CULTURES**

MINOR - 24 UNITS

1. AMERIND 102 OR HISTRY 424
2. AFRIAMR 100
3. AFRIAMR 397
4. AFRIAMR 270 OR SOCIOLOGY 270
5. CHICANO 320
6. CHICANO 330
7. CHICANO 200 OR ENGLISH 200
8. SELECT 3 UNITS FROM COURSES

AFRIAMR 120, AFRIAMR 470, AFRIAMR 320, AFRIAMR 396, AFRIAMR 490, AFRIAMR 494, AFRIAMR 496, AFRIAMR 498, AMERIND 490, AMERIND 496, AMERIND 498, CHICANO 150, CHICANO 201, CHICANO 310, CHICANO 480, CHICANO 490, CHICANO 494, CHICANO 496, CHICANO 498, ENGLISH 201, ENGLISH 345, ENGLISH 368, HISTRY

120, HISTRY 340, HISTRY 420, HISTRY 424, RELIGST 211, RELIGST 303, POLISCI 217, RACEETH 217, RACEETH 380, RACEETH 490, RACEETH 496, RACEETH 498, SOCWORK 380, SOCIOLOGY 459 AND SOCIOLOGY 470

COURSE DESCRIPTIONS

RACE AND ETHNIC CULTURES - GENERAL

RACEETH 150 ATLANTIC HISTORY *GH/Diversity* 3 u

This course explores the Atlantic community created as a result of Christopher Columbus' voyage of 1492. It examines the process which drew together the history of four continents, Europe, Africa, North and South America as a result of the commerce, migrations, and imperial rivalries initiated by the Columbian encounter. The course, thus, focuses not only on the Atlantic Ocean itself as a frontier and zone of interaction but on the destruction and reconfiguration of Indigenous societies, the patterns of labor developed as a result of African slavery, the creation of new world societies, independence movements and different strategies of accommodation, resistance and rebellion.

RACEETH 217 ETHNIC POLITICS *GE/Diversity* 3 u

The central concern of this course is to provide the student an awareness of the political development of racial and ethnic minorities in today's political arena. It will compare and contrast the development of the white ethnic communities of the 19th and 20th centuries with our modern day racial and ethnic minorities. (Offered jointly with political science).
Unreq: POLISCI 247

RACEETH 368/568 AMERICAN MINORITY *Diversity* 3 u WOMEN WRITERS

A survey of poetry, fiction, drama, and essays written by African-American, Hispanic-American, Native American, and Asian-American women.
Prereq: ENGLISH 101 and ENGLISH 102 or ENGLISH 161 and ENGLISH 102 or consent of instructor. Unreq: ENGLISH 368/568.

RACEETH 380/580 RACE, ETHNICITY, AND *Diversity* 3 u SOCIAL JUSTICE: ISSUES FOR HELPING PROFESSIONALS

The course is designed to help students develop a greater understanding of the influence of one's race and ethnicity on the ways individuals perceive the world and the ways they are treated by others and by society. Within the framework of the helping professions, students will have the opportunity to examine their attitudes toward members of racial and ethnic minorities, develop ways to learn about the participation in and treatment of racial and ethnic minority groups in work, education, and social services, and examine ways to affect one's own attitudes and society to achieve social justice.
Unreq: SOCWORK 380/580.

RACEETH 490/690 WORKSHOP 1-3 u

Repeatable a maximum of three times.

RACEETH 491/691 TRAVEL STUDY 1-3 u

Prereq: Consent of department

RACEETH 496/696 SPECIAL STUDIES 1-3 u

Repeatable a maximum of three times.

RACEETH 498 INDEPENDENT STUDY 1-3 u

Repeatable three times for maximum of 9 units. Prereq: Cons instr.

AFRICAN-AMERICAN STUDIES

The objectives of African-American Studies are to provide a systematic study of the experiences, conditions, and origins of African-American

people, their philosophical, religious, and social values, their various modes of artistic expression, and the way in which each of these cultural aspects is interrelated. In this way African-American Studies provides the student with an opportunity to gain knowledge and understanding of the history, social organization, current conditions, and problems that face African-Americans as a racial minority in the United States. Additionally, the study of the African-American experience will unfold and analyze the African-American contribution to the American heritage.

AFRIAMR 100 INTRODUCTION TO *GE/Diversity* 3 u BLACK CULTURE

This course is an introduction to the experiences, literature, art and music of Black people. Emphasis will be placed on major Black contributions to American culture. Special attention will be paid to Black studies as a discipline.

AFRIAMR 141 MODERN BLACK *GE/Diversity* 3 u AMERICAN HISTORY

A critical examination and analysis of the status and role of Black Americans in the United States since 1865.
Unreq: HISTRY 141

AFRIAMR 270 THE AFRICAN AMERICAN *GE/Diversity* 3 u COMMUNITY: A SOCIOLOGICAL PERSPECTIVE

This course provides lower level undergraduate students with systematic sociological understanding of the historical and current experiences of African American people. (Cross-listed with Sociology)
Unreq: SOCIOLOGY 270.

AFRIAMR 320/520 A HISTORY OF BLACK 3 u MIGRATION IN THE U.S.

This course will examine and analyze the impact of Black migration from rural south to the northern urban centers since the turn of the century.
Prereq: HISTRY 125 or HISTRY/AFRIAMR 141 or AFRIAMR 100 or consent of instructor.

AFRIAMR 345/545 AFRICAN-AMERICAN *Diversity* 3 u LITERATURE, 1800 TO THE PRESENT

A survey of essays, prose, fiction, drama, and poetry written by African-Americans from the Colonial period to the present.
Unreq: ENGLISH 345/545.

AFRIAMR 365 BLACK POLITICAL AND *Diversity* 3 u SOCIAL THOUGHT

This course will utilize a Pan-African approach to provide an organized and systematic pattern of social and political ideologies/thought put forth by Black publicists and theorists concerning the organization of their society. As such, it will survey the principal personalities and major protest movements that have emerged in the Diaspora African Community, as well as pay special attention to selected African ideologies and personalities involved in shaping Black political and social thought.
Prereq: AFRIAMR 100 or POLISCI 141 or RACEETH/POLISCI 217 or POLISCI 250.

AFRIAMR 392 AFRICAN AMERICAN *Diversity* 3 u FAMILIES

This course will survey the historical development of the African-American Family from Africa to modern times. Significant events (e.g., the slave trade, slavery, and migration) will be scrutinized in order to ascertain their role in shaping the contemporary Black Family life. Other important social and economic forces will be illuminated to assess their impact. The latest body of literature, models, paradigms, hypotheses, and statistical findings will be critically examined to enhance understanding of modern day Black Family premarital and marital relations, adaptive patterns, and dislocations. (Offered jointly with Sociology.)
Prereq: 3 units of Sociology or 3 units of African American Studies.

AFRIAMR 396 CURRENT ISSUES IN *GE/Diversity* **3 u**
BLACK STUDIES: SOCIAL AND BEHAVIORAL
SCIENCES

This course deals with the key issues that fall under the investigatory domain of the social and behavioral sciences. These issues are investigated in light of the traditional eurocentric approaches of the social and behavioral sciences, as well as the approaches of a Black social and behavioral scientist. In addition, the long and short term effects of the several approaches and suggested solutions to these issues are examined critically in the context of their effect or impact on Blacks and whites.

AFRIAMR 397 CURRENT ISSUES IN *GE/Diversity* **3 u**
BLACK STUDIES: HUMANITIES

This seminar course addresses the appeal of Black power as a polemic, protest and propaganda in the context of the Black experience in the United States. The primary materials will be speeches, documentaries, comic routines, mime groups, theatre and cinema. The approach is rhetorical and focuses on the ways in which statements are made and the effect they may have on the immediate audience and beyond.

AFRIAMR 461/661 GOVERNMENT AND POLITICS **3 u**
OF AFRICA

The course will critically analyze the political events, major problems, processes and trends in Sub-Saharan African politics and society. It will also attempt to examine the prospects for economic development and democracy in contemporary Africa. Some African countries will be selected for special attention.

Prereq: Any political science general studies course. Unreq: POLISCI 461/661.

AFRIAMR 490/690 WORKSHOP *Repeatable* **1-3 u**

AFRIAMR 491/691 TRAVEL STUDY *Repeatable* **1-3 u**

AFRIAMR 494 SEMINAR *Repeatable* **1-3 u**

AFRIAMR 496/696 SPECIAL STUDIES *Repeatable* **1-3 u**

AFRIAMR 498 INDEPENDENT STUDY **1-3 u**

AMERICAN INDIAN STUDIES

American Indian Studies deals with the history and traditions of Native Americans. Special attention is given to current issues and events relevant to conditions in Wisconsin today.

AMERIND 102 INTRODUCTION TO *GH/Diversity* **3 u**
AMERICAN INDIAN STUDIES

An interdisciplinary introduction to the history, literature, art, and religion of Native Americans designed for students seeking a basic understanding of American Indians. Emphasis will be given to the contemporary scene.

AMERIND 490/690 WORKSHOP **1-3 u**
 Repeatable a maximum of three times.

AMERIND 491/691 TRAVEL STUDY *Repeatable* **1-3 u**

AMERIND 496/696 SPECIAL STUDIES **1-3 u**
 Repeatable three times for a maximum of 9 units.

AMERIND 498 INDEPENDENT STUDY **1-3 u**
 Repeatable three times for a maximum of 9 units. Prereq: Consent of instructor.

CHICANO STUDIES

Chicano Studies deals with those who may call themselves Mexican, Hispanic or Latino.

Chicano Studies provides the student with an opportunity to study the role of the Chicano in, and his relationship to, United States society in general. These courses serve to broaden perceptions of the origins, conditions, and experiences of Hispanics by exploring their social and philosophical values. The study of the Chicano/Latino experience includes an examination of Chicano history and literature, culture and political thought from earliest antecedents to the present day.

CHICANO 150 INTRODUCTION TO CHICANO *GE* **3 u**
STUDIES

Identifies and interprets internal and external cultural experiences converging to form the present day Chicano.

CHICANO 200 CHICANO LITERATURE: *GE/Diversity* **3 u**
HISTORICAL CONTEXT AND
CONTEMPORARY TEXT

Identifies and interprets Chicano literature in a social and historical context with emphasis on contemporary text. All Spanish language texts are provided in translation. (Also offered as ENGLISH 200 by English Department.) Unreq: ENGLISH 200.

CHICANO 201 CONTEMPORARY *GE/Diversity* **3 u**
CHICANO LITERATURE

Analyzes contemporary Chicano drama, fiction, and poetry within their cultural and historical context: examined from a traditional formalist approach and as a human expression. (Also offered as ENGLISH 201 by English Department.) Unreq: ENGLISH 201.

CHICANO 310/510 HISTORY OF *GE/Diversity* **3 u**
CHICANOS IN THE U.S.: 19TH CENTURY ROOTS
AND 20TH CENTURY DEVELOPMENT

Interprets historical events of the U.S. and their impact on the Chicano emphasizing 19th century roots and 20th century development. Takes an in depth look at implications of the Treaty of Guadalupe Hidalgo and 20th century Mexican Immigration.

CHICANO 320/520 POLITICS OF THE *GE/Diversity* **3 u**
CHICANO

A comprehensive analysis of Chicano life as it relates to U.S. governmental institutions. Chicanos are presented in terms of their political, social, and religious affiliations; their economic and occupational status; and their family life and language relationships to the U.S. Federal System of Government. This study views Chicanos from two separate perspectives: as a self-contained ethnic minority and as a part of the broader U.S. population.

CHICANO 330 CHICANO AND LATINO *GE/Diversity* **3 u**
AMERICAN THOUGHT

A close analysis of the ideological perspectives of the Hispanic Movement will show that the issues inherent in this movement are not new ones. The Hispanic situation, that of a conquered people, traces its beginnings to the early XVI century with the conquest of Tenochtitlan by Hernan Cortes. Essays from both the conqueror and the conquered will be studied that show that ideologically Aztlan and Latino American countries have a similar point of reference.

CHICANO 490/690 WORKSHOP **1-3 u**
 Repeatable a maximum of three times.

CHICANO 491/691 TRAVEL STUDY *Repeatable* **1-3 u**

CHICANO 494 SEMINAR **1-3 u**
 Repeatable a maximum of three times.

CHICANO 496/696 SPECIAL STUDIES **1-3 u**

Repeatable a maximum of three times.

CHICANO 498 INDEPENDENT STUDY 1-3 u

Repeatable three times for a maximum of 9 units. Prereq: Consent of instructor.

DEPARTMENT OF SOCIAL WORK

Phone: 262-472-1137

E-Mail: socwork@unm.edu

Faculty: Karen Kirst-Ashman, Jackie Jackson, William Powell, Tim Reutebuch, Mike Wallace, James Winship, Janet Wright (Chairperson), Charles Zastrow.

The primary objective of the social work major is preparation of students for beginning level professional generalist social work practice. The major emphasizes development of students' practice skills by providing classroom and internship content in the wide variety of social and personal problems encountered by individuals, groups, families, organizations, and communities. Relationship and problem-solving techniques are stressed during the phases of studying, analyzing, testing, and evaluating social problems in both urban and rural areas. Many types of employment settings are available for professional social workers including counseling, foster care, adoption, child protective services, probation and parole, services to single parents, day care, public assistance, services to people of color and women, school social services, drug and alcohol counseling, services for the elderly, and positions in the areas of community organization, social planning and social action.

MAJOR

Requirements for admission into the Professional Segment (i.e., Social Work Practice and Practicum courses) of the Social Work major include: a 2.25 overall grade point minimum is needed to enroll in practice courses (SOCWORK 371, SOCWORK 372, and SOCWORK 473) and in Social Work Experience (SOCWORK 493). Exceptions will be made for students having a 2.50 GPA for the last two semesters having taken at least nine units during each semester; or a 2.75 GPA having taken at least nine units in the semester prior to applying. Students with a lower grade point average may enroll in other Social Work courses. Check with the Social Work Department office for specific information about admissions processes.

All required Social Work courses must be completed with a grade of C or better. Any required Social Work course in which a lower grade is received must be retaken by the student. Any student who receives a second grade below C in the same required social work class will not be permitted to continue in the program.

Graduation requirements for a major in Social Work: a 2.25 grade point average in the Social Work major is needed.

SOCIAL WORK (BA/BS)

MAJOR - 36 UNITS

1. SOCWORK 102
2. SOCWORK 311 AND SOCWORK 312
3. SOCWORK 371, SOCWORK 372 AND SOCWORK 402
4. SOCWORK 462 AND SOCWORK 473
5. SELECT 12 UNITS FROM COURSE SOCWORK 493

UNIQUE REQUIREMENT - 10 - 11 UNITS

1. POLISCI 141 RLS
2. GENED 130
3. BIOLOGY 120 OR PEPROF 271 RLS

MINOR

HUMAN SERVICES FOUNDATIONS

MINOR - 24 UNITS

1. SELECT ANY THREE COURSES FROM THE FOLLOWING:
PSYCH 202, PSYCH 331, PSYCH 332, SOCWORK 102, SOCWORK 235, SOCWORK 325, SOCWORK 337, OR WOMENST 350
2. SELECT ONE OF THE FOLLOWING COURSES:
ENGLISH 370, ENGLISH 372, PSYCH 215, OR MATH 230
3. SELECT 12 UNITS LISTED IN THIS SECTION. COURSES NOT USED IN THE CORE CAN BE USED TO SATISFY ELECTIVES. A SECOND COURSE FROM THE ANALYTICAL AND WRITING SKILLS SECTION CAN BE USED AS AN ELECTIVE: PSYCH 202, PSYCH 331, PSYCH 332, PSYCH 345, PSYCH 387, PSYCH 444, PSYCH 486, PSYCH 489, SAFETY 255, SOCWORK 102, SOCWORK 235, SOCWORK 301, SOCWORK 302, SOCWORK 303, SOCWORK 311, SOCWORK 325, SOCWORK 337, SOCWORK 341, SOCWORK 380, SOCWORK 498, WOMENST 100, WOMENST 350, WOMENST 370, WOMENST 392, COMDIS 270

COURSE DESCRIPTIONS

SOCWORK 102 INTRODUCTION TO SOCIAL G\$ 3 u
WELFARE

This course is an introduction to the history and philosophy of social welfare, to social work and other helping professions, and to social institutions so that the students may enlarge their liberal arts education, gain understanding of contemporary social welfare problems and services, and begin to evaluate their personal values and convictions about social welfare issues. A service learning experience is required of all students, providing a hands-on exploration into their selected area of social services. Required for all social work majors.

SOCWORK 235 CHILD WELFARE 3 u

This course is a survey of social services for children: the problems treated, an assessment of the effectiveness of current services, and consideration of alternative service programs.

Prereq: SOCWORK 102 or cons instr.

SOCWORK 301/501 ASSERTIVENESS TRAINING IN 1 u
THE HELPING PROFESSIONS

This course presents the principles of assertiveness training, uses experiential exercises to help students learn to present themselves more assertively, and prepares students to assist others to become more assertive. Content is focused on students who are planning a career in the helping professions.

SOCWORK 302/502 GRIEF MANAGEMENT IN THE 1 u
HELPING PROFESSIONS

This course focuses on issues such as adjustment to the death of someone close, helping someone who is terminally ill, and coping with other losses—such as cherished relationships. The grief counseling content is intended for students who are planning a career in the helping professions.

SOCWORK 303/503 MANAGING STRESS AND 1 u
BURNOUT IN THE HELPING PROFESSIONS

This course focuses on recognizing signs of destructive stress and the stages of burnout in the helping professions. Instruction is given in using a

number of techniques for coping with stress such as meditation, relaxation training, time management, social support systems, biofeedback, and life planning as they apply to the helping professions.

SOCWORK 311/511 HUMAN BEHAVIOR AND THE SOCIAL ENVIRONMENT I 3 u

This course is designed to provide students with an understanding of the processes of bio-psycho and socio-cultural development from infancy to young adulthood. Material is also presented on the social systems (families, groups, organizations, and communities) in which individuals live. Prereq: GENED 130 and BIOLOGY 120 or PEPROF 271 and SOCWORK 102, only one of which may be taken concurrently.

SOCWORK 312/512 HUMAN BEHAVIOR AND THE SOCIAL ENVIRONMENT II 3 u

This course is designed to provide the student with an understanding of the processes of bio-psycho and socio-cultural development from middle adulthood through old age. Material is also presented on the social systems (mezzo and macro) in which individuals live. Prereq: SOCWORK 311, Special undergraduates and graduate students must have approval of the department chair.

SOCWORK 325 SOCIAL WORK WITH CHILDREN AND ADOLESCENTS 3 u

This course is designed to introduce undergraduate students to the knowledge and skills necessary for working with children and adolescents. The course begins with assessment and interview of this population, provides an overview of child welfare policy (Wisconsin Juvenile Code), examines practice settings (i.e. group homes), abuse/neglect, gay/lesbian, etc. Discussion will include focus on current intervention approaches. Prereq: SOCWORK 371

SOCWORK 330 LEGAL ISSUES IN SOCIAL WORK PRACTICE 3 u

This course introduces students to the knowledge and skills necessary to work with the court system and advocate for their clients within that system. Chapters 48, 51, 55, and 938 and court testimony will be explained. Students will follow a case, make decisions around their case and write court reports throughout the course. Prereq: SOCWORK 102

SOCWORK 337/537 INTRODUCTION TO SOCIAL GERONTOLOGY 3 u

This course is designed to introduce the student to social and physical factors related to aging. It will include information regarding social services needed to assist the older person and an analysis of gaps in current services. Prereq: Soph st or cons instr.

SOCWORK 341/541 SEXUALITY FOR PROFESSIONAL GROWTH 3 u

This comprehensive course is designed to add to students' knowledge and comfort in the area of human sexuality. Multi-media, lecture, and small group discussion techniques are used to explore issues as basic treatment skills, sex education, developmental sexuality, problem pregnancies, and common sexual dysfunctions. Prereq: Social Work majors, Women's Studies minors or majors, Health Education minors, or consent of department chairperson.

SOCWORK 371 SOCIAL WORK PRACTICE I 3 u

This course presents contemporary theoretical approaches to social work practice with individuals, groups, families, organizations and communities. This course uses a competency approach to assess and develop student interviewing and interpersonal skills, emphasizing social work practice with individuals. Coreq: SOCWORK 311. All prerequisites for SOCWORK 311 must be completed before SOCWORK 371 may be taken. 2.25 GPA required. Also Social Work major.

SOCWORK 372 SOCIAL WORK PRACTICE II 3 u

This course is designed to provide knowledge and skills needed to engage in generalist social work practice, including further development of interviewing and interpersonal skills. The course has an emphasis on social work practice with groups and communities. Prereq: SOCWORK 311, SOCWORK 371. 2.25 GPA required.

SOCWORK 380/580 RACE, ETHNICITY, AND SOCIAL JUSTICE: ISSUES FOR HELPING PROFESSIONALS 3 u

The course is designed to help students develop a greater understanding of the influence of one's race and ethnicity on the ways individuals perceive the world and the ways they are treated by others and by society. Within the framework of the helping professions, students will have the opportunity to examine their attitudes toward members of racial and ethnic minorities, develop ways to learn about the participation in and treatment of racial and ethnic minority groups in work, education, and social services, and examine ways to affect one's own attitudes and society to achieve social justice. Unreq: RACEETH 380/580.

SOCWORK 400/600 ADVANCED STRESS MANAGEMENT 3 u

The class emphasis is on 1) facilitating stress management in others, 2) coping with "deep" stress such as trauma and low self-esteem, and 3) alternative avenues for coping such as Tai Chi, yoga, art therapy, and meditation. This course is appropriate for anyone in the helping professions. Prereq: HEALTHED 362/562 or SOCWORK 303 or consent of instructor.

SOCWORK 402/602 SOCIAL WORK RESEARCH 3 u

This course is designed to familiarize the student with basic concepts of social work research methodology and statistics, computer usage, to develop competence in evaluating research literature and to develop beginning skills in evaluating social work practice. Prereq: SOCWORK 371.

SOCWORK 462/662 SOCIAL WELFARE POLICY 3 u

This course is designed to provide students with knowledge about the process of social welfare policy formulation and implementation and with policy analysis skills. The effects of social welfare policies and organizations on both clients (especially the poor and minorities) and on social workers will be emphasized. Prereq: SOCWORK 371 and POLISCI 141. Unreq: POLISCI 462/662.

SOCWORK 473/673 SOCIAL WORK PRACTICE III 3 u

This course will cover advanced problem solving approaches for intervention with individuals, families, groups, organizations, and communities. The class will utilize simulated practice situations. The course has an emphasis on social work practice with families and organizations. Prereq: SOCWORK 372 Coreq: SOCWORK 312, 2.25 GPA required, Special undergraduates and graduate students must have approval of the department chair.

SOCWORK 490/690 SOCIAL WORK WORKSHOP 1-6 u

Repeatable. Prereq: Consent of instructor.

SOCWORK 493 SOCIAL WORK EXPERIENCE 3-12 u

Students are placed in a community agency under the supervision of an experienced social worker. Students are expected to develop an in-depth understanding of agency activities and programs and will assume increasing levels of responsibility as beginning social workers. Attendance at periodic field placement meetings is expected. This course may be taken as a block placement (12 units) for one semester or summer, or over two semesters at 6 units per semester. A total of 480 hours in the agency is required in either option. Prereq: All other required social work courses must be completed, and consent of instructor. 2.25 GPA required.

SOCWORK 494/694 SEMINAR IN SOCIAL WORK METHODS 3 u

Repeatable. Prereq: SOCWORK 371 or consent of instructor.

SOCWORK 496/696 SPECIAL STUDIES *Repeatable* 1-3 u

Prereq: SOCWORK 102.

SOCWORK 497 EXCHANGE STUDY *Repeatable* 1-12 u**SOCWORK 498 INDEPENDENT STUDY IN SOCIAL WORK** 1-3 u

Repeatable. Prereq: Consent of instructor.

SOCWORK 499 SENIOR HONOR THESIS IN SOCIAL WORK 3 u

This two semester course must be taken by students in the general honors program. Students explore any topic in the field of social welfare under direction of faculty representing disciplines involved.

Prereq: Senior standing and invitation of the staff.

DEPARTMENT OF SOCIOLOGY, ANTHROPOLOGY AND CRIMINAL JUSTICE

Phone: 262-472-1133

E-Mail: sociology@uwm.edu

Faculty: Amber Ault, Ronald Berger, Melissa Deller, Marvin Free, Gilbert Gloyer, Eugene Grigsby, Hadley Klug, Lawrence Neuman, Richard Salem, Patricia Searles (Chairperson), Darcie Vandegrift, Jennifer Wingren, Wayne Youngquist.

Sociology is the systematic study of human group behavior. It seeks to understand the processes by which people build, maintain, and change their relations with others. Sociology emerged in response to the problems and needs of industrial life. As society has grown in size and complexity so has the need for knowledge and skill in dealing with human relationships. Providing students with the intellectual tools appropriate to the study and understanding of the basic human condition is our central concern. Topics studied include marriage and family, crime and delinquency, gender, race and ethnic relations, social problems, social institutions, and cross-cultural studies.

The Department of Sociology at UW-Whitewater offers courses covering a wide range of interests and specialties. The program is designed to give the student a better understanding of the significant factors and processes of modern life; to meet the needs of students preparing to teach in the social science field; to prepare students for graduate work in sociology; and to provide study useful for particular applied fields. Many students regard sociology as especially valuable preparation for careers in social work, teaching, law, and research and administration in government or corporations. Faculty work closely with students in developing programs and career plans and opportunities. They assist students in selecting an appropriate on-the-job practicum experience to make the transition to a professional job on graduation. Assistance extends to preparing for the job search and exploring the practical applications of sociology.

SOCIOLOGY MAJOR/MINOR GRADUATION REQUIREMENTS

Sociology BA/BS graduation requirements

1. Minimum major and minor overall UW-W GPA of 2.00.
2. Minimum GPA of 2.00 in the major or minor in Sociology (4.0 scale).
3. Transfer units accepted by UW-W count toward graduation, however, the GPA for the major or minor include UW-W units only. The

UW-W overall GPA minimum requirement is 2.00.

4. Students must file their application for graduation with the Registrar's Office (Graduation Department) 15 months before the graduation date so that any problems can be resolved.

MAJOR/EMPHASES

Groups of Courses Within Sociology

Group 1--Social Structure, Process, and Change: SOCIOLOGY 140, SOCIOLOGY 250, SOCIOLOGY 340, SOCIOLOGY 352, SOCIOLOGY 355/555, SOCIOLOGY 362/562, SOCIOLOGY 380/580, SOCIOLOGY 385, SOCIOLOGY 465/665

Group 2--Inequality and Diversity: SOCIOLOGY 265, SOCIOLOGY 270, SOCIOLOGY 280, SOCIOLOGY 290, SOCIOLOGY 345, SOCIOLOGY 350, SOCIOLOGY 351/551, SOCIOLOGY 388/588, SOCIOLOGY 391/591

Group 3--Social Institutions: SOCIOLOGY 252, SOCIOLOGY 310/510, SOCIOLOGY 312, SOCIOLOGY 330, SOCIOLOGY 353, SOCIOLOGY 356, SOCIOLOGY 365, SOCIOLOGY 392, SOCIOLOGY 455/655

Group 4--Crime and Control: SOCIOLOGY 276, SOCIOLOGY 370/570, SOCIOLOGY 372/572, SOCIOLOGY 374, SOCIOLOGY 378, SOCIOLOGY 379

Other Specialized Elective Courses: SOCIOLOGY 478, SOCIOLOGY 490/690, SOCIOLOGY 491, SOCIOLOGY 493, SOCIOLOGY 494/694, SOCIOLOGY 496/696, SOCIOLOGY 498, SOCIOLOGY 499

Required Courses: SOCIOLOGY 301, SOCIOLOGY 474 OR SOCIOLOGY 475/675, SOCIOLOGY 476/676. REQUIRED COURSES DO NOT SATISFY GROUP REQUIREMENTS.

SOCIOLOGY (BA/BS)

MAJOR - 33 UNITS

1. SOCIOLOGY 301 AND SOCIOLOGY 476 (COMPUTER LITERACY AND STATISTICS ARE SATISFIED BY SOCIOLOGY 476)
2. SOCIOLOGY 473 (MAJOR WRITING REQUIREMENT IS SATISFIED)
3. SELECT AT LEAST ONE COURSE FROM EACH OF THE FOUR NUMBERED GROUPS BELOW. INCLUDE AT LEAST NINE UNITS FROM COURSES NUMBERED 300 OR ABOVE.
GRP 1: SOCIOLOGY 140, SOCIOLOGY 250, SOCIOLOGY 340, SOCIOLOGY 352, SOCIOLOGY 355, SOCIOLOGY 362, SOCIOLOGY 380, SOCIOLOGY 385, SOCIOLOGY 465
GRP 2: SOCIOLOGY 265, SOCIOLOGY 270, SOCIOLOGY 290, SOCIOLOGY 315, SOCIOLOGY 345, SOCIOLOGY 350, SOCIOLOGY 388, SOCIOLOGY 451, SOCIOLOGY 459
GRP 3: SOCIOLOGY 252, SOCIOLOGY 330, SOCIOLOGY 353, SOCIOLOGY 356, SOCIOLOGY 365, SOCIOLOGY 410, SOCIOLOGY 455, SOCIOLOGY 470
GRP 4: SOCIOLOGY 276, SOCIOLOGY 370, SOCIOLOGY 372, SOCIOLOGY 374, SOCIOLOGY 378, SOCIOLOGY 379
4. SELECT A OR B LISTED BELOW:
A. SOCIOLOGY 478 AND SOCIOLOGY 493
B. SELECT 6 ELECTIVE UNITS FROM THE SOCIOLOGY DEPARTMENT
5. SELECT ELECTIVES TO TOTAL 33 UNITS SELECTED WITH ADVISOR. OTHER SPECIALIZED ELECTIVES INCLUDE SOCIOLOGY 490, SOCIOLOGY 491, SOCIOLOGY 494, SOCIOLOGY 496, SOCIOLOGY 498, SOCIOLOGY 499

AN APPROVED MINOR IS REQUIRED FOR THIS MAJOR

SOCIOLOGY (BSE)

LICENSURE - 42 UNITS

1. EDFOUND 212, EDFOUND 425 AND SECNDED 466
2. EDFOUND 243 OR EDFOUND 445

3. CIFLD 210
4. STUDENT TEACHING
SELECT 2 UNITS FROM CIFLD 402 AND 12 UNITS FROM CIFLD 414 OR SELECT 2 UNITS FROM CIFLD 404 AND 12 UNITS FROM CIFLD 412
5. SECNDED 430
6. GEOGRPY 252 (GS) OR BIOLOGY 214 (GM) RLS
7. ECON 213 OR ECON 324 RLS
8. SELECT 3 UNITS FROM COURSE CIFLD 492
9. SPECED 205

MAJOR - 33 UNITS

1. SOCIOLOGY 301 AND SOCIOLOGY 476 (COMPUTER LITERACY AND STATISTICS ARE SATISFIED BY SOCIOLOGY 476)
2. SOCIOLOGY 473 (MAJOR WRITING REQUIREMENT IS SATISFIED)
3. SELECT AT LEAST ONE COURSE FROM EACH OF THE FOUR NUMBERED GROUPS BELOW. INCLUDE AT LEAST NINE UNITS FROM COURSES NUMBERED 300 OR ABOVE.
GRP 1: SOCIOLOGY 140, SOCIOLOGY 250, SOCIOLOGY 340, SOCIOLOGY 352, SOCIOLOGY 355, SOCIOLOGY 362, SOCIOLOGY 380, SOCIOLOGY 385, SOCIOLOGY 465
GRP 2: SOCIOLOGY 265, SOCIOLOGY 270, SOCIOLOGY 290, SOCIOLOGY 315, SOCIOLOGY 345, SOCIOLOGY 350, SOCIOLOGY 388, SOCIOLOGY 451 AND SOCIOLOGY 459
GRP 3: SOCIOLOGY 252, SOCIOLOGY 330, SOCIOLOGY 353, SOCIOLOGY 356, SOCIOLOGY 365, SOCIOLOGY 410, SOCIOLOGY 455 AND SOCIOLOGY 470
GRP 4: SOCIOLOGY 276, SOCIOLOGY 370, SOCIOLOGY 372, SOCIOLOGY 374, SOCIOLOGY 378 AND SOCIOLOGY 379
4. SELECT A OR B LISTED BELOW:
A. SOCIOLOGY 478 AND SOCIOLOGY 493
B. SELECT 6 ELECTIVE UNITS FROM THE SOCIOLOGY DEPARTMENT
5. SELECT ELECTIVES TO TOTAL 33 UNITS SELECTED WITH ADVISOR. OTHER SPECIALIZED ELECTIVES INCLUDE SOCIOLOGY 490, SOCIOLOGY 491, SOCIOLOGY 494, SOCIOLOGY 496, SOCIOLOGY 498 AND SOCIOLOGY 499

AN APPROVED MINOR IS REQUIRED FOR THIS MAJOR

CRIMINAL JUSTICE

Ron Berger, Coordinator

The Criminal Justice Minor is an interdisciplinary field of study that integrates career-development goals with a liberal arts curriculum. The Minor consists primarily of social and behavioral science courses that will enhance students' understanding of the nature and causes of criminal and delinquent behavior and the operation of the criminal justice system in the United States. It will help prepare students to pursue careers in law enforcement (local, state, and federal), adult and juvenile probation and parole, correctional counseling and group home work, private security, and criminal justice research.

CRIMINAL JUSTICE EMPHASIS (BA/BS)

MAJOR - 54 UNITS

1. SOCIOLOGY 301, SOCIOLOGY 276 AND SOCIOLOGY 476 (COMPUTER LITERACY AND STATISTICS ARE SATISFIED BY SOCIOLOGY 476)
2. SOCIOLOGY 473 (WRITING REQUIREMENT IS SATISFIED)
3. SELECT AT LEAST ONE COURSE FROM EACH OF THE FOUR NUMBERED GROUPS BELOW. INCLUDE AT LEAST NINE UNITS FROM COURSES NUMBERED 300 OR ABOVE.
GROUP 1: SOCIOLOGY 140, SOCIOLOGY 250, SOCIOLOGY 340, SOCIOLOGY 352, SOCIOLOGY 355, SOCIOLOGY 362, SOCI-

- OLGY 380, SOCIOLOGY 385, SOCIOLOGY 465
GROUP 2: SOCIOLOGY 265, SOCIOLOGY 270, SOCIOLOGY 290, SOCIOLOGY 315, SOCIOLOGY 345, SOCIOLOGY 388, SOCIOLOGY 351, SOCIOLOGY 459
GROUP 3: SOCIOLOGY 252, SOCIOLOGY 330, SOCIOLOGY 353, SOCIOLOGY 356, SOCIOLOGY 365, SOCIOLOGY 410, SOCIOLOGY 455, SOCIOLOGY 470
GROUP 4: SOCIOLOGY 370, SOCIOLOGY 372, SOCIOLOGY 374, SOCIOLOGY 378, SOCIOLOGY 379
4. SELECT 4 COURSES FROM:
GROUP 1: SOCIOLOGY 370, SOCIOLOGY 372, SOCIOLOGY 374, SOCIOLOGY 378, SOCIOLOGY 379
GROUP 2: POLISCI 316, POLISCI 415, POLISCI 419
GROUP 3: SOCWORK 235
GROUP 4: SFTYGEN 255
 5. SELECT 3 COURSES FROM (CANNOT COUNT BOTH SOCIOLOGY 355 & PSYCH 355; COURSES CREDITED TOWARD AREA 1 CANNOT BE CREDITED TOWARD AREA 2):
GROUP 1: SOCIOLOGY 352, SOCIOLOGY 355, SOCIOLOGY 370, SOCIOLOGY 372, SOCIOLOGY 374, SOCIOLOGY 378, SOCIOLOGY 451, SOCIOLOGY 459
GROUP 2: POLISCI 316, POLISCI 320, POLISCI 414, POLISCI 415, POLISCI 419, POLISCI 421, POLISCI 462
GROUP 3: SOCWORK 102, SOCWORK 235, SOCWORK 311, SOCWORK 380
GROUP 4: SFTYGEN 255
GROUP 5: PSYCH 304, PSYCH 331, PSYCH 332, PSYCH 345, PSYCH 355, PSYCH 446, PSYCH 486
GROUP 6: SPEECH 228, SPEECH 244, SPEECH 328, SPEECH 424
GROUP 7: CRIMJUS 321
 6. SELECT A OR B LISTED BELOW:
A. SOCIOLOGY 478 AND SOCIOLOGY 493
B. SELECT 6 ELECTIVE UNITS FROM THE SOCIOLOGY DEPARTMENT
 7. SELECT ELECTIVES IN SOCIOLOGY (NOT CRIMINAL JUSTICE) TO TOTAL 30 UNITS SELECTED WITH ADVISOR. OTHER SPECIALIZED ELECTIVES INCLUDE SOCIOLOGY 490, SOCIOLOGY 491, SOCIOLOGY 494, SOCIOLOGY 496, SOCIOLOGY 498, SOCIOLOGY 499
 8. SELECT 9 UNITS FROM DEPARTMENTS OTHER THAN SOCIOLOGY. NO MORE THAN 15 UNITS FROM DEPARTMENTS OTHER THAN SOCIOLOGY MAY BE USED IN THIS MAJOR. (PERSONALIZATION REQUIRED)

SOCIAL STUDIES-BROADFIELD SOCIOLOGY I EMPHASIS (BSE)

LICENSURE - 40 UNITS

1. SECNDED 466
2. EDFOUND 243 OR EDFOUND 445
3. CIFLD 210
4. STUDENT TEACHING
SELECT 2 UNITS FROM CIFLD 402 AND 12 UNITS FROM CIFLD 414 OR SELECT 2 UNITS FROM CIFLD 404 AND 12 UNITS FROM CIFLD 412
5. SECNDED 430
6. GEOGRPY 252 (GS) OR BIOLOGY 214 (GM) RLS
7. ECON 213 OR ECON 324 RLS
8. EDFOUND 212 AND EDFOUND 425
9. SELECT 3 UNITS FROM COURSE CIFLD 492
10. SPECED 205

MAJOR - 54 UNITS

1. THE 33 UNITS SOCIOLOGY OPTION INCLUDES SOCIOLOGY 301 AND SOCIOLOGY 476
2. SOCIOLOGY 473 (MAJOR WRITING REQUIREMENT IS SATISFIED)
3. SELECT AT LEAST ONE COURSE FROM EACH OF THE FOUR NUMBERED GROUPS BELOW. INCLUDE AT LEAST NINE UNITS FROM COURSES NUMBERED 300 OR ABOVE.
GRP 1: SOCIOLOGY 140, SOCIOLOGY 250, SOCIOLOGY 340, SOCIOLOGY 352, SOCIOLOGY 355, SOCIOLOGY 362, SOCIOLOGY 380, SOCIOLOGY 385, SOCIOLOGY 465
GRP 2: SOCIOLOGY 265, SOCIOLOGY 270, SOCIOLOGY 290, SOCIOLOGY 315, SOCIOLOGY 345, SOCIOLOGY 388, SOCIOLOGY 451, SOCIOLOGY 459
GRP 3: SOCIOLOGY 252, SOCIOLOGY 330, SOCIOLOGY 353, SOCIOLOGY 356, SOCIOLOGY 365, SOCIOLOGY 410, SOCIOLOGY 455, SOCIOLOGY 470
GRP 4: SOCIOLOGY 276, SOCIOLOGY 370, SOCIOLOGY 372, SOCIOLOGY 374, SOCIOLOGY 378
4. IN CONSULTATION WITH ADVISOR SELECT SOCIOLOGY ELECTIVES TO TOTAL 33 UNITS. OTHER SPECIALIZED ELECTIVES INCLUDE: SOCIOLOGY 490, SOCIOLOGY 491, SOCIOLOGY 494, SOCIOLOGY 496, SOCIOLOGY 498, SOCIOLOGY 499
5. SELECT 12 ELECTIVE UNITS IN SOCIOLOGY EXCEPT GENED 130
6. SELECT 21 UNITS FROM AT LEAST 2 OTHER SOCIAL SCIENCES DEPTS

SOCIAL STUDIES-BROADFIELD SOCIOLOGY II EMPHASIS (BSE)

LICENSURE - 40 UNITS

1. SECNDED 466
2. EDFOUND 243 OR EDFOUND 445
3. CIFLD 210
4. STUDENT TEACHING
SELECT 2 UNITS FROM CIFLD 402 AND 12 UNITS FROM CIFLD 414 OR SELECT 2 UNITS FROM CIFLD 404 AND 12 UNITS FROM CIFLD 412
5. SECNDED 430
6. GEOGRPY 252 (GS) OR BIOLOGY 214 (GM) RLS
7. ECON 213 OR ECON 324 RLS
8. EDFOUND 212 AND EDFOUND 425
9. SELECT 3 UNITS FROM COURSE CIFLD 492
10. SPECED 205

MAJOR - 54 UNITS

1. THE 21 UNIT SOCIOLOGY OPTION INCLUDES SOCIOLOGY 301
2. SOCIOLOGY 473
3. SELECT 15 UNITS FROM AT LEAST 2 OF THE 4 GROUPS IN SOCIOLOGY
GRP 1: SOCIOLOGY 140, SOCIOLOGY 250, SOCIOLOGY 340, SOCIOLOGY 352, SOCIOLOGY 355, SOCIOLOGY 362, SOCIOLOGY 380, SOCIOLOGY 385, SOCIOLOGY 465
GRP 2: SOCIOLOGY 265, SOCIOLOGY 270, SOCIOLOGY 290, SOCIOLOGY 315, SOCIOLOGY 345, SOCIOLOGY 388, SOCIOLOGY 451 AND SOCIOLOGY 459
GRP 3: SOCIOLOGY 252, SOCIOLOGY 330, SOCIOLOGY 353, SOCIOLOGY 356, SOCIOLOGY 455 AND SOCIOLOGY 470
GRP 4: SOCIOLOGY 276, SOCIOLOGY 370, SOCIOLOGY 372, SOCIOLOGY 374, SOCIOLOGY 378

4. SELECT 33 UNITS FROM AT LEAST 3 OTHER SOCIAL SCIENCES DEPTS EXCLUDING CORE COURSES

MINORS**FAMILY AND HEALTH STUDIES****MINOR - 24 UNITS**

1. FAMILY: SELECT AT LEAST 6 UNITS:
PSYCH 331, PSYCH 332, SPECED 201, SOCWORK 235, SOCWORK 337, SOCIOLOGY 252, SOCIOLOGY 345, SOCIOLOGY 392, SOCIOLOGY 455, WOMENST 350
2. HEALTH: SELECT AT LEAST 6 UNITS
ECON 445, HEALTHED 360, SFTYGEN 255, SFTYIND 457, SPECED 205, SPECED 356, SPECED 364, SPECED 376, COMDIS 270, BIOLOGY 214, BIOLOGY 247, BIOLOGY 310, GEOGRPY 252, PHILSPHY 247, SOCIOLOGY 310, SOCIOLOGY 315
3. ELECTIVES: SELECT 12 UNITS (CANNOT COUNT COURSES ALREADY SELECTED TO SATISFY AREA 1 & 2 REQUIREMENTS)(NO MORE THAN 12 UNITS CAN BE TAKEN FROM ANY ONE DEPT)(CANNOT EARN CREDIT FOR BOTH BIOLOGY 247 AND PHILSPHY 247 OR SOCIOLOGY 355 AND PSYCH 355)
SPEECH 228, SPEECH 328, SPEECH 424, RECREATN 232, RECREATN 360, HISTRY 455, PHILSPHY 247, PHILSPHY 365, POLISCI 330, POLISCI 462, PSYCH 202, PSYCH 304, PSYCH 331, PSYCH 332, PSYCH 355, PSYCH 486, PSYCH 489, SOCWORK 102, SOCWORK 235, SOCWORK 311, SOCWORK 337, SOCIOLOGY 252, SOCIOLOGY 310, SOCIOLOGY 315, SOCIOLOGY 330, SOCIOLOGY 345, SOCIOLOGY 355, SOCIOLOGY 370, SOCIOLOGY 379, SOCIOLOGY 392, SOCIOLOGY 455, WOMENST 320, WOMENST 350, WOMENST 380, WOMENST 392, ECON 445, HEALTHED 360, SFTYGEN 255, SFTYIND 457, SPECED 205, SPECED 356, SPECED 364, SPECED 376, COMDIS 270, BIOLOGY 214, BIOLOGY 247, BIOLOGY 310, GEOGRPY 252

SOCIOLOGY**MINOR - 21 UNITS**

1. SOCIOLOGY 301
2. SOCIOLOGY 473
3. ONE COURSE FROM THREE OF THE FOUR NUMBERED GROUPS BELOW IS REQUIRED.
GRP 1: SOCIOLOGY 140, SOCIOLOGY 250, SOCIOLOGY 340, SOCIOLOGY 352, SOCIOLOGY 355, SOCIOLOGY 362, SOCIOLOGY 380, SOCIOLOGY 385, SOCIOLOGY 465
GRP 2: SOCIOLOGY 265, SOCIOLOGY 270, SOCIOLOGY 290, SOCIOLOGY 315, SOCIOLOGY 345, SOCIOLOGY 350, SOCIOLOGY 388, SOCIOLOGY 451 AND SOCIOLOGY 459
GRP 3: SOCIOLOGY 252, SOCIOLOGY 330, SOCIOLOGY 353, SOCIOLOGY 356, SOCIOLOGY 365, SOCIOLOGY 410, SOCIOLOGY 455 AND SOCIOLOGY 470
GRP 4: SOCIOLOGY 276, SOCIOLOGY 370, SOCIOLOGY 372, SOCIOLOGY 374, SOCIOLOGY 378, SOCIOLOGY 379
4. SELECT UNITS FROM COURSES NOT CHOSEN IN REQUIREMENT 3 TO TOTAL 21 UNITS FOR MINOR.

CRIMINAL JUSTICE

MINOR - 24 UNITS

- SELECT 5 COURSES FROM:
 GROUP 1: SOCIOLOGY 276, SOCIOLOGY 370, SOCIOLOGY 372, SOCIOLOGY 374, SOCIOLOGY 378, SOCIOLOGY 379
 GROUP 2: POLISCI 316, POLISCI 415, POLISCI 419
 GROUP 3: SOCWORK 235
 GROUP 4: SFTYGEN 255
- SELECT 3 COURSES FROM (CANNOT COUNT BOTH SOCIOLOGY 355 & PSYCH 355; CANNOT COUNT COURSES CREDITED TOWARD #1):
 GROUP 1: SOCIOLOGY 276, SOCIOLOGY 351, SOCIOLOGY 352, SOCIOLOGY 355, SOCIOLOGY 370, SOCIOLOGY 372, SOCIOLOGY 374, SOCIOLOGY 378, SOCIOLOGY 379, SOCIOLOGY 391
 GROUP 2: POLISCI 316, POLISCI 320, POLISCI 414, POLISCI 415, POLISCI 419, POLISCI 421, POLISCI 462
 GROUP 3: SOCWORK 102, SOCWORK 235, SOCWORK 311, SOCWORK 380
 GROUP 4: SFTYGEN 255
 GROUP 5: PSYCH 304, PSYCH 331, PSYCH 332, PSYCH 345, PSYCH 355, PSYCH 446, PSYCH 486
 GROUP 6: SPEECH 228, SPEECH 244, SPEECH 328, SPEECH 424
 GROUP 7: CRIMJUS 321
- NO MORE THAN 12 UNITS FROM ANY ONE DEPARTMENT MAY BE USED IN THIS MINOR.

FORENSIC SCIENCE CRIMINAL JUSTICE

MINOR-21 UNITS

- BIOLOGY 225
- CRIMJUS 321
- CRIMJUS 325
- SOCIOLOGY 374
- CRIMJUS 329
- SELECT 5 UNITS FROM: CRIMJUS 425, CRIMJUS 494, SOCIOLOGY 371, SOCIOLOGY 373

COURSE DESCRIPTIONS

- SOCIOLOGY 140 INTRODUCTORY SOCIOLOGY (GROUP 1 COURSE)** *GS* 3 u
 The study of human social relations with emphasis on culture, socialization, social structure and change, and the major social institutions.
- SOCIOLOGY 250 SOCIAL PROBLEMS (GROUP 1 COURSE)** *GS* 3 u
 The study of specific social problems, theoretical explanations of their existence, and strategies for effecting change.
- SOCIOLOGY 252 MARRIAGE AND THE FAMILY (GROUP 3 COURSE)** *GS* 3 u
 A course of study designed to familiarize the student with social and cultural patterns of mate selection, marriage, and family life involvement. Particular emphasis on changing perceptions surrounding gender roles and the institutions of marriage and family in contemporary United States.
- SOCIOLOGY 265 RACE AND ETHNIC RELATIONS (GROUP 2 COURSE)** *GS/Diversity* 3 u
 This course examines relationships between racial minorities and the majority group in the United States in their socio-historical contexts. Early histories of relations between minorities and the majority as well as present

relations will be addressed. Questions raised include whether American society should attempt to minimize differences between minorities and the majority, whether to blend or maintain group identities, and how we should address existing barriers and inequalities. Relationships and differences among minority groups will also be examined.

SOCIOLOGY 270 THE AFRICAN AMERICAN COMMUNITY: A SOCIOLOGICAL PERSPECTIVE (GROUP 2 COURSE) *GS/Diversity* 3 u

This course provides lower level undergraduate students with systematic sociological understanding of the historical and current experiences of African American people.
 Unreq: AFRIAMR 270.

SOCIOLOGY 276 INTRODUCTION TO CRIMINOLOGY (GROUP 4 COURSE) *GS* 3 u

An introduction to the field of criminology through examination of theories and patterns of criminal behavior, the operation of the criminal justice system, and the politics of crime control policy.

SOCIOLOGY 280 INTRODUCTION TO AUSTRALIAN STUDIES: AUSTRALIAN SOCIETY & CULTURE (GROUP 2 COURSE) *GS* 3 u

The course will focus on contemporary Australia and will explore five major themes. They are: (1) Racial and National Identities, (2) Comparisons with the United States, (3) Australia-Asia Interdependencies, (4) The Impacts of Globalization on Australia, (5) Contemporary Debates.
 Prereq: GENED 130 or GENED 140 or GENED 120 or consent of instructor

SOCIOLOGY 290 SOCIOLOGY OF PACIFIC ASIA (GROUP 2 COURSE) *GS* 3 u

The course offers a multi-disciplinary survey of social, economic, and political issues in societies of the geographic-cultural region of East Asia or the Pacific Rim. The region includes Southeast Asia (Indonesia, Malaysia, Singapore, Thailand) and East Asia (China, Korea, Japan). The stress is on the contemporary situation and recent past. The course will provide students with an introduction to a non-Western region and is a foundation for the further study of Asia. The specific issues discussed and range of countries to be examined may vary by semester.
 Prereq: GENED 130 or GENED 140.

SOCIOLOGY 301 SOCIOLOGICAL ANALYSIS 3 u

Students in this course will learn about the knowledge creation process by reading original research monographs. In addition, students will gain "hands-on" experience in posing sociological questions and in trying to answer those questions through the analysis of computer-based data sets such as the General Social Survey.
 Prereq: Sociology major (including Criminal Justice Emphasis) or minor, plus three units of sociology and GENED 130.

SOCIOLOGY 310/510 SOCIOLOGY OF HEALTH AND ILLNESS (GROUP 3 COURSE) 3 u

This course examines the sociocultural aspects of health and illness, the patient-practitioner relationship, the socialization of health practitioners, the social organization of health care services, and the role of ethics in medical decision-making. It analyzes the problems and inequities in our present system of health care delivery in the United States, with particular emphasis on the sexism, racism, and classism in policy and practice. It analyzes alternative models of health care delivery, and discusses modifications in policy and practice necessary to bring about change.
 Prereq: 3 units in sociology or consent of instructor.

SOCIOLOGY 312 SOCIOLOGY OF SPORT 3 u

This course will examine the social/cultural history of sports, how sociological theories may be used to understand sport, the complex gender issues surrounding sport, the link between racism and sports, and the link

between violence and sports.

Prereq: Prior completion of 3 units of sociology or consent of instructor

SOCIOLOGY 315 SOCIOLOGY OF DISABILITY 3 u

Sociology of Disability is an examination of the social construction of disability, including its historical and cross-cultural variations, institutional and organizational contexts, and interactional and emotional dimensions. Particular attention is given to the experience of living with various biomedical conditions and the ways in which the social status of disability is related to other forms of social inequality and difference.

Prereq: GENED 130, SPECED 201, 3 units of Sociology, or consent of instructor

SOCIOLOGY 319 INTRODUCTION TO ENVIRONMENTAL SOCIOLOGY 3 u

This course examines the economic and political structures that have induced natural environmental degradation throughout the world and highlights the impact of collective social actors mobilizing to influence the process of environmental policy formation in order to address environmental and technological risks.

Prereq: GENED 130 or GENED 140 or SOCIOLOGY 250

SOCIOLOGY 330 SOCIOLOGY OF EDUCATION (GROUP 3 COURSE) 3 u

A study of educational institutions as a social system. Consideration of role relationships, community contexts, relevant values and ideals.

Prereq: 3 units of sociology.

SOCIOLOGY 336 WOMEN IN ASIA: ENVIRONMENT, WORK, AND DEVELOPMENT 3 u

This course will focus on understanding broad cultural/global issues and gender relations in three regions of Asia: East, Southeast, and South. The course will focus on theoretical explanations as well as demographic, employment, environmental, and socio-cultural processes and how these influence gender issues.

Prereq: GENED 140 or GEOGRPY 230 or SOCIOLOGY 290 or SOCIOLOGY 385.

SOCIOLOGY 337 SOCIOLOGY OF NEWS AND THE MASS MEDIA 3 u

Sociology of News and the Mass Media examines the emergence of news organizations and the mass media as specialized subsystems within modern society and explores the interrelations between them and other social institutions and their impact on modern culture.

Prereq: 3 units of Sociology

SOCIOLOGY 340 SOCIAL MOVEMENTS AND COLLECTIVE BEHAVIOR (GROUP 1 COURSE) 3 u

An examination of the causes and consequences of social movements and collective behavior, including such phenomena as riots; fads; panic; trade unions; reform, revolutionary, and liberation movements; utopian communities.

Prereq: 3 units of sociology.

SOCIOLOGY 345 SOCIOLOGY OF GENDER (GROUP 2 COURSE) 3 u

This course will analyze gender as a process and as a social institution. It will examine how we can experience gender in ways that maintain existing gender relations or in ways that challenge them.

Prereq: WOMENST 100 or 3 units of sociology.

SOCIOLOGY 350 CONTEMPORARY JAPANESE SOCIETY 3-4 u

This course examines contemporary Japanese society. It includes a study of social institutions, processes, and culture of Japan. The course examines the following areas: (a) culture (beliefs, customs, social identity); (b) social

institutions (family, religion, education, work, media); (c) societal processes (socialization, deviance, urbanization); (d) inequalities (gender, income, race-ethnic, region); and (e) the politics, economy, and international position of Japan.

Coreq: Concurrent or prior completion of a course on East Asia or an East Asian language, or consent of instructor.

SOCIOLOGY 351/551 SOCIAL STRATIFICATION AND SOCIAL INEQUALITY (GROUP 2 COURSE) 3 u

An analysis of the causes, consequences, and remedies of inequalities in power, income, wealth, authority, ethnic and social status.

Prereq: 3 units in sociology or consent of instructor.

SOCIOLOGY 352 URBAN SOCIOLOGY (GROUP 1 COURSE) 3 u

A study to acquaint the student with historical development of urban centers, the increasing societal dominance of urbanism, the aspects of urbanism that constitute societal problems as well as societal contributions, and new urban trends such as suburbanism and urban renewal.

Prereq: 3 units of sociology.

SOCIOLOGY 353 SOCIOLOGY OF RELIGION (GROUP 3 COURSE) 3 u

A study of the function and forms of religious groups in primitive and contemporary societies as well as theoretical examination of religion as a basic social institution. (Offered jointly with Religious Studies.)

Prereq: 3 units of sociology. Unreq: RELIGST 353.

SOCIOLOGY 355/555 SOCIAL PSYCHOLOGY (GROUP 1 COURSE) 3 u

An examination of the process and results of human interaction with an emphasis on attitudes and attitude change, society and personality, inter-group relations, and processes of socialization.

Prereq: 3 units of sociology.

SOCIOLOGY 356 POLITICAL SOCIOLOGY (GROUP 3 COURSE) 3 u

An analysis of the impact of social cleavages and cohesions on the operation of political institutions; the composition and behavior of power elites; the social bases of political power; and the social functions of electoral behavior. (Offered jointly with Political Science.)

Prereq: SOCIOLOGY 140 or POLISCI 141. Unreq: POLISCI 356.

SOCIOLOGY 362/562 POPULATION DYNAMICS (GROUP 1 COURSE) 3 u

A study of the development of world population and the social significance of different population sizes and growth rates; emphasis on the social determinants of fertility, mortality and migration.

Prereq: 3 units of sociology.

SOCIOLOGY 365 SOCIOLOGY OF LAW (GROUP 3 COURSE) 3 u

An introduction to the interdependence of law and society through an analysis of legal concepts and organization from a sociological view.

Prereq: 3 units of sociology.

SOCIOLOGY 367 ARCHAEOLOGY OF WOMEN 3 u

This course presents theory, methods and case studies examining the role of women in human societies from our earliest origins through the beginning of the modern period. The dominant discipline in this inquiry is archaeological anthropology, but relevant material from sociology, biology, history and other fields will also be covered. No previous knowledge of any one field is expected, but exposure to the social sciences is desirable. My goal for this course is that you will leave with a better understanding of the role of women in past human societies, envision some of the trajectories that have led to contemporary social formations and be able to envision how the past, present and future are connected.

Prereq: Sophomore standing

- SOCIOLGY 370/570 JUVENILE DELINQUENCY (GROUP 4 COURSE)** 3 u
A study of the incidence of delinquency, theories and findings regarding causation, and the policies designed for treatment and prevention of delinquency.
Prereq: SOCIOLGY 276 or consent of instructor.
- SOCIOLGY 371 SOCIOLOGY OF HOMICIDE** 3 u
This course will provide an in-depth look at homicide as a social and legal category and at the social psychological variables that affect it. Various types of homicide will be examined in American society and in a global context. Forensic issues will be addressed along with political and social issues.
Prereq: Sociolgy 276
- SOCIOLGY 372/572 WHITE-COLLAR CRIME (GROUP 4 COURSE)** 3 u
An examination of the patterns, causes, costs, and strategies of controlling non-traditional crime committed by persons of respectability and high social status. Topics covered include: occupational crime and employee theft, the mafia and criminal syndicates, corporate crime, and governmental crime. Particular attention is given to the origin and control of criminal behavior that helps organizations achieve their operational goals.
Prereq: SOCIOLGY 276 or consent of instructor.
- SOCIOLGY 374 SOCIOLOGY OF POLICE AND THE COURTS (GROUP 4 COURSE)** 3 u
A sociological analysis of the development and behavior of the police, lawyers, prosecutors, and judiciary in society and their role in social control.
Prereq: SOCIOLGY 276 or consent of instructor.
- SOCIOLGY 378 SOCIOLOGY OF PUNISHMENT AND CORRECTIONS (GROUP 4 COURSE)** 3 u
The critical analysis of probation, parole, halfway houses, jails, and prisons. Their origins in and possible function for the larger society will also be examined. Field trip is required.
Prereq: SOCIOLGY 276 or consent of instructor.
- SOCIOLGY 379 WOMEN AND CRIME** 3 u
This course examines the frequency and nature of female offending; the frequently blurred boundaries of female victimization and criminalization; the role of criminal law, police, and courts in the processing of female offenders; and the role of "correctional" institutions, prisons, and contemporary alternatives in the punishment of female offenders.
Prereq: WOMENST 100 or SOCIOLGY 276
- SOCIOLGY 380/580 ORGANIZATIONS AND SOCIETY (GROUP 1 COURSE)** 3 u
An examination of the growth and role of organizations in society with specific attention to American society.
Prereq: 3 units of sociology.
- SOCIOLGY 385 SOCIOLOGY OF GLOBALIZATION (GROUP 1 COURSE)** 3 u
A survey course designed to critically examine the sociological theories of change. Also examines contemporary empirical developments and their relevance for social policy. Illustrations will be drawn from work done in the developing countries.
Prereq: 3 units of sociology.
- SOCIOLGY 388/588 THE HOLOCAUST: NAZI GERMANY & THE GENOCIDE OF THE JEWS (GROUP 2 COURSE)** 3 u
This course will examine the origins, implementation, and legacies of the Nazi Holocaust against the Jews. It is intended to help students gain an appreciation of the importance of the Holocaust to the Jewish experience, while understanding that other groups also were victimized. (Offered jointly with religious studies).
Prereq: 3 units of sociology, history, or religious studies. Unreq: RELIGST 388/588.
- SOCIOLGY 391 RACE AND ETHNICITY IN COMPARATIVE PERSPECTIVE (GROUP 2 COURSE)** 3 u *Diversity*
An examination of the circumstances under which racial and ethnic groups received privileged or disadvantaged social locations. Particular consideration is given to theories of racial and ethnic inequality and the processes that form the structures of differential and unequal relations in society. A cross-national comparison of the social construction of race and ethnicity will provide additional context for understanding patterns and theories of race and ethnic relations.
Prereq: Completion of university diversity requirement
- SOCIOLGY 392 AFRICAN AMERICAN FAMILIES (GROUP 3 COURSE)** 3 u *Diversity*
This course will survey the historical development of the African-American Family from Africa to modern times. Significant events (e.g., the slave trade, slavery, and migration) will be scrutinized in order to ascertain their role in shaping the contemporary Black Family life. Other important social and economic forces will be illuminated to assess their impact. The latest body of literature models, paradigms, hypotheses, and statistical findings will be critically examined to enhance understanding of modern day Black Family premarital and marital relations, adaptive patterns, and dislocations. (Offered jointly with African-American Studies.)
Prereq: 3 units of sociology or 3 units of African American studies.
- SOCIOLGY 455/655 SOCIOLOGY OF THE FAMILY (GROUP 3 COURSE)** 3 u
An analysis of the family as a social institution with emphasis on its development, characteristics, and condition in a rapidly changing social milieu.
Prereq: 6 units in sociology including SOCIOLGY 301 or consent of instructor.
- SOCIOLGY 465/665 EXTRAORDINARY GROUPS: THE SOCIOLOGY OF INTENTIONAL COMMUNITIES (GROUP 1 COURSE)** 3 u
This course is a sociological analysis of a selection of unique groups in our society that illustrate tremendous range of subcultural diversity. The groups studied are chosen for three reasons: they illustrate major sociological principles in concrete form, they are diverse, and they are interesting.
Prereq: 6 units in sociology including SOCIOLGY 301 or consent of instructor.
- SOCIOLGY 473/673 SOCIAL THEORY: CLASSICAL AND CONTEMPORARY PERSPECTIVES** 3 u
An examination of classical and contemporary social thought. The connections between early major European and contemporary U.S. and international theorists will be emphasized to analyze key areas of sociological inquiry. The course will map important theoretical camps in sociology as well as conduct analysis of contemporary and historical issues using social theory.
Prereq: 6 units in sociology including SOCIOLGY 301 or consent of instructor
- SOCIOLGY 474 CLASSICAL SOCIOLOGICAL THEORY** 3 u
An examination of the ideas and theories of the major classical sociologists, both European and American, the collective thrust of whose works is largely a critique of capitalism and the effects of the industrial revolution upon traditional social structure.
Prereq: 6 units in sociology including SOCIOLGY 301 or consent of instructor.
- SOCIOLGY 475/675 CONTEMPORARY SOCIOLOGICAL THEORY** 3 u
An advanced approach to the study of contemporary sociological theory, giving emphasis to the major assumptions, concepts, propositions, and methodology of the main perspective.
Prereq: 6 units in sociology including SOCIOLGY 301 or consent of instructor.

SOCIOLOGY 476/676 METHODS OF SOCIAL RESEARCH 3 u

To acquaint the student with research methods in sociology and the social sciences; the foundation of sociology in science; the role of theory in research; construction of the research design; sampling, data gathering techniques, and analysis and interpretation of data.

Prereq: 6 units in sociology including SOCIOLOGY 301 or consent of instructor.

SOCIOLOGY 478 SOCIOLOGY IN PRACTICE 3 u

This course will examine the ways in which sociology can be applied in both academic and non-academic settings and the various alternative careers open to sociology students. Special attention will be given to the ethical issues involved in sociological research and practice and to the impact of sociology and sociologists upon the decision making process in both the public and private sectors. This course is required for Sociology majors who are planning to take the Applied Sociology SOCIOLOGY 493.

Prereq: 6 units in sociology including SOCIOLOGY 301 or consent of instructor.

SOCIOLOGY 490/690 WORKSHOP Repeatable. 1-6 u

Prereq: Consent of instructor.

SOCIOLOGY 491 TRAVEL STUDY Repeatable 1-3 u**SOCIOLOGY 493 APPLIED SOCIOLOGY 1-12 u**

This course involves a supervised internship in a public or private organization. Through on campus seminars and written assignments on the intern experience, students learn how sociology can be applied to solve social problems. Repeatable for up to 12 units.

Prereq: Restricted to Sociology majors, or Criminal Justice or Family and Health Studies, or Sociology minors, and junior or senior standing. SOCIOLOGY 478.

SOCIOLOGY 494/694 SEMINAR IN SOCIOLOGY 3 u

Repeatable. Prereq: Consent of instructor.

SOCIOLOGY 496/696 SPECIAL STUDIES 1-3 u

Repeatable. Prereq: 6 units in sociology or consent of instructor.

SOCIOLOGY 497 EXCHANGE STUDY Repeatable 1-12 u**SOCIOLOGY 498 INDEPENDENT STUDY 1-3 u**

Open to majors and minors in sociology. Repeatable. Prereq: Junior or senior standing and staff approval.

SOCIOLOGY 499 SENIOR HONORS 1-3 u

Provides opportunity for selected students to work with special topics in the field of sociology under the direction of one or more members of the staff.

Prereq: Senior standing and invitation of the staff.

ANTHROPOLOGY

Faculty: Professors Sharon W. Tiffany, Walter W. Tiffany.

Students with a wide variety of academic backgrounds and vocational interests find that elective courses in anthropology make a valuable contribution to their university experience. Anthropology is the study of humanity, past and present, in both simple and complex societies. Archeologists reconstruct vanished civilizations from their material remains. Physical anthropologists tell the story of human evolution and biological variation in modern populations. Cultural and social anthropologists study cultures throughout the world in order to understand recurrent regularities in human behavior. Economic systems, political and legal institutions, religious behavior, family organization, child rearing practices and the formation of personality are all elements of culture studied by anthropologists.

COURSE DESCRIPTIONS**ANTHROPL 218 CULTURAL ANTHROPOLOGY GS 3 u**

Varieties of human cultures past and present throughout the world, emphasizing the comparative study of social systems.

ANTHROPL 220 TOMBS, TEMPLES & BURIED TREASURE: INTRODUCTION TO ARCHAEOLOGY 3 u

This course introduces students to the basic work of archaeology. It aims to dispel popular myths about the field perpetuated by the popular media. In place of those myths it presents methods of archaeological research and the discoveries such research has produced. These discoveries reveal the 4 million year history of humans and their ancestors before the invention of written records.

Prereq: GENED 130

ANTHROPL 324 PEOPLES AND CULTURES OF THE PACIFIC GS 3 u

Survey of the prehistory and contemporary cultures of Pacific Island societies: Polynesia, Micronesia, Melanesia, Island South East Asia, and Australia. Area topics vary.

Prereq: Individual and Society or Global Perspectives or junior standing.

ANTHROPL 334/534 WOMEN IN CROSS-CULTURAL PERSPECTIVE GS 3 u

Anthropological approaches to the cross-cultural study of gender relations with emphasis on societies of the non-Western world. Topics vary.

Prereq: Individual and Society or Global Perspectives or sophomore standing.

ANTHROPL 367 ARCHAEOLOGY OF WOMEN 3 u

This course presents theory, methods and case studies examining the role of women in human societies from our earliest origins through the beginning of the modern period. The dominant discipline in this inquiry is archaeological anthropology, but relevant material from sociology, biology, history and other fields will also be covered. No previous knowledge of any one field is expected, but exposure to the social sciences is desirable. My goal for this course is that you will leave with a better understanding of the role of women in past human societies, envision some of the trajectories that have led to contemporary social formations and be able to envision how the past, present and future are connected.

Prereq: Sophomore standing

ANTHROPL 490 ANTHROPOLOGY WORKSHOP 1-6 u

Repeatable. Prereq: Consent of instructor.

ANTHROPL 494/694 ANTHROPOLOGY SEMINAR Repeatable 3 u**ANTHROPL 496/696 SPECIAL STUDIES IN ANTHROPOLOGY 3 u**

Repeatable. Prereq: 6 units in anthropology or consent of instructor.

ANTHROPL 497 EXCHANGE STUDY Repeatable 1-12 u**ANTHROPL 498 INDEPENDENT STUDY IN ANTHROPOLOGY 1-3 u**

Repeatable. Prereq: Jr or sr st and cons instr.

CRIMINAL JUSTICE**COURSE DESCRIPTIONS****CRIMJUS 321 CRIMINAL INVESTIGATION 3 u**

This course examines the fundamentals of basic investigative responsibilities including investigating violent crimes and crimes against property. Challenges to the criminal investigator are also studied.

Prereq: SOCIOLOGY 276

CRIMJUS 325 FORENSIC DOCUMENTATION 3 u

This is an advanced course for students who wish to explore the area of recovery and identification of human skeletal remains. This class is offered as an introduction to the field of Forensic Science. It also provides us with opportunity to see an application of scientific knowledge to jurisprudence. A detailed look into the events surrounding death will be examined. Since we will deal directly with the human body, some prior knowledge of the human body will be helpful although we will cover this material in class. Prereq: BIOLOGY 225 or consent of instructor

CRIMJUS 329 INVESTIGATION OF DEATH 3 u

This course examines the fundamentals of the investigation of human death. A recommended "system" of death investigation is presented and students will, as a primary objective, conduct an "actual" death investigation from start to finish.

Prereq: SOCIOLOGY 276 and one of the following: CRIMJUS 496 or 321 or 325

CRIMJUS 425 ADVANCED FORENSIC ANTHROPOLOGY: BIOARCHAEOLOGY, TRAUMA & PATHOLOGY 3 u

The course is a practicum in forensic anthropology. Students will gain an understanding of osteology, trauma and pathology as it relates to interpretation of human remains. The effect of culture on the human skeleton will be shown using examples from archaeology. Students will survey, inventory, a mock crime scene. The will produce a forensic report and present it in a mock court situation.

Prereq: CRIMJUS 325

DEPARTMENT OF WOMEN'S STUDIES

Phone: 262-472-1042

Faculty: Rebecca Hogan, Karen Kirst-Ashman, Mary Emery, Christa Lebens, Nikki Mandell, Geneva Moore, Andrea Musher, Star Olderman, Joan Schwarz, Patricia Searles, Lauren Smith, Edie Thornton, Sharon Tiffany, Alison Townsend, Janet Wright, Zohreh Ghavamshahidi (Chairperson).

Women's Studies is an interdisciplinary area that explores new knowledge about women--their experiences, roles, achievements--and investigates issues related to their lives. Assessing past and current theories and research about women, Women's Studies also contributes theoretical and practical knowledge for both female and male students. It provides a valuable interdisciplinary perspective on the major academic disciplines as well. The Women's Studies Major is a valuable asset in many areas of employment (e.g., business, industry, teaching, law, health, social work, communications, counseling and research). The Women's Studies Minor and a 15-UNIT certificate in Woman's Studies have been approved for students in all curricula. The Women's Studies minor or certificate is useful in many areas of employment (e.g., business, industry, teaching, social work, law, health, communications, research and counseling).

Women's Studies courses are required of majors and minors, but are open to students in all curricula, some as general studies courses, some as general electives. New courses with a focus on women are being developed, and existing courses are being offered on a rotating basis. Students should obtain the most recent lists from the Women's Studies Chairperson.

MAJOR**WOMEN'S STUDIES (BA/BS)**

MAJOR - 33 UNITS

1. WOMENST 100
2. WOMENST 489

3. SELECT 3 UNITS FROM COURSES
WOMENST 370, ANTHROPL 334, ANTHROPL 494, ANTHROPL 496 AND ENGLISH 368
4. WOMENST 360 OR SOCIOLOGY 410 OR ANTHROPL 496 OR ANTHROPL 494
5. WOMENST 280 OR PHILSPHY 390
6. SELECT 3 UNITS FROM COURSES
WOMENST 303, ARTHIST 305, ENGLISH 264, ENGLISH 368, ENGLISH 463, ENGLISH 464, HISTRY 313, HISTRY 314, HISTRY 326, PHILSPHY 390, RELIGST 330, AND SPEECH 326
7. SELECT 3 UNITS FROM COURSES
WOMENST 240, WOMENST 250, WOMENST 350, WOMENST 380, WOMENST 392, ANTHROPL 334, ANTHROPL 494, ANTHROPL 496, POLISCI 315, POLISCI 464, PSYCH 202, SOCIOLOGY 345, SOCIOLOGY 379, SOCIOLOGY 410, AND SOCWORK 341
8. SELECT 6 UNITS FROM COURSES
WOMENST 303, WOMENST 320, WOMENST 350, WOMENST 360, WOMENST 370, WOMENST 380, WOMENST 392, WOMENST 490, WOMENST 493, WOMENST 496 AND WOMENST 498
9. SELECT 6 UNITS FROM APPROVED WOMEN'S STUDIES COURSES APPROVED BY AN ADVISER

WRITING PROFICIENCY - 3 UNITS

1. WOMENST 489

AN APPROVED MINOR IS REQUIRED FOR THIS MAJOR

MINOR**WOMEN'S STUDIES**

MINOR - 21 UNITS

1. WOMENST 100
2. WOMENST 489
3. WOMENST 280 OR PHILSPHY 390
4. SELECT 3 UNITS FROM COURSES
WOMENST 240, WOMENST 250, WOMENST 350, WOMENST 380, WOMENST 392, ANTHROPL 334, ANTHROPL 494 (WOMEN AND SOCIAL CHANGE), POLISCI 315, PSYCH 202, SOCWORK 341, SOCIOLOGY 345 AND SOCIOLOGY 410
5. SELECT 9 UNITS FROM APPROVED WOMEN'S STUDIES COURSES APPROVED BY AN ADVISER

Certificate requirements: 15 units in courses approved for the Women's Studies Minor; at least six of these units must be in courses with the WOMENST prefix.

COURSE DESCRIPTIONS**WOMENST 100 INTRODUCTION TO WOMEN STUDIES GE 3 u**

An investigation of women's experience from the perspective of various disciplines. The course examines the ways gender interacts with ethnicity, race, class and sexuality and explores contemporary and historical issues related to women's lives. Included are such subjects as health and body image, violence against women, and women's achievements.

WOMENST 240 WOMEN AND WORK GE 3 u

This course focuses on the recent successes as well as the problems women face in the work force. It provides an overview of the changing nature of work in the United States and of the history of women from diverse

groups and backgrounds.

Prereq: Sophomore standing or consent of instructor.

WOMENST 250 WOMEN IN AMERICAN CULTURE GE 3 u

This course is a study of women's contributions and their representation in such areas of American culture as literature, art, crafts, music, film, letters and diaries--from the mid-Nineteenth Century to contemporary times. Students will also explore how the dominant ideas and images of American culture interact with the real lives of diverse groups of women.

Prereq: Sophomore standing or consent of instructor.

WOMENST 280 FEMINIST THEORIES 3 u

An introduction to historical and contemporary feminist theories, with emphasis on critical reading and analysis of original works by major feminist writers.

Prereq: WOMENST 100 and sophomore standing.

WOMENST 303/503 WOMEN'S VOICES/WOMEN'S LIVES 3 u

A study of the lives of women in different ages and cultures. Women's roles in society as revealed in diaries, autobiography and biography are explored.

Prereq: Sophomore standing.

WOMENST 320/520 LESBIAN STUDIES 3 u

This course will introduce students to an array of interdisciplinary texts that present issues relevant to perceiving lesbian lives. Readings will include legal, scientific, and philosophic theory, studies by social scientists and historians, multicultural perspectives and literary works. There will be four units; 1) Defining our Terms, 2) Idea(l)s of Community, 3) Life-Cycle Choices, 4) Research on Current Issues.

Prereq: Completion of Introduction to Women's Studies (WOMENST 100) and sophomore standing.

WOMENST 345 WOMEN IN MUSIC 3 u

A survey of women musicians in Western European art music and twentieth-century popular musical styles. Historical, cultural, and philosophical issues surrounding the contributions of female performers, composers, conductors, patrons, teachers, musicologists, and other musical professions will be explored, as well as the portrayal of women in opera, musical theater, and music videos.

Prereq: GENED 110

WOMENST 350/550 STAGES AND TRANSITIONS IN WOMEN'S LIVES 3 u

A study of identity issues that women may face in their adult lives, including specific transitions such as entering and/or leaving relationships; work patterns; parenting; caregiving; coping with loss; retirement; and facing the challenges of aging.

Prereq: Sophomore standing.

WOMENST 360/560 WOMEN, SCIENCE, AND SOCIETY 3 u

Historical survey of women's contributions to science; case studies of modern women scientists; feminism and scientific knowledge.

Prereq: Junior standing or WOMENST 100.

WOMENST 370/570 WOMEN: RACE AND ETHNICITY GE/Diversity 3 u

This course will provide an examination of Native American, African American, Hispanic, and Asian American women in the broad areas of work, family/community relationships, creativity, and social action.

Prereq: Junior standing or WOMENST 100.

WOMENST 380/580 GENDER AND THE LAW GE 3 u

A study of legal, social, and moral issues related to gender, such as the definition of sexual difference, inequality in the workplace, lesbian and gay rights. How those issues have been handled historically and normatively

within the legal system will be investigated.

Prereq: Junior standing or consent of instructor.

WOMENST 392/592 WOMEN AND VIOLENCE 3 u

This course will analyze causes and effects of violence against women, forces and conditions that lead women to perpetrate violence, treatment of women as both victims and perpetrators by the criminal justice system, and strategies for ending violence.

Prereq: WOMENST 100 or SOCIOLOGY 345.

WOMENST 464/664 WOMEN IN INTERNATIONAL RELATIONS 3 u

This course is designed to provide students with the opportunity to study and analyze international relations from a multi-disciplinary perspective. It will examine current understandings of the causes, processes and structures of international relations, violent conflict, as well as resolution of those conflicts and peace within the context of Feminist theories. The goal is to examine the role of women in international relations, international security, conflict and peace through different approaches to the study of conflict and how it is understood. The course will consider both the strength and limitations of various disciplinary approaches.

The traditional approaches to international relations, international security, international conflict and peace reflect viewpoints consistent with masculine perspectives on power and security. The goal is to consider how the limitations of the approaches can be effectively challenged and what alternatives might be offered. Themes for discussion will include gender, race, ethnicity, nationalism, state, community, conflict and peace.

Prereq: Three units of political science or three units of women's studies.

WOMENST 489 ADVANCED SEMINAR IN WOMEN'S STUDIES 3 u

An intensive, integrative study of selected issues in Women's Studies, emphasizing critical thinking and research techniques. A substantial research paper is required.

Prereq: WOMENST 100 and either WOMENST 280 or PHILSPHY 390.

WOMENST 490/690 WORKSHOP IN WOMEN'S STUDIES 1-6 u

Repeatable. Prereq: Consent of instructor.

WOMENST 493 INTERNSHIP IN WOMEN'S STUDIES 3 u

Work and study with an agency or institution related to women's issues. Students working under faculty supervision will combine academic learning with practical experience.

Prereq: 12 units in courses approved for the Women's Studies Minor and approval of Women's Studies Internship Committee.

WOMENST 496/696 SPECIAL STUDIES 1-4 u

Repeatable. Prereq: Consent of instructor.

WOMENST 497 EXCHANGE STUDY Repeatable 1-12 u

WOMENST 498 INDEPENDENT STUDY 1-3 u

Repeatable. Prereq: Cons instr and 6 units from the approved course list or approval of the Women's Studies Chairperson.

APPROVED COURSES IN OTHER DEPARTMENTS:

ART	GA	ARTHIST 305/505 History of Women in Art	3 u
SPCH		SPEECH 326/526 Communication and Gender	3 u
ENGL	GH	ENGLISH 264 Women in Literature: A Feminist Re-evaluation	3 u
ENGL	GH	ENGLISH 368/568 American Minority Women	3 u

		Writers (<i>Diversity</i>)	
ENGL		ENGLISH 463/663 Nineteenth Century Women Writers	3 u
ENGL		ENGLISH 464/664 Twentieth Century Women Writers	3 u
HIST	GH	HISTORY 313 Women in American History 1600-1875	3 u
HIST	GH	HISTORY 314 Women in American History 1875- Present	3 u
HIST		HISTORY 326/526 History of Contemporary Women from 1800	3 u
PHIL		PHILSPHY 390/590 Feminist Philosophy	3 u
RELG	GH	RELIGST 330 Women and Religion	3 u
PSCI		POLISCI 315/515 Women and Politics	3 u
PSYCH	GS	PSYCH 202 Psychology of Women	3 u
SOCW		SOCWORK 341/541 Sexuality for Professional Growth	3 u
SOC		SOCIOLOGY 345 Sociology of Gender Roles	3 u
SOC		SOCIOLOGY 410/610 Sociology of Health and Illness	3 u
SOC		SOCIOLOGY 379/579 Women and Crime	3 u
ANTH	GS	ANTHROPL 334/534 Women in Cross-Cultural Perspective	3 u
ANTH		ANTHROPL 494/694 Seminar: Selected Topics in Gender Issues	3 u
ANTH		ANTHROPL 494/694 Seminar: Women and Social Change	3 u
ANTH		ANTHROPL 496/696 Special Study: Women and the Life Cycle	3 u

Special Studies, workshops, internships, and seminars having a specific focus on women may be approved for a single term. For more information consult the current schedule of classes.

INTERDISCIPLINARY

CORE COURSES

GENED 110 WORLD OF THE ARTS *GA* **3 u**
This course exposes students to the areas of Dance, Music, Theatre, and Visual Art. Students will gain insight into the basic components of the arts, the role of art in society, and be given an historical perspective on art. Students will attend performing arts events and see work in the gallery context. Both western and non-western arts will be explored. May not be taken on an S/NC grade basis.
Unreq: ACINDP 105.

GENED 120 THE UNITED STATES EXPERIENCE *GH* **3 u**
IN A WORLD CONTEXT

This course examines the development of the United States, its peoples, cultures, values, and institutions, in a global context of comparative history focusing on the changing role of the U.S. in the world. Drawing from 18th and 19th century backgrounds, the course will primarily consider 20th century developments. May not be taken on a S/NC grade basis.
Unreq: HISTORY 105.

GENED 130 INDIVIDUAL AND SOCIETY *GS* **3 u**
This course critically examines how people influence and are affected by their social worlds from the perspectives of anthropology, psychology, sociology and women's studies. The course focuses on how we experience life as individuals and as members of cultural systems that shape our personalities, behavior, and perceptions of the world. May not be taken on an S/NC grade basis.
Unreq: PSYCH 105, SOCIOLOGY 105, WOMENST 105 and ANTHROPL 105.

GENED 140 GLOBAL PERSPECTIVES *GS* **3 u**
This course introduces students to key terms, concepts, issues and relationships in economics, geography and political science. The course investigates how increasing globalization impacts issues such as the authority and competence of the nation-state, population growth and migration, economic development and trade and patterns of international cooperation and conflict. May not be taken on an S/NC grade basis.
Unreq: ECON 105, GEOGRPY 105, POLISCI 105.

GENED 291 GENERAL EDUCATION TRAVEL STUDY 1-3 u
This course gives students an opportunity to experience first hand important social, cultural and historical aspects of American and other cultures through travel and study in this country and abroad. Specific itineraries and fees will be published in the Schedule of Classes each term. Course is repeatable with change of itinerary up to 4 times and a maximum of 6 units toward degree; a maximum of 3 units may be counted in the General Education elective category. Offered on an S/NC grade basis only.

GENED 390 THE WORLD OF IDEAS *GH* **3 u**
This course examines themes and issues that have had a significant impact upon the world's civilizations. Readings will focus on primary texts representing major historical periods, world cultures, and diverse perspectives. This course will stress critical and analytical thought, drawing upon knowledge obtained in this and earlier core courses. May not be taken on an S/NC grade basis.
Prereq: ENGLISH 101 and ENGLISH 102, junior standing, and completion of all other required core courses. Unreq: LSINDP 390.

GENED 496 SPECIAL STUDIES *Repeatable* **1-3 u**

GENED 498 INDEPENDENT STUDY *Repeatable* **1-4 u**

DEVELOPMENTAL EDUCATION

Phone: 262-472-3223

E-Mail: developed@umm.edu

The Developmental Education Unit consists of courses in Mathematics, English, Study/Academic Survival Skills, and Reading. The courses are designed to assist incoming students with the skills necessary for success at the university. The courses are small in size, offer individualized attention and provide additional assistance from tutors and/or the Learning Center.

DEVLPEP 050 STUDY/ACADEMIC SURVIVAL SKILLS **3 u**
Examination of effective learning strategies and study behaviors and their application. Emphasis is upon developing a recognition of necessary academic survival skills, their application on an individual basis, and establishing a repertoire of metacognitive techniques. This course does not count toward the 120 hours required for graduation.

DEVLPEP 060 COLLEGE READING **3 u**
The course includes analysis of college-level textbooks and research articles. The course also includes comprehension and comprehension monitoring strategies, vocabulary development and efficient reading strategies. This course does not count toward the 120 hours required for graduation.

DEVLPEP 080 PASS WORKSHOP **3 u**
(Partnership for Achieving Student Success)
Weekly workshop sessions will help students to develop critical thinking, reading and writing skills, as well as enable them to identify immediate and long-range academic and personal goals, to gain a better understanding of their rights and responsibilities as students and citizens, to learn about and practice effective time and stress management techniques, to acquaint them with various available student support services, and to establish sound relationships with both the instructor/academic advisor of the workshop and their other UWW instructors.
Prereq: The target group of students for this workshop will be second term

freshmen who earned a 1.0 or below during their first term. Any upper division student who has been reinstated by the College of Letters and Sciences after a successful appeal to the Academic Standards Committee will also have the option of enrolling in this workshop.

DEPARTMENT SPECIFIC DEVELOPMENTAL COURSES

ENGLISH 090 FUNDAMENTALS OF ENGLISH 3 u

A course for students whose reading and writing skills need improvement through study of basic grammar and rhetoric before they attempt other English courses. This course does count toward the term unit load and will be computed into the grade point average. It does not count toward the 120 units required for graduation, nor does it fulfill General Studies requirements, nor may it be counted toward the English major or minor. It may be taken for a conventional grade or on a satisfactory/no credit basis. It may not be taken by students who are simultaneously taking or have satisfactorily completed another English course on this campus.

ENGLISH 091 BASIC WRITING SKILLS 2 u

Offered on a satisfactory/no credit basis only. A workshop offering individualized instruction to students in need of improvement in basic writing skills. This course does not count toward the 120 hours required for graduation. Repeatable.

MATH 040 PRE-ALGEBRA 3 u

A course for students who need a review of mathematics or who lack the computational skills required for Basic Algebra. Topics include fractions, decimals, ratios, and exponents with emphasis on practical applications. This course does count toward the term unit load and will be computed into the grade point average. It does not count toward the 120 units required for graduation, nor does it fulfill General Studies requirements, nor may it be counted toward the Math major or minor. It may be taken for a conventional grade or on a satisfactory/no credit basis. Students may not take this course for credit if they place into, are enrolled in or have already received credit for a higher-numbered Math course.

MATH 041 BEGINNING ALGEBRA 3 u

A course for those who have a sound background in basic arithmetic, but who have not been exposed to algebra, or who need to strengthen their basic algebra skills. Topics include properties of the real numbers, linear equations, linear inequalities, exponents, polynomials, rational expressions, the straight line, and systems of linear equations. The course counts towards the term unit load and will be computed into the grade point average. It will not, however, be included in the units necessary for graduation. It may be taken for a conventional grade or on a satisfactory/no credit basis. Students may not take this course for credit if they place into, are enrolled in or have already received credit for a higher-numbered Math course.

Prereq: MATH 040 or equivalent demonstration of capability.

GENERAL

INTRAUNV 244 CONSUMERS AND CULTURE GI 3 u

The history of consumption and its associated values, the study of subcultures and their buying behaviors, and the effect of consumer activism on the ways that business operates will comprise the major topics of the course. Discussion, writing, and research will help students make the material relevant to their own lives.

Prereq: ENGLISH 102 and GENED 140.

INTRAUNV 246 BUSINESS ETHICS GI 3 u

A critical examination and discussion of ethical issues and problems which arise within all areas of business. Topics such as the morality of capitalism, ethics in the marketplace, business and the environment, and the ethics of job discrimination will be considered.

INTRAUNIVERSITY

INTRAUNV 104 NEW STUDENT SEMINAR GI 1 u

This course is designed to help facilitate a positive adjustment to the first year of college through the development of both written and oral communication skills, critical thinking skills, and group presentation skills. Students will explore the purposes of higher education and its potential outcomes; develop skills of social interaction, self-awareness, and personal development through team projects and class presentations, attendance at university events, and programs promoting an appreciation of diversity; review the university's resources, policies, and procedures; investigate personal interests and strengths while setting academic and personal goals; and learn effective skills to help them cope with the world around them.

Prereq: Open to Freshmen Only.

INTRAUNV 494 SEMINAR 1-3 u

An advanced level undergraduate seminar that offers broad opportunities for study of university-wide issues with small group discussion. Repeatable for a maximum of 6 units.

Prereq: Junior standing or consent of instructor.

UW CENTERS COURSE EQUIVALENCY TABLE

TRANSFER COLLEGE COURSE EQUIVALENCY TABLE UW-WHITEWATER UNIVERSITY OF WISCONSIN - COLLEGES

Equivalency Table for Students Transferring from the University of Wisconsin Colleges to the University of Wisconsin-Whitewater

*Admissions Office
University of Wisconsin-Whitewater
Revised, August, 1999*

The equivalency table is updated each year due to course changes. To be equated to a UW-W course, the corresponding course at the previous college must be taken for at least 2/3 of the number of semester units assigned to the UW-W course. Department numbers followed by 999 (ex. ARTSTDIO 999) represent departmental elective credit. Courses identified as 'NDC' represent no degree credit. Certain 'NDC' courses will satisfy UW-W remedial course requirements. Please consult the Office of Admissions for specific information.

Certain UW-W courses in the equivalency table have been approved to fulfill part of the General Education and Diversity requirements. General Education courses are identified by the following designations: A (arts), E (ethnic studies), H (humanities), L (lab science), M (math-science), P (physical education), S (social science). Courses satisfying the UW-W Diversity requirement appear under the Diversity column (DIV) and are identified by the 'Y' designation. Please read the section on General Education and Diversity in the UW-W Catalog before selecting courses to fulfill these requirements.

The first digit of the UW-W course number indicates the level of the course: 1-freshman, 2-sophomore, 3-junior, 4-senior. Courses designated as humanities (H) at UW-W are foreign language, history, literature, philosophy, religious studies, and speech. The social science subjects (S) are anthropology, economics, geography courses (except 210), political science, psychology, sociology and speech. Subjects identified as arts (A) are art, art history, music, theatre and dance.

NOTE: A student who holds an Associate of Arts, Associate of Science or Associate of Arts and Science Degree from a UW College is considered to have fulfilled the Proficiency, General Education and core course requirements at UW-Whitewater. The Associate of Art and Science conferred after Fall 1991 satisfies the UW-W diversity requirement as well.

After a student has accumulated 72 units, a minimum of 48 units must be earned at UW-Whitewater and/or other accredited four-year colleges.

Students planning to attend a University of Wisconsin College before transferring to UW-Whitewater are encouraged to utilize the Transfer Information System (TIS) which is usually located in the UW-College's Student Services Office. When using the equivalency table, please contact the UW-W Office of Admissions for equivalencies with an * under the footnote column. The * represents additional information which may affect the listed equivalency.

Transfer Course	UW-W Course	GS/DIV	Cred	Dept	Footnotes
ANT 100	ANTHROPL 110	S	3.0	ANTH	*
ANT 102	ANTHROPL 999	S	3.0	ANTH	
ANT 105	ANTHROPL 999	M	3.0	ANTH	*
ANT 200	ANTHROPL 218	S	3.0	ANTH	
ANT 204	ANTHROPL 218	S	3.0	ANTH	*
ANT 222	ANTHROPL 999	S	3.0	ANTH	
ANT 250	ANTHROPL 334	S	3.0	ANTH	
ANT 260	ANTHROPL 999		3.0	ANTH	
ANT 291	ANTHROPL 999		3.0	ANTH	*
ANT 299	ANTHROPL 999		1.0	ANTH	*
ANT 300	ANTHROPL 999	S	3.0	ANTH	
ANT 301	ANTHROPL 999	H	3.0	ANTH	*
ANT 302	ANTHROPL 999	S	3.0	ANTH	*
ANT 303	ANTHROPL 999	M	3.0	ANTH	
ANT 308	ANTHROPL 999		3.0	ANTH	*
ANT 314	ANTHROPL 999	E	Y 3.0	ANTH	
ANT 322	ANTHROPL 999	S	3.0	ANTH	*
ANT 325	ANTHROPL 999	S	3.0	ANTH	*
ANT 341	ANTHROPL 999	S	4.0	ANTH	
ANT 343	ANTHROPL 228	S	3.0	ANTH	*
ANT 350	ANTHROPL 999		3.0	ANTH	
ANT 351	ANTHROPL 999		3.0	ANTH	*
ANT 353	ANTHROPL 999	E	Y 3.0	ANTH	*
ART 100	ARTSTDIO 121	A	3.0	ART	
ART 101	ARTSTDIO 201	A	3.0	ART	
ART 102	ARTSTDIO 202		3.0	ART	
ART 103	ARTSTDIO 999		3.0	ART	
ART 104	ARTSTDIO 201	A	1.0	ART	*
ART 105	ARTSTDIO 201	A	2.0	ART	*
ART 106	ARTSTDIO 202	A	1.0	ART	*
ART 107	ARTSTDIO 202	A	2.0	ART	*
ART 108	ARTSTDIO 999		1.0	ART	
ART 109	ARTSTDIO 999		2.0	ART	
ART 110	ARTHIST 111	A	3.0	ART	
ART 111	ARTSTDIO 102	A	3.0	ART	
ART 112	ARTSTDIO 103	A	3.0	ART	
ART 113	ARTSTDIO 999		3.0	ART	
ART 114	ARTSTDIO 103	A	1.0	ART	*
ART 115	ARTSTDIO 103	A	2.0	ART	*
ART 121	ARTSTDIO 321	A	3.0	ART	
ART 122	ARTSTDIO 999	A	3.0	ART	
ART 125	ARTSTDIO 999	A	3.0	ART	
ART 127	ARTHIST 999	A	3.0	ART	
ART 131	ARTSTDIO 341	A	3.0	ART	
ART 133	ARTSTDIO 341		1.0	ART	*
ART 134	ARTSTDIO 341		2.0	ART	*
ART 141	ARTSTDIO 999	A	3.0	ART	
ART 154	ARTSTDIO 251	A	3.0	ART	
ART 161	ARTSTDIO 311	A	3.0	ART	
ART 170	ARTSTDIO 999	A	3.0	ART	
ART 172	ARTSTDIO 999		3.0	ART	
ART 175	ARTHIST 111	A	3.0	ART	
ART 180	ARTHIST 111	A	3.0	ART	
ART 181	ARTHIST 201	A	3.0	ART	
ART 183	ARTHIST 202	A	3.0	ART	
ART 185	ARTHIST 999	A	3.0	ART	
ART 187	ARTHIST 999	A	3.0	ART	
ART 188	ARTHIST 999	A	3.0	ART	
ART 201	ARTSTDIO 303	A	3.0	ART	
ART 202	ARTSTDIO 303	A	3.0	ART	
ART 209	ARTSTDIO 303		1.0	ART	*
ART 210	ARTSTDIO 303		2.0	ART	*
ART 222	ARTSTDIO 999	A	3.0	ART	
ART 225	ARTSTDIO 999	A	3.0	ART	
ART 231	ARTSTDIO 342	A	3.0	ART	
ART 232	ARTSTDIO 343	A	3.0	ART	
ART 235	ARTSTDIO 342		1.0	ART	*
ART 236	ARTSTDIO 342		2.0	ART	*
ART 237	ARTSTDIO 343		1.0	ART	*
ART 238	ARTSTDIO 343		2.0	ART	*
ART 241	ARTSTDIO 999	A	3.0	ART	
ART 243	ARTSTDIO 331	A	3.0	ART	
ART 245	ARTSTDIO 333	A	3.0	ART	
ART 247	ARTSTDIO 999	A	3.0	ART	
ART 254	ARTSTDIO 352	A	3.0	ART	
ART 255	ARTSTDIO 999	A	3.0	ART	
ART 261	ARTSTDIO 999	A	3.0	ART	

Transfer Course	UWW Course	GS/DIV	Cred	Dept	Footnotes	Transfer Course	UWW Course	GS/DIV	Cred	Dept	Footnotes
ART 272	ARTSTDIO 999		3.0	ART		CPS 101	COMPSCI 999		1.0	CPSC	
ART 291	ARTSTDIO 999		1.0	ART	*	CPS 103	COMPSCI 999		1.0	CPSC	*
ART 299	ARTSTDIO 999		1.0	ART	*	CPS 104	COMPSCI 999		1.0	CPSC	*
AST 100	ASTRONMY 114	L	4.0	ASTR	*	CPS 105	COMPSCI 999	M	1.0	CPSC	*
AST 101	ASTRONMY 999		1.0	ASTR		CPS 106	COMPSCI 999	M	1.0	CPSC	*
AST 200	ASTRONMY 112	L	4.0	ASTR		CPS 107	COMPSCI 999		1.0	CPSC	*
AST 291	ASTRONMY 999		1.0	ASTR	*	CPS 108	COMPSCI 999		1.0	CPSC	*
BAC 101	BIOLOGY 999	L	4.0	BIOL	*	CPS 110	COMPSCI 999	M	3.0	CPSC	
BAC 299	BIOLOGY 999		1.0	BIOL	*	CPS 111	COMPSCI 999		3.0	CPSC	
BAC 303	BIOLOGY 999	L	3.0	BIOL		CPS 113	COMPSCI 171	M	3.0	CPSC	
BAC 304	BIOLOGY 999	L	2.0	BIOL		CPS 120	COMPSCI 999		3.0	CPSC	
BIO 107	BIOLOGY 214	M	3.0	BIOL		CPS 130	COMPSCI 999	M	2.0	CPSC	
BIO 109	BIOLOGY 120	L	5.0	BIOL		CPS 131	COMPSCI 999	M	1.0	CPSC	
BIO 116	BIOLOGY 999	M	2.0	BIOL		CPS 133	COMPSCI 171	M	2.0	CPSC	
BIO 151	BIOLOGY 120	L	5.0	BIOL	*	CPS 210	COMPSCI 999		3.0	CPSC	
BIO 152	BIOLOGY 999	L	5.0	BIOL	*	CPS 211	COMPSCI 999	M	3.0	CPSC	
BIO 160	BIOLOGY 999	M	3.0	BIOL		CPS 213	COMPSCI 171	M	3.0	CPSC	
BIO 230	BIOLOGY 999	I	3.0	BIOL		CPS 216	MCS 999	M	3.0	MCS	
BIO 250	BIOLOGY 999	L	4.0	BIOL		CPS 231	COMPSCI 999	M	2.0	CPSC	
BIO 260	BIOLOGY 999	M	3.0	BIOL		CPS 240	COMPSCI 999		3.0	CPSC	
BOT 100	BIOLOGY 999	L	3.0	BIOL		CPS 241	COMPSCI 999		3.0	CPSC	
BOT 130	BIOLOGY 141	L	5.0	BIOL	*	CPS 243	COMPSCI 171	M	3.0	CPSC	
BOT 160	BIOLOGY 999		3.0	BIOL		CPS 250	COMPSCI 999		2.0	CPSC	*
BOT 202	BIOLOGY 999		3.0	BIOL		CPS 251	COMPSCI 999		2.0	CPSC	*
BOT 231	BIOLOGY 141	L	4.0	BIOL	*	CPS 252	COMPSCI 999		2.0	CPSC	*
BOT 240	BIOLOGY 999	M	2.0	BIOL		CPS 253	COMPSCI 171	M	2.0	CPSC	*
BOT 291	BIOLOGY 999		1.0	BIOL	*	CPS 254	COMPSCI 999		2.0	CPSC	*
BOT 299	BIOLOGY 999		1.0	BIOL	*	CPS 255	COMPSCI 999		2.0	CPSC	*
BUS 101	ITBE 141		2.0	B ED	*	CPS 256	COMPSCI 999		3.0	CPSC	
BUS 110	ITBE 999		2.0	B ED	*	CPS 260	COMPSCI 999		2.0	CPSC	*
BUS 194	ITBE 999		2.0	B ED		CPS 270	COMPSCI 999		3.0	CPSC	
BUS 201	ACCOUNT 244		4.0	ACTG		CPS 291	COMPSCI 999		1.0	CPSC	*
BUS 202	ACCOUNT 341		4.0	ACTG		CPS 299	COMPSCI 999		1.0	CPSC	*
BUS 204	ACCOUNT 249		3.0	ACTG		ECO 101	ECON 999	S	3.0	ECON	*
BUS 210	BSEDCNA 353		2.0	B ED	*	ECO 203	ECON 211	S	3.0	ECON	*
BUS 243	ECON 245		3.0	ECON		ECO 204	ECON 212	S	3.0	ECON	*
BUS 278	MISC 999		3.0	MISC		ECO 230	ECON 354		3.0	ECON	*
BUS 297	MISC 999		1.0	MISC	*	ECO 243	ECON 245		3.0	ECON	*
BUS 299	MISC 999		1.0	MISC	*	ECO 250	ECON 999		3.0	ECON	*
CHE 100	000-000				*	ECO 297	ECON 999		1.0	ECON	*
CHE 112	CHEM 999		2.0	CHEM		ECO 299	ECON 999		1.0	ECON	*
CHE 123	CHEM 999	M	3.0	CHEM		EDU 100	CIFLD 210E		1.0	C&I	*
CHE 124	CHEM 100	L	4.0	CHEM	*	EDU 200	CIFLD 210F		2.0	C&I	*
CHE 125	CHEM 100	L	5.0	CHEM	*	EDU 201	CIFLD 210E		3.0	C&I	*
CHE 145	CHEM 102	L	5.0	CHEM		EDU 201	CIFLD 210F		3.0	C&I	*
CHE 155	CHEM 104	L	5.0	CHEM		EDU 201	SPECFLD 210E		3.0	SPED	*
CHE 203	CHEM 999		3.0	CHEM		EDU 201	SPECFLD 210F		3.0	SPED	*
CHE 211	CHEM 999		1.0	CHEM		EDU 283	EARLYCHD 361		3.0	C&I	*
CHE 214	CHEM 999		3.0	CHEM		EDU 300	SPECED 205		3.0	SPED	*
CHE 244	CHEM 352		4.0	CHEM		EDU 330	EDFOUND 212		3.0	EDFD	*
CHE 290	CHEM 999		1.0	CHEM	*	EGR 100	MISC 999		1.0	MISC	
CHE 299	CHEM 999		1.0	CHEM	*	EGR 106	MISC 999		3.0	MISC	
CHE 343	CHEM 251		3.0	CHEM	*	ENG 095	ENGLISH 090		3.0	ENGL	
CHE 352	CHEM 261		2.0	CHEM	*	ENG 096	ENGLISH 090		3.0	ENGL	
CHE 363	CHEM 252		3.0	CHEM		ENG 097	ENGLISH 090		3.0	ENGL	
COM 100	JOURNLISM 999		1.0	JOUR		ENG 098	ENGLISH 090		3.0	ENGL	
COM 101	SPEECH 228		3.0	SPCH	*	ENG 099	000-000				*
COM 102	SPEECH 999		1.0	SPCH		ENG 101	ENGLISH 101		3.0	ENGL	*
COM 103	SPEECH 110		3.0	SPCH	*	ENG 102	ENGLISH 102		3.0	ENGL	
COM 103 E	SPEECH 110		3.0	SPCH	*	ENG 102 E	ENGLISH 102	Y	3.0	ENGL	
COM 104	JOURNLISM 999	Y	1.0	JOUR		ENG 201	ENGLISH 999		3.0	ENGL	*
COM 105	SPEECH 230		1.0	SPCH		ENG 202	ENGLISH 999	H	3.0	ENGL	
COM 106	SPEECH 231		1.0	SPCH		ENG 203	ENGLISH 274	H	3.0	ENGL	
COM 110	SPEECH 999	H	2.0	SPCH	*	ENG 204	ENGLISH 999	H	3.0	ENGL	
COM 130	THEATRE 100	A	3.0	THTR		ENG 206	ENGLISH 372		3.0	ENGL	
COM 131	THEATRE 200	A	1.0	THTR		ENG 210	BSEDCNA 353		2.0	B ED	*
COM 150	SPEECH 236	A	3.0	SPCH		ENG 220	ENGLISH 999	H	3.0	ENGL	
COM 160	SPEECH 999	S	3.0	SPCH		ENG 250	ENGLISH 999	H	3.0	ENGL	
COM 201	SPEECH 131	S	3.0	SPCH		ENG 251	ENGLISH 999	H	3.0	ENGL	
COM 202	JOURNLISM 999	S	3.0	JOUR		ENG 253	ENGLISH 999	H	3.0	ENGL	
COM 203	JOURNLISM 243	H	3.0	JOUR		ENG 255	ENGLISH 999	H	3.0	ENGL	
COM 204	JOURNLISM 244	H	3.0	JOUR		ENG 260	ENGLISH 206	H	3.0	ENGL	
COM 220	SPEECH 999	H	3.0	SPCH		ENG 261	ENGLISH 216	H	3.0	ENGL	
COM 221	SPEECH 999	H	3.0	SPCH		ENG 262	ENGLISH 999	H	3.0	ENGL	
COM 230	SPEECH 356	H	3.0	SPCH		ENG 263	ENGLISH 999	H	3.0	ENGL	
COM 232	THEATRE 120	A	3.0	THTR		ENG 264	ENGLISH 999	H	3.0	ENGL	
COM 234	THEATRE 204	A	3.0	THTR		ENG 265	ENGLISH 999	H	3.0	ENGL	
COM 266	SPEECH 242	H	3.0	SPCH		ENG 266	ENGLISH 999	H	3.0	ENGL	
COM 268	SPEECH 345	H	3.0	SPCH		ENG 267	ENGLISH 999	H	3.0	ENGL	
COM 298	THEATRE 999		1.0	THTR	*	ENG 268	ENGLISH 999	H	3.0	ENGL	
COM 299	MISC 999		1.0	MISC	*	ENG 26	ENGLISH 999	H	Y	3.0	ENGL
COM 348	THEATRE 999		3.0	THTR		ENG 270	ENGLISH 999	H	3.0	ENGL	
COM 349	THEATRE 999		3.0	THTR		ENG 272	ENGLISH 999	H	3.0	ENGL	
CPS 100	COMPSCI 999	M	1.0	CPSC	*	ENG 273	ENGLISH 999	H	Y	3.0	ENGL

Transfer Course		UWW Course	GS/DIV	Cred	Dept	Footnotes	Transfer Course		UWW Course	GS/DIV	Cred	Dept	Footnotes
ENG 274		ENGLISH 999	H	3.0	ENGL		GER 207		GERMAN 252	H	2.0	GERM	*
ENG 275		ENGLISH 999	H	Y 3.0	ENGL		GER 215		GERMAN 999		1.0	GERM	*
ENG 276		ENGLISH 999	H	3.0	ENGL		GER 216		GERMAN 999		1.0	GERM	*
ENG 277		ENGLISH 999		3.0	ENGL		GER 221		GERMAN 331	H	3.0	GERM	*
ENG 278		ENGLISH 999	H	Y 3.0	ENGL		GER 222		GERMAN 332	H	3.0	GERM	
ENG 279		ENGLISH 264	H	3.0	ENGL		GER 223		GERMAN 331	H	3.0	GERM	*
ENG 280		ENGLISH 999	H	3.0	ENGL		GER 225		GERMAN 321	H	3.0	GERM	
ENG 290		ENGLISH 999		1.0	ENGL	*	GER 226		GERMAN 322	H	3.0	GERM	
ENG 298		ENGLISH 999		3.0	ENGL		GER 276		ENGLISH 999	H	3.0	ENGL	
ENG 299		ENGLISH 999		1.0	ENGL	*	GER 277		ENGLISH 999	H	2.0	ENGL	*
ENG 351		ENGLISH 999	H	3.0	ENGL		GER 291		GERMAN 999		2.0	GERM	*
ENG 353		ENGLISH 999	H	3.0	ENGL		GER 299		GERMAN 999		1.0	GERM	*
ENG 355		ENGLISH 999	H	3.0	ENGL		GLG 100		GEOLOGY 999	M	3.0	GEOG	
ENG 370		ENGLISH 999	H	3.0	ENGL		GLG 101		GEOLOGY 100	L	4.0	GEOG	*
ENG 380		ENGLISH 999	H	3.0	ENGL		GLG 102		GEOLOGY 204	M	4.0	GEOG	*
FOR 120		BIOLOGY 999		3.0	BIOL		GLG 104		GEOLOGY 999	M	3.0	GEOG	*
FRE 101		FRENCH 141	H	4.0	FREN		GLG 107		GEOGRPY 275		3.0	GEOG	*
FRE 102		FRENCH 142	H	4.0	FREN		GLG 130		GEOLOGY 999		3.0	GEOG	
FRE 103		FRENCH 141	H	2.0	FREN	*	GLG 131		GEOLOGY 999		3.0	GEOG	
FRE 104		FRENCH 141	H	2.0	FREN	*	GLG 135		GEOLOGY 999		3.0	GEOG	
FRE 105		FRENCH 142	H	4.0	FREN		GLG 169		GEOLOGY 999	L	4.0	GEOG	
FRE 106		FRENCH 142	H	2.0	FREN	*	GLG 291		GEOLOGY 999		1.0	GEOG	*
FRE 107		FRENCH 142	H	2.0	FREN	*	GLG 297		GEOLOGY 999		1.0	GEOG	*
FRE 118		FRENCH 999	H	1.0	FREN	*	GLG 299		GEOLOGY 999		1.0	GEOG	*
FRE 119		FRENCH 999	H	1.0	FREN	*	GLG 301		GEOLOGY 999		4.0	GEOG	
FRE 201		FRENCH 251	H	4.0	FREN		GLG 302		GEOLOGY 999		4.0	GEOG	
FRE 202		FRENCH 252	H	4.0	FREN		GLG 306		GEOLOGY 999		2.0	GEOG	
FRE 203		FRENCH 251	H	2.0	FREN	*	GLG 309		GEOLOGY 999		3.0	GEOG	
FRE 204		FRENCH 251	H	2.0	FREN	*	GLG 314		GEOLOGY 999	M	3.0	GEOG	
FRE 205		FRENCH 252	H	4.0	FREN		GLG 343		GEOLOGY 999	M	3.0	GEOG	
FRE 206		FRENCH 252	H	2.0	FREN	*	GLG 350		GEOLOGY 999	M	3.0	GEOG	
FRE 207		FRENCH 252	H	2.0	FREN	*	GRA 102		MATH 999		3.0	MATH	
FRE 215		FRENCH 999	H	1.0	FREN	*	GRA 113		MATH 999		3.0	MATH	
FRE 216		FRENCH 999	H	1.0	FREN	*	HIS 101		HISTORY 124	H	3.0	HIST	*
FRE 219		FRENCH 999	H	3.0	FREN		HIS 102		GENED 120	H	3.0	HIST	*
FRE 221		FRENCH 331	H	3.0	FREN		HIS 104		GENED 120	H	3.0	INTR	
FRE 222		FRENCH 332	H	3.0	FREN	*	HIS 105		HISTORY 154	H	3.0	HIST	*
FRE 223		FRENCH 332	H	3.0	FREN	*	HIS 106		HISTORY 155	H	3.0	HIST	*
FRE 225		FRENCH 321	H	3.0	FREN		HIS 111		HISTORY 999	H	3.0	HIST	*
FRE 226		FRENCH 322	H	3.0	FREN		HIS 112		HISTORY 999	H	3.0	HIST	*
FRE 276		ENGLISH 999	H	3.0	ENGL		HIS 114		HISTORY 999	H	3.0	HIST	
FRE 277		ENGLISH 999	H	2.0	ENGL	*	HIS 115		HISTORY 999	H	3.0	HIST	*
FRE 291		FRENCH 999		2.0	FREN	*	HIS 117		HISTORY 999		3.0	HIST	
FRE 299		FRENCH 999		1.0	FREN	*	HIS 118		HISTORY 999	S	2.0	HIST	*
GEO 101		GEOGRPY 111	S	3.0	GEOG	*	HIS 119		HISTORY 999	H	3.0	HIST	*
GEO 102		GEOGRPY 999	S	Y 3.0	GEOG		HIS 120		HISTORY 155	H	3.0	HIST	*
GEO 104		GEOGRPY 999	M	3.0	GEOG	*	HIS 123		HISTORY 999	H	3.0	HIST	*
GEO 107		GEOGRPY 275	M	3.0	GEOG	*	HIS 124		HISTORY 999	H	3.0	HIST	*
GEO 110		GENED 140	S	3.0	INTR		HIS 126		HISTORY 999	H	2.0	HIST	*
GEO 115		GEOGRPY 999	S	3.0	GEOG		HIS 127		HISTORY 999	H	3.0	HIST	*
GEO 120		GEOGRPY 210	L	4.0	GEOG	*	HIS 150		HISTORY 999	S	3.0	HIST	
GEO 121		GEOGRPY 999	M	2.0	GEOG		HIS 160		HISTORY 999		3.0	HIST	
GEO 123		GEOGRPY 210	L	4.0	GEOG	*	HIS 161		HISTORY 999	H	3.0	HIST	
GEO 124		GEOGRPY 210	L	4.0	GEOG	*	HIS 162		HISTORY 999	H	3.0	HIST	
GEO 125		GEOGRPY 999	M	3.0	GEOG		HIS 183		HISTORY 999		3.0	HIST	
GEO 130		GEOGRPY 252	S	3.0	GEOG	*	HIS 198		HISTORY 999		2.0	HIST	*
GEO 200		GEOGRPY 999	S	3.0	GEOG		HIS 211		HISTORY 999	H	3.0	HIST	
GEO 277		GEOGRPY 999	S	3.0	GEOG		HIS 213		HISTORY 999	H	3.0	HIST	
GEO 291		GEOGRPY 999		1.0	GEOG	*	HIS 215		HISTORY 999		3.0	HIST	
GEO 297		GEOGRPY 999		1.0	GEOG	*	HIS 216		HISTORY 381		3.0	HIST	
GEO 299		GEOGRPY 999		1.0	GEOG	*	HIS 219		HISTORY 999	H	3.0	HIST	
GEO 300		GEOGRPY 999	S	3.0	GEOG	*	HIS 222		HISTORY 999	H	3.0	HIST	
GEO 324		GEOGRPY 999	S	3.0	GEOG	*	HIS 240		HISTORY 999	H	3.0	HIST	
GEO 341		GEOGRPY 261	S	3.0	GEOG	*	HIS 254		HISTORY 999	H	3.0	HIST	
GEO 342		GEOGRPY 250	S	3.0	GEOG	*	HIS 255		HISTORY 999		3.0	HIST	*
GEO 347		GEOGRPY 365	S	3.0	GEOG		HIS 256		HISTORY 999		1.0	HIST	*
GEO 348		GEOGRPY 363	S	3.0	GEOG		HIS 257		HISTORY 999	H	3.0	HIST	
GEO 349		GEOGRPY 999	S	3.0	GEOG	*	HIS 259		HISTORY 999	H	3.0	HIST	
GEO 350		GEOGRPY 999	S	3.0	GEOG		HIS 260		HISTORY 999	H	3.0	HIST	
GER 101		GERMAN 141	H	4.0	GERM		HIS 270		HISTORY 999	H	3.0	HIST	
GER 102		GERMAN 142	H	4.0	GERM		HIS 273		HISTORY 999	H	3.0	HIST	
GER 103		GERMAN 141	H	2.0	GERM	*	HIS 274		HISTORY 999	H	3.0	HIST	
GER 104		GERMAN 141	H	2.0	GERM	*	HIS 278		HISTORY 999	H	Y 3.0	HIST	
GER 105		GERMAN 142	H	4.0	GERM		HIS 280		HISTORY 999	H	3.0	HIST	
GER 106		GERMAN 142	H	2.0	GERM	*	HIS 283		HISTORY 999	H	3.0	HIST	
GER 107		GERMAN 142	H	2.0	GERM	*	HIS 285		HISTORY 306	H	3.0	HIST	
GER 118		GERMAN 999		1.0	GERM	*	HIS 286		HISTORY 307	H	3.0	HIST	
GER 119		GERMAN 999		1.0	GERM	*	HIS 288		HISTORY 999	H	3.0	HIST	
GER 201		GERMAN 251	H	4.0	GERM		HIS 289		HISTORY 300	H	3.0	HIST	
GER 202		GERMAN 252	H	4.0	GERM		HIS 290		HISTORY 311	H	3.0	HIST	
GER 203		GERMAN 251	H	2.0	GERM	*	HIS 293		HISTORY 304	H	3.0	HIST	
GER 204		GERMAN 251	H	2.0	GERM	*	HIS 297		HISTORY 999	H	3.0	HIST	
GER 205		GERMAN 252	H	4.0	GERM		HIS 299		HISTORY 999		1.0	HIST	*
GER 206		GERMAN 252	H	2.0	GERM	*	INT 100		MISC 999		1.0	MISC	*
							INT 101		MISC 999		3.0	MISC	

Transfer Course		UWW Course	GS/DIV	Cred	Dept	Footnotes	Transfer Course		UWW Course	GS/DIV	Cred	Dept	Footnotes
INT 105		MISC 999		2.0	MISC	*	MUA 024		MUSC 999		1.0	MUSC	*
INT 210		MISC 999	I	3.0	MISC		MUA 02		MUSC 999		1.0	MUSC	*
INT 230		MISC 999	I	3.0	MISC		MUA 026		MUSC 999		1.0	MUSC	*
INT 231		MISC 999	E	3.0	MISC		MUA 027		MUSC 999		1.0	MUSC	*
INT 290		MISC 999		1.0	MISC	*	MUA 028		MUSC 999		1.0	MUSC	*
LEA 0000		000-000				*	MUA 029		MUSC 999		1.0	MUSC	*
LEC 100		MISC 999		1.0	MISC	*	MUA 030		MUSC 999		1.0	MUSC	*
LEC 101		MISC 999		1.0	MISC	*	MUA 031		MUSC 999		1.0	MUSC	*
LEC 102		LIBMEDIA 999		1.0	EDFD	*	MUA 032		MUSC 999		1.0	MUSC	*
LEC 105		MISC 999		2.0	MISC	*	MUA 033		MUSC 999		1.0	MUSC	*
LEC 290		MISC 999		1.0	MISC	*	MUA 034		MUSC 999		1.0	MUSC	*
MAT 081		000-000				*	MUA 035		MUSC 999		1.0	MUSC	*
MAT 085		000-000				*	MUA 036		MUSC 999		1.0	MUSC	*
MAT 086		000-000				*	MUA 037		MUSC 999		1.0	MUSC	*
MAT 087		000-000				*	MUA 038		MUSC 999		1.0	MUSC	*
MAT 090		MATH 040		2.0	MATH	*	MUA 039		MUSC 999		1.0	MUSC	*
MAT 091		MATH 041		3.0	MATH		MUA 040		MUSC 999		1.0	MUSC	*
MAT 092		MATH 040		3.0	MATH		MUA 041		MUSC 999		1.0	MUSC	*
MAT 093		MATH 040		3.0	MATH		MUA 042		MUSC 999		1.0	MUSC	*
MAT 094		MATH 040		3.0	MATH		MUA 043		MUSC 999		1.0	MUSC	*
MAT 095		MATH 041		3.0	MATH		MUA 044		MUSC 999		1.0	MUSC	*
MAT 096		MATH 041		3.0	MATH		MUA 045		MUSC 999		1.0	MUSC	*
MAT 097		MATH 041		3.0	MATH		MUA 046		MUSC 999		1.0	MUSC	*
MAT 105		MATH 141		3.0	MATH	*	MUA 047		MUSC 999		1.0	MUSC	*
MAT 108		MATH 140		3.0	MATH		MUA 048		MUSC 999		1.0	MUSC	*
MAT 110		MATH 141		3.0	MATH	*	MUA 049		MUSC 999		1.0	MUSC	*
MAT 112		MATH 141		3.0	MATH		MUA 050		MUSC 999		1.0	MUSC	*
MAT 113		MATH 999	M	2.0	MATH	*	MUA 051		MUSC 999		1.0	MUSC	*
MAT 117		ECON 245		3.0	ECON	*	MUA 052		MUSC 999		1.0	MUSC	*
MAT 117		MATH 230		3.0	MATH	*	MUA 053		MUSC 999		1.0	MUSC	*
MAT 117		PSYCH 215		3.0	PSYC	*	MUA 054		MUSC 999		1.0	MUSC	*
MAT 124		MATH 152	M	5.0	MATH		MUA 055		MUSC 999		1.0	MUSC	*
MAT 130		MATH 111	M	4.0	MATH		MUA 056		MUSC 999		1.0	MUSC	*
MAT 132		MATH 999		4.0	MATH		MUA 057		MUSC 999		1.0	MUSC	*
MAT 140		MATH 140		3.0	MATH		MUA 058		MUSC 999		1.0	MUSC	*
MAT 210		MATH 143	M	3.0	MATH	*	MUA 059		MUSC 999		1.0	MUSC	*
MAT 211		MATH 250	M	4.0	MATH	*	MUA 060		MUSC 999		1.0	MUSC	*
MAT 212		MATH 143	M	3.0	MATH	*	MUA 061		MUSC 999		1.0	MUSC	*
MAT 220		MATH 999		1.0	MATH		MUA 062		MUSC 999		1.0	MUSC	*
MAT 221		MATH 253	M	5.0	MATH		MUA 063		MUSC 999		1.0	MUSC	*
MAT 222		MATH 254	M	5.0	MATH		MUA 064		MUSC 999		1.0	MUSC	*
MAT 223		MATH 255	M	4.0	MATH	*	MUA 065		MUSC 999		1.0	MUSC	*
MAT 224		MATH 999	M	4.0	MATH		MUA 066		MUSC 999		1.0	MUSC	*
MAT 230		MATH 280	M	3.0	MATH		MUA 067		MUSC 999		1.0	MUSC	*
MAT 240		MATH 231	M	3.0	MATH	*	MUA 068		MUSC 999		1.0	MUSC	*
MAT 240		PSYCH 215	M	3.0	PSYC	*	MUA 069		MUSC 999		1.0	MUSC	*
MAT 262		MATH 355	M	3.0	MATH		MUA 070		MUSC 999		1.0	MUSC	*
MAT 271		MATH 361	M	3.0	MATH		MUA 093		MUSC 999		1.0	MUSC	*
MAT 272		MATH 999	M	1.0	MATH		MUA 094		MUSC 999		1.0	MUSC	*
MAT 290		MATH 999		1.0	MATH	*	MUA 103		MUSC 999		2.0	MUSC	*
MAT 299		MATH 999		1.0	MATH	*	MUA 104		MUSC 999		2.0	MUSC	*
MEC 201		PHYSICS 280		3.0	PHYS		MUA 105		MUSC 999		2.0	MUSC	*
MEC 202		PHYSICS 282		3.0	PHYS		MUA 106		MUSC 999		2.0	MUSC	*
MEC 203		PHYSICS 999		3.0	PHYS		MUA 109		MUSC 999		2.0	MUSC	*
MLG 100		GEOGRPY 999	M	2.0	GEOG	*	MUA 110		MUSC 999		2.0	MUSC	*
MLS 101		LDRSHP 999		1.0	LDMS		MUA 113		MUSC 999		2.0	MUSC	*
MLS 205		LDRSHP 999		2.0	LDMS		MUA 114		MUSC 999		2.0	MUSC	*
MLS 213		PEPROF 281		2.0	HPRC	*	MUA 116		MUSC 999		2.0	MUSC	*
MLS 251		LDRSHP 999		2.0	LDMS		MUA 117		MUSC 999		2.0	MUSC	*
MLS 302		LDRSHP 999		3.0	LDMS		MUA 119		MUSC 999		2.0	MUSC	*
MLS 303		LDRSHP 999		3.0	LDMS		MUA 120		MUSC 999		2.0	MUSC	*
MUA 001		MUSC 999		1.0	MUSC	*	MUA 122		MUSC 999		2.0	MUSC	*
MUA 002		MUSC 999		1.0	MUSC	*	MUA 123		MUSC 999		2.0	MUSC	*
MUA 003		MUSC 999		1.0	MUSC	*	MUA 125		MUSC 999		2.0	MUSC	*
MUA 004		MUSC 999		1.0	MUSC	*	MUA 126		MUSC 999		2.0	MUSC	*
MUA 005		MUSC 999		1.0	MUSC	*	MUA 128		MUSC 999		2.0	MUSC	*
MUA 006		MUSC 999		1.0	MUSC	*	MUA 129		MUSC 999		2.0	MUSC	*
MUA 007		MUSC 999		1.0	MUSC	*	MUA 131		MUSC 999		2.0	MUSC	*
MUA 008		MUSC 999		1.0	MUSC	*	MUA 132		MUSC 999		2.0	MUSC	*
MUA 009		MUSC 999		1.0	MUSC	*	MUA 134		MUSC 999		2.0	MUSC	*
MUA 010		MUSC 999		1.0	MUSC	*	MUA 135		MUSC 999		2.0	MUSC	*
MUA 011		MUSC 999		1.0	MUSC	*	MUA 137		MUSC 999		2.0	MUSC	*
MUA 012		MUSC 999		1.0	MUSC	*	MUA 138		MUSC 999		2.0	MUSC	*
MUA 013		MUSC 999		1.0	MUSC	*	MUA 140		MUSC 999		2.0	MUSC	*
MUA 014		MUSC 999		1.0	MUSC	*	MUA 141		MUSC 999		2.0	MUSC	*
MUA 015		MUSC 999		1.0	MUSC	*	MUA 143		MUSC 999		2.0	MUSC	*
MUA 016		MUSC 999		1.0	MUSC	*	MUA 144		MUSC 999		2.0	MUSC	*
MUA 017		MUSC 999		1.0	MUSC	*	MUA 146		MUSC 999		2.0	MUSC	*
MUA 018		MUSC 999		1.0	MUSC	*	MUA 147		MUSC 999		2.0	MUSC	*
MUA 019		MUSC 999		1.0	MUSC	*	MUA 149		MUSC 999		2.0	MUSC	*
MUA 020		MUSC 999		1.0	MUSC	*	MUA 150		MUSC 999		2.0	MUSC	*
MUA 021		MUSC 999		1.0	MUSC	*	MUA 152		MUSC 999		2.0	MUSC	*
MUA 022		MUSC 999		1.0	MUSC	*	MUA 153		MUSC 999		2.0	MUSC	*
MUA 023		MUSC 999		1.0	MUSC	*	MUA 155		MUSC 999		2.0	MUSC	*
							MUA 156		MUSC 999		2.0	MUSC	*

Transfer Course	UWW Course	GS/DIV	Cred	Dept	Footnotes	Transfer Course	UWW Course	GS/DIV	Cred	Dept	Footnotes
MUA 158	MUSC 999		2.0	MUSC	*	MUS 272	MUSC 252		3.0	MUSC	*
MUA 159	MUSC 999		2.0	MUSC	*	MUS 272	MUSC 254		2.0	MUSC	*
MUA 161	MUSC 999		2.0	MUSC	*	MUS 273	MUSC 143	A	2.0	MUSC	*
MUA 162	MUSC 999		2.0	MUSC	*	MUS 275	MUSC 245	A	3.0	MUSC	*
MUA 163	MUSC 999		2.0	MUSC	*	MUS 276	MUSC 246	A	3.0	MUSC	*
MUA 164	MUSC 999		2.0	MUSC	*	MUS 280	MUSC 356		2.0	MUSC	*
MUA 169	MUSC 999		2.0	MUSC	*	MUS 281	MUSC 356		2.0	MUSC	*
MUA 170	MUSC 999		2.0	MUSC	*	MUS 295	MUSC 999		1.0	MUSC	*
MUA 203	MUSC 999		2.0	MUSC	*	MUS 299	MUSC 999		1.0	MUSC	*
MUA 204	MUSC 999		2.0	MUSC	*	NAT 170	BIOLOGY 999		1.0	BIOL	
MUA 205	MUSC 999		2.0	MUSC	*	PED 001	PEGNRL 103	P	1.0	HPRC	
MUA 206	MUSC 999		2.0	MUSC	*	PED 002	PEGNRL 104	P	1.0	HPRC	
MUA 209	MUSC 999		2.0	MUSC	*	PED 005	PEGNRL 999	P	1.0	HPRC	
MUA 210	MUSC 999		2.0	MUSC	*	PED 006	PEGNRL 108	P	1.0	HPRC	
MUA 213	MUSC 999		2.0	MUSC	*	PED 007	PEGNRL 109	P	1.0	HPRC	
MUA 214	MUSC 999		2.0	MUSC	*	PED 008	PEGNRL 159	P	1.0	HPRC	
MUA 216	MUSC 999		2.0	MUSC	*	PED 009	PEGNRL 120	P	1.0	HPRC	
MUA 217	MUSC 999		2.0	MUSC	*	PED 010	PEGNRL 121	P	1.0	HPRC	
MUA 219	MUSC 999		2.0	MUSC	*	PED 012	PEGNRL 125	P	1.0	HPRC	
MUA 220	MUSC 999		2.0	MUSC	*	PED 014	PEGNRL 999	P	1.0	HPRC	
MUA 222	MUSC 999		2.0	MUSC	*	PED 016	PEGNRL 160	P	1.0	HPRC	
MUA 223	MUSC 999		2.0	MUSC	*	PED 017	PEGNRL 161	P	1.0	HPRC	
MUA 225	MUSC 999		2.0	MUSC	*	PED 018	PEGNRL 166	P	1.0	HPRC	
MUA 226	MUSC 999		2.0	MUSC	*	PED 019	PEGNRL 167	P	1.0	HPRC	
MUA 228	MUSC 999		2.0	MUSC	*	PED 021	PEGNRL 999	P	1.0	HPRC	
MUA 229	MUSC 999		2.0	MUSC	*	PED 022	PEGNRL 999	P	1.0	HPRC	
MUA 231	MUSC 999		2.0	MUSC	*	PED 024	PEGNRL 106	P	1.0	HPRC	
MUA 232	MUSC 999		2.0	MUSC	*	PED 025	PEGNRL 999	P	1.0	HPRC	
MUA 234	MUSC 999		2.0	MUSC	*	PED 026	PEGNRL 999	P	1.0	HPRC	
MUA 235	MUSC 999		2.0	MUSC	*	PED 027	PEGNRL 111	P	1.0	HPRC	
MUA 237	MUSC 999		2.0	MUSC	*	PED 028	PEGNRL 999	P	1.0	HPRC	
MUA 238	MUSC 999		2.0	MUSC	*	PED 029	PEGNRL 999	P	1.0	HPRC	
MUA 240	MUSC 999		2.0	MUSC	*	PED 030	PEGNRL 999	P	1.0	HPRC	
MUA 241	MUSC 999		2.0	MUSC	*	PED 031	PEGNRL 144	P	1.0	HPRC	
MUA 243	MUSC 999		2.0	MUSC	*	PED 032	PEGNRL 115	P	1.0	HPRC	
MUA 244	MUSC 999		2.0	MUSC	*	PED 033	PEGNRL 999	P	1.0	HPRC	
MUA 246	MUSC 999		2.0	MUSC	*	PED 034	PEGNRL 999	P	1.0	HPRC	
MUA 247	MUSC 999		2.0	MUSC	*	PED 037	PEGNRL 999	P	1.0	HPRC	
MUA 249	MUSC 999		2.0	MUSC	*	PED 038	PEGNRL 999	P	1.0	HPRC	
MUA 252	MUSC 999		2.0	MUSC	*	PED 039	PEGNRL 999	P	1.0	HPRC	
MUA 253	MUSC 999		2.0	MUSC	*	PED 040	PEGNRL 999	P	1.0	HPRC	
MUA 255	MUSC 999		2.0	MUSC	*	PED 041	PEGNRL 999	P	1.0	HPRC	
MUA 256	MUSC 999		2.0	MUSC	*	PED 042	PEGNRL 999	P	1.0	HPRC	
MUA 258	MUSC 999		2.0	MUSC	*	PED 043	PEGNRL 999	P	1.0	HPRC	
MUA 259	MUSC 999		2.0	MUSC	*	PED 044	PEGNRL 999	P	1.0	HPRC	
MUA 261	MUSC 999		2.0	MUSC	*	PED 046	PEGNRL 141	P	1.0	HPRC	
MUA 262	MUSC 999		2.0	MUSC	*	PED 047	PEGNRL 999	P	1.0	HPRC	
MUA 263	MUSC 999		2.0	MUSC	*	PED 048	PEGNRL 186	P	1.0	HPRC	
MUA 264	MUSC 999		2.0	MUSC	*	PED 055	PEGNRL 150	P	1.0	HPRC	
MUA 271	MUSC 999		2.0	MUSC	*	PED 056	PEGNRL 151	P	1.0	HPRC	
MUA 272	MUSC 999		2.0	MUSC	*	PED 058	PEGNRL 157	P	1.0	HPRC	
MUA 299	MUSC 999		1.0	MUSC	*	PED 061	PEGNRL 158	P	1.0	HPRC	
MUA 305	MUSC 999		2.0	MUSC	*	PED 099	PEGNRL 150	P		HPRC	
MUA 306	MUSC 999		2.0	MUSC	*	PED 101	PEPROF 999		1.0	HPRC	
MUS 070	MUSC 162		1.0	MUSC	*	PED 102	PEPROF 172		1.0	HPRC	
MUS 071	MUSC 161		1.0	MUSC	*	PED 104	PEPROF 999		1.0	HPRC	
MUS 072	MUSC 171		1.0	MUSC	*	PED 105	PEPROF 999		1.0	HPRC	
MUS 073	MUSC 999		1.0	MUSC	*	PED 106	PEPROF 999		1.0	HPRC	
MUS 074	MUSC 164		1.0	MUSC	*	PED 107	PEPROF 999		1.0	HPRC	
MUS 075	MUSC 279		1.0	MUSC	*	PED 108	PEPROF 999		1.0	HPRC	
MUS 076	MUSC 269		1.0	MUSC	*	PED 109	PEPROF 999		1.0	HPRC	
MUS 077	MUSC 269		1.0	MUSC	*	PED 110	PEPROF 999		1.0	HPRC	
MUS 078	MUSC 269		1.0	MUSC	*	PED 111	PEPROF 999		1.0	HPRC	
MUS 079	MUSC 269		1.0	MUSC	*	PED 112	PEPROF 999		1.0	HPRC	
MUS 107	MUSC 177		2.0	MUSC	*	PED 113	PEPROF 999		1.0	HPRC	
MUS 115	MUSC 265		2.0	MUSC	*	PED 114	PEPROF 999		1.0	HPRC	
MUS 121	MUSC 999		2.0	MUSC	*	PED 115	PEPROF 174		1.0	HPRC	
MUS 130	MUSC 999		2.0	MUSC	*	PED 116	PEPROF 213		1.0	HPRC	
MUS 131	MUSC 999		2.0	MUSC	*	PED 117	PEPROF 999		1.0	HPRC	
MUS 132	MUSC 999		2.0	MUSC	*	PED 118	PEPROF 999		1.0	HPRC	
MUS 136	MUSC 268		2.0	MUSC	*	PED 121	PEPROF 999		1.0	HPRC	
MUS 145	MUSC 368		2.0	MUSC	*	PED 122	PEPROF 999		1.0	HPRC	
MUS 147	MUSC 999		2.0	MUSC	*	PED 123	PEPROF 999		1.0	HPRC	
MUS 148	MUSC 167		2.0	MUSC	*	PED 124	SFTYGEN 999		1.0	SFTY	
MUS 154	MUSC 267		2.0	MUSC	*	PED 130	COACHING 999		1.0	HPRC	
MUS 160	MUSC 368		2.0	MUSC	*	PED 131	COACHING 999		1.0	HPRC	
MUS 170	MUSC 111		3.0	MUSC	*	PED 132	COACHING 999		1.0	HPRC	
MUS 171	MUSC 151		3.0	MUSC	*	PED 133	COACHING 999		1.0	HPRC	
MUS 171	MUSC 153		2.0	MUSC	*	PED 134	COACHING 999		1.0	HPRC	
MUS 172	MUSC 152		3.0	MUSC	*	PED 135	COACHING 999		1.0	HPRC	
MUS 172	MUSC 154		2.0	MUSC	*	PED 201	PEPROF 212		2.0	HPRC	
MUS 173	MUSC 140		3.0	MUSC	*	PED 202	PEPROF 999		2.0	HPRC	
MUS 174	MUSC 140	A	3.0	MUSC	*	PED 203	RECREATN 999		2.0	HPRC	
MUS 271	MUSC 251	A	3.0	MUSC	*	PED 204	PEPROF 165		2.0	HPRC	
MUS 271	MUSC 253		2.0	MUSC	*	PED 205	COACHING 999		2.0	HPRC	

Transfer Course	UWW Course	GS/DIV	Cred	Dept	Footnotes	Transfer Course	UWW Course	GS/DIV	Cred	Dept	Footnotes	
PED 206	HEALTHED 181		3.0	HPRC		PSY 208	PSYCH 202	S	3.0	PSYC		
PED 207	PEPROF 172		2.0	HPRC		PSY 210	ECON 245	M	3.0	ECON	*	
PED 208	PEPROF 325		2.0	HPRC	*	PSY 210	PSYCH 215	M	3.0	PSYC	*	
PED 208	PEPROF 326		2.0	HPRC	*	PSY 224	PSYCH 999	M	1.0	PSYC		
PED 211	PEPROF 325		2.0	HPRC	*	PSY 225	PSYCH 216	M	5.0	PSYC		
PED 211	PEPROF 326		2.0	HPRC	*	PSY 250	PSYCH 999	S	3.0	PSYC		
PED 212	PEPROF 173		2.0	HPRC		PSY 254	PSYCH 301	S	3.0	PSYC		
PED 213	PEPROF 281		2.0	HPRC	*	PSY 270	PSYCH 999	S	Y	3.0	PSYC	
PED 214	PEPROF 999		2.0	HPRC		PSY 299	PSYCH 999	S		1.0	PSYC	*
PED 215	PEPROF 999		2.0	HPRC		PSY 307	PSYCH 304	S		3.0	PSYC	
PED 216	RECREATN 999		2.0	HPRC		PSY 309	PSYCH 345	S		3.0	PSYC	
PED 217	PEPROF 999		3.0	HPRC		PSY 311	PSYCH 999	S		1.0	PSYC	*
PED 220	PEPROF 251	P	2.0	HPRC		PSY 330	PSYCH 355	S		3.0	PSYC	
PED 291	PEPROF 999		1.0	HPRC	*	PSY 360	EDFOUND 222			3.0	EDFD	*
PED 299	PEPROF 999		1.0	HPRC	*	PSY 360	PSYCH 331			3.0	PSYC	*
PHI 101	PHILSPHY 241	H	3.0	PHIL		PSY 361	PSYCH 332			3.0	PSYC	
PHI 102	PHILSPHY 281	H	3.0	PHIL		PSY 362	PSYCH 999			3.0	PSYC	
PHI 103	PHILSPHY 999	H	3.0	PHIL		SOC 101	SOCIOLOGY 140	S		3.0	SOC	
PHI 106	PHILSPHY 999	H	3.0	PHIL		SOC 120	SOCIOLOGY 252	S		3.0	SOC	
PHI 201	PHILSPHY 999	H	3.0	PHIL		SOC 125	SOCIOLOGY 999	S		3.0	SOC	
PHI 202	PHILSPHY 390	H	3.0	PHIL		SOC 130	SOCIOLOGY 250	S		3.0	SOC	
PHI 203	AMERIND 999	H	Y	3.0	AMIN	SOC 131	SOCIOLOGY 999	S		3.0	SOC	
PHI 210	PHILSPHY 251	H	3.0	PHIL	*	SOC 134	SOCIOLOGY 265	S	Y	3.0	SOC	
PHI 211	PHILSPHY 251	H	3.0	PHIL	*	SOC 138	SOCIOLOGY 999	S		3.0	SOC	
PHI 220	PHILSPHY 291	H	3.0	PHIL		SOC 160	SOCIOLOGY 999	S		3.0	SOC	
PHI 226	PHILSPHY 999	H	3.0	PHIL		SOC 170	SOCIOLOGY 999	S		3.0	SOC	
PHI 230	PHILSPHY 999	I	3.0	PHIL		SOC 246	SOCIOLOGY 999	S		3.0	SOC	
PHI 231	PHILSPHY 999	E	3.0	PHIL		SOC 250	SOCIOLOGY 999	S		3.0	SOC	
PHI 232	PHILSPHY 999	I	3.0	PHIL		SOC 291	SOCIOLOGY 999			1.0	SOC	*
PHI 240	PHILSPHY 999	H	3.0	PHIL		SOC 293	SOCIOLOGY 999			1.0	SOC	*
PHI 241	PHILSPHY 261	H	3.0	PHIL		SOC 299	SOCIOLOGY 999			1.0	SOC	*
PHI 243	INTRAUNV 246	I	3.0	TRDS		SOC 335	SOCIOLOGY 355			3.0	SOC	
PHI 244	PHILSPHY 999	H	3.0	PHIL		SOC 357	SOCIOLOGY 999			3.0	SOC	
PHI 248	PHILSPHY 999	H	3.0	PHIL		SPA 101	SPANISH 141	H		4.0	SPAN	
PHI 253	PHILSPHY 999	H	3.0	PHIL		SPA 102	SPANISH 142	H		4.0	SPAN	
PHI 258	PHILSPHY 999	H	3.0	PHIL		SPA 103	SPANISH 141	H		2.0	SPAN	*
PHI 291	PHILSPHY 999		3.0	PHIL		SPA 104	SPANISH 141	H		2.0	SPAN	*
PHI 299	PHILSPHY 999		1.0	PHIL	*	SPA 105	SPANISH 142	H		4.0	SPAN	
PHS 170	BIOLOGY 360	M	3.0	BIOL		SPA 106	SPANISH 142	H		2.0	SPAN	*
PHS 202	BIOLOGY 999	L	4.0	BIOL	*	SPA 107	SPANISH 142	H		2.0	SPAN	*
PHS 203	BIOLOGY 999	L	4.0	BIOL	*	SPA 118	SPANISH 999			1.0	SPAN	*
PHS 230	BIOLOGY 999		5.0	BIOL		SPA 119	SPANISH 999			1.0	SPAN	*
PHS 235	BIOLOGY 999	L	5.0	BIOL		SPA 201	SPANISH 251	H		4.0	SPAN	
PHY 107	PHYSICS 130	L	4.0	PHYS	*	SPA 202	SPANISH 252	H		4.0	SPAN	
PHY 110	PHYSICS 999	M	3.0	PHYS	*	SPA 203	SPANISH 251	H		2.0	SPAN	*
PHY 120	PHYSICS 130	L	4.0	PHYS	*	SPA 204	SPANISH 251	H		2.0	SPAN	*
PHY 141	PHYSICS 160	L	3.0	PHYS	*	SPA 205	SPANISH 252	H		4.0	SPAN	
PHY 141	PHYSICS 161	L	1.0	PHYS	*	SPA 206	SPANISH 252	H		2.0	SPAN	*
PHY 142	PHYSICS 162	L	3.0	PHYS	*	SPA 207	SPANISH 252	H		2.0	SPAN	*
PHY 142	PHYSICS 163	L	1.0	PHYS	*	SPA 215	SPANISH 999			1.0	SPAN	*
PHY 201	PHYSICS 170	L	3.0	PHYS	*	SPA 216	SPANISH 999			1.0	SPAN	*
PHY 201	PHYSICS 173	L	1.0	PHYS	*	SPA 219	SPANISH 999			3.0	SPAN	
PHY 201	PHYSICS 175	L	1.0	PHYS	*	SPA 221	SPANISH 332	H		3.0	SPAN	
PHY 202	PHYSICS 172	L	3.0	PHYS	*	SPA 222	SPANISH 999	H		3.0	SPAN	
PHY 202	PHYSICS 174	L	2.0	PHYS	*	SPA 225	SPANISH 321	H		3.0	SPAN	
PHY 205	PHYSICS 410		3.0	PHYS		SPA 226	SPANISH 322	H		3.0	SPAN	
PHY 211	PHYSICS 999		4.0	PHYS	*	SPA 235	MISC 999	H		1.0	MISC	*
PHY 212	PHYSICS 999		4.0	PHYS	*	SPA 236	MISC 999	H		3.0	MISC	*
PHY 213	PHYSICS 999		4.0	PHYS	*	SPA 237	CHICANO 201	E	Y	3.0	CHCN	*
PHY 291	PHYSICS 999		1.0	PHYS	*	SPA 277	ENGLISH 999			2.0	ENGL	*
PHY 299	PHYSICS 999		1.0	PHYS	*	SPA 291	SPANISH 999			2.0	SPAN	*
POL 101	POLISCI 999	S	3.0	PSCI		SPA 299	SPANISH 999			1.0	SPAN	*
POL 104	POLISCI 141	S	3.0	PSCI		WIL 140	BIOLOGY 999	M		3.0	BIOL	
POL 106	POLISCI 255	S	3.0	PSCI		WOM 101	WOMENST 100	E		3.0	WNST	
POL 199	POLISCI 247	S	2.0	PSCI	*	WOM 138	WOMENST 999			3.0	WNST	
POL 201	POLISCI 999	S	3.0	PSCI		WOM 202	PHILSPHY 390	H		3.0	PHIL	
POL 204	POLISCI 141	S	3.0	PSCI		WOM 208	WOMENST 999	E		3.0	WNST	
POL 206	POLISCI 999	S	3.0	PSCI		WOM 231	WOMENST 999	E		3.0	WNST	
POL 219	POLISCI 330	S	3.0	PSCI		WOM 250	WOMENST 999	E		3.0	WNST	
POL 220	POLISCI 999	S	3.0	PSCI		WOM 279	ENGLISH 264	H		3.0	ENGL	
POL 221	POLISCI 999	S	3.0	PSCI		WOM 291	WOMENST 999			1.0	WNST	*
POL 225	POLISCI 344	S	3.0	PSCI		WOM 299	WOMENST 999			1.0	WNST	*
POL 231	POLISCI 999	E	3.0	PSCI		ZOO 101	BIOLOGY 142	L		5.0	BIOL	*
POL 235	POLISCI 217	S	Y	3.0	PSCI	ZOO 103	BIOLOGY 214	M		3.0	BIOL	
POL 250	POLISCI 999	S	3.0	PSCI		ZOO 105	BIOLOGY 999	M		3.0	BIOL	
POL 275	POLISCI 351	S	3.0	PSCI		ZOO 140	BIOLOGY 999	M		3.0	BIOL	
POL 298	POLISCI 999		3.0	PSCI	*	ZOO 155	BIOLOGY 230	M		3.0	BIOL	
POL 299	POLISCI 999		1.0	PSCI	*	ZOO 170	BIOLOGY 360	M		3.0	BIOL	
POL 308	POLISCI 318		3.0	PSCI		ZOO 234	BIOLOGY 999	M		3.0	BIOL	
POL 352	POLISCI 999		3.0	PSCI		ZOO 237	BIOLOGY 999	L		4.0	BIOL	
POL 385	POLISCI 999		3.0	PSCI		ZOO 277	BIOLOGY 999	M		3.0	BIOL	
PSY 201	PSYCH 211	S	4.0	PSYC		ZOO 291	BIOLOGY 999			1.0	BIOL	*
PSY 202	PSYCH 211	S	3.0	PSYC		ZOO 299	BIOLOGY 999			1.0	BIOL	*
PSY 203	PSYCH 999		3.0	PSYC		ZOO 315	BIOLOGY 999			2.0	BIOL	
PSY 205	PSYCH 104	S	3.0	PSYC		ZOO 316	BIOLOGY 999			2.0	BIOL	
						ZOO 350	BIOLOGY 999			3.0	BIOL	

Transfer	UWW	GS/DIV	Cred	Dept	Footnotes
Course	Course				

*Please contact the Office of Admissions for more detailed information regarding the transferability of this course or refer to the Transfer Information System (TIS) at www.uwsa/tis/.

DIRECTORIES

ADMINISTRATION

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UNIVERSITY OF WISCONSIN-WHITEWATER CAMPUS ADMINISTRATION

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Director of Intercollegiate Athletics.....	Shawn Eichorst
Assistant to The Chancellor for Affirmative Action and Equal Employment Opportunity.....	Eugene Fujimoto

Office of the Provost and Vice Chancellor for Academic Affairs

Provost and Vice Chancellor for Academic Affairs.....	Richard Telfer
Associate Vice Chancellor for Academic Affairs.....	Barbara Monfils
Assistant Vice Chancellor for Academic Support Services.....	Roger L. Pulliam
Assistant Vice Chancellor for Technology and Information Resources.....	Elena Pokot
Dean, College of Arts & Communication.....	John H. Heyer
Dean, College of Business & Economics.....	Christine Clements
Dean, College of Education.....	Jeffrey C. Barnett
Dean, College of Letters & Sciences.....	Howard L. Ross
Dean, Graduate Studies, Continuing Education, and Summer Session.....	Lee Jones
Assistant Dean of Student Life for New Student Programs.....	Linda Long
Executive Director of Admissions.....	Stephen McKellips
Registrar.....	Daniel Edlebeck
Director of Career Services.....	Craig Mosurinjohn

Center for Students with Disabilities.....Sandra Hall
 Director of Financial AidCarol Miller
 Director of University Health & Counseling
 Services.....John Macek
 Director of Residence LifeJeff C. Janz
 Director of Bookstore and Textbook
 Rental.....Terri Meinel
 Director of Children's Center.....Cigdem Unal
 Director of Irvin L. Young Auditorium.....Ken Kohberger
 Director of Recreation Sports/Facilities.....Gary L. Harms
 Director of University Center/Activities.....Patricia K. Freer
 Coordinator of Student/Employee
 Assistance.....Amy Margulies

Office of the Assistant Chancellor for Student Affairs

Assistant Chancellor for Student Affairs.....Barbara Jones
 Deputy Assistant Chancellor for
 Student AffairsStephen H. Summers
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Office of the Vice Chancellor for Administrative Affairs

Vice Chancellor for Administrative
 Services.....James W. Freer
 Director of Human Resources
 and Diversity.....Jeanne Freeman
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 Management.....Gregory Swanson

Office of the Assistant Chancellor for University Advancement

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 Advancement.....Michael C. Spellman
 Executive Director of UW-Whitewater
 FoundationJonathan C. Enslin
 Director of Alumni Relations.....Mark S. Dorn
 Director of News and Public AffairsSara Kuhl

Budget and Finance

Associate Vice Chancellor for Budget
 and Finance.....Randy D. Marnocha
 Director, Financial Services and Controller.....Vonnice Buske

ADMINISTRATIVE AND ACADEMIC SUPPORT STAFF AS OF NOVEMBER 1, 2003

JOHN W. MILLER (1999): Chancellor. B.S., Ohio University, Athens, OH; M.S.Ed., Northern Illinois University, DeKalb, IL; Ph.D., Purdue University, Lafayette, IN.

NANCY AMACHER (1998): Director of Project ASSIST of Educational Support Services and Lecturer of Special Education. B.S., University of Wisconsin-Stevens Point; M.S.E., University of Wisconsin-Whitewater.

FRANK J. BARNES (2002): Men's Tennis Coach of Intercollegiate Athletics. B.S., University of Wisconsin-Madison, Madison, WI.

JEFFREY C. BARNETT (1989): Dean of College of Education and Professor of Curriculum and Instruction. B.S., Shippensburg State College, Shippensburg, PA; M.S., Bucknell University, Lewisburg, PA; Ph.D., Pennsylvania State University, University Park, PA.

ROBERT E. BARRY (2002): Associate Director of University Center. B.S., Minnesota State University- Moorhead, Moorhead, MN; M.A., University of Mary, Fargo, ND.

FRANK W. BARTLETT (2000): Associate Director of Residence Life. B.A., University of South Dakota, Vermillion, SD; B.S. University of Southern Mississippi, Hattiesburg, MS; M.Ed., Temple University, Philadelphia, PA.

DENNIS BASKIN (1997): Associate Director of Academic Support Services. B.B.A., M.B.A., University of Wisconsin-Whitewater.

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BRIAN BEECHER (2001): Academic Librarian of University Library. B.M., University of Wisconsin-Madison; M.L.S., University of Wisconsin-Madison, WI.

BENNY J. BELVIN (2003): Advisor of Academic Advising & Exploration Center. B.A., Elmhurst College, Elmhurst, IL; M.S., University of Wisconsin-La Crosse.

ROBERT J. BEREZOWITZ (1981): Coach of Intercollegiate Athletics and Lecturer of Health, Physical Education, Recreation, and Coaching. B.E., M.E.P.D., University of Wisconsin-Whitewater.

LISA BETH BERGENE (1999): Residence Hall Manager of Residence Life. B.A., Marquette University, Milwaukee, WI; M.E., Penn State University, University Park, PA.

JANET L. BILGEN (1989): Coordinator of Student Involvement. B.M., University of Wisconsin-Whitewater.

KIRBY H. BOCK (1979): Specialist of Art and Music. B.S., University of Wisconsin-Madison; M.A., University of Wisconsin-Oshkosh.

ELIZABETH M. BONUSO (2002): Equipment Manager of Recreation Sports & Facilities and Assistant Women's Softball Coach of Intercollegiate Athletics. B.A., University of Wisconsin-Whitewater.

BRIAN J. BORLAND (1995): Coach of Intercollegiate Athletics and Lecturer of Health, Physical Education, Recreation and Coaching. B.S., Morningside College, Sioux City, IA; M.S., University of Florida-Gainesville.

JENNIFER L. BOWER (2001): Peer Mentor Program Coordinator, New Student Programs. B.A., University of Wisconsin-Madison; M.S., University of Wisconsin-Whitewater.

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BRIAN M. BREDESON (2001): Associate Director of Career Services. B.S., University of Wisconsin-Platteville; M.S., University of Wisconsin-Whitewater

BARBARA R. BREN (1990): Reference Librarian of University Library and Assistant Professor. B.A., St. Olaf College, Northfield, MN; B.A., University of Minnesota, Minneapolis, MN; M.A., University of Wisconsin-Madison.

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DAVID A. BUCHEN (2003): Outreach Program Manager of Small Business Development Center. B.A., M.E.P.D. University of Wisconsin-Whitewater.

RONALD M. BUCHHOLZ (1984): Associate Director of the University Center. B.S., University of Wisconsin-Stevens Point; M.S., University of Wisconsin-Whitewater.

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DEBORAH BURGESS (1995): Women's Tennis Coach of Intercollegiate Athletics. B.B.A., M.B.A., University of Wisconsin-Whitewater.

SHIRLEY W. BUTLER (1988): Assistant Director of Financial Aid. B.S., M.Ed., University of Illinois-Champaign/Urbana.

DONNA L. CALVIN (2003): Advancement Officer in College of Arts and Communication. B.S., Illinois State University, Normal, IL.

KERI L. CAROLLO (2002): Head Women's Basketball Coach of Intercollegiate Athletics and Lecturer of Health, Physical Education, Recreation and Coaching. B.A. Humboldt State University, Arcata, CA; M.S., University of Wisconsin-La Crosse.

TAK SHING (LEO) CHAN (2003): Lecturer of Communication. B.A., University of Kentucky, Lexington, KY; M.A. Southern Illinois University, Carbondale, IL.

CHUNJU CHEN (1993): Director of Institutional Research. B.A., China Geological University; M.A., Ph.D., University of Minnesota-St. Paul.

STEPHEN P. CHENE (1994): Technical Director of Theatre/Dance. B.A., SUNY at Plattsburgh, NY; M.F.A., Virginia Polytechnic Institute, Blacksburg, VA.

TRACY CHYNOWETH (1998): Coordinator of Club and Wheelchair Sports for Recreation Sports. B.S., University of Wisconsin-La Crosse; M.A., Ball State University, Muncie, IN.

JUDITH A. CIASTO (1993): Senior Physician of University Health and Counseling Services. B.A., Illinois Wesleyan University, Bloomington; M.D., University of Illinois-Rockford School of Medicine.

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MICHAEL C. COHEN (1984): Budget Planner of Budget, Planning, and Analysis. B.B.A., M.S.E., University of Wisconsin-Whitewater.

GRACIELA COLIN-DEALCA (1990): Assistant Director of Student Retention Services/Educational Opportunity Program. A.A., Donnelly College, Kansas, KA; B.A., William Jewell College, Liberty, MO; M.S., University of Wisconsin-Whitewater.

DIANNE M. COOPMAN (2003): Advancement Officer of College of Business & Economics. B.B.A., University of Wisconsin-Whitewater.

CRAIG A. COSHUN (2002): Assistant Director of News & Public Affairs. B.A., University of Wisconsin-Whitewater.

KATHY CRANEY (1998): Career Development Specialist of Career Services. B.S., University of Wisconsin-Stout; M.S., University of Wisconsin-Whitewater.

ALLAN W. DAVIS (1987): Serials Coordinator of University Library and Associate Professor. B.A., Rutgers University, Summit, NJ; M.A., Penn State University, University Park, PA; M.L.S., Indiana University, Bloomington, IN; Ph.D., University of Missouri, Columbia, MO.

MARY JO DE MEZA (1987): Director of Network. Desktop Support Services of Technology & Information Resources. B.A., M.S., University of Idaho, Moscow, ID.

SANDRA L. DERER (2002): Coordinator of MIS and Technology of Residence Life. B.A., Mount Mary College, Milwaukee, WI; M.S., University of Wisconsin-Milwaukee.

CHERYL A. DIERMYER (2002): Instructional Design Specialist of Instructional Technology Services. B.A., M.S., University of North Dakota, Grand Forks, ND.

STEPHEN P. DINKEL (2002): Assistant Football Coach of Intercollegiate Athletics. B.S., University of Wisconsin-River Falls; M.E., University of Wisconsin-Madison.

DAVID R. DORGAN (1989): Facilities Engineer of Facilities, Planning and Management. B.S. E.E., University of Wisconsin-Milwaukee; M.S.E., Milwaukee School of Engineering, Milwaukee, WI.

MARK S. DORN (1977): Director of Alumni Relations. B.S.Ed., University of Wisconsin-Whitewater; M.A., Bowling Green State University, Bowling Green, OH.

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- SANDRA S. DUEX (1991): Assistant Director of Residence Life. B.A., M.S., Cardinal Stritch College, Milwaukee, WI.
- DANIEL J. EDLEBECK (2001): Registrar. B.S., University of Wisconsin-Stevens Point; M.S., University of Wisconsin-Milwaukee.
- NELSON EDMONDS, JR. (1999): Advisor of Academic Advising and Exploration Center and Assistant Coach of Intercollegiate Athletics. B.S., University of Wisconsin-Whitewater.
- JAMES L. EHLERS (1980): Senior Clinical Nurse Specialist of University Health and Counseling Services. B.S., University of Wisconsin-Green Bay; B.S., M.S., University of Wisconsin-Oshkosh; M.B.A., University of Wisconsin-Whitewater.
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- CAROL J. EISEN (2002): Reference Librarian of University Library. B.A., Wheaton College, Wheaton, IL; M.S., University of Illinois, Urbana, IL; C.S.S., Harvard, Cambridge, MA.
- JONATHAN C. ENSLIN (1996): Executive Director of UW-Foundation. B.A., Marquette University, Milwaukee, WI.
- THOMAS M. FICK (1976): Sports Information Director of Intercollegiate Athletics. B.S., Carroll College, Waukesha, WI.
- ERIC G. FIELD (1992): Outreach Specialist of Continuing Education. B.A., University of Wisconsin-Whitewater; M.A., Minnesota State University, Mankato, MN.
- MARY AMANDA FISCHER (1989): Senior Artist of Photo/Graphics of University Advancement. B.A., University of Wisconsin-Whitewater.
- E. MICHAEL FLANAGAN (1996): Director of Grossman Gallery. B.F.A., Kansas State University, Manhattan, KS; M.A., M.F.A., Northern Illinois University, DeKalb, IL.
- GAIL M. FOX (1984): Assistant Director of Career Services. B.S., University of Wisconsin-Stout; M.S., University of Wisconsin-Whitewater.
- JAMES W. FREER (1989): Vice Chancellor of Administrative Services. B.B.A., M.B.A., University of Wisconsin-Oshkosh.
- PATRICIA K. FREER (1990): Director of University Center. B.S., University of Wisconsin-Stout; M.S., University of Wisconsin-Whitewater.
- STEPHEN J. FRIEDMAN (1988): Associate Dean of LEARN Center and Associate Professor of Educational Foundations. B.A., Loras College, Dubuque, IA; M.A., Ph.D., University of Iowa, Iowa City, IA.
- EUGENE FUJIMOTO (2001): AA/EEO Compliance Officer. B.A. University of California, Santa Barbara, CA; M.A. Leadership Institute of Seattle, Seattle, WA.
- ROBERT L. GAMBSKY (1997): Assistant Director of Admissions-Minorities. B.A., Marion College, Fond du Lac, WI.
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Paul W. Breitsprecher; Learning Resources (1990)

Dale E. Brock; Administrative Services (1981)

William Brunckhorst; Biology (1991)

Gerald A. Buhrow; Director of Financial Aid (1993)

Robert N. Burrows; English (1993)

Adriana Busot; Foreign Language (1988)

Aldo J. Busot; Foreign Language (1989)

Gene Cardinal; Coaching (1988)

Jack Cassingham; Music (1996)

John S. Cease; Communication (1997)

William Chevrette; Communication (1992)

Alberta E. Christen; Mathematics (1976)

Charlotte A. Christner; Psychology (1992)

M. Corinne Clark; Associate Dean College of Education and Health, Physical Education Recreation and Coaching (1986)

Donna Rae Clasen; Educational Foundations (2000)

James W. Colmey; Assistant Chancellor for Administrative Services (1989)

James R. Connor; Chancellor Emeritus and History (1991)

E. LaVonne Coppenbarger; Music (1993)

Roger D. Coppenbarger; Music (1995)

Lynn Courtenay; Art (2000)

Lawrence Crone; Biological Sciences (1998)

Frances M. Culbertson; Psychology (1988)

John A. Cummings; Biology (1990)

Jacqueline Dailey, Health, Physical Education Recreation and Coaching (2000)

Larry W. Davis; Interim Provost/Vice Chancellor and Mathematical and Computer Sciences (1998)

Anne Daunis; English (1984)

Ronald D. Dettmers; Mathematical and Computer Sciences (1992)

Henry DeWind; History (1983)

Daniel D. DiPiazza; Political Science (1990)

Margaret M. Donovan; History (1991)

Bradley J. Dresang; Associate Director of University Center and Auxiliary Services (1999)

Clayton A. Drouillard; Mathematical and Computer Sciences (1990)

Roland Durette; Languages and Literatures (1996)

Richard Ehrenberg; Facilities Planning and Management (2000)

Ronald V. Ellis; Languages and Literatures (1997)

Dorothy Remp Elmer, Elementary Education (1984)

Jimmie N. Eloff; Continuing Education (1997)

Martin Engert; Mathematical and Computer Sciences (1996)

Richard C. Enstad; Mathematical and Computer Sciences (1999)

Richard C. Farrell; Management (1992)

Mercedes Fernandez; Theatre/Dance (1996)

Frank Ferriano; Music (1991)

Howard G. Field; Curriculum & Instruction (1992)

Jack D. Filipiak; History (1999)

James Fischer; Accounting (2001)

Robert Fiskum; Health, Physical Education, Recreation and Coaching (1996)

Carroll Flanagan; Mathematics (1982)

Merle N. Follstad; Biological Sciences (1998)

Edwin L. Foot; Music (1990)

Cora M. Forbush; Associate Dean, Continuing Education. Educational Foundations and Counselor Education (1988)

Corinne E. Forster; Secondary Education (1984)

Rex D. Foster; Mathematical and Computer Sciences (1985)

Nancy E. Fowell; Curriculum and Instruction (1998)

Karl E. Fraedich; Accounting (1999)

Everett P. Fulton; Philosophy and Religious Studies (1989)

Eliezer Geisler; Management (1999)

Jacob H. Gerlach; Mathematical and Computer Sciences (1997)

- Mary Anne Gerlach; Mathematical and Computer Sciences (1997)
 John M. Gibbens; Economics (1993)
 Dorothy M. Gollmar; Mathematical and Computer Sciences (1996)
 Beverly L. Good; Educational Foundations and Counselor Education (1987)
 David G. Goodman; Business Education and Office Administration (1986)
 Carol D. Goodwin; Technology and Information Resources (1996)
 Carolyn B. Gorby; Director of Career Services (1998)
 Iza Goroff; Management (1998)
 George H. Gray; Executive Director of Budget, Planning & Analysis and Business Education and Office Administration (1993)
 Rosemary A. Green; Special Education (1997)
 Alyce M. Greene; Health, Physical Education and Recreation (1976)
 Jay M. Greene; Accounting (1976)
 H. Gaylon Greenhill; Chancellor and Political Science (1999)
 William Greer; Sociology (1981)
 Raymond L. Griffith; Languages and Literatures (1996)
 Edna P. Grinstead; Business Education and Office Administration (1981)
 Thomas S. Grotelueschen; Curriculum and Instruction (1995)
 George B. Hafer; Communication (1995)
 Hans R. Hahn; Special Education (1997)
 Kenneth Hammer; Economics (1983)
 Maxine M. Hansen; Elementary Education (1983)
 Lawrence Harrison; Art (2000)
 Robert D. Heidorn; Political Science (2001)
 Joan P. Heimlich; Curriculum and Instruction (1997)
 Roger W. Helming; Associate Director of Career Planning and Placement Services and Curriculum and Instruction (1990)
 Russell D. Helwig; Physics (1998)
 Craig A. Herbert; Counselor Education (1998)
 Mellanie Herbert; Business Education/Computer & Network Administration (2000)
 Marvin Hersko; Psychology (1989)
 Pernel H. Hewing; Business Education and Office Administration (1992)
 Fannie E. Hicklin; Associate Dean of Faculties and Theatre/Dance (1988)
 Irene E. Hill; Curriculum and Instruction (1993)
 Noel N. Hjelmhaug; Physics (1995)
 Sherry Hofer; Technology and Information Resources (2001)
 Frederick C. Hoffmeister; Occupational Environmental Safety Health (1997)
 Mary J. Hoffmeister; Business Education/Computer & Network Administration (1994)
 I-Ning Huang; Psychology (2000)
 John R. Hunter; Music (1989)
 Lyle Hunter; Mathematical and Computer Sciences/Technology and Information Resources (2000)
 Howard G. Inglefield; Music (1996)
 Robert L. Jennings; Music (1992)
 Richard C. Jentoft; Communicative Disorders (1997)
 Jerome W. Johnson; Learning Resources (1994)
 William F. Johnston; Mathematical and Computer Sciences (1991)
 William R. Johnston; Curriculum and Instruction (1989)
 Ora I. Jones; Student Affairs (1978)
 Maurice C. Kalb; Biological Sciences (1996)
 Dennis W. Kehoe; Foreign Languages (1993)
 Richard D. Kelley; Psychology (1994)
 Bernice M. Kelly; English (1992)
 Michael J. Kennedy; History (1997)
 Charles R. King; Curriculum and Instruction (1989)
 Gary B. Klatt; Mathematical and Computer Sciences (1999)
 Arno Kleimenhagen; Marketing (2001)
 Thomas C. Klug; Controller and Director of Financial Services (1996)
 Reuben Klumb; Educational Foundations (1980)
 Judith Knapp; Mathematical and Computer Sciences
 Robert Knapp; Mathematical and Computer Sciences
 Betty Kobs; Communication (2000)
 Alfred S. Kolmos; Educational Foundations and Counselor Education (1986)
 Ruth A. Koskela; Assistant Dean of College of Education and Curriculum and Instruction (1998)
 Molly P. Krival; Communications (1988)
 Harry B. Krouse; English (1989)
 Eugene P. Kruchoski; Health, Physical Education and Recreation (1985)
 Lillian I. Lahti; Curriculum and Instruction (1990)
 Michael Laird (2001)
 Lars E. Larson; Management (1995)
 Paul W. Lauritzen; Special Education (1994)
 James Leaver; Languages and Literature (2000)
 Donald G. Leeseberg; Marketing (1983)
 Ralph E. Lehman; Physics (1987)
 George Lehner; Registrar (1980)
 Nancy G. Lewis; Languages and Literatures (1996)
 Robert G. Lewis; Modern Languages and Literatures (1995)
 William S. Linsenmeyer; History (1996)
 Everett L. Long; History (1996)
 Gordon D. Long; Languages and Literatures (1997)
 Roger Ludeman; Assistant Chancellor for Student Affairs (2001)
 Herbert J. Lundin; Interim Associate Dean of Faculties and Coordinator of Curriculum Matters and Geography (1990)
 Wayne Lusk; University Bookstore (2001)
 Squire G. Luttrell; Learning Resources (1987)
 Judson Lyon; Curriculum and Instruction (2000)
 Lois A. Lyons; Library and Learning Resources (1992)
 Irv A. Madsen; Director of Admissions (1996)
 Arthur L. Madson; English (1988)
 Don L. Manley; Physics (1990)
 Merlin J. Manley; Educational Foundations (1993)
 Rodney A. Marquardt; Associate Dean of University Center (1989)
 Norman D. Martin; Learning Resources (1995)
 Leslie E. Martin, Jr.; Marketing (1987)
 James Mathews; Learning Resources (1983)
 Charles R. McCoy; Chemistry (1988)
 Donald W. McCready; Psychology (1992)
 Theola A. McDonald; English (1993)
 Elizabeth J. McGlynn; Director of Personnel (1996)
 Thomas S. McLeRoy; Dean of Continuing Education. Extension and Summer Session and Business Education and Office Administration (1994)
 Norman R. Meeker; Associate Director of Admissions (1990)
 Douglas L. Meikle; History (1987)
 Mary T. Meikle; Health, Physical Education and Recreation (1989)
 Edward P. Michalewicz; Occupational Environmental Safety Health (1994)
 Rae S. Miller; Communication (2000)
 Mary B. Mills; Director, Information Services and Communication (1978)
 Albert Mims; Occupational Environmental Safety Health (1997)
 Han K. Min; Accounting (1995)
 Ruth Miner-Kessel; Political Science (1985)
 Patrick E. Monahan; Educational Foundations and Counselor Education (1990)
 Russell Moratz; Learning Resources (1979)
 Charles E. Morphey; Geography (1983)
 Margaret H. Mueller; Elementary Education (1975)
 Georgianna Myers; Library and Learning Resources (1985)
 Rudolph M. Najar; Associate Dean of College of Letters and Sciences and Mathematical and Computer Sciences (1990)
 Reginald G. Nash; Biological Sciences (1995)
 Agate Nesaule; Languages and Literatures and Women's Studies (1996)
 John E. Nichols; Communication (1993)
 Ruth Ross Nicholson; Student Affairs (1983)
 Charles A. North; Biological Sciences (1994)
 Andrea Nye; Philosophy and Religious Studies (2000)
 Clifford W. O'Beirne; Psychology (1996)
 C. Daniel O'Sullivan; Associate Professor and Coordinator of Recreational Sports and Facilities (1998)

- John C.H. Oh; Political Science (1997)
 Terry Ostermeier; Communication (2000)
 Kenneth A. Otting; Curriculum and Instruction (1993)
 J. Fred Overman; Special Education and Elementary Education (1983)
 John Overton; Accounting (1983)
 Edna M. Park; Developmental Math (1996)
 Joe C. Park; Educational Foundations (1998)
 Gordon E. Parks; History (1991)
 Anthony L. Pavlick; Economics (1988)
 Robert Y. Perinchief; Music (1990)
 Forrest W. Perkins; Coaching (1986)
 Margot M. Peters; English (1991)
 Gladys Petersen; Elementary Education (1982)
 Heinz Pfaeffle; Special Education (1983)
 Lynton M. Piatt; Psychology (1991)
 George Pulsford; Accounting (1974)
 Mary E. Quinlivan; History (1996)
 E. John Rabe; Health, Physical Education, Recreation and Coaching (1997)
 James P. Raffini; Educational Foundations (1996)
 Elmer G. Redford; Physics (1993)
 Everett L. Refior; Economics (1983)
 Vernon L. Rexroat; Special Education (1994)
 Mary Ann Riccio; Health, Physical Education and Recreation (1990)
 Dennis M. Richter; Geography (1997)
 Roy P. Roberson; Finance and Business Law (1991)
 Audrey J. Roberts; English (1992)
 Dennis K. Rohrs; Music (1990)
 Kirk J. Romary; Chemistry (1994)
 Don S. Ross; Philosophy and Religious Studies (1994)
 Marvin Ross; Health, Physical Education and Recreation (1989)
 Mary Lou Rossini; Curriculum and Instruction (1999)
 Helga Rothweiler; Languages and Literatures (1998)
 Robert L. Rothweiler; Political Science (1997)
 Margaret A. Roxby; Curriculum and Instruction (1990)
 W. Daniel Sable; Biological Sciences (1997)
 Kenneth Salzwedel; Psychology (2000)
 Robert L. Sauer; Management (1998)
 David Saunders; English (1983)
 Dale Scharinger; Management (1998)
 Richard Schauer; Mathematical and Computer Sciences (2001)
 Ruth A. Schauer; Languages and Literatures and Women's Studies (1996)
 Robert F. Schissel; Educational Foundations & Counselor Education (1988)
 Rolland P. Schlieve; Educational Foundations and Counselor Education (1986)
 Dorothy M. Schlimm-Sand; Curriculum and Instruction (1992)
 James S. Schlough; Biological Sciences (1995)
 Susan R. Schlough; Developmental Studies (1996)
 Alice J. Schoof; Psychology (1992)
 Jack F. Schoof; Art (1991)
 Bruce E. Schroeder; Associate Registrar (1995)
 Kathleen Schumacher; Financial Aid (2000)
 Vernon A. Schumacher; Curriculum and Instruction (1990)
 George H. Seeburger; Biology (1992)
 Aelt E. Sents; History (1986)
 Hsi-ping Shao; Assistant Vice Chancellor/ Professor of Learning Resources/ Technology and Information Resources
 Lon D. Sherman, Director of Admissions (1998)
 Carl W. Shinnery; Physics (1992)
 William F. Siebers; Music (1988)
 Donald H. Silva; Economics (1996)
 S. Galen Smith; Biology (1991)
 Brunhilde W. Sommer; Educational Foundations and Counselor Education (1986)
 Ralph H. Song; Psychology (1992)
 Edna C. Sorber; Communication (1981)
 Dale F. Stehno; Counselor Education (1998)
 Frank Stekel; Physics (2001)
 Shirley Stekel; Physics (2000)
 James Stewart; Registrar's Office (2001)
 Neil H. Stone; Physics (1999)
 Luther R. Stonecipher; Physics (1986)
 Lewis W. Stoneking; Curriculum and Instruction (1992)
 David M. Stoneman; Associate Dean of College of Letters and Sciences and Mathematical and Computer Sciences (1998)
 Norman L. Stoner; Executive Director of WisNet and Physics (1999)
 Atlee Svanoe; Management (2000)
 Max F. Taylor; Art (1995)
 Edwin E. Thele; College of Business Assistant Dean and Accounting (1991)
 George Tesar; Marketing (2001)
 Ann Tetley; Communication (2001)
 John Thatcher; Finance and Business Law (2001)
 Warren S. Theune; College of Education Assistant Dean and Secondary Education (1986)
 Vlad I. Thomas; English (1990)
 Dorothy M. Tiede; Assistant to the Chancellor and Special Education (1990)
 James E. Toennies; Health, Physical Education, Recreation & Coaching (1993)
 Patricia A. Townsend; Associate Dean of College of Arts and Communication and Professor of Communication (1998)
 Jack W. Travis; Geology (1999)
 James R. Trier; Mathematical and Computer Sciences (1994)
 Dennis Trudell; Languages and Literatures (2001)
 John Truesdale; Director of Disabled Student Services (2001)
 Louis J. Uehling; Languages and Literatures (1997)
 M. Hope Underwood; Educational Foundations and Counselor Education (1990)
 Robert M. Underwood; Geography (1986)
 Kathryn E. Utz; English (1978)
 James Van de Bogart; Finance and Business Law (1996)
 Martha Van Steenderen; Health, Physical Education and Recreation (1990)
 Charles B. Varney; Geography (1985)
 Bernard Verrill; Psychology (1990)
 Edward Vitale; Marketing (2000)
 Donald J. Voeller; Geography (1996)
 Kathryn E. Vonderau; HPER (1988)
 Dennis Wadsworth; Music (1997)
 Thomas W. Walterman; Associate Vice Chancellor (1995)
 Ronald R. Wangerin; Health, Physical Education, Recreation and Coaching (1995)
 D. June Ward; Biology (1990)
 Robert K. Webb; Music (1989)
 Carolyn E. Wedin; Languages and Literatures (1996)
 Robert Weigandt; Continuing Education and Health, Physical Education and Recreation (1980)
 Mary (Bross) Weinlein; Special Education (1993)
 James Wenkle; Art (1998)
 Richard Westphal; Management (1990)
 Everett White; Associate Dean, College of Education (1982)
 John Wickenberg; Art (2001)
 Thomas R. Wilcox; Mathematical and Computer Sciences (1993)
 Raleigh J. Williams; Mathematical and Computer Sciences (1991)
 Gene Wilson; Theatre (1982)
 Virgil Wise; Elementary Education (1979)
 Jerome W. Witherill; Occupational Environmental Safety Health (1998)
 Roland Woodbeck; Auxiliary Services (2000)
 James S. Young; Biology (1989)
 Lowell V. Youngs; Music (1997)
 Karl G. Zahn; Curriculum and Instruction (1990)
 Abdullah Zarinnia; Economics (1999)
 Wallace E. Zastrow; University Relations (1985)
 Norbert J. Zelten; Accounting (1989)

EXCELLENCE IN TEACHING AWARDS

2003 Diana L. Rogers-Adkinson, Special Education
 2002 Ronald J. Berger, Sociology
 2001 Christen K. Ellenwood, Music
 2000 James M. Leaver, Languages and Literatures
 1999 Brenda R. O'Beirne, Counselor Education
 1998 Charles S. Green, Sociology
 1997 Gregory A. Valde, Educational Foundations
 1996 George J. Ferencz, Music
 1995 Arno K. Kleimenhagen, Marketing
 1994 Richard C. Jentoft, Communicative Disorders
 1993 Jerome W. Witherill, Occupational Environmental Safety Health
 1992 Clifford W. O'Beirne, Psychology
 1991 John F. Kozlowicz, Political Science
 1990 Robert N. Burrows, English
 1989 Gordon O. Hedahl, Theatre/Dance
 1988 Edward J. Drexler, Chemistry
 1987 Charles H. Zastrow, Social Work
 1986 Karen K. Kirst-Ashman, Women's Studies
 1985 Frederic L. Sederholm, Theatre/Dance
 1984 Bennette R. Harris, Mathematics & Computer Science
 1983 I-Ning Huang, Psychology
 1982 Jack A. Cummings, Biology
 1981 Ike W. Schaffer, Educational Foundations
 1980 John Montague, Art
 1979 Karen Boubel, Music
 1978 David B. Saunders, English
 1977 Lowell V. Youngs, Music
 1976 Larry W. Davis, Mathematics
 1975 Jerome K. Laurent, Economics
 1974 Margaret H. Mueller, Elementary Education
 1973 Robert Perinchief, Music
 1972 Mary Margaret Hosler, Business Education & Office Administration
 1971 Herbert J. Lundin, Geography/Geology
 1970 Fannie E. Hicklin, Theatre/Dance
 1969 Henry Meyer, Biology
 1968 Raymond E. Light, Music
 1967 Lloyd E. Liedtke, Elementary Education
 1966 No Award
 1965 Rudolph Prucha, Physics

OUTSTANDING RECENT ALUMNI

Cited in 1971 Carol A. (Becker) Cartwright, '62
 O. David Sherwood, '61
 1972 Michael R. Wunsch, '63
 1973 Ann (DeCoster) Carlson, '61
 Robert B. Coates, '66
 Lee Mullally, '65, '70
 Robert Pavlik, '65
 1974 Richard C. Haney, '63
 Eric W. Lund, '67
 Richard E. Moeller, '64
 William J. Seiler, '65
 1975 Paul Busch, '67
 Dan Matson, '69
 JoAnn (Chopp) Truss, '67
 1976 Patricia (Spicer) Lamb, '68
 Edward Litrenta, '68
 John A. Mooney, '66
 1977 Beverly Kaeser, '68
 Patricia Gober-Meyers, '70
 Robert Albert Otto, '66

Dale Reich, '72
 1978 Frank M. Brasile, '69
 Gregg A. Condon, '70
 Harry J. Steindorf, '73
 Krysten Stepke, '74
 1979 Michael Cesario, '71
 Linda Kurth, '75, '78
 Nancy Nelson, '70
 Louise (Hermsen) Schneff, '76
 1980 William Nantell, '71
 Jeanne Pepper, '69
 1981 Ron Binning, '70
 David Denemark, '74
 Kristin Koeffler, '77
 Kathryn Linch, '77
 1982 Frank Burns, '76
 Mark Fiebrink, '73
 Victorio (Sykes) Loudon, '74, '78
 Sally Ann Schwartz, '78, '79
 1983 Michael Duschene, '75, '81
 Jeanine Raffini Fassl, '74, '80
 Kwame Salter, '68
 Daniel Wilson, '72
 1984 William Malleris, '78
 Randall Radtke, '73
 Donna Faye Crass Sefton, '74
 Roger Wimmer, '71
 1985 Elaine Kruzel Bell, '71
 Irving W. Palmer '78
 1986 No Awards Given
 1987 Thomas Becke, '78
 William Lowell, '82
 Howard L. Marklein, '76
 1988 Lee Celske, '81
 Wade Fletcher, '78
 Thomas Gaglione, '74
 Marilyn Todd Pape, '83
 1989 Frank Biancuzzo, '82
 Terrance C. Shircel, '80
 Patrick Slane, '77
 Janice (Gudeman) Travnick, '73
 1990 Sheryl (Finke) Bartelt, '81
 Michael Collette, '73
 Arthur Flowers, Jr., '77
 1991 Thomas Adsit '78
 Craig Vickio '81
 1992 No Awards
 1993 Todd K. Adams '80
 Timothy J. Hyland '82
 Richard A. Leske '83
 1994 Carolyn (Theune) Brady '80
 Kurt Krinke '83
 Michael J. Ross '81
 Ronald Thompson '72 & '82
 1995 Dean R. Amhaus '83
 Barry A. Brandt '85
 Dawn (Brooke) Hunter '81 & '87
 Barbara J. Smith '82
 1996 Yvonne Anderson '89
 William Lutzen '83
 1997 Dean Van Galen '82
 Sarah Fletcher Botham '83
 1998 Cory Ann St. Marie-Carls '83
 Craig Coshun '90
 1999 Londa L. Hill '89
 Merry Lee Lison '86
 2000 No Awards Given
 2001 Amy Sonnenburg Doepke '87
 2002 Diane Prochaska Hamilton '88

2003 Mark Niedfeldt '88
Janet Bilgen Craggs '88
Michael J. Schumacher '88

DISTINGUISHED ALUMNI

- | | | | | |
|----------|------|---|------|---|
| Cited in | 1955 | Raymond Ruppel, '21, '41 | 1980 | Edward A. Baranowski, '59
Luella Chrisler Dettmann, '43
Lawrence Engel, '66
Lloyd Liedtke, '38 |
| | 1956 | Charles E. Jones, '29, '37
Josephine Turner, '24, '39 | 1981 | Jon C. Dahle, Sr., '38
Elinore (Wiseman) Jenkins, '48
Henry I. Kester, '44
John F. Krueger, '32 |
| | 1957 | Marvin A. Buege, '36
Willard Wandschneider, '35 | 1982 | J. William Brandel, '33
Mildred (Dobbs) Gau, '42, '73
Beatrice (Richards) Wehrly, '45
David Bushman, '67 |
| | 1958 | Gladys Borchers, '18
Harold Perry, '33
Olga Schlueter, '17 | 1983 | Anna Lou Reisch Owen, '40
John Underwood, '56
Timothy Cullen, '66
Mary Jo Greil, '69 |
| | 1959 | Walter D. Calvert, '26, '34
Mary Tuohy Ryan, '19, '38 | 1984 | Tom Loftus, '70
Michael Guolee, '64
Mary Margaret O'Connell Hosler, '61
Donald Koeppen, '50 |
| | 1960 | Lela Parfrey Andrews, '12
Rex C. Mack, '42 | 1985 | Kay Harty, '53, '78
Alvin Jensen, '58
Del McGinnis '48
Karen Gunderson Weissman, '66 |
| | 1962 | Chloes Bardeen, '37
John W. Hahn, '35 | 1986 | Richard E. Galecki, '58
Douglas J. Timmerman, '62 |
| | 1963 | Paul R. Alfonsi, '27
Edward J. Gauthier, '39
S. J. Wanous, '29 | 1987 | Kaye Burkhardt, '64
Roger J. Johnson, '61
Donald T. Nicolaisen, '67
Robert Niendorf, '62 |
| | 1965 | John K. Kyle, '22 | 1988 | James Rowe, '71
Dennis Torkko, '68 |
| | 1966 | Marie Benson, '18
William E. Wolfe, '28 | 1989 | Dr. James R. Gammon, '56
Alfred Kolmos, '57
John R. Plewa, '68
Dr. William J. Seiler, '65 |
| | 1967 | Ray P. Glynn, '33
Erwin M. Keithley, '32 | 1990 | David Balmer, '59
Don Hilbelink, '71
Xan Johnson, '67 |
| | 1968 | Arthur J. Baker, '38
Ruth A. Bennett, '24
Lorraine Missling, '48 | 1991 | Robert L. Douglas '59
Kathleen (Downing) Wood '65
Jeffrey Schlueter '68
Richard Pollock '74 |
| | 1969 | Charles H. Dorr, '18
Ruth Engebretsen Dorr, '16 | 1992 | No Awards |
| | 1970 | Arthur E. Carlson, '43
Arnold Condon, '34
John Garstecki, '45
Clemens Wisch, '42 | 1993 | Carol A. (Becker) Cartwright '62
Joseph S. Fok '71
Dale M. Hanson '67
Dwight A. York '62 |
| | 1971 | Elizabeth Ruth Bromley, '40
Cecile M. Logic, '38
Ralf J. Thomas, '35
Henry Yankow, '39 | 1994 | Jeanette (Wendt) Campbell '60
Robert Baade '67 |
| | 1972 | Harold Bliss, '43
Robert Garvue, '47
John Riesch, '52
Donald Tully, '38 | 1995 | Steven J. Burrows '74
Thomas A. Gaglione '74 & '76
Lolita (Matson) Kachel '50
Pat A. Rossman '66 & '72 |
| | 1973 | William Goers, Sr., '38
Andrew J. Goodman, '39
Evelyn F. Kronenwetter, '32 | 1996 | Leonard Converse '34
Leonard DeBaker '51
Christine Neuman '69
Mark Neumann '75
Warren Theune '50 |
| | 1974 | Donald Gau, '42
Albert Pitts, '50
Francis Richardson, '38
Paul Zurkowski, '54 | 1997 | Dennis Ladwig '62, '64 & '70
Philip Pelanek '70 & '72
Michael O'Halleran '72
Raymond Jacobsen '76 |
| | 1975 | James Bower, '43
John Dettmann, '40
Mary R. Henningsen, '30
Richard J. Hoffman, '43 | 1998 | Marc Anderson '67
Richard Kalinoski '70
Carlos Wagner '70 |
| | 1976 | Norman B. Mitby, '38
Harry Jasinski, '48
Helen Marie Eggert Snyder, '48
Louis K. Brandt, '36 | 1999 | Ronald F. Ertl '70
Judith M. Erwin '72
Connie Glowacki '64 & '68 |
| | 1977 | Dolores Fox Curran, '53
William Healey, '35
Jeanne Brunette Tregoning, '65 | | |
| | 1978 | Rudy Martzke, '33
John Ponyicsanyi, Sr., '35
Arthur G. McGraw, Jr., '40 | | |
| | 1979 | Elizabeth Henkel Heller, '64
Herbert J. Langen, '39
George A. Lambert, '44
Dale H. Scharinger, '57 | | |

Matthew S. Schliesman '78
Dennis Troha '68
2000 Stephen Van Galder '69
Frank Witthun '70
2001 Keith B. Krinke '68
John W. Matthews '83
Joseph E. Schopen '66
2002 Carol Ann Kluth Schneider '58
James B. Miller III '65
Jeanne Julseth-Heinrich '67 & '76
2002 Mark A. Cullen '76
Sandra K. Rusch Dunst '79
W. Craig Esrael '81 & '82

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