
University of Wisconsin-Stevens Point Undergraduate and Graduate Catalog 2013-2014 (Updated 5/30/2014)

In compiling our catalog we have used the most current and accurate information available to us. However, we reserve the right to change any of the information in this catalog at any time and without giving prior notice. When the UW System or UW-Stevens Point deletes or revises any of the information in this catalog, the changes take effect as soon as they are approved.

To keep up-to-date with changes in curriculum that may affect requirements in your program and the length of time it takes you to graduate, be sure to check with your adviser regularly during your college career.

The provisions of this catalog DO NOT constitute a contract between the student and the university.

Libby Raymond, Catalog Editor



**University of Wisconsin
Stevens Point**

University of Wisconsin-Stevens Point
2011-2013 Catalog
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Stevens Point, Wisconsin 54481-3897

www.uwsp.edu

Accreditation

UW-Stevens Point is accredited by The Higher Learning Commission, a member of the North Central Association, to offer undergraduate college programs leading to the bachelor's degree and graduate programs leading to the master's degree. They can be reached at:

The Higher Learning Commission
30 North LaSalle Street, Suite 2400
Chicago, Illinois 60602-2504
312-263-0456; 800-621-7440; Fax 312-263-7462
www.ncahlc.org

Individual departments and programs within UW-Stevens Point are also accredited by the:

Accreditation Board for Engineering and Technology
American Chemical Society
American Speech-Language-Hearing Association
Commission on Accreditation of
Athletic Training Education
Commission on Accreditation for
Dietetics Education of the American Dietetic Association
Council for Interior Design Accreditation
Council on Academic Accreditation in Audiology and
Speech-Language Pathology
National Accrediting Agency for Clinical Laboratory
Sciences
National Association of Schools of Art and Design
National Association of Schools of Dance
National Association of Schools of Music
National Association of Schools of Theatre
National Wellness Institute
Society of American Foresters

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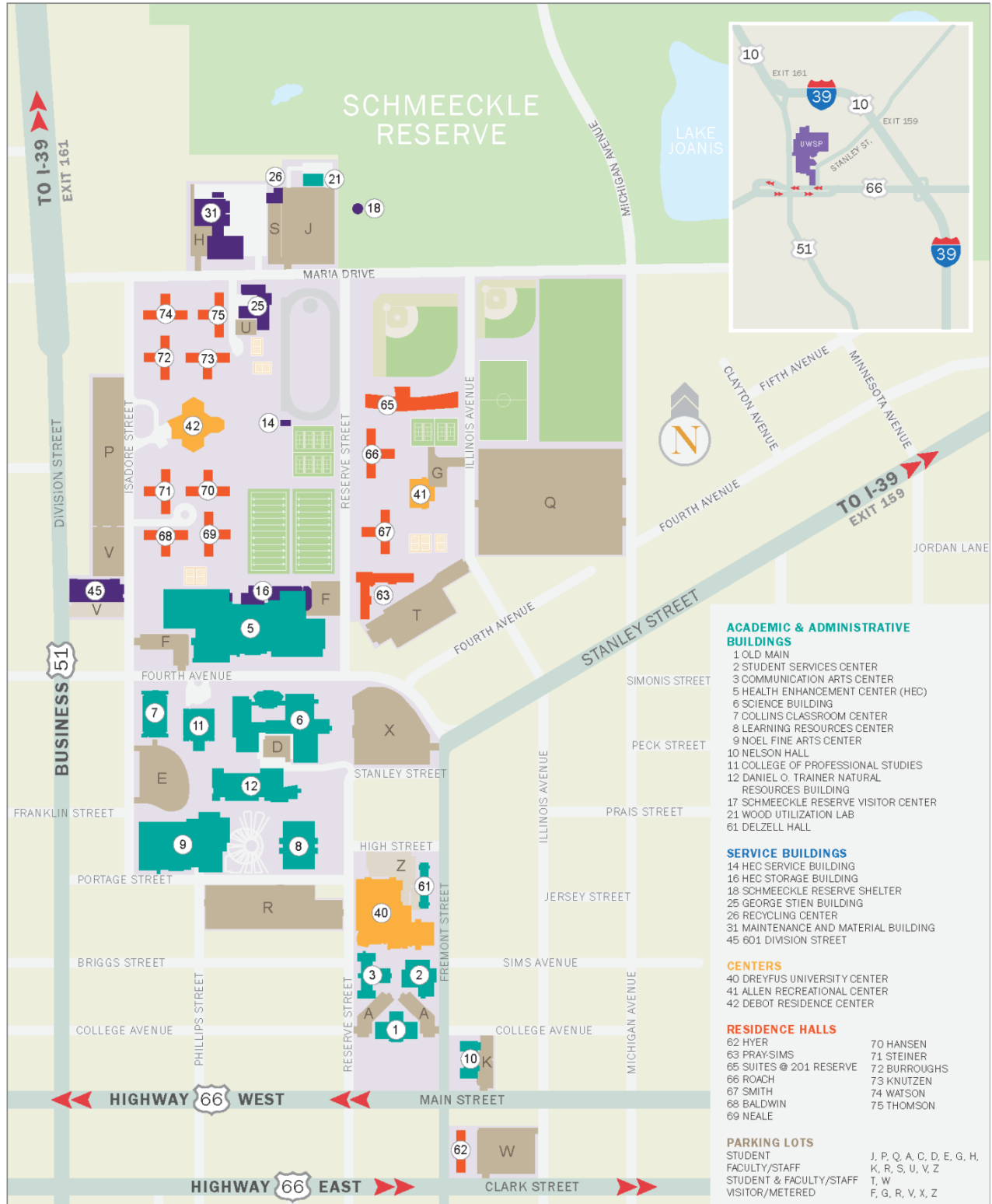
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Calendar

2013-14 Sept 3 Nov 27, 6 pm Dec 2 Dec 13 Dec 14 Dec 14 Dec 16-20	2014-15 Sept 2 Nov 26, 6 pm Dec 1 Dec 12 Dec 13 Dec 13 Dec 15-19	2015-16 Sept 2 Nov 25, 6 pm Nov 30 Dec 15 Dec 19 Dec 19 Dec 16-18, Dec 21-22	First Semester Classes begin Thanksgiving recess begins Classes resume Last day of classes Reading day Commencement Final exams
2013-14 Jan 2 Jan 17 Jan 20	2014-15 Jan 5 Jan 17 Jan 19	Jan 4 Jan 20 Jan 18	Winterim Winterim begins Winterim ends Holiday
2013-14 Jan 21 Mar 14, 6 pm Mar 24 May 9 May 10 May 12-16 May 17	2014-15 Jan 20 Mar 13, 6 pm Mar 23 May 8 May 9 May 11-15 May 16	Jan 25 Mar 18, 6 pm Mar 28 May 13 May 14 May 16-20 May 21	Second Semester Classes begin Spring recess begins Classes resume Last day of classes Reading day Final exams Commencement
2013-14 May 27 Jun 16 Jul 4 Aug 6 Aug 7-8	2014-15 May 26 Jun 15 Aug 5 Aug 6-7	May 31 June 20 Aug 12 Aug 13-14	Summer Session Three-week session begins Eight-week session begins Holiday Last day of classes Final exams

Campus Map

University of Wisconsin-Stevens Point Map



Introduction

This is UW-Stevens Point

With our roots in the heart of the state, Wisconsin's right-sized public university launches students on meaningful life journeys through transformational learning in the arts and sciences. Our open-minded, close-knit community, both on and off campus, inspires students to experience the world unfolding in new ways.

Transforming students' lives through the Pointer experience in turn transforms our region, our state and beyond. Through the discovery, dissemination and application of knowledge, the University of Wisconsin-Stevens Point stimulates intellectual growth, provides a liberal education and prepares students to lead in a diverse and sustainable world.

UW-Stevens Point's primary regions of service touch five of the seven economic development regions in Wisconsin, opening doors to UW-Stevens Point's expanding role in applied research as an engine for economic recovery.

ASSISTIVE TECHNOLOGY

See [Disability and Assistive Technology Center](#)

DISABILITY SERVICES

See [Disability and Assistive Technology Center](#)

Disability and Assistive Technology Center

Room 609, Learning Resources Center

Phone: 715-346-3365

TTY/TDD: 715-3463362 (for hearing impaired)

Email: datctr@uwsp.edu

Web: www.uwsp.edu/disability/Pages/default.aspx

Both Disability Services and Assistive Technology Services are provided through the Disability and Assistive Technology Center (DATC). If you have a disability, you may obtain information on program accessibility and accommodations for all UW-Stevens Point programs and courses, as well as physical access to all campus buildings by contacting the DATC. You may also call on the DATC or referral information regarding counseling, housing, academic advising, and tutoring. We urge you to contact the DATC before your first semester of classes in order to plan for accommodations. All segments of UW-Stevens Point comply with Section 504 of the Rehabilitation Act and the Americans with Disabilities (ADA) and its amendments.

Equal Opportunity/ Affirmative Action Policy

We at UW-Stevens Point affirm your right to equal opportunity in education. We make all our university programs and activities equally available to all. In our educational programs, activities and employment policies, we don't discriminate on the basis of age, race,

creed or religion, color, handicap, sex, national origin, ancestry, pregnancy, marital status, parental status, sexual orientation, disability, political affiliation, arrest or conviction record, membership in the National Guard, state defense force or other reserve component of the military forces of the United States or this state.

UW-Stevens Point is an affirmative action/equal opportunity employer and encourages applications from members of ethnic/racial minorities, women, and persons with disabilities. If you have a question or concern about our compliance with state or federal laws or if you have a discrimination complaint, write or bring the question or complaint to our Equity and Affirmative Action Office, Room 210, Main Building, or phone 715-346-2002. www.uwsp.edu/equity.

UW-Stevens Point Mission Statements

UW-Stevens Point shares in the mission of the **University of Wisconsin System**. The mission of this system 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 purpose. Inherent in this broad 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.

As an institution of the University of Wisconsin System, UW-Stevens Point shares the following core mission with other universities. Each university 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 extracurricular 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 preprofessional 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,

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- g. participate in inter-institutional 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 nontraditional students and seek racial and ethnic diversification of the student body and the professional faculty and staff, and
- i. support activities designed to promote the economic development of the state.

The select goals and responsibilities of ***UW-Stevens Point*** are to:

- provide a broad foundation of liberal studies and selected degree programs in the fine arts, humanities, natural sciences, and social sciences, imparting the heritage of human civilization, critical intelligence, and the skills necessary for a lifetime of learning and upon which education in the professional fields may be built
- provide undergraduate professional programs in communicative disorders, teacher education, home economics*, the visual and performing arts, paper science, and natural resources with emphasis on the management of resources
- provide graduate programs in teacher education, communicative disorders, natural resources, home economics*, communication and other select areas clearly associated with this university's undergraduate emphases and strengths
- provide programs in wellness and health promotion
- provide quality undergraduate and graduate instruction through innovative methods using print and nonprint library resources, computing, communication technology, and direct student assistance
- 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
- cooperate with UW-Extension in the development and coordination of statewide outreach programming, integration of the extension function into the institution, and appropriate and adequate recognition of those involved in outreach activities

*The former home economics programs are now offered as child and family studies, dietetics, early childhood education, family and consumer sciences, human development, nutrition, and interior architecture.

Mission Statement and Values

Through the discovery and dissemination of knowledge, UW-Stevens Point stimulates intellectual growth, provides a liberal education, and prepares students for a diverse and sustainable world.

Values

- student-centered environment
- critical thinking, creativity, and lifelong learning
- professional preparation
- community involvement and outreach
- ecological stewardship

The Stevens Point Community

Because of UW-Stevens Point's central location, students are very much a part of the city of Stevens Point as soon as they come to campus. Residence halls, nearby student apartments and rooming houses blend into the community.

In addition, the local economy depends on UW-Stevens Point students as part-time employees. The Police and fire departments, a hospital, a county library, shopping, and the riverfront all are within easy access. A safe city with a low crime rate, Stevens Point provides a secure haven for its student residents.

Stevens Point is a city of about 25,000 in a metropolitan area of nearly 67,000. Located on the banks of the Wisconsin River, it offers a wide range of recreational opportunities including the Green Circle Trail, cross-country ski trails, year-round fishing on the river and in nearby lakes, downhill skiing at Standing Rocks County Park, and numerous baseball and softball facilities including Zenoff and Bukolt Parks.

The corporate headquarters of Sentry Insurance gives Stevens Point a cosmopolitan flavor that is unusual for a Midwestern city of its size. Other major employers include Ministry Health Care (including St. Michael's Hospital and Ministry Medical Group), Copps Corp, Stevens Point Public Schools, UW-Stevens Point, New Page, Del Monte, McCain Foods USA, Lands' End, Portage County, The Noel Group, and Worzalla Publishing.

Stevens Point lies midway between Milwaukee and Minneapolis at the intersection of Interstate 39/Highway 51 and U.S. Highway 10. It is served by several airlines through the Central Wisconsin Airport.

Admissions

Admission Application Procedure

You may apply for admission to UW-Stevens Point by submitting the UW System electronic application or the paper application form available through the following website: (<https://apply.wisconsin.edu>).

Office of Admissions
Room 102 Student Services Center
UW-Stevens Point
Stevens Point WI 54481-3897
Phone: 715-346-2441
Email: admiss@uwsp.edu
Web: www.uwsp.edu/admissions

New Freshman Admission Policy

Admission to the University of Wisconsin-Stevens Point is competitive. All applications are reviewed on an individual basis with both academic and non-academic factors considered. The university will give strong consideration to applicants with successful academic backgrounds who have demonstrated achievement both inside and outside the classroom. The potential to contribute to a diverse educational community is also considered.

NOTE: Admission is subject to program capacity limits and institutional enrollment limits.

A. You must graduate from a recognized high school or the equivalent.

1. A recognized high school is one which either (a) is accredited by a regional accrediting association or state university or (b) is recognized or accredited by a state department of public instruction or equivalent.
2. An applicant who has not graduated from a recognized high school must provide evidence of ability to begin college work. Such evidence may include, but is not limited to: transcripts verifying completion of a home-schooled educational program, GED/HSED test scores, ACT/SAT scores, and/or transcripts of coursework completed in high school. Additional documents, testing, and a personal interview may be required.

B. Academic Unit Requirements

	Minimum Required	Recommended
English	4 units	4 units
Mathematics	3 units	4 units
Social Science	3 units	4 units
Natural Science	3 units	4 units
Foreign Language	0 units	2-4 units
Electives*	4 units	4 units

*At least two of the elective credits must be from foreign language, fine arts, computer science, English, math, social science, or natural science.

For acceptable courses in each academic area, please visit "Admission Criteria" on the website at www.uwsp.edu/admissions/Pages/Applying/newFreshman.aspx.

C. Academic Criteria

1. Class rank
2. Test scores: ACT or SAT (UW-Stevens Point does not require the ACT Writing Test.)
3. Cumulative high school grade point average (GPA)
4. Rigor of high school courses
5. Trend in grades: the pattern of grades including the pattern in academic courses

D. Non-academic Criteria

In addition to academic achievement, the following non-academic factors will be considered: demonstrated leadership; involvement through work experience, extracurricular activities, and volunteerism; personal characteristics and accomplishments including honors, awards, special talents and abilities, and personal qualities; diversity in background and experience; and life circumstances.

While non-academic qualifications are considered in the comprehensive review process, they will not necessarily make an applicant with a weak academic background a strong candidate for admission.

Admission requirements and criteria are subject to change.

Orientation for New Freshmen

As a new freshman at UW-Stevens Point, you participate in a two-day orientation program. Through the program, you learn how to quickly and easily adapt to university life by getting to know UW-Stevens Point's customs, traditions, curricula, policies, and services. You meet with an academic adviser and prepare your class schedule for your first semester. You also meet with upperclass students and other new students in small discussion groups.

We encourage your parents to attend Orientation with you. Your parents hear presentations by UW-Stevens Point faculty and staff on such topics as student health programs, health insurance, financial aid opportunities, and housing and dining programs. You and your parents are invited to stay in a residence hall and eat at our dining facilities. For more information, write or visit the Admissions Office, Room 102, Student Services Center, or call 715-346-2441.

www.uwsp.edu/admissions/Pages/Applying/Orientation.aspx.

If you are a nontraditional student, you may get additional information about orientation and registration by writing or visiting the Diversity and College Access office, Room 209, Student Services Center, or calling 715-346-3574.

www.uwsp.edu/multicultural.

Nondegree (Special) Students

If you are a high school graduate and want to take a limited number of courses, and you are not seeking a

degree, you may be allowed to register for courses without formally applying for admission. Please contact the Admissions Office for information regarding registration.

High School (Special) Students

If you are a qualified high school junior or senior who wishes to take university courses while still enrolled in high school, you may be permitted to do so on a space-available basis. You will need to submit a UW-Stevens Point Youth Options Program/High School Special Student Application form and an official high school transcript. Additional information is available at www.uwsp.edu/admissions/YOPapp.aspx. You may also contact your high school counselor or the UW-Stevens Point Admissions Office for more information.

Returning UW-Stevens Point Students

If you have been away from campus for one or more semesters, complete the UW System admission application form (see [Admission Application Procedure](#) in the beginning of this section) to apply for readmission to UW-Stevens Point. Ask any colleges you've attended since leaving UW-Stevens Point to send an official copy of your transcript to our Admissions Office so we can determine your eligibility for readmission.

Because we must limit enrollment at UW-Stevens Point, all admission regulations for undergraduate students are subject to change at any time.

If you left UW-Stevens Point under academic suspension, a letter of appeal must accompany your application for admission. The letter should explain the circumstances which affected your academic performance (include documentation if available), how your problems have been resolved, your activities/occupations since your attendance here, and what has changed so that, if you are readmitted, we can be assured that you will not be suspended again. You are eligible to apply for readmission as follows:

1. **First suspension:** You may apply for readmission one semester after you are first suspended, but please note that readmission is not automatically granted. You may apply even earlier if you show that you were suspended due to circumstances you could not control and that those circumstances have changed.
2. **Second and following suspensions:** You may apply for readmission two years after you are suspended for a second time. Again, you may apply earlier only if you show that you were suspended due to circumstances you could not control and that those circumstances have changed.
3. **Appeals:** If we deny your request for readmission, you may appeal our decision. Address your appeal letter to Director of Admissions with a request that

your appeal be forwarded to the Chancellor's Appeals Committee.

Admission of Transfer Students

Follow the instructions under [Admission Application Procedure](#) to apply for admission to UW-Stevens Point. You will need to submit the UW System application form and have official transcripts from your high school and each college you have attended forwarded directly to the UW-Stevens Point Admissions Office.

Admission to the University of Wisconsin-Stevens Point is competitive. Our Office of Admissions reviews all transfer applicants on an individual basis, considering both academic and non-academic factors. We pay particular attention to college-level course work you have completed, including your cumulative grade point average, the rigor of your course work, and grade trends and patterns. We also consider non-academic factors that demonstrate how you will enrich our campus community, including your extracurricular and employment experiences, personal characteristics and accomplishments, special talents and abilities, and life circumstances. While non-academic factors are considered, they will not make an academically weak applicant admissible.

Due to enrollment limits, admission regulations for transfer students are subject to change at any time.

For further information regarding admission eligibility and enrollment, please contact the Admissions Office, Room 102, Student Services Center, 715-346-2441. www.uwsp.edu/admissions.

Transferring Credit to UW-Stevens Point

To transfer credits you have earned at another institution to UW-Stevens Point, ask each college you have attended to send an official transcript of your credits to UW-Stevens Point's Admissions Office. The Admissions Office determines whether credits earned at another institution will transfer to UW-Stevens Point and how those credits will apply toward the UW-Stevens Point General Education Program. Please note the following in regard to credit transfer:

- An official evaluation of your transfer credits will be completed after you are admitted on a final basis and have confirmed your intention to enroll at UW-Stevens Point.
- Credit is generally awarded for college-level courses completed with grades of D or higher at institutions accredited by a regional or national accrediting organization recognized by the Council for Higher Education Accreditation (CHEA). Courses must be similar in nature, level, and content to course work in our undergraduate curriculum. Continuing education courses and courses that are remedial, technical, vocational, and doctrinal in nature are not transferrable.

- The appropriate academic department will determine which credits apply to your major and minor.
- We accept a maximum of 72 credits from two year colleges. You will receive lower division (100-200 level) credit for any of these courses. Exceptions can be granted by the appropriate dean. There is no limit on credits accepted from four year universities.
- Credits transferred from other institutions are not used in calculating the UW-Stevens Point grade point average. The UW-Stevens Point grade point average is determined only by credits and grade points earned at UW-Stevens Point. However, transfer credits and grades ARE included in the calculation of the grade point average in most majors and minors and in the determination of graduation honors.
- If your previous institution awarded “split” grades (AB, BC, etc.), those grades will appear on your UW-Stevens Point degree progress report as follows: AB = B+, BC = C+, CD = D+.
- To graduate from UW-Stevens Point, you must **earn at least 30** of the total number of credits required for graduation in residence at this university.

Transferring Credit from another UW System Institution or Wisconsin Technical College

You may transfer up to a total of 72 credits in UW College or other two year college courses. You will receive lower division (100-200 level) credit for any courses you transfer from UW Colleges. Exceptions can be granted by the appropriate dean. We recommend that you consult the UW System’s online Transfer Information System (TIS) for timely and accurate information on course equivalencies between the UW College campuses and UW-Stevens Point.

Access TIS at <http://tis.uwsa.edu>.

Using TIS you can determine how your UW College courses will transfer and which UW-Stevens Point general degree requirements they will fulfill.

If you transfer from a UW College and are enrolled continually (excluding summers), you will have the option of observing UW-Stevens Point degree requirements that were in effect when you first enrolled at the UW College.

Transferring Credit from Wisconsin Technical Colleges

If you have been enrolled in the Wisconsin Technical College System (WTCS) and wish to continue your education at UW-Stevens Point, you may be eligible to transfer credits toward your bachelor’s degree in the following ways:

- If you are or have been enrolled in the Liberal Arts Transfer program at Madison Area Technical College, Milwaukee Area Technical

College, Chippewa Valley Technical College, Western Technical College, or Nicolet Area Technical College, you may be eligible to transfer up to 72 credits toward your baccalaureate degree.

- If you earned an approved bachelor or associate degree from another UW System institution or an approved associate degree from one of the Liberal Arts Transfer programs at Madison Area Technical College, Milwaukee Area Technical College, Chippewa Valley Technical College, Western Wisconsin Technical College, or Nicolet Area Technical College, you will automatically satisfy the UW-Stevens Point General Education Program requirements, except for the Communication in the Major and Capstone Experience in the Major requirements.
- If you have attended a WTCS institution since September 1, 1985 (not in a college parallel program), you may be eligible to transfer approved WTCS general education courses in communication, social sciences, behavioral sciences, mathematics and natural science. You also may be eligible to transfer certain technical support or occupational credits if they have been approved for transfer by our academic departments or if there is an approved program-to-program articulation agreement between a WTCS associate degree program that you have completed and a program offered at UW-Stevens Point.
- You also may be eligible for credit by earning appropriate scores on national standardized examinations and/or UW-Stevens Point test-out programs that are described later in this section of the catalog.

We recommend that you consult the UW System’s online Transfer Information System (<http://tis.uwsa.edu>) for information on specific WTCS/UW-Stevens Point course equivalencies and articulation agreements, or contact the Admissions Office, Room 102 Student Services Center; 715-346-2441. www.uwsp.edu/admissions

Transfer Information System

If you are transferring to UW-Stevens Point from another UW System institution or a Wisconsin Technical College, we encourage you to consult the Transfer Information System (TIS). This online source of information about credit transfer, course equivalencies, academic requirements and general UW System information may be accessed on the Web at <http://tis.uwsa.edu>. TIS is designed to provide prospective transfer students with current information to help you better prepare for transferring. If you are currently a UW-Stevens Point student, you may find TIS helpful if you plan to take a summer course at another UW System school and transfer it back to UW-Stevens Point, or if you plan to transfer from UW-Stevens Point to another UW institution.

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Transfer Credit Appeal Procedure

Here is the appeal procedure you can follow if you do not agree with the way we applied your transfer credits to the general education requirements.

1. Ask a transfer counselor in the Admissions Office to explain the basis for the current evaluation.
2. If you earned the credits at an institution that is not part of the UW System, submit:
 - a. A copy of the transcript and the UW-Stevens Point evaluation.
 - b. A copy of the course description from the time you took the course. (For example, Iowa State's course description for SOC 105 in 2003.)
 - c. A written request for the action you desire.
3. If you are still not satisfied with our transfer credit evaluation and believe you have sufficient grounds for an appeal, send a written request to the Transfer Credit Appeal Committee, c/o Registrar, UW-Stevens Point. Explain why you feel credit should be granted toward UW-Stevens Point general education requirements. Include copies of the materials listed in 2 above along with the transfer counselor's response. You must file this appeal at least one semester before you expect to graduate.

Advanced Placement, Credit-by-Exam, and Test-Out Opportunities

In addition to traditional classroom instruction, there are a number of opportunities available at UW-Stevens Point for earning credit or meeting course requirements.

These opportunities could allow you to graduate sooner than normal or take advantage of additional coursework outside of your major. If you are a self-learner, have substantial preparation in certain subject matter, or have applicable life experiences, you are encouraged to pursue one or more of the following opportunities.

Advanced Placement Program (AP)

If you are currently a high school student, you can earn college credit if your school participates in the College Board AP Program. High schools participating in the AP program offer college level courses for which examinations are given each May. UW-Stevens Point grants credit for scores of 3, 4 and 5 on all AP exams. AP courses are currently offered in humanities, mathematics, natural sciences and social sciences. If you are awarded credit, it will be entered on your permanent record after you enroll at UW-Stevens Point. Contact your high school counselor or our Admissions Office, Room 102, Student Services Center,

715-346-2441, or see www.uwsp.edu/admissions/Pages/Applying/advancedPlacement.aspx.

College-Level Examination Program (CLEP)

CLEP, also offered by the College Board, offers general examinations covering broad areas such as humanities, natural science and social science, as well as subject areas such as accounting, biology, American history, and psychology. UW-Stevens Point grants credit for acceptable scores on many of the CLEP examinations. Credit will be entered on your permanent record after you enroll at UW-Stevens Point. Contact our Admissions Office (Room 102, Student Services Center, 715-346-2441) or Testing Services (Third Floor, Delzell Hall, 715-346-4472) for additional information. www.uwsp.edu/admissions/Pages/Applying/CLEP.aspx.

Prior Learning Assessment Program

If you have had experiences equivalent to college level learning which relate to coursework at UW-Stevens Point, you may receive college credit for these experiences. For example, you might be eligible to gain academic credit for prior learning from your past employment, volunteer work, publications, or your participation in seminars, workshops, job-related training programs, or military training programs. For further information, see the [Prior Learning Assessment Program](#) section later in this catalog or contact the Student Academic Advising Center, Room 103, Student Services Center, 715-346-3361.

Advanced Standing/Retroactive Credit

Some departments administer placement tests when you first enroll. If the test results indicate that you should start at a higher level than the entering freshman course, you may have the opportunity to earn retroactive credit for the course. In foreign language, for example, you can earn up to 16 retroactive credits if you place into 313 and earn a grade of B- or better. Check the departmental listings in this catalog or contact the department chair for additional information.

Departmental Credit-by-Exam

Check the departmental listings in this catalog or contact the department chair for information about this option.

Test-Out

You may test out and/or receive credit-by-exam for any General Education Program (GEP) course at UW-Stevens Point, except for Writing Emphasis courses. See [Test-Out and Credit-by-Exam Policy](#) under the [General Education Program](#) section of this catalog or contact individual departments for more information about their test-out opportunities.

Additional Information and General Limitations to AP, Credit-by-Exam, and Test-Out

1. Credits earned through the above policies:
 - a. Are recorded on your academic record.
 - b. Have full academic value and apply toward graduation and all other requirements as if you had completed the course through regular enrollment.
 - c. Are not assigned grades, are not calculated in your grade point average and are not included in your semester credit load.
 - d. Do not count toward the minimum 30 credit residency requirement.
2. You may count 32 credits earned under the above policies toward the 120 credits required for graduation or 16 credits toward an associate degree.
3. You may be charged a nominal fee for departmentally administered test-out and credit examinations.
4. The methods for testing and standards for awarding credit or test-out in departmentally administered tests are determined by the department.
5. Individual departments may have additional limitations to these programs which will be identified in the department's section of this catalog.

Finances

Financial Aid Office

Paul Watson, Director
 Room 106, Student Services Center
 Phone: 715-346-4771
 Email: finaid@uwsp.edu
 Web: www.uwsp.edu/finaid

How to Apply for Financial Aid

Apply early: Applications received after May 1 may be awarded less aid as funding becomes depleted.

Complete the **FAFSA (Free Application for Federal Student Aid)** using completed Federal tax returns.

- Apply online at www.fafsa.ed.gov.
 If you previously completed a FAFSA using the government's Internet site, you must reapply using the same method (requires the use of a personal identification number – PIN).
- Or request a paper FAFSA by calling the Federal Student Aid Information Center at 1-800-433-3243. If you are hearing impaired, please contact the TTY line at 1-800-730-8913.

Financial Aid Eligibility

The Financial Aid Office administers UW-Stevens Point's various federal and state financial assistance programs that help students pay their college expenses. They award you funds from need-based programs based on your family's income and assets, the size of your family,

the number of family members in college, and other information which you provide on your application form. To be eligible for most types of assistance, you must:

- Demonstrate a financial need,
- Be admitted to a UW-Stevens Point degree program or teacher certification program,
- Not be in default on a student loan,
- Not have been convicted of selling or possessing illegal drugs while receiving federal student aid,
- Not owe a repayment on a student grant, and
- Be enrolled at least half time (except for Pell Grant recipients).

If you enroll less than full time, your financial aid may be reduced. Also, if you fail to make satisfactory academic progress, you will NOT be eligible to receive financial aid even though you may continue enrollment. Note that audited courses do NOT count toward credit load for financial aid eligibility.

You may be eligible for some types of aid (loans, jobs, and scholarships) whether or not you can demonstrate need. However, since earnings from "regular" jobs may affect future aid eligibility, you should always consult the Financial Aid Office BEFORE seeking other work.

Satisfactory Academic Progress for Financial Aid

In order to be eligible to receive federal financial aid, you must demonstrate "Satisfactory Academic Progress" (SAP) which is a function of the following three components:

Grade Point Average (GPA)

If you are an undergraduate student receiving financial aid, you must maintain a minimum 2.0 UWSP cumulative GPA (all coursework transferred in is considered into this cumulative GPA); if you are a graduate student receiving financial aid, you must maintain a UWSP minimum cumulative GPA of 3.0. Note: Standards of satisfactory academic progress for financial aid are different from the University's probation/suspension requirements listed in the UWSP Catalog. Additionally, academic bankruptcy is not counted when calculating SAP.

Pace (67% Rule)

As a full-time or part-time undergraduate or graduate student at UWSP who receives financial aid, you must stay on pace to graduate on time. Pace is calculated by dividing the total credits you completed per term by the number of credits you have attempted per term. When this calculation falls below 67%, you are no longer on pace to graduate on time and are ineligible to receive financial aid. Transfer credits are considered within this pace calculation as credits attempted and credits earned.

Maximum Time Frame (150% Rule)

As an eligible undergraduate, graduate, or second degree-seeking student, you can receive federal financial aid while attempting up to, but not exceeding, 150% of the university's completion length. Credits transferred to UW-Stevens Point and any credits

attempted at UW-Stevens Point, with or without the benefit of financial aid, must be taken into consideration. As an example, if you are required to earn 120 credits to graduate with a baccalaureate degree, the maximum time frame would be 180 credits ($120 \times 150\% = 180$). You will be required to graduate within two terms following the appeal for maximum time frame. Subsequent appeals for maximum time frame will be reviewed on a case-by-case basis.

Evaluation Process

The GPA, Pace and Maximum Time Frame requirements are evaluated by the Financial Aid Office after every term (Summer/Fall/Spring), once grades are posted. If you do not meet the GPA, Pace, or Maximum Time Frame requirement(s), you will be ineligible to receive financial aid.

Student Options:

1. Choose to continue to enroll in classes without financial aid until you earn an academic standing that meets the minimum criteria for financial aid purposes, i.e. bring the cumulative GPA up to at least a 2.0 if you are an undergraduate student or 3.0 if you are a graduate student, and/or successfully complete 67% of accumulative attempted credits. Once you have corrected the SAP deficiency of Pace/GPA, it is possible for aid to be reinstated.
2. Provide documentation to the Financial Aid Office to correct any errors made, and/or
3. Submit an appeal that explains the extenuating circumstances that prevented successful Satisfactory Academic Progress (SAP) and specific steps on how you will reach SAP by the next evaluation period. This appeal may also require the development and submission of an academic plan.

Appeal Process

If you did not meet SAP for financial aid and are currently ineligible to receive financial aid, you may appeal for reinstatement of eligibility by completing an Appeal for Reinstatement of Financial Aid Eligibility form. This form must include a clear explanation of why you failed to meet SAP and specifically, what steps you plan to take to meet SAP by the next evaluation. Additional documentation confirming the appealed situation may also be required.

Additionally, certain appeals must also include an academic plan identifying dates by which you will meet all aspects of the SAP policy. If the appeal is approved, you are subsequently placed on Financial Aid Probation Status for one term, after which, you must be meeting SAP or be following your approved academic plan. If you are not meeting SAP and/or not following your approved academic plan at the next evaluation, you will not receive Financial Aid until you are once again in compliance.

If you had extenuating circumstances that prevented you from making SAP, you have the right to appeal your situation to the Financial Aid Office. Extenuating circumstances include, but are not limited to, student

injury or illness, death of a relative, or other reasons resulting in undue hardship to you. You must submit the Appeal for Reinstatement of Financial Aid Eligibility form, a copy of your Degree Progress Report (DPR), an Adviser/Chair (or designee)-approved academic plan, and any other related documentation that supports the appeal. Per Federal regulations, an appeal may only be approved if you show that you will be able to meet SAP by the next evaluation, or your academic plan ensures SAP by a specific point in time. Incomplete/inaccurate appeals and/or Academic Plans will not be approved. The authorized Financial Aid officer(s) will serve as the final arbiter of appeals and will inform you of the decision regarding your appeal and the status of your financial aid eligibility. All decisions are final and are not subject to further appeal.

If denied, you may attend UW-Stevens Point, without financial aid, and re-appeal when all components of SAP are met. If the appeal is approved, you are placed on Financial Aid Probation Status for one term, after which, you must be meeting SAP or be following your approved academic plan. If you are not meeting SAP or following your academic plan at the next evaluation, you will be ineligible to receive financial aid until you are in compliance.

Academic Plan

Certain appeals require an academic plan identifying dates by which you will meet all aspects of the SAP policy. If you have an undeclared major, you should meet with an Academic Adviser in the Student Academic Advising Center (SAAC) and if you have declared a major, you should meet with the Chair (or their designee) of your academic area to create your own individualized academic plan. Whomever you meet with and whoever makes the decision on the appeal must sign off on this.

An academic plan is automatically required if you have a cumulative GPA of 1.8 or lower if you are an undergraduate student and GPA of 2.8 or lower if you are a graduate student. Failure to earn credits in a term greater than 50% of attempted coursework will also automatically require an academic plan. An academic plan is also required if you are appealing the Maximum Time Frame (greater than 150%).

For more information go to
www.uwsp.edu/finaid/pages/SAP.aspx

Financial Aid

When you apply for financial aid, you are considered for all programs listed below that are based upon need. You may also apply for other forms of assistance.

Grants and Waivers, Need-Based

ACADEMIC FEE INCREASE GRANT: The Tuition Increase Grant program provides grants up to the actual dollar increase in base tuition to students whose family income is less than \$60,000 and who do not receive a Wisconsin Higher Education Grant. A grant may not

exceed the amount of a student's unmet need, and students must be enrolled at least half-time. This program is subject to state funding.

Indian Student Assistance: State awards up to \$1,100, that is usually matched with a tribal grant, to Wisconsin Indian students who show financial need.

Lawton Retention Grant: Awarded to Wisconsin and Minnesota undergraduate diversity students with sophomore standing and a minimum 2.00 GPA.

Nonresident Tuition Waiver: A partial waiver of the nonresident fee for full time students, based on need, debt, class level, and eligibility for other grants.

Pell Grant: Awards up to \$5,550 to undergraduates, determined by the Pell Grant Administration, based on need and the cost of room, board, and tuition.

Supplemental Educational Opportunity Grant:

Awards up to \$1,000 to exceptionally needy undergraduate students.

Wisconsin Handicapped Grant: Awards up to \$1,800 to legally deaf or blind students.

Wisconsin Higher Education Grant: Awards based on need up to \$2,560 per academic year as determined by the Wisconsin Higher Educational Aids Board.

Wisconsin Talent Incentive Program: Awards from \$300-\$1,800 to disadvantaged Wisconsin residents.

Loans, Need-Based

Perkins Loan: Loans up to \$2,000 annually, with a maximum total of \$27,500 for all undergraduate years. The graduate student cumulative maximum is \$30,000 which includes any amount borrowed for undergraduate study.

Subsidized Direct Loan: \$3,500 the first year, \$4,500 the second, and up to \$5,500 in subsequent years, to an undergraduate maximum of \$23,000. As of July 1, 2012, federal regulations prohibit awarding subsidized Direct loans to graduate students.

Loans, NOT Need-Based

Unsubsidized Direct Loan: Loans up to full educational cost less all other financial aid (including need-based Stafford Loans). The maximum amount that you may borrow is governed by the same limits as the need-based Subsidized Stafford loan (except that the limits are higher for independent students: + \$6,000 for freshmen and sophomores; + \$7,000 for juniors and seniors; + \$8,500 for graduates).

PLUS or Graduate PLUS Loan: Loans of up to the cost of education less all other aid. These loans will be provided only by special request.

Private Alternative Educational Loans: Loans from commercial lenders to help meet unmet financial need or cover assessed family contribution. These are last resort loans, which should only be considered if needed after receiving regular financial assistance.

Jobs for Students

Need a job? The Student Involvement and Employment Office (SIEO), located at 050 Dreyfus University Center, 715-346-2174, works to connect students and

employers. The SIEO lists jobs online at www.uwsp.edu/centers/sieo are viewable only by current UW-Stevens Point students. The SIEO can assist you with the following employment programs:

- Federal Work Study Program: Eligibility is based on financial need. Jobs range from on-campus lab assistants, office staff, and intramural officials to off-campus positions in the Stevens Point School District, Parks and Recreation Department, and St. Michael's Hospital. You can view open positions at the SIEO website, www.uwsp.edu/centers/sieo.
- Non-Work Study Jobs: Over half of the on-campus positions are NOT work study, with many more opportunities off campus. Visit the SIEO website for listings of current positions.

Scholarships

Miscellaneous Scholarships or Awards: There are several places you can go to get information about scholarships:

- The Admissions Office has information about scholarships for incoming freshmen.
- Check with curricular department offices for awards available for majors in specific courses of study.
- See the UWSP Foundation Web page www.uwsp.edu/foundation/Pages.scholarshipdirectory.aspx for information about general and nontraditional scholarships.

Military Scholarships

Army ROTC Scholarship: Army ROTC offers opportunities for merit based scholarships at UW-Stevens Point. The scholarships will pay either full tuition & fees or room & board. Contracted scholarship cadets will also receive a \$1,200 per year book allowance and \$300-500 per school month for living expenses. High school students may compete for a four-year scholarship online at www.goarmy.com/rotc. On-campus students should contact the Scholarship & Enrollment Officer to determine their eligibility for a two, three, or four-year scholarship. Additional adventure training like airborne or air assault is also available to contracted cadets. For more information contact the Military Science Department, Room 159 Health Enhancement Center, phone 715-346-3821, email rotc@uwsp.edu, or go to www.uwsp.edu/rotc.

Simultaneous Member Program (SMP): This program allows you to participate in ROTC and the Army Reserve or National Guard as "officer trainees" to gain even more experience. In addition to the educational benefits that you already receive, SMP cadets may be eligible for MGIB "kickers", increases in drill pay, and scholarships. For more information contact the Military Science Department, Room 159 Health Enhancement Center, phone 715-346-3821, email rotc@uwsp.edu, or go to www.uwsp.edu/rotc.

Leader Training Course (LTC): This obligation free, 28-day summer camp is held in Fort Knox, Kentucky. It is a "catch-up" program for students who have not taken the first two years of ROTC classes. Upon completion of

LTC, you can receive eight elective credits; you may also be eligible for a contracting bonus, as well as an opportunity to earn a two-year scholarship. For more information contact the Military Science Department, Room 159 Health Enhancement Center, phone 715-346-3821, email rotc@uwsp.edu, or go to www.uwsp.edu/rotc.

Special Fee Remission Consideration

There are a limited number of partial and full tuition fee remissions available for outstanding new nonresident students annually. To qualify, applicants must (1) be nominated by a university faculty or staff member and show evidence of academic excellence as reflected in a high school class rank in the top 20 percent or better; OR (2) present at least a 3.50 high school grade point average, or an ACT score of 25 or better and demonstrate evidence of outstanding co-curricular and extracurricular leadership, or artistic, dramatic, or musical special talent. This type of fee remission is not based on need and may be renewed. Special consideration will be given to students reflecting potential contributions to university cultural diversity leadership. For full consideration, send nominations and applications each year by November 1 to the University Special Fee Remission Committee, Room 134, Old Main Building.

Return to Wisconsin Tuition Discount

Nonresident children and grandchildren of UW-Stevens Point alumni may be eligible for a discount of 25 percent off the regular nonresident tuition rate. Contact the Admissions Office, 715-346-2441, for more information.

Military Service Benefits

Veterans, active National Guard members, and Reservists, may be eligible for monetary educational benefits while attending school. Please contact the Veterans Coordinator located in the Office of the Registrar, Room 101, of the Student Services Center or by calling 715-295-8947. The Portage County Veterans Service Officer (CVSO), 715-346-1310, can also provide information regarding these benefits.

Tuition and Fees

Below are estimated costs per semester of Tuition and Fees when you enroll for the 2013-14 school year. The costs will change during the life of this catalog. To find out the most current costs, visit the Accounts Receivable website: <http://www.uwsp.edu/busaffairs/ar/Pages/tuitionrates.aspx>

Minnesota residents must have approval for reciprocity. Your high school counselor can give you information about how to apply or go to www.mheso.state.mn.us.

Estimated Rates 2013-14 # of Credits	Wisconsin Residents		Minnesota Residents	
	Undergrad Costs*	Grad Costs*	Undergrad Costs*	Grad Costs*
1	\$380.24	\$545.48	\$400.48	\$573.93
2	757.44	1087.94	797.92	1144.84
3	1134.65	1630.396	1195.37	1715.74
4	1511.86	2172.84	1592.82	2286.64
5	1889.07	2715.29	1990.27	2857.54
6	2239.41	3230.88	2360.85	3401.58
7	2521.98	3678.70	2663.66	3877.85
8	2804.55	4126.51	2966.47	4354.11
9	3087.12	4574.33	3269.28	4830.38
10	3369.69	4574.33	3572.09	4830.38
11	3652.26	4574.33	3847.90	4830.38
12-18	3934.83	4574.33	4177.71	4830.38
19+	380.24/cr	545.48/cr	400.48/cr	573.93/cr

Out-of-State (except Minn.)

# of Credits	Undergrad	Grad
	Costs*	Costs*
1	\$695.78	1052.75
2	1388.52	2102.48
3	2081.27	3152.20
4	2774.02	4201.92
5	3466.77	5251.64
6	4730.76	6274.50
7	5328.87	7229.59
8	5926.98	8184.67
9	6525.09	9139.76
10	7123.20	9139.76
11	7123.20	9139.76
12-18	7721.31	9139.76
19+	564.29/cr	1052.75/cr

*The total cost includes five segregated fees and a Green Fund fee: University Centers fees, student activity fee for recreational services, text rental fee (undergraduates only), student health fee for medical care, and a municipal service fee for various. For a more complete breakdown, visit the Student Affairs website at www.uwsp.edu/stuaffairs/Pages/segregatedfees.aspx.

Tuition Surcharge

If you are a resident student working toward your first degree and accumulate 165 credits (or 30 credits more than required by your degree program, whichever is greater), you will be assessed a surcharge equal to 100% of the regular resident tuition on all credits beyond 165.

1. Only credits earned at UW-Stevens Point or transferred from a UW System or Wisconsin Technical College institution count toward the 165 credits.
2. Advanced placement (AP), credit-by-exam, retroactive credit, remedial credit, and other nontraditional credits do NOT count toward the 165 credits.
3. The surcharge begins in the term following the one in which you reach 165 credits.
4. To appeal, contact your dean's office or Office of the Registrar at 715-346-4301.

Financial Appeals for Tuition and Fees

UW System Policy

If you who wish to appeal charges resulting from a withdrawal from a class or the University, you may file a Request for a Refund Appeal form with the Enrollment Service Center.

Refund appeals are processed monthly. Appeals will be granted in accordance with University of Wisconsin System Refund Policies and the Department of Education regulations relating to Title IV. Appeals will only be granted for extenuating reasons that are appropriately documented (see documentation requirements on the Enrollment Service Center website).

Thirty days after the last class day of the term in which the courses were offered (excluding the final exam period) is the last day for any tuition appeals to be considered for approval. Tuition appeals for any prior terms are not permitted. Refund appeals are reviewed by the Refund Appeals Committee. Results of appeals reviewed by the Committee are final and binding.

Matriculation Fee

Beginning Fall 2012, a one-time, non-refundable \$175 Matriculation Fee will be applied to all new freshmen and new transfer student tuition bills during your first term of enrollment. For additional information visit: www.uwsp.edu/stuaffairs/Pages/segregatedFees.aspx.

Wisconsin Residency Requirements

Section 36.27(2) of the Wisconsin State Statutes (below) lists all the requirements for Wisconsin residency. It is your responsibility to register correctly as a resident or nonresident. Contact the Admissions Office, Room 102, Student Services Center, 715-346-2441, for interpretation and further information about your proper residency classification. If you wish to request a change in your residency classification, contact the Admissions Office for the proper forms.

Minnesota Residents: If you meet Minnesota residency requirements at a public institution in Minnesota, you may be eligible to pay the established reciprocity fee for coursework taken at UW-Stevens Point. Contact the UW-Stevens Point Admissions Office, Room 102, Student Services Center, for more information or to www.getreadyforcollege.org

Midwest Exchange Program

The Midwest Student Exchange Program (MSEP) was established by the Midwestern Higher Education Compact to provide qualified students with a more affordable means of attending an out-of-state institution. Students who are residents of a participating state may apply to attend UW-Stevens Point at a significantly reduced tuition rate. To participate, students must be a legal resident of Illinois, Indiana, Kansas, Michigan, Missouri, Nebraska, or North Dakota. For more

information, see

www.uwsp.edu/admissions/Pages/Affordability/midwestStudentExchangeProgram.aspx.

Wisconsin Statutes Section 36.27(2):

(a) Students qualifying under any of the following categories, while they continue to be residents of this state, are entitled to exemption from nonresident tuition but not from incidental or other fees:

Adult students: Any adult student who has been a bona fide resident of the state for 12 months next preceding the beginning of any semester or session for which such student registers at an institution, OR any adult student who is a dependent of his or her parents under 26 USC 152(a) if one or both of the student's parents have been bona fide residents of this state for at least 12 months next preceding the beginning of any semester or session for which the student registers at an institution.

Minors: Any minor student, if one or both of the student's parents have been bona fide residents of this state for at least 12 months next preceding the beginning of any semester or session for which the student registers at an institution; OR any minor student who has resided substantially in this state during the years of minority and at least 12 months next preceding the beginning of any semester or session for which such student registers at an institution.

Minors under guardianship: Any minor student under guardianship in this state pursuant to ch. 48 or 880 whose legal guardian has been a bona fide resident of this state for at least 12 months next preceding the beginning of any semester or session for which such student registers at an institution.

Migrant workers: Any adult student who has been employed as a migrant worker for at least two months each year for three of the five years next preceding the beginning of any semester or session for which the student registers at an institution, or for at least three months each year for two of the five years next preceding the beginning of any semester or session for which the student registers at an institution; any adult student whose parent or legal guardian has been so employed while the student was a minor; and any minor student whose parent or legal guardian has been so employed. In this subdivision, "migrant worker" has the meaning specified in 103.90(5).

Refugees: (am) Any person who is a refugee, as defined under 8 USC 1101(a)(42), who moved to this state immediately upon arrival in the United States and who has resided in this state continuously since then is entitled to the exemption under par. (a) if he or she demonstrates an intent to establish and maintain a permanent home in Wisconsin according to the criteria under par. (e).

Armed forces, nonresident: (b) Nonresident members of the armed forces and persons engaged in alternative service who are stationed in this state on active duty and their spouses and children are entitled to the exemption under par. (a) during the period that such persons are stationed in this state.

Armed forces, resident: (b) Members of the armed forces, who reside in this state and are stationed at a federal military installation located within 90 miles of the borders of this state, and their spouses and children, are entitled to the exemption under par. (a).

Veterans: Nonresident persons who served in active duty in the U.S. armed forces for at least 10 years, who were honorably discharged from such service within four years before registering at an institution, and who filed state income taxes for at least 8 of the last 10 years of active duty in the U.S. armed forces, and their spouses and children are entitled to exemption under par. (a). A person who was a resident of this state at the time of entry into active duty, who is a resident of and living in this state at the time of registering at an institution, and who is a veteran, as defined in s.45.01(12), is entitled to the exemption under par. (a).

Graduates of Wisconsin high schools: (c) Any student who is a graduate of a Wisconsin high school and whose parents are bona fide residents of this state for 12 months next preceding the beginning of any semester or session for which the student registers at an institution or whose last surviving parent was a bona fide resident of this state for the 12 months preceding death is entitled to the exemption under par. (a).

Relocate for employment purposes: (cm) Any person continuously employed full time in this state, who was relocated to this state by his or her current employer or who moved to this state for employment purposes and accepted his or her current employment before applying for admission to an institution or center and before moving, and the spouse and dependents of any such person, are entitled to the exemption under par. (a) if the student demonstrates an intent to establish and maintain a permanent home in Wisconsin according to the criteria under par. (e). In this paragraph, "dependents" has the meaning given in 26 USC 152(a).

General residency information: (d) Any person who has not been a bona fide resident of the state for 12 months next preceding the beginning of any semester or session for which such person registers at an institution, except as provided in this subsection, is not exempt from the payment of the nonresident tuition.

Determining eligibility to pay resident fees: (e) In determining bona fide residence at the time of the beginning of any semester or session and for the preceding 12 months, the intent of the person to establish and maintain a permanent home in Wisconsin is determinative. In addition to representations by the student, intent may be demonstrated or disproved by factors including, but not limited to, timely filing of a Wisconsin income tax return of a type that only full-year Wisconsin residents may file, voter registration in Wisconsin, motor vehicle registration in Wisconsin, possession of a Wisconsin driver's license, place of employment, self-support, involvement in community activities in Wisconsin, physical presence in Wisconsin for at least 12 months preceding the beginning of the semester or session for which the student registers, and, if the student is not a U.S. citizen, possession of a visa that permits indefinite residence in the United States. Notwithstanding par. (a), a student who enters and remains in this state principally to obtain an education is 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.

Appeals: (2m) APPEALS. Anybody designated by the board to hear appeals regarding nonresident tuition exemptions under sub. (2) may require a student who has been granted such an exemption to submit information from which the body may determine the student's continuing eligibility for the exemption, the student's eligibility for a different exemption, or the student's residency status.

Billing and Payment of Tuition/Fees

Payment Plan Options:

1. **Full Payment Plan:** All students are required to pay a \$100 registration deposit prior to registration. Then, full payment must be received by the Bursar's Office by the first day of classes to avoid finance charges which will be assessed from the first day of each term. For charges that are assessed to your account during the term, payment is due by the due date of the billing statement.
2. **Partial Payment Plan:** The University offers a partial payment plan which provides for payments to be made in two equal installments following the initial \$100 registration deposit. The charges may include academic and segregated fees, room, board, special course fees and miscellaneous charges. You will be assessed a finance charge for each billing period in which you have not paid the balance in full by the billing due date.

Please note that if you withdraw from school before paying in full, you must still pay whatever amount is

due for the semester. See the [Refund Schedule](#) below for information on how much you pay, depending on the point in the semester when you withdraw from UW-Stevens Point.

Finance Charges

Finance charges begin on the first day of classes. We calculate them on your previous balance (exclusive of previous finance charges) reduced by the payments you have made and credits we have applied during the billing period. We calculate the finance charge at the rate of .041095 percent per day (1.25 percent per month or 15 percent per year) on the portion of your balance that is \$500 or less. We calculate it at the rate of .032877 percent per day, (1 percent per month or 12 percent per year) on the portion of your balance that is over \$500. If you are an undergraduate special student, graduate special student or graduate student, you will be billed according to the course level credits for which you enroll. Courses numbered 100 to 499 are undergraduate courses; courses numbered 500 to 999 are graduate courses.

To avoid or reduce your finance charges, you may pay more than your required minimum payment at any time. You may also pay your remaining balance completely at any time.

Billing Amounts Due if Choosing the Partial Payment Plan

Fall and Spring terms:

1. First statement: For information only. Your \$100 registration deposit has already been received and there is no required payment due at this time. However, finance charges will be assessed on any unpaid balance as of the first day of each term.
2. Second statement: Created approximately the second week of classes, this statement requires a minimum payment of 50% of the balance plus finance charges.
3. Third statement: Created approximately the sixth week of the semester, 100% of any remaining balance plus finance charges will be due.
4. Fourth statement: Created approximately the tenth week of classes, pay any further charges plus all finance charges.

Summer term:

1. First statement: The full balance is due. Finance charges accrue until your balance is paid in full. If you have an unpaid balance on your account, you will not receive your transcript or diploma. You will not be able to register for future courses until your balance has been paid in full.

E-Billing

UW-Stevens Point electronic billing is the official means of generating tuition bills for all enrolled students. You will receive a notice in your university email account when your UW-Stevens Point E-Bill is ready to be viewed online. A UW-Stevens Point logon and password are required to access the billing statement which details the amount due (tuition, fees, housing, and other university charges) and the payment due date. Paper

billing statements are no longer sent to enrolled students.

Credit Agreement

Every student must sign a credit agreement card upon registration at UW-Stevens Point. You only need to sign this card once during your enrollment period. Billing details can be found on the Accounts Receivable website

(www.uwsp.edu/busaffairs/ar/Pages/default.aspx).

Under "Tuition & Billing", choose "Electronic Billing."

If you make delayed payments from financial aid, loans, grants, scholarships or vocational rehabilitation awards, also sign the credit agreement application card. You are responsible for finance charges on your unpaid balance.

Billing Errors

If you think your bill is wrong, write us a note about the error within 60 days of receiving your billing statement. Be sure to include your name, your student ID number, the amount of the error, and a brief explanation of why your bill is wrong. Mail the note to: Accounts Receivable, Room 003, Student Services Center, UW-Stevens Point, Stevens Point, WI 54481-3897. If only part of your bill is wrong, then pay the correct portion of the bill by the due date.

Refund Schedule for Tuition and Fees

You must send **written** notification to the Office of the Registrar as soon as you decide to cancel your enrollment or withdraw from UW-Stevens Point.

There is no fee assessed if you cancel your registration prior to the first day of the semester.

See the section of this catalog entitled [Withdrawing from UW-Stevens Point](#) for further information on this subject. The table below tells what percentage of your tuition and fees are reduced when you completely withdraw from UW-Stevens Point after the first day of classes.

Session Length (wk)	Withdrawal during Week				
	1	2	3	4	5+
12 or more	100%	100%	50%	50%	0
8 thru 11	100%	50%	25%	0	0
5 thru 7	100%	50%	0	0	0
3 and 4	100%	25%	0	0	0
2	100%	0	0	0	0

All students withdrawing from classes will be assessed the following withdrawal fees:

Withdrawals effective the first week of classes will be assessed \$100.00.

SPECIAL NOTE TO FINANCIAL AID RECIPIENTS

WHO WITHDRAW: You may be required to repay all or a portion of the aid received and/or forfeit your financial aid eligibility. Contact the Financial Aid Office for details: 715-346-4771 or www.uwsp.edu/finaid.

On-Campus Living (Room and Board)

At UW-Stevens Point, most students are required to live in residence halls until they have completed four semesters of college work. This is a UW System Board of Regents policy. If you are married, a veteran, living with your parents, or receive a special exemption because you have been out of high school two years or more, you need not comply with this requirement.

In fall 2012, a double room cost \$1794 each semester (\$1894/semester in renovated halls) and \$2472 each semester (\$2572/semester in renovated halls) for a single room in a traditional residence hall; accommodations in the Suites@201 are contracted for an entire academic year with billing on a semesterly basis (\$2666/semester).

Cost for meal plans range from \$1170 to \$1375 per semester, depending upon the plan you select.

Refunds: If you want to receive a refund of \$100 of your room prepayment on an academic year contract, request it before July 1. If you want to receive a refund of your room prepayment on a second semester contract, request it before December 15. If you are a junior or senior using the one semester option, you must request a refund of your prepayment by December 15 to receive refund in February.

If you get married, student teach, or participate in curricular programs which require off-campus living, you may request release from your residence hall agreement. To do this, go to Residential Living Office in the 601 Division St. Building.

If you withdraw from UW-Stevens Point, you must also terminate your residence hall agreement. We prorate all room and board refunds from the Sunday after you terminate your contract.

Majors, Minors, etc.

UW-Stevens Point offers the Bachelor of Arts, Bachelor of Fine Arts, Bachelor of Music, Bachelor of Science, and Associate degrees. The list below includes majors ■, minors ●, concentrations, options, areas of emphasis, and other significant courses. Topics that are teacher certifiable are marked with ◆.

Accounting ■●
Adventure Education ●
American Studies ■● (Options) American Studies, Working in a Global Economy
Anthropology ●
Aquaculture/Fish Culture ●
 Arabic
Art ■ (Bachelor of Arts) (Areas of Emphasis) Art Historical, Studio Art
Art ■ (Bachelor of Fine Arts) (Areas of Emphasis) Two-Dimensional, Three-Dimensional, Graphic Design
Art History ●
Arts Management ■
 Astronomy
Athletic Training ■
Bilingual-Bicultural Education ◆
Biochemistry ■
Biofuels Engineering ●
Biology ■●◆ (Areas of Emphasis) Aquatic Biology, Biobusiness, Biotechnology, Botany, Ecology/ Environmental, Education, Microbiology, Natural History, Zoo and Aquaria, Zoology (also see *Preprofessional*)
Biomedical Writing ●
Broadfield Language Arts ◆ (also see *English*)
Business Administration ■● (Concentrations) Entrepreneurship; Finance, Insurance & Real Estate; Foreign Language: French/ German/ Spanish; Forest Recreation, International Business; Management; Marketing; Soil Science, Wood Products Industry
Captive Wildlife ● (also see *Wildlife Ecology*)
Chemistry ■●◆ (Option) Polymer
Chemistry, ACS certified ■ (Option) Polymer
Child and Family Studies ●
 Chinese
Clinical Laboratory Science ■ (Options) Cytotechnology, Histotechnology Medical Technology,
Coaching ●◆
Communication ■● (Areas of Emphasis) Interpersonal and Organizational, Media Studies, Public Relations
Communicative Disorders ■◆
Comparative Literature ●
Computer Information Systems ■● (Options) Application Development and Support, Networking and Information Assurance
Conservation Biology ●
Creative Writing ●
Dance (See *Theatre and Dance*)
Dietetics ■
Drama (see *Theatre and Dance*)
Earth Science ●◆
Economics ■●◆ (Options) Social Science, Business Economics
Education, Early Childhood ■◆
Education, Elementary ■◆

Education, Special ■●◆
Education, Secondary Certifications ◆
English ■●◆
English as a Second Language ● (Also see *Teaching ESL*)
English as Second Language Program
English for Elementary Education ●◆
Environmental Communication ●
Environmental Educ for Elementary/Middle School ●◆
Environmental Education/Interpretation ● (Also see *Resource Management*)
Environmental Geography ●
Environmental Law Enforcement ●
Environmental Studies ●◆
Family and Consumer Sciences ■◆ (Options) Teacher Education, Family Life Education
Fisheries and Water Resources ■ (Options) Fisheries, Hydrology, Water Resources
Forest Recreation ●
Forestry ■● (Options) Forest Management, Forest Administration and Utilization, Urban Forestry, Forest Recreation, Forest Ecosystem Restoration and Mgmt.
French ■●◆ (Concentration) Culture Studies
Geographic Information Systems and Spatial Analysis ●
Geography ■●◆ (Options) GIS and Cartography, Human Geography, Physical Geography, Urban Planning
Geology ●
Geoscience ■◆ (Options) Environmental Analysis, Hydrogeology, Biogeoscience
German ■●◆ (Concentration) Culture Studies
Gerontology ●
Health and Wellness Management ■
Health Education ●◆
Health Information Management and Technology ■
Health Promotion (Wellness) ■ (Emphasis) Health and Wellness Coaching
Health Science ■ (Options) Health Care Administration, Health Care Informatics, Pre-Occupational Therapy, Pre-Physical Therapy
History ■●◆ (Concentration) Race and Ethnicity Hmong
Individually Planned Major ■
Interior Architecture ■
International Resource Management ●
International Studies ■● (Concentrations) African & Middle Eastern Studies; Asian Studies; Australian, New Zealand & SW Pacific Studies; Enhanced; European Studies; Latin American Studies; Russian/Eastern European Studies; Global Studies; Honors
 Japanese
Land Use Planning ● (Also see *Resource Management*)
 Library Resources
Mathematics ■●◆ (Area of Emphasis) Actuarial
Mathematics, Applied ●
Mathematics for Elementary Education ●◆
 Medical Technology (See *Clinical Laboratory Science*)
Military Science (Army ROTC) ●
Music ■◆ (Bachelor of Music) (Options)
 Performance—Piano, Voice, String, Wind, Percussion;
 Jazz—Performance, Composition/ Arranging;
 Music Educaton – Instrumental, Choral, General;
 Music Literature
Music ■ (Bachelor of Arts)

- Music** ●
- Musical Theatre** (See *Theatre and Dance*)
- Native American Studies** ●
- Natural Science** ■◆ (Options) Earth Science, Life Science, Physical Science
- Natural Science, Broad-field** ●
- Nursing** ■ (pending)
- Paper Science and Engineering** ■
- Peace Studies** ●
- Philosophy** ■● (Concentrations) Environmental Ethics, Religious Studies
- Physical Education** ■◆
- Physical Education for Exceptional Individual** ◆
- Physics** ■●◆ (Areas of Emphasis) Applied Electronics, Applied Mechanics
- Political Science** ■●◆
- Polish
- Prenursing** (Degree through UW-Eau Claire in cooperation with St. Joseph's Hospital-Marshfield and UW-Stevens Point)
- Preprofessional** (Areas of Emphasis) Chemical Engineering, Chiropractic, Dental, Engineering, Law, Medical, Mortuary, Nursing, Occupational Therapy, Optometry, Pharmacy, Physical Therapy, Physician Assistant, Veterinary
- Professional Writing** ●
- Psychology** ■●◆ (Concentration) Human Services
- Public Administration and Policy Analysis** ■●
- Religious Studies** ● (Also see *Philosophy*)
- Resource Management** ■●◆ (Also see *Human Dimensions of Natural Resource Management*) (Options) Environmental Education/ Interpretation, General, Land Use Planning, Natural Resources Social and Policy Sciences, Resource Management Law Enforcement, Wildland Fire Science, Youth Programming and Camp Management
- Russian
- Small City Analysis** ●
- Social Science** ■●
- Social Science, Broad-field** ■●◆
- Social Science in Health** ●
- Social Work** ■
- Sociology** ■●◆ (Areas of Emphasis) Deviance/Social Control, Family/Socialization, Community/Environment, (Concentrations) Adult Life and Aging, Applied Sociology
- Soil and Waste Resources** ■● (Options) *Soil and Land Management, Soil Science, Waste Management*
- Soil Science** ●
- Spanish** ■●◆ (Concentration) Culture Studies
- Strength and Conditioning** ●
- Sustainable Energy** ●◆
- Teaching English as a Second Language** ●◆
- Theatre and Dance** (Options) Dance ■●, Drama– Acting, Design and Technology ■● Musical Theatre■
- Undecided/Undeclared
- Water Resources** ●
- Web and Digital Media Development** ■● (Focus) Design, Technical
- Wellness** (See *Health Promotion*)
- Wildlife** ●
- Wildlife Ecology** ■
- Women's and Gender Studies** ●
- Youth Programming and Camp Management** ● (Also see *Resource Management*)

Degree Types

Undergraduate Degree Types Offered at UW-Stevens Point

UW-Stevens Point offers four distinct baccalaureate degrees and an associate's degree. Below, each degree is generally defined. The requirements for the associate's degree are the same for all students at UW-Stevens Point. For baccalaureate degrees, individual academic programs have the flexibility to determine which degrees are offered through their major and the specific requirements. Academic programs have the responsibility to do so within the framework of the general definitions below and in support of UW-Stevens Point's general education mission to equip you with the knowledge and skills to facilitate intellectual and personal growth, pursue your advanced studies, and improve the world in which you live.

The requirements below are common to all baccalaureate degrees at UW-Stevens Point:

- Complete the General Education Program (GEP) requirements
- Complete the requirements of a major
- Earn a minimum of 30 credits in residence at UW-Stevens Point
- Earn at least 40 credits at the 300 level or above
- Earn a minimum of 120 credits
- Earn a minimum 2.0 gpa in credits attempted at UW-Stevens Point
- Earn a minimum 2.0 gpa overall, including both UW-Stevens Point and transfer credits

Each academic program will build on the foundation provided by the General Education Program by developing its own mission, goals, and program learning outcomes. In doing so, programs will comply with the following degree requirements, which must be assessed within each major:

Bachelor of Arts (BA)

The BA is a liberal arts degree intended to develop skills and talents essential to succeeding in a global society. It combines study of the arts, humanities, historical perspectives, and the natural and social sciences with advanced critical inquiry and an in-depth knowledge in an academic discipline (major). The program develops cultural, social, and political literacy, including the abilities to communicate effectively and clearly in writing and in speech, and to understand on a basic level a world language other than one's own.* In so doing, it fosters the ability to understand and actively participate in discourses both within and beyond the field of your major (such as a minor or second major), and it promotes engagement with cultural, social, and political difference.

* A two-semester sequence of university entry level world language courses (101, 102) is required. The requirement may be fulfilled through equivalent coursework or other language acquisition as

demonstrated through a test out policy (including Native American languages and American Sign Language). If your native language is not English and you can document formal high school or university study of your native language, then you may use ENGL 101 and 202, or ENGL 150 as a means of fulfilling this foreign language requirement.

Bachelor of Science (BS)

The BS is a liberal arts degree intended to develop skills and talents essential to professional work. It combines study of the arts, humanities, historical perspectives, and the natural and social sciences with advanced critical inquiry and an in-depth knowledge in a specific academic discipline (major). The program develops an understanding of empirical analysis, scientific methodology and protocols, and mathematics and quantitative techniques. In so doing, it equips you for continued engagement in professional research within your chosen field.

Bachelor of Fine Arts (BFA) and Bachelor of Music (BM)

The BFA and BM are professional degrees focusing intensive study and practice in the fine arts, performing arts, and design fields through a specific academic discipline (major). Essential artistic and intellectual development is achieved through building practical experience, repertoire, and mastery within the chosen discipline and through critical inquiry into cultural, historical, and technical aspects relevant to the defined profession. Standards for the BFA and BM are established by national accreditation agencies and implemented in the major at the department level.

Relationship Between General Education Program and Degree Types

The General Education Program (GEP) applies to all students regardless of degree type (BA, BS, BM, and BFA). In addition to the GEP, there are degree requirements for the BA, BS, BM, and BFA which have been integrated into majors. See the General Education Program section in this Catalog.

Earning Multiple Baccalaureate Degrees

Upon the implementation of the new GEP and the new degree type requirements, you will be permitted to receive two separate diplomas if you complete the requirements for multiple different baccalaureate degree types concurrently.

You may want to return to school after graduating to complete additional majors or minors. You may do so without earning a second degree. However, if you have earned one bachelor's degree, you may subsequently earn a second by completing all requirements for the second degree.

You may use courses you completed for your first degree to satisfy requirements for your second degree. The major for your second degree must be an approved major for that degree.

Associate Degree (AD)

The Associate Degree (A.D.) is a liberal arts foundational degree for many college majors and is confirmation of an important accomplishment on the path to a bachelor's degree. Meeting the four program outcomes of the General Education Program requires the following: demonstrate the critical thinking, quantitative, and communication skills necessary to succeed in a rapidly changing global society; demonstrate a broad knowledge of the physical, social, and cultural worlds as well as the methods by which this knowledge is produced; recognize that responsible global citizenship involves personal accountability, social equity, and environmental sustainability; and be able to apply this knowledge and skills, working in interdisciplinary ways to solve problems. The Associate Degree requires the completion of the General Education Program, except for the Communication in the Major and the Capstone Experience in the Major.

The following requirements apply to all Associate Degrees at UW-Stevens Point:

- Complete the General Education Program requirements, except for Communication in the Major and Capstone in the Major
- Earn a minimum of 15 credits in residence at UW-Stevens Point
- Earn a minimum of 60 credits.
- Meet the UW System associate degree guidelines.
- Earn a minimum 2.0 gpa in credits attempted at UW-Stevens Point
- Earn a minimum 2.0 gpa overall, including both UW-Stevens Point and transfer credits

If you want to pursue a Bachelor Degree, be sure to tell your adviser. Your adviser can help you select elective credits which may be applied to your future major for the Bachelor Degree.

For more information about the Associate Degree requirements, please visit:

Student Academic Advising Center
Room 103, Student Services Center
Phone: 715-346-3361
Fax: 715-346-3724
Email: saac@uwsp.edu

General Education Program (GEP)

The General Education Program (GEP) provides the framework of a liberal education, equipping you with the knowledge and skills to facilitate intellectual and personal growth, pursue your advanced studies, and improve the world in which you live.

(For information on **General Degree Requirements**, go to www.uwsp.edu/acadaff/Catalog%20PDF/2011-13finalcatalog.pdf).

GEP Learning Outcomes

The General Education Program seeks to develop these qualities of global citizenship in four distinct ways. After completing the general education curriculum, you will:

- Demonstrate critical thinking, quantitative, and communication skills necessary to succeed in a rapidly changing global society.
- Demonstrate broad knowledge of the physical, social, and cultural worlds as well as the methods by which this knowledge is produced.
- Recognize that responsible global citizenship involves personal accountability, social equity, and environmental sustainability.
- Apply your knowledge and skills, working in interdisciplinary ways to solve problems.

Relationship Between GEP and Degree Types

The GEP applies to all students regardless of degree type (BA, BS, BM, and BFA). In addition to the GEP, there are degree requirements for the BA, BS, BM, and BFA which have been integrated into majors. See the **Degree Types** section of this Catalog.

Foundation Level: Developing Fundamental Skills (10-16 credits)

Courses listed under this category are intended to provide you with the basic skills necessary for intellectual development and to succeed in your studies at UW-Stevens Point, including critical thinking, quantitative literacy, information literacy, written and oral communication, and wellness. All requirements in the Foundation Level must be completed before you reach 60 credits. If not, you will be restricted to enrolling for a maximum of 12 credits each semester until the Foundation Level is complete. Depending on placement, you will complete 10-16 credits in this area, including the following:

First Year Seminar (3 credits)

A First Year Seminar is an academically rigorous foundational course for incoming first year students. The course is designed to introduce critical thinking skills, orient you to the academic community and campus life, and equip incoming freshman with other skills necessary to be a successful student. Fostering intellectual inquiry and self-assessment, this course will help you begin the

process of taking responsibility for your education, career choices, and personal development.

All First Year Seminars should focus on topics about which instructors have both expertise and interest, and which are engaging to a general audience of first-year students. The primary function of the First Year Seminar should NOT be to serve as an introduction to a major. Ordinarily, no First Year Seminar may be required for a major. Upon completing this requirement, you will be able to:

- Describe the importance of a liberal education and the ways in which academic study is structured at UW-Stevens Point.
- Describe the importance of critical thinking and information literacy and apply the associated skills.
- Identify and apply appropriate note-taking, test-taking, and time-management strategies to your academic studies.
- Describe the importance of co-curricular involvement and how it enhances your academic study at UW-Stevens Point.
- Identify and utilize UW-Stevens Point programs, resources, and services that will support your academic studies and co-curricular involvement.
- Develop a plan that demonstrates your responsibility for your own education, specifically how it relates to your interests, abilities, career choices, and personal development.

* Faculty Senate approved a 5-year phase-in of the First Year Seminar requirement on April 21, 2010. Until the fall semester 2018, if you are not able to take a First Year Seminar, you shall take three additional credits total). These additional three credits are credits at the Investigation Level (24 beyond the 21 credits already required and are not constrained by the 6-credit limit in each category).

Written and Oral Communication (6-9 credits)

Written Communication (3-6 credits):

Introductory writing classes provide an essential foundation of communication skills on which you can build throughout the rest of your university careers and beyond. They develop your skills in analyzing audience, structuring written documents, and understanding and applying the conventions of effective writing. Subsequent writing courses build upon these skills by helping you learn to locate sources, critically analyze information, and synthesize your ideas with those of others to write well-supported academic arguments. They also provide an essential starting point for the more specialized writing you will be expected to do in the future within your field of study.

The Written Communication outcomes will be satisfied by English 101: Freshman English and English 202: Sophomore English. English 150: Advanced Freshman English may be substituted for English 101/202, with the appropriate placement. English 101 should be taken during your freshman year. English 202 should be taken

during your sophomore year and will have a prerequisite of English 101.

Upon completing this requirement, you will be able to:

- Identify basic components and elements that shape successful writing such as topic, purpose, genre, and audience.
- Compose an articulate, grammatically correct, and organized piece of writing with properly documented and supported ideas, evidence, and information suitable to the topic, purpose, and audience.
- Critique your own and others' writing to provide effective and useful feedback to improve communication skills.

Oral communication (3 credits):

Learning to speak effectively is an essential part of a liberal education. However, effective communication in today's society requires more than the acquisition of oral presentation skills. UW-Stevens Point also expects you to develop skills in using visual communications technologies and other media tools in order to enhance presentations and connect more meaningfully with audiences. The Oral Communication outcomes will be satisfied by Communication 101: Fundamentals of Oral Communication. Upon completing this requirement, you will be able to:

- Identify basic components and elements that shape successful oral presentation such as topic, purpose, genre, composure, and audience.
- Compose and deliver an articulate, grammatically correct, and organized oral presentation using appropriate communication technologies as well as properly documented and supported ideas, evidence, and information suitable to the topic, purpose, and audience.
- Critique your own and others' speaking to provide effective and useful feedback to improve communication skills.

Quantitative Literacy (0-3 credits)

Quantitative literacy is knowledge of and confidence with basic mathematical/analytical concepts and operations required for problem-solving, decision-making, economic productivity and real-world applications. Such skills are essential for citizens living in today's global society. Upon completing this requirement, you will be able to:

- Select, analyze, and interpret appropriate numerical data used in everyday life in numerical and graphical format.
- Identify and apply appropriate strategies of quantitative problem solving in theoretical and practical applications.
- Construct a conclusion using quantitative justification.

All Quantitative Literacy courses have a prerequisite of Math 90 or higher. To select an appropriate Quantitative Literacy course, check your math placement code.

- If you earned a placement code of 1, then you are placed into Math 90 and must complete the course before earning 30 credits. If you do not complete Math 90 prior to earning 30 credits,

then you will be restricted to enrolling in a maximum of 12 credits a semester until Math 90 is completed.

- If you earned a placement code of 3 or 4, then you must select an appropriate Quantitative Literacy course.
- If you earned a placement code of 7, 8, or 9, then you have satisfied the Quantitative Literacy requirement. If you received a placement code of 99, placement has not been determined. You should not register for any Mathematics or Quantitative Literacy course until a placement exam has been completed and a code has been assigned.
- If you do not believe that your placement is accurate, then you may retake the test once, or petition once to participate in an alternate placement process. Contact the Department of Mathematical Sciences, Room B246, Science Building, (715) 346-2120.

Wellness (1 credit)

Wellness is a dynamic process of becoming aware of and making conscious choices toward a more balanced and healthy lifestyle. It is multi-dimensional and holistic, encompassing lifestyle, mental and spiritual wellbeing, and the environment. Wellness is an essential attribute of a well-rounded, liberally educated person and of strong societies. Understanding the dimensions of wellness and their impact on individuals, families, and societies is essential to being a responsible global citizen. Wellness is a one credit requirement but can be satisfied by a two or three credit course with the Wellness designation. Upon completing this requirement, you will be able to:

- Identify the seven dimensions of wellness.
- Recognize the interaction between each dimension of wellness and their overall impact on personal, national, and global health and well-being.
- Develop an individual plan for healthy living that demonstrates an understanding of the principles of wellness.

Investigation Level: Understanding the Physical, Social, and Cultural Worlds (21 credits)

Building on the skills and knowledge from the foundation level, courses listed under this category are meant to encourage you to acquire broad knowledge of the world in which you live, as well as the various disciplinary methods by which this knowledge is produced. All courses at the Investigation Level should be designed to serve one of two student populations:

- (i) Survey courses designed to serve all students regardless of major; such courses do not presume academic or disciplinary preparation beyond the Foundation Level.
- (ii) Courses designed to serve students in specific majors; such courses presume more advanced

background preparation appropriate to the discipline.

Ordinarily, courses in the Investigation Level will not have prerequisites beyond the Foundation Level. You will complete 21 credits in this area, including a minimum of three credits and a maximum of six credits from each category below.

Arts (3-6 credits)

The arts celebrate the human capacity to imagine, to create, and to transform ideas into expressive forms. The arts provide us with a rich record of human cultures and values throughout time. They enable us to understand and enjoy the experience of our senses and to sharpen our aesthetic sense. Courses in the arts examine the process of creativity, and explore the artistic imagination or the relationship between artists, their works, and the societies in which their works are produced. The arts challenge us to understand creativity and the distinctive intellectual process of the human imagination. Upon completing this requirement, you will be able to:

- Identify aesthetic, cultural, and historical dimensions of artistic traditions and techniques.
- Demonstrate an understanding of creative expression by critiquing, creating, or collaborating on a specific work of art.
- Express your own understanding and interpretation of works of art critically and imaginatively.

Humanities (3-6 credits)

The humanities explore the fundamental ideas and values shaping cultures and civilization, in life and as represented in the written word, using scholarly approaches that are primarily analytical, critical, or interpretive. By introducing you to concepts and beliefs within and outside your own perspectives, courses in the humanities help you to understand and critically engage a variety of worldviews and the ideas that give them meaning. Upon completing this requirement, you will be able to:

- Demonstrate an ability to read carefully, speak clearly, think critically, or write persuasively about cultures and cultural works/artifacts (including texts, images, performances, and technologies, as well as other expressions of the human condition).
- Identify and analyze how beliefs, values, languages, theories, or laws shape cultures and cultural works/artifacts.
- Engage a variety of ideas and worldviews critically by formulating reflective and informed moral, ethical, or aesthetic evaluations of cultures and cultural works/artifacts.

Historical Perspectives (3-6 credits)

An understanding of the past and the methods by which people seek to explain it are essential to finding meaning in the present. By exploring the evolution of human societies—their institutions, ideas, and values—you gain a framework for understanding yourself and the world; and you learn to make connections between history and

the natural sciences, the social sciences, the arts, and the humanities. Upon completing this requirement, you will be able to:

- Describe events from past cultures, societies, or civilizations.
- Recognize the varieties of evidence that historians use to offer diverse perspectives on the meaning of the past.
- Identify the role of human agency in shaping events and historical change.
- Explain historical causality.
- Evaluate competing historical claims that frequently inform the present.

Social Sciences (3-6 credits)

The social sciences provide you with an understanding of humans and their behavior as individuals and within communities, institutions, and social structures. Courses in this category equip you to contribute to public discourse and function as responsible citizens of your profession and community. Upon completing this requirement, you will be able to:

- Define the major concepts and methods used by social scientists to investigate, to analyze, or to predict human or group behavior.
- Explain the major principles, models, and issues under investigation by the social sciences.
- Examine how the individual or groups of individuals are influenced by social, cultural, or political institutions both in your own culture and in other cultures.

Natural Sciences (3-6 credits)

As the progress of our society becomes more dependent on science and technology, our future becomes increasingly dependent upon a scientifically literate population. Individuals today must be sufficiently knowledgeable about scientific facts, science applications, and the process of scientific inquiry in order to make reasoned decisions concerning their use in addressing society's problems. Courses in this area must contain a laboratory component to help you develop an understanding of scientific inquiry. Upon completing this requirement, you will be able to:

- Identify the basic taxonomy and principles of the scientific method as it pertains to the natural, physical world.
- Infer relationships, make predictions, and solve problems based on an analysis of evidence or scientific information.
- Apply scientific concepts, quantitative techniques, and methods to solving problems and making decisions.
- Describe the relevance of some aspect of the natural science to their lives and society.

Cultural and Environmental Awareness (0-9 credits)

Courses listed in this area are meant to foster greater awareness of cultural and environmental issues that

currently shape today's world as a means of better preparing you for responsible citizenship. You will complete 0-3 credits in each area below. In many cases, courses offered in this area will fulfill one other requirement in the General Education curriculum at the same time, at the Foundation, Investigation, or Integration Levels.

Global Awareness (0-3 credits)

Global Awareness courses examine the unique cultural, political, economic, intellectual, and/or religious components of societies, countries, regions, and peoples that are distinct from those found within the United States. By learning about these cultures, you can appreciate the key differences and similarities between diverse modes of human life and reach a better understanding of the human condition on a global scale. Moreover, this understanding will prepare you to act thoughtfully and responsibly in a global society. Upon completing this requirement, you will be able to:

- Identify and explain various components of a culture that is distinct from those found within the United States.
- Analyze how cultural similarities and differences are negotiated in ways that help shape the modern world.

U.S. Diversity (0-3 credits)

U.S. Diversity courses are designed to consider the role of diversity in American life, where diversity is defined to include both individual differences (e.g. personality, learning styles, and life experiences) and other group and social differences (e.g. race, gender, ethnicity, country of origin, class, sexual identity/orientation, religion, ability, or other affiliations). Satisfaction of this requirement will prepare you to act thoughtfully and responsibly as a U.S. citizen in a global society. Upon completing this requirement, you will be able to:

- Describe the various dimensions of diversity and marginalization within the United States.
- Explain the means by which one or more persistently marginalized groups in the U.S. have negotiated the conditions of their marginalization.

Environmental Responsibility (0-3 credits)

Maintaining a sustainable natural environment is necessary to the long-term survival of all organisms, including humans. An understanding of the individual, social, cultural, and natural factors that influence and contribute to environmental sustainability and ecosystem function is, therefore, essential to responsible global citizenship. Upon completing this requirement, you will be able to:

- Recognize areas of interaction between human society and the natural environment.
- Identify the individual, social, cultural, and ecological factors that influence environmental sustainability.
- Evaluate competing scientific claims that inform environmental debates.

Integration Level: Applying Knowledge and Skills (0-6 credits)

Courses listed under this category are meant to build on the earlier components of the General Education Program, giving you the opportunity to develop, integrate, and apply the knowledge and skills you learned. You will complete 0-6 credits in this area, as well as several additional requirements.

Interdisciplinary Studies (0-3 credits)

Under this category, you are asked to complete one of three options: a single three-credit interdisciplinary course; an Interdisciplinary Certificate; or an Interdisciplinary Major or Minor. Each option encourages you to apply the knowledge and skills you have learned in the context of a topic of your choosing, and to do so in ways that facilitate making connections across disciplines. In this way, you learn to recognize that issues can be viewed in multiple ways, and that solving problems requires integrating and harmonizing these perspectives. If you elect to complete a three-credit course option, you shall have a minimum of sophomore standing before enrolling in any Interdisciplinary Studies course.

Upon completing this requirement, you will be able to:

- Identify an issue or question related to the interdisciplinary course(s), and describe what each discipline contributes to an understanding of that issue.
- Explain the benefits of being able to combine these contributions.

Experiential Learning (0-3 credits)

You benefit from opportunities to learn by reflecting on experiences beyond your typical classroom activities and by applying the knowledge and skills you gain from traditional courses in new settings. To fulfill this requirement, you will:

- Complete an approved experiential learning project.
- Reflect on the experiential learning project in order to gain further understanding of your university education, and an enhanced sense of your personal responsibility as a member of a larger community.

The Experiential Learning requirement may be completed through one of two different options:

- (i) A structured, recurring credit-bearing course or learning experience, and can include (but is not limited to): service-learning courses, internships, externships, practicum experiences, field experiences, student teaching, or credit-bearing study-abroad experiences. If you're transferring to UW-Stevens Point, you can request to have a previous experiential learning course satisfy the requirement.
- (ii) A student-initiated experiential learning activity (ELA) that could be either credit-bearing or non-credit-bearing, and can include (but is not limited to) credit-bearing independent studies, undergraduate research opportunities, creative

performances, community service projects, student leadership experiences, or professional development through paid or unpaid work experiences or internships. You must complete the ELA while enrolled at UW-Stevens Point.

All Experiential Learning Activities (ELAs), option (ii) above, must meet the following criteria:

- All ELAs must be coordinated with an ELA Mentor. Any UW-Stevens Point faculty or academic staff (instructional or non-instructional) member may serve as a Mentor for an ELA.
- You must meet with your ELA Mentor and complete an ELA Plan form before beginning the activity.
- The ELA Plan must be approved by the Mentor before you begin the activity.
- An ELA must consist of a minimum of 16 hours of service and/or experience.
- You must reflect on your activity through oral and/or written communication with your Mentor.
- The Mentor will evaluate the ELA and record when the ELA has been completed.

Communication in the Major (embedded in each major)

Communication in the Major courses provide you with systematic opportunities to develop oral and written communication skills in the context of your chosen fields, beginning the process of learning to communicate effectively in discipline-specific formats and styles. Departments will designate a minimum of six credits at the 200-level or above within each major to meet the Communication in the Major requirement.

The Communication in the Major requirement may vary substantially between different UW-Stevens Point majors and cannot transfer between majors. Thus, the only way to satisfy this requirement is to complete the Communication in the Major requirement embedded in each major. Upon completing this requirement, you will be able to:

- Apply discipline-specific standards of oral and written communication to compose an articulate, grammatically correct, and organized presentation/piece of writing with properly documented and supported ideas, evidence, and information suitable to the topic, purpose, and audience.
- Critique your own and others' writing/oral presentations to provide effective and useful feedback to improve communication skills.

Capstone Experience in the Major (embedded in each major)

A capstone experience is either a single seminar or a broader culminating experience designed to be offered near the completion of your program of study. It is meant to provide you the opportunity to make connections between the key learning objectives of your major and the General Education Program Outcomes, and to

consider how your educational experiences have prepared you for the world beyond the university.

The Capstone Experience in the Major requirement may vary substantially between different UW-Stevens Point majors and cannot transfer between majors. Thus, the only way to satisfy this requirement is to complete the Capstone Experience in the Major requirement embedded in each major. To fulfill this requirement, you will:

- Complete a project that integrates knowledge, skills, and experiences related to those General Education Program Outcomes appropriate to the discipline.
- Demonstrate skills, processes, and resources needed to make a successful transition from college to the world beyond.

Test-Out and Credit-by-Exam Policy

You may test-out and/or receive credit-by-exam for any General Education Program (GEP) course at UW-Stevens Point, except for Communication in the Major and Capstone Experience in the Major.

When you pass an approved test in a GEP course, the requirement to enroll in the course is waived. You don't earn credit when you test out, but the course applies toward fulfillment of that GEP requirement without enrolling in the course. Each department that offers courses for GEP credit has its own policy for test-out and/or credit-by-exam. Each policy will include:

1. Whether you will be testing out of the requirement and/or receiving credit.
2. The process for making exam arrangements.
3. The type of exam, passing grade, any additional requirements, and whether you can take the exam more than once.
4. Applicable fees. Academic departments may charge a fee per request to test-out or receive credit-by-exam for GEP courses. Departments will devise their own exams.

You must check with each department and follow its specific requirements for testing out and/or receiving credit-by-exam for GEP requirement courses. If you receive test-out or credit-by-exam approval for a course that meets multiple GEP requirements, passing the test will satisfy all GEP requirements that are designated for that course, excluding Communication in the Major and Capstone Experience in the Major.

*For information on **General Degree Requirements**, please refer to the 2011-13 Catalog at www.uwsp.edu/acadaff/Catalog%20PDF/2011-13finalcatalog.pdf.*

General Education Program Approved Courses

FOUNDATION LEVEL

First Year Seminar: **FYS** 101, 102, 103, 104, 105, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163.

Written Communication: **ENGL** 101 and 202, or 150.

Oral Communication: **COMM** 101.

Quantitative Literacy: **COMM** 201; **HS** 301; **MATH** 105, 109, 111, 118, 120, 228, 355; **PHYS** 100; **PSYC** 300.

Wellness: **DNCE** 103, 104, 105, 106, 114, 115, 212, 214; **FN** 151; **HP/W** 102, 107, 208, 248, 299; **P ED** 150; **WLNS** 100, 144, 154.

INVESTIGATION LEVEL

Arts: **ART** 101, 102, 103, 104, 181, 397; **COMM** 160, 171, 190, 253, 273, 362, 363; **DNCE** 352; **EDUC** 135, 335; **ENGL** 253, 396; **IA** 210, 310, 312; **MUS** 109, 142, 144, 146, 147, 246, 341, 342, 343, 345; **MUED** 381; **THEA** 105, 329, 351, 352, 361, 362, 452, 490.

Humanities: **ART** 270, 271; **C LT** 102, 350; **CNMT** 376; **ENGL** 106, 108, 200, 211, 212, 213, 214, 280, 282, 283, 285, 286, 287, 288, 289, 308, 309, 310, 311, 312, 313, 314, 319, 320, 329, 361, 363, 365, 366, 374, 378, 382, 383, 395; **F LG** 381; **FREN** 340, 481; **GERM** 340, 481; **HIST** 396; **IA** 150, 160; **INTL** 381; **MUS** 100, 103, 105, 220, 221, 301, 305, 307, 320, 323, 326, 329, 427; **PAX** 200; **PHIL** 100, 101, 105, 121, 270, 301, 306, 307, 320, 380, 381; **POLI** 270, 393, 394, 395; **REL** 100, 101, 107, 202, 302, 303, 304, 311, 321, 330, 333, 340, 341, 342; **SPAN** 340, 481, 482, 483; **WDMD** 100; **WGS** 300.

Historical Perspectives: **ART** 282, 283; **HIST** 101, 102, 176, 177, 203, 204, 206, 214, 216, 217, 232, 233, 240, 241, 248, 249, 256, 257, 280, 284, 285, 288, 289, 290, 291, 292, 293, 311, 343, 372.

Social Sciences: **ANTH** 101, 102, 105, 110, 315, 320, 325, 335, 338, 345, 380; **COMM** 240, 280; **ECON** 110, 111; **GEOG** 113, 120, 300, 302, 325, 327, 366, 368, 369, 373, 374; **HD** 166, 261, 265, 367; **IA** 120; **NRES** 150; **POLI** 101, 160, 180, 202, 242, 250, 306, 341, 361, 362, 371; **PSYC** 110, 240, 260, 320; **SOC** 101, 102, 224, 225, 230, 240, 270, 300, 308, 310, 327, 355, 360, 366, 368, 370; **WGS** 105, 301.

Natural Sciences: **ASTR** 100, 205, 206; **BIOL** 100, 101, 103, 130, 160; **CHEM** 100, 101, 105, 106, 117; **GEOG** 100, 101, 105; **GEOL** 100, 104; **PHYS** 101, 150, 203, 204, 250.

CULTURAL AND ENVIRONMENTAL AWARENESS

U.S. Diversity: **ANTH** 339, 371; **ENGL** 280, 282, 287, 382, 386; **FYS** 103, 157; **FOR** 392; **HIST** 284, 285, 288, 289, 290, 291, 292, 293, 392; **HD** 166; **IA** 160; **MUS** 105, 305; **PEX** 400; **PHIL** 381; **POLI** 101, 202, 414; **PSYC** 322; **REL** 311; **SW** 316; **SOC** 101, 102, 270, 370; **SPAN** 480, 482; **WGS** 105.

Global Awareness: **ANTH** 101, 110, 320, 335, 345, 380; **ARBC** 101, 102, 211; **ART** 181, 270, 271, 282, 283, 370, 372, 374, 375, 378, 396, 397; **BUS** 293, 493; **CHIN** 101, 102; **COMM** 373, 397; **C LT** 235; **ECON** 493; **ENGL** 374; **FYS** 102, 156, 162; **GEOG** 113, 120, 300, 302, 325, 327; **HIST** 101, 102, 206, 216, 217, 232, 233, 240, 241, 248, 249, 311, 313, 314, 316, 317, 332, 335, 338, 339, 343, 348, 351, 371, 372; **HMNG** 101, 102; **IA** 150, 310; **JAPN** 101, 102, 211, 313; **MUS** 220, 307; **NRES** 406, 407, 475; **PHIL** 105; **POLI** 160, 362, 371, 382; **REL** 100, 107, 333, 340, 341; **RUSS** 101, 102, 211; **SOC** 343; **SPAN** 483.

Environmental Responsibility: **ANTH** 350, 372; **CHEM** 100; **CLS** 395; **COMM** 324; **ECON** 342; **ENGL** 392; **FYS** 104, 155, 161; **FN** 357; **GEOG** 100; **HIST** 204, 280, 342; **HD** 381, 386; **IA** 130, 315; **NRES** 150, 220, 324, 370; **PSEN** 103; **PHIL** 380; **PHYS** 100; **POLI** 304, 305; **PSYC** 321; **SOC** 355, 360; **WATR** 220, 324.

INTEGRATION LEVEL

Experiential Learning: **ACCT** 497, 498; **ART** 396, 397, 419, 492; **ARTM** 480, 485; **AT** 400; **BUS** 493, 496, 497, 498; **COAC** 398; **CLS** 499; **COMM** 480, 485; **DNCE** 226, 426; **ECON** 493, 497, 498; **EDUC** 205, 301; **ENGL** 347; **FYS** 105, 392; **FOR** 319, 320; **HP/W** 450; **HS** 490, 498; **NRES** 385, 475; **NURS** 490; **P ED** 260; **PSEN** 300; **PSYC** 399, 494, 495; **REL** 390; **SOC** 492, 493; **SOIL** 359, 360; **SW** 494, 495; **THEA** 226, 426; **WATR** 380; **WLDL** 340.

Interdisciplinary Studies:

Approved IS Courses: **ANTH** 339; **AT** 362; **ENGL** 347; **HIST** 313, 359, 361, 389; **HS** 410; **NRES** 372, 474; **PHYS** 115; **POLI** 212, 389, 391; **REL** 363; **WDMD** 348; **WGS** 105

Majors, Minors, or Certificates: American Studies Major; American Studies Minor; Anthropology Minor; Arts Management Major; Dietetics Major; Early Childhood Education Major; Elementary Education Major; Special Education Major; Environmental Studies Minor; Family and Consumer Sciences Major; Geography Major; Health and Wellness Management Major; Health Promotion and Wellness Major; Human Dimensions of Natural Resource Management Major (excluding Wildland Fire and Wildlife Education options); International Studies Major; Medieval and Renaissance Studies Certificate; Physical Education Major; Wildlife Ecology Major; Women's and Gender Studies Minor

INTEGRATION LEVEL REQUIREMENTS THAT ARE EMBEDDED IN THE MAJOR

Communication in the Major: Approvals are not course-based; instead, each major on campus will specify the how the learning outcomes for Communication in the Major will be satisfied by students who complete the major.

Capstone Experience in the Major: Approvals are not course-based; instead, each major on campus will specify the how the learning outcomes for Capstone Experience in the Major will be satisfied by students who complete the major.

For information on **General Degree Requirements**, please refer to the 2011-13 Catalog at www.uwsp.edu/acadaff/Catalog%20PDF/2011-13finalcatalog.pdf.

More Academic Information

Office of the Registrar
 Dan Kellogg, Registrar
 Ed Lee, Associate Registrar
 Room 101, Student Services Center (SSC)
 1108 Fremont Street
 Phone: 715-346-4301
 Email: registrar@uwsp.edu
 Web: www.uwsp.edu/regrec/

Academic Bankruptcy

If you have been suspended for academic reasons and have remained out of school for one or more semesters, you will have the option of electing academic bankruptcy upon readmission to the university. Academic bankruptcy is the opportunity to start over with a new cumulative grade point average. We do, however, keep all of the work you have done at UW-Stevens Point on your official record.

If you apply for academic bankruptcy, we:

- Apply toward graduation those courses in which you earned a D or better.
- Apply toward your prerequisites and general education requirements, but not necessarily toward your major or minor, those courses in which you earned a D or better.
- Determine your cumulative grade point average from the courses you take after being readmitted, except in determining graduation honors in which case we include all the grades you earned at UW-Stevens Point and other institutions in calculating your cumulative grade point average.

In order to graduate after electing academic bankruptcy, you must earn a minimum of 30 credits and an overall grade point average of 2.00 or better in such courses, OR earn an overall grade point average of 2.00 or better in all work completed at UW-Stevens Point (including grades earned at UW-Stevens Point before and after academic bankruptcy).

You may exercise this option only once in your academic career.

Also realize that if you select the academic bankruptcy option, but have not maintained satisfactory academic progress, you will not be eligible for financial aid.

Academic bankruptcy does not adjust your academic progress standing. See [Satisfactory Academic Progress for Financial Aid](#) in the **Finances** section.

UW-Stevens Point academic departments may disregard a declaration of academic bankruptcy in calculating your grade point average to determine your eligibility for admission to and/or graduation from their programs.

Graduate programs and other universities may also disregard a declaration of academic bankruptcy in determining your eligibility for admission purposes.

If you are receiving GI Bill benefits, consult the university Veterans Coordinator in the Office of the Registrar, 101 SSC, before electing this option. If you take it, you may

have to repay the VA for past benefits you have received. For more information, see www.uwsp.edu/regrec/Pages/veteranServices.aspx.

ACADEMIC CLASSIFICATION

See [Classification/Year in School](#).

ACADEMIC PROGRESS

See [Finances](#) earlier in this catalog.

Academic Requirements

Your adviser and others at UW-Stevens Point are happy to help you plan your academic program. **However, you are responsible for following UW-Stevens Point's regulations and successfully completing all your academic requirements.**

In general, you are required to complete the academic requirements current at the time you first enroll.

However, you may choose to complete a more recent set of requirements by declaring your intent to the Office of the Registrar, 101 SSC. You may also choose to complete a more recent set of requirements in one or more of your majors and minors with the approval of the chair of the department. If you choose to meet the more recent set of major/minor requirements, you do not have to choose the more recent set of general education requirements.

Here are some special situations:

1. If an external agency changes the requirements, meet the new requirements. For example, if the Department of Public Instruction changes the requirements for teacher certification, fulfill the new requirements.
2. If you re-enter UW-Stevens Point after being gone for two or more semesters, meet the requirements current when you re-enter. Note that if you enroll and then withdraw within the first two weeks of the semester, you are considered as not enrolled for that semester.
 - a. If you have earned more than two-thirds of the credits toward your general education requirements by the time you re-enter (not counting electives and courses toward your major/minor), you may ask to complete the requirements current when you first registered. Your dean approves such a request.
 - b. If you have completed more than half of the credits to fulfill your major/minor requirements by the time you re-enter, you may ask to complete the major/minor requirements current when you first registered. The chair of your department approves such a request.
3. If you transfer from another UW System institution, this policy applies in the same manner as if you had originally enrolled at UW-Stevens Point.

Academic Standing

If your current cumulative and semester grade point average is 2.00 (C) or above, you are in good academic standing.

ADDING A COURSE

See [Drop/Add/Withdrawal Procedures](#).

Advisers

Each UW-Stevens Point student has an academic adviser. Once you are accepted into a major, the chair of your major department assigns you to an adviser. If you have more than one major you should have an adviser for each program.

Your adviser will inform you of academic requirements, policies, and procedures; assist you in identifying and pursuing your educational and career goals; review and monitor your progress toward those goals; and make appropriate referrals to university programs and services.

Ultimately however, it is **your** responsibility to meet all university requirements, rules, and regulations.

You must meet with your adviser each semester to discuss your course of study. Your adviser must also approve and electronically authorize your course choices for the upcoming semester so that you can register for classes.

College of Natural Resources majors: If you are a freshman or sophomore in the College of Natural Resources majoring in a subject other than paper science, the CNR advising and recruitment coordinator is your adviser.

Undecided/Undeclared/Dropped from Major/ Exploring Options: If you have not yet declared a major, or are in one of the situations below, go to the Student Academic Advising Center (SAAC), Room 103, Student Services Center to be assigned an adviser. SAAC advisers can help you in the development of your educational plans, in the decision-making process for selecting a major, and in the clarification of the relationship between educational plans and career goals. SAAC advisers also assist you in examining major alternatives if you

- are questioning your choice of major and need help in exploring your options (see Undecided/Undeclared section later in this catalog);
- have not yet gained entrance into or have been dropped from your major (e.g. audition, GPA requirement, portfolio review, etc.);
- are listed as "in transition" in your MyPoint.

Assessment of Students

As part of our continuing effort to improve curriculum and the delivery of instruction, UW-Stevens Point assesses its graduating seniors both within their majors and in their general education. Students are expected to participate in this assessment process.

Athletics

Daron Montgomery, Director of Athletics
Room 0127, Health Enhancement Center
Phone: 715-346-3888

Email: daron.montgomery@uwsp.edu

Web: <http://athletics.uwsp.edu>

UW-Stevens Point offers twenty (20) varsity sports, all of which are affiliated with the National Collegiate Athletic Association (NCAA) Division III. Men's sports include football, cross country, wrestling, ice hockey, basketball, swimming and diving, indoor and outdoor track and field, and baseball. Women's sports include soccer, cross country, ice hockey, volleyball, basketball, swimming and diving, tennis, indoor and outdoor track and field, softball, and golf. All Pointer teams participate in the Wisconsin Intercollegiate Athletic Conference (WIAC), with the exception of ice hockey. The UW-Stevens Point hockey teams participate in the Northern Collegiate Hockey Association (NCHA). For more information call 715-346-3888 or visit the UW-Stevens Point official Athletics website at <http://athletics.uwsp.edu>.

This division falls under the College of Professional Studies. Coaches and student-athletes strive to embrace a spirit of teamwork and togetherness to fulfill the motto of **20 sports, 500 student-athletes, 1 POINT.**

Attendance

Attend all your classes regularly. We do not have a system of permitted "cuts."

If you decide to drop the class, please do so using myPoint or visit the Enrollment Services Center. Changes in class enrollment will impact your tuition and fees balance, financial aid award and veterans educational benefit.

During the first eight days of the regular 16 week term, your instructor will take attendance. If you are not in attendance, you may be dropped from the class. You are responsible for dropping any of your enrolled classes.

If you must be absent during the term, tell your instructor prior to the class you will miss. If you cannot reach your instructor(s) in an emergency, visit the Student Academic Advising Center, Room 103, SSC, or call them at 715-346-3361.

If you are dropped from a class due to non-attendance, you may only be reinstated to the class section using the class add process. Reinstatement to the same section or course is not guaranteed.

Your instructors will explain their specific attendance policies to be followed at the beginning of each course.

If you take part in an off-campus trip by an authorized university group such as an athletic team, musical or dramatic organization, or a class, make appropriate arrangements in advance with the instructor of each class you will miss. If you are absent from classes because of emergencies, off-campus trips, illness, or the like, your instructors will give you a reasonable amount of help in making up the work you have missed.

If you enroll in a course and cannot begin attending until after classes have already started, you must first get permission from the department offering the course. Otherwise, you may be required to drop the course.

If you do not make satisfactory arrangements with your instructors regarding excessive absences, you may be dismissed. If you are dismissed from a class, you will receive an F in that course. If you are dismissed from the University, you will receive an F in all enrolled courses.

Auditing

"Auditing" means you attend class regularly without having to take exams, do laboratory work, participate in class discussions, or do any other classwork except listen. You may audit as many courses as you wish, up to five credits beyond the normal maximum study load. (See [Study Load](#).) You receive no academic credit for auditing a course, but you may take the course again for credit.

To audit a course:

1. Receive the instructor's permission, and be sure that there is enough space in the class.
2. Register for the course as you would for any course.
3. Between the first and eighth day of class, fill out an audit form at the Enrollment Services Center, 106 SSC, and have it signed by both the instructor and the department chair.
4. Attend classes regularly, just as you would a credit course. (See [Attendance](#).)
5. Follow all university regulations, just as you would if you were attending a course for credit.
6. If you meet these conditions, your student record will show "audit" for the course.

Note that you may not change a course from "audit" to "credit" or change it from "credit" to "audit" after the eighth day of classes. After auditing a course, you may seek credit by examination for some courses if you are enrolled at UW-Stevens Point at the time of the examination and pay the examination fee.

Fees for audited courses are as follows:

- If you are a Wisconsin resident enrolled only for audit, you will be assessed 30 percent of the normal academic fees for a resident.
- If you are a nonresident enrolled only for audit, you will be assessed 50 percent of the normal academic fees for a nonresident.
- If you are enrolled for credit and audit, you will be assessed 100 percent of the normal academic fees for your residency.
- You will not be assessed segregated fees if you are only enrolled for audit, but you may only have access to those university facilities normally available to the general public such as the library and student union.
- You will be assessed any special fees for course instruction, if there are any.
- The general policy for refund of academic fees applies.

- Audited courses do NOT count toward credit load for financial aid purposes.
- Wisconsin residents at least 60 years of age may audit classes free of charge provided there is space available in the class and the instructor approves. Those who qualify may register on or after the first day of the term. Proof of age and residence will be requested. Stop in the Enrollment Services Center, 106 SSC, or call 715-346-3300 for information and/or registration materials.
- Disabled Wisconsin residents who present evidence of receiving federal old age survivors and disability insurance benefits (OASDI) under 42 USC 401-403 and who are enrolled exclusively for audit throughout the term are not assessed fees.

Career Services

If you would like to know more about choosing a major or how the major you have chosen might relate to employment following graduation, the Career Services Office can help. They also help you find intern opportunities, career employment following graduation, and assist with identifying/applying to graduate or professional school. Information on their services and follow-up studies of recent graduates are available on their website at www.uwsp.edu/career. For assistance, stop by their office in Room 201, Student Services Center, call 715-346-3226, or e-mail career@uwsp.edu.

Certificate Programs

Certificate programs are groupings of courses that are usually interdisciplinary and are different from any specific UW-Stevens Point major or minor. Certificate programs are recognized by various professional organizations and industries. They are designed to enhance your career goals and/or eligibility for membership in some professional organizations. Contact your adviser, UWSP Continuing Education, or the appropriate academic department for more details.

Classification/Year in School

You may determine your year in school by totaling the number of credits you have earned toward your degree. Include your credits-by-exam as well as any credits you transferred from other institutions. Do not count credit earned in courses numbered 001-099.

Credits	Year in School
0-14	First semester freshman
15-29	Second semester freshman
30-43	First semester sophomore
44-59	Second semester sophomore
60-73	First semester junior
74-89	Second semester junior
90-103	First semester senior
104 +	Second semester senior

In this catalog "upperclass students" refers to those who have earned 60 credits or more (juniors and seniors).

Collaborative Degree Programs

University of Wisconsin Colleges in Wausau, Marshfield, Fond du Lac, Fox Valley, and Marinette have joined with

UW-Stevens Point to offer a bachelor's degree with a major in American Studies. You can attend evening classes on any of the participating campuses. A combination of distance learning technologies and face-to-face instruction is used to offer upper level courses. Advisers are available on UW-Marathon and UW-Marshfield Wood County campuses. You must have accumulated 30 freshman and sophomore credits at an accredited college or university in order to enter the program. For more information call 715-346-2487.

CONTINUING EDUCATION

See [UWSP Continuing Education](#) later in this section.

CORRESPONDENCE COURSES

See [Online, Distance, or Independent Learning Courses](#) later in this section.

Course Waivers and Substitutions

The requirements for degrees, majors and certificates represent the faculty's judgment of the minimum standards for knowledge and skills that you must meet in that academic field. On occasion, a waiver or substitution for a requirement may be appropriate under particular conditions unique to a specific student.

If you believe that your situation may warrant a waiver or substitution, you should first contact your academic adviser. Ultimately, all waivers and/or substitutions of major or minor requirements must be approved by the chair/head of your major/minor department.

Waivers and substitutions for a general degree requirement (GDR) require further approval by the dean or designee of the college of your major. Waivers and/or substitutions for a General Education Program (GEP) requirement must be approved by the dean of your college and the Director of General Education, in addition to your adviser and department chair/head of your major.

Waivers and/or substitutions may be granted only with adequate cause and if they are consistent with UW-Stevens Point GEP guidelines. A waiver of part or all of a requirement does not reduce the total credits required for graduation.

Credits/Semester Hours

We use the semester hour/credit to compute your study load. Each semester hour represents 50 minutes of class work, or its equivalent in other forms of instruction, per week for one semester. We consider two, or sometimes three, hours of laboratory work the equivalent of one hour of class work. If you complete one semester hour's work with a grade of D or better, you earn one credit.

DEAN'S LIST

See [Honors](#), later in this section.

Degree Progress Report

A Degree Progress Report (DPR) is an advising tool that evaluates your progress toward meeting your graduation requirements at UW-Stevens Point. Access to this document is available to both students and academic advisers through myPoint. The DPR is for internal use and for information purposes only. It in no way substitutes for regular meetings and guidance from your academic adviser.

A DPR provides detailed information on how completed courses at UW-Stevens Point and/or other institutions are applied toward degree requirements at UW-Stevens Point and identifies any requirements that remain incomplete. The DPR also includes a major GPA, a UW-Stevens Point GPA, and an overall GPA comprising of both UW-Stevens Point and transfer course credits. For information on how repeated courses grades are calculated and reported, see the [Repeating Courses](#) policy.

Every attempt has been made to keep your degree and program requirements up to date. If you have questions or detect discrepancies on the report, please direct questions or concerns as follows:

- Major/Minor - if the question or concern is related to your major/minor, please consult with your adviser or the Chair of the Department of that major/minor.
- GEP – if the question or concern is related to the General Education Program requirements, please consult with your adviser or email the Office of the Registrar at registrar@uwsp.edu.

NOTE: The DPR is not a transcript. A **transcript** is an official, certified copy of your academic records that shows a complete history of all courses attempted at UW-Stevens Point, including grades received, academic standing, degrees earned, majors, minors, and certificates. A transcript reports courses in semester order and your semester and cumulative grade point averages (GPA's) are shown after each term. Unlike the DPR, courses repeated at another institution will not replace a grade on your UW-Stevens Point transcript or be used to recalculate the cumulative grade point average on your transcript. For more information on how repeated course grades are calculated and reported, see the [Repeating Courses](#) policy.

Drop/Add/Withdrawal Procedures

Dropping and adding courses.

You are expected to complete the courses for which you register. If you decide you do not want to take a course, you **MUST** follow the procedures established by the university to OFFICIALLY DROP the course. If you never attend or stop attending a course and fail to officially drop, you will receive an F in the course at end of the semester.

You are expected to attend the first meeting of class, or have permission from the instructor or chair of the

department to be absent. Those who do not attend the first two days of class may be required to drop if there are others who wish to add the course. It is the student's responsibility to officially drop the course through myPoint or the Enrollment Services Center.

Adds/Drops DURING first eight days of the semester.

You are permitted unlimited adds and drops during the first eight (8) days of the semester. Courses dropped during the first eight days will not appear on your transcript. If you decide to drop the class, please do so using myPoint or visit the Enrollment Services Center, 106 SSC. Changes in class enrollment will impact your tuition and fees balance, financial aid award, and veterans educational benefits.

During the first eight days of the regular 16 week term, your instructor will take attendance. If you are not in attendance, you may be dropped from the class. You are responsible for dropping any of your enrolled classes.

Adds/Drops AFTER the eighth day of the semester.

You may not ADD a class after the eighth day except for extenuating circumstances and only when approved by the department chair, instructor, and your adviser. You may DROP a course after the eighth day and through the tenth week of the semester, after obtaining written authorization from the instructor, your adviser, and in some cases, the department chair of the course(s). You may drop a course after the tenth week for extenuating circumstances such as serious illness, personal duress, or factors beyond your control (documentation will be required).

Requests to drop after the deadline must be directed to the Enrollment Services Center.

You will receive a W on your transcript for all courses OFFICIALLY dropped after the eighth day of the semester and through the tenth week of the semester. (Note: this applies to courses taken as part of a 16 week session). However, ***after your first two semesters of enrollment at UW-Stevens Point, you will be allowed a total of only four (4) W drops during the balance of your undergraduate career, including summer sessions.*** After reaching the four drop limit, you will be permitted to drop a course only for extenuating circumstances. If you stop attending a course you are not permitted to drop, you will receive an F in the course.

Forms and instructions for drops/adds are available in the Enrollment Services Center. You can also find them online on the Enrollment Services Center website (www.uwsp.edu/enrollmentservices). Follow the procedures established and retain a copy of all of your drop/add transactions.

Withdrawal deadlines for courses that meet less than the full term can be viewed on the Enrollment Services Center website.

Students dropping all classes after the first day of classes should see the section on *Withdrawing from the University.*

Withdrawing from UW-Stevens Point.

Withdrawing from the University

- You should discuss the decision with your academic adviser or a college adviser.
- Complete the Withdrawal from University Form/Exit Survey (can be found on the Enrollment Services Center website) and indicate the last date you participated in an academic function such as class, study group, or exam. This date will be your official date of withdrawal. All grades and financial functions will be processed based on this date.
- Meet with an Enrollment Specialist at the Enrollment Services Center to review your withdrawal from the university. The Enrollment Specialist will review the academic, financial and financial aid issues associated with your decision. For students attending via distance education, this process may be completed electronically.

If you withdraw during the first eight days of the semester, only the date of withdrawal will appear on your transcript. After the eighth day and through the tenth week, you will receive a W for each course. After the tenth week you may withdraw with a valid reason for withdrawal such as serious illness or personal issues that are clearly beyond your control. Requests to withdraw after the deadline must be directed to the Enrollment Services Center. If you withdraw from the University after the tenth week with a valid reason, grades of W will be assigned to your courses. You will receive grades for courses completed prior to your withdrawal and you are responsible for any costs associated with those classes.

Grades of W received due to withdrawing from school are NOT counted in the four W limit.

Students without a valid reason for dropping after the tenth week will receive a grade of F. If you stop attending school and do not officially withdraw, you will receive an F for those courses in which you are still registered and will be responsible for the related tuition and fees.

Repeated occurrences of W may affect your ability to maintain standards of academic progress and may jeopardize your financial aid eligibility. See ***Satisfactory Academic Progress for Financial Aid*** in the Finances section of the catalog to determine the effect of courses not successfully completed.

Withdrawal deadlines for courses that meet less than the full term can be viewed on the Enrollment Services Center website.

Dropped from Major

If you have been dropped from your major due to enrollment management policies or because you cannot reach or maintain the academic standards set by your desired major, you may either declare a different major or meet with the staff in the Student Academic Advising Center, Room 103 SSC, 715-346-3361. SAAC staff can assist you in examining major alternatives, in developing your educational plans, in the decision-making

process for selecting a major, and in the clarification of the relationship between educational plans and career goals.

EMPLOYMENT STATISTICS

See [Career Services](#) earlier in this section.

Finals

No final or last exam will be given during the final week of classes. All instructors must meet with their classes during the final examination period at the time and place scheduled.

There is no final exam period scheduled on campus for courses taught 100% distance learning, courses for which no campus visit is required at any time. Instructors of partial distance learning courses, courses of which 75% or more is delivered via distance learning and have at least one required campus visit, may at their own discretion determine if a final examination meeting on campus is warranted. An instructor may change the time or place of a final exam only with the approval of the appropriate dean.

If, due to illness or an emergency, an instructor is unable to give a scheduled examination, the instructor notifies the department chair and the dean and provides a make-up examination. If the university must declare an official emergency during the final examination period, the exams that are postponed will be rescheduled on the next available date, after the exam period has ended, as determined by the Chancellor or his/her designee. Rescheduled exams due to a university emergency will be held in the same rooms and at the same times as their originally scheduled date.

If you have three or more examinations on the same day, or if you have other problems with the examination schedule, you may request that your instructors change the schedule for you.

Grade Review

If an instructor does not give you, by the end of the second week of class, a written statement of how grades are determined, or if you feel that your instructor does not assign grades as described on that written statement, you may appeal the grade you receive in the course.

First talk with your instructor about your concerns. If, after doing so, you are not satisfied, write a statement of the problem and request that your grade be reviewed. Send this to the coordinator for grade review in the Provost/Vice Chancellor for Academic Affairs Office, Room 202 Old Main. You may submit this appeal up until the end of the fourth week of classes in the following semester.

After the coordinator receives your request, the following things take place:

1. You meet with the coordinator and discuss your grounds for appeal, the appeal process, and the options available to the Grade Review Subcommittee if the appeal is sustained.

2. The coordinator gives a copy of your appeal to your instructor and asks the instructor to respond to it in writing within 20 working days.
3. After 20 working days, the coordinator evaluates the allegations and determines if your appeal is valid.
4. Then, if the coordinator concludes that a grade change may be warranted, or if the instructor has failed to respond in writing, the coordinator gives the Grade Review Subcommittee of the Academic Affairs Committee all relevant information and directs the members of the committee to investigate your allegations and determine whether they are valid.

The subcommittee usually reaches a decision by the end of the semester in which you make the appeal. If, however, one of the parties is not on campus that semester, it may take longer.

If the subcommittee or the instructor determines that special academic expertise is needed, the subcommittee solicits an independent evaluation in writing from three impartial experts appointed by the chair of the instructor's department in consultation with the instructor and the subcommittee chair. The subcommittee accepts the evaluation and recommendations of the impartial experts on matters of academic content whenever it asks for them.

After investigating your grievance, the subcommittee will inform both you and your instructor of its decision in writing. If it finds that a change of grade is warranted, it will also recommend to your instructor the appropriate grade change. If your instructor refuses to make the recommended grade change within 10 school days after being notified, the subcommittee will do one or more of the following to protect your interests:

1. Attach to your permanent record and transcript a statement of the recommended change of grade and the reasons your instructor did not change the grade.
2. Exempt the challenged grade from being included in your grade point average, unless you want the grade to be included.
3. Authorize your graduation minus the credit hours represented by the challenged grade, if that grade was F.

Grades

For every course you take, you receive a letter grade.

Grade	Points	Grade	Points
A	4.00	C	2.00
A-	3.67	C-	1.67
B+	3.33	D+	1.33
B	3.00	D	1.00
B-	2.67	F	0.00
C+	2.33		

To determine your **grade point average (GPA)**:

1. Multiply the number of semester hours for each course you have taken times the point value of the grade you have received in each course.
2. Add the products for all your courses.

3. Divide this sum by the number of semester hours you have taken excluding P and I grades.

We use your GPA to determine whether you are eligible for honors; for admission to certain majors, colleges, and curricula; and for determining your eligibility for membership in those university organizations for which scholastic achievement is a criterion.

You may see and print your grades for each term by accessing the website: <https://mypoint.uwsp.edu/regrec/regrec002>. Enter your username and password and then choose the term you wish to see. Besides the grades listed above, you may also receive the following designations on your grade reports, none of which carry a point value:

AU Audit.

CE Credit by exam.

DR Dropped.

EX Experiential learning.

I Your work in a course is incomplete, and you have obtained your instructor's permission to complete the course. (See **Incompletes** later in this section.)

GP Graduate progress.

IP Course in progress.

MC Credit for military experience.

NC No credit.

NR Grade not reported.

P You passed a pass/fail course and received credit for it. If you fail such a course you receive an F and earn no credit. (See **Pass/Fail Grading** later in this section.)

RC Retroactive credit.

S You satisfactorily completed a noncredit course.

TO Exemption/test out.

W You withdrew from a course after the end of the eighth day of classes. If you drop a course before then, the course does not appear on your record.

WV Waiver.

If you voluntarily stop attending a class at any time without completing the prescribed change of program procedure, you are considered as still registered, and you receive an F in the course at the end of the semester.

Graduation

If you are an undergraduate, apply for graduation at least one full semester prior to the term in which you will complete your degree. You can apply for graduation online at:

<https://mypoint.uwsp.edu/regrec/regrec068/Default.aspx>.

It is your responsibility to make sure your majors and minors are declared in the departments of each program prior to applying for graduation. For additional information on graduation, go to www.uwsp.edu/regrec/Pages/graduation.aspx.

To be eligible for the bachelor's degree, you must:

- Complete all the general requirements for your degree.
- Earn a cumulative grade point average of 2.00 in all courses attempted at UW-Stevens Point.

- Earn a minimum 2.00 GPA in all courses required for a major, except in those programs requiring a higher GPA, and complete all the requirements for the major. In some programs, you must also complete an approved minor.
- Earn a cumulative GPA of 2.00 overall (includes both UW-Stevens Point and transfer credits).
- Earn at least 120 credits, which include the general requirements for your degree and the requirements for at least one major. You may need to take some elective credits. Some majors require more than 120 credits.
- Earn at least 40 credits in courses numbered 300 or above.
- Earn at least 30 of your total required credits in courses taken at UW-Stevens Point. Credits earned through experience, advanced placement, or examination programs do not apply.

If you are a graduate student, follow the instructions listed in the **Graduate** section of this catalog.

Graduation, Four-Year Agreement

If your academic goal is to complete a baccalaureate degree with one major in four years, you may decide to participate in UW-Stevens Point's Four-Year Graduation Agreement. Under this agreement, you will work closely with experienced academic advisers to select the appropriate course sequences which will ensure timely completion of your degree requirements. For this agreement, the four year period begins with the start of the term or summer session in which you first enroll and ends 48 months later.

The four-year program has many advantages, including entering the work force or pursuing graduate education as quickly as possible, and avoiding unnecessary undergraduate expenses. However, the program is not for everyone. It might preclude you from obtaining a high credit major that has strict course sequencing, changing majors, extensive extracurricular involvement, internships, or study abroad. For more information, please check with your adviser as soon as you begin coursework at UW-Stevens Point.

Honors

Graduation Honors

You may receive undergraduate graduation honors on the basis of your grade point average for all the courses you have attempted, including college level work you attempted elsewhere and any courses taken at UW-Stevens Point before the declaration of academic bankruptcy. In the commencement ceremony you are recognized on the basis of the work which you complete before your final term. On your transcript, you are recognized on the basis of all the work you have done, including your final term.

Summa cum laude is awarded for a grade point average of 3.90 or above. *Magna cum laude* is awarded for a

grade point average of 3.75 to 3.89. *Cum laude* is awarded for a grade point average of 3.50 to 3.74.

If you are eligible to wear an honors cord at the commencement ceremony, it will be issued to you when caps and gowns are distributed at the University Store. If you have earned summa cum laude honors, you will have the distinction of having your name announced at the commencement ceremony.

Semester Honors–Dean's List

UW-Stevens Point faculty have established semester honors as part of their program to recognize undergraduate students for outstanding academic achievement. To be eligible for semester honors, complete at least 12 semester hours of work with passing grades.

Semester highest honors are awarded for a grade point average of 3.90 or above; high honors are awarded for a grade point average of 3.75 to 3.89; and honors are awarded for a grade point average of 3.50 to 3.74.

Semester honors are printed on your transcript. You will receive an honors certificate and be placed on the dean's list in the Colleges of Fine Arts and Communication, Letters and Science, and Professional Studies when you earn a semester grade point average of above 3.75. The College of Natural Resources awards dean's list certificates to undergraduate students in their college who earn a grade point average of 3.5 or above.

In addition to these honors all undergraduate students who obtain a semester grade point average of 3.9 or above receive an honors certificate from the Vice Chancellor for Academic Affairs.

Department Honors Program

Some departments provide departmental honors programs which involve 9 credits of work or more. Contact individual departments for further information on their programs.

Incompletes

If you are unable to complete your work in a course due to extenuating circumstances or if you need to extend your research or performance beyond the normal limits of a term, you may ask the instructor for an "incomplete" in the course. An "incomplete" should be reserved for the completion of a definable amount of work (for example, one term paper or one exam) that occurs near the end of the semester. An "incomplete" normally will not be used for making up in-class work; therefore do not expect to sit in the class in a subsequent semester. If your request for an "incomplete" is approved, the instructor will inform you and the department chair of the work you need to complete and the due date.

You will have until the end of the next semester (excluding summer session) to complete the work unless your instructor gives you an earlier deadline. Failure to complete the work prior to the appropriate deadline will result in a grade of F. If, for reasons beyond your control, you are unable to make up the "incomplete" by the deadline, you may ask the instructor and department chair to extend this time limit one time. However, any

further extension of time will require the approval of the dean of the college.

DO NOT register for a course in which you received an "incomplete." If you do, the incomplete will be changed to an F. Instead, arrange with your instructor to complete the work remaining in the course. When you have completed the work satisfactorily, your instructor will report the removal of the "incomplete" to the Office of the Registrar who will notify you that your record has been updated. If you do not receive notification after a reasonable waiting period, you should contact your instructor. Your final grade will not change any prior academic status.

Interim Sessions

The university offers a number of short sessions at various times during the year. There is a January "winterim" between the fall and spring semesters, a three-week interim session after the spring semester, and sessions of one to eight weeks in length during the summer. You may complete no more than one credit per week. For further information on interim sessions contact the Enrollment Services Center at 715-346-3300 and the UWSP Continuing Education Office at 715-346-3838 or 1-800-898-9472 for classes geared for the older student and for professional development.

International Programs (IP)

Eric Yonke, Director
Mark Koepke, Associate Director
Room 108, Collins Classroom Center
Phone: 715-346-2717
FAX: 715-346-3591
Email: intlprog@uwsp.edu
Web: www.uwsp.edu/studyabroad

International Programs is the study abroad office on campus. Study abroad can help you complete general education and major program requirements without lengthening your time to degree. Foreign language skills are not a prerequisite for participation in many programs, and you may apply your financial aid money.

You can earn 12-17 UW-Stevens Point credits during a semester abroad and 3 credits during a short-term program.

UW-Stevens Point currently offers semester programs in Australia, Britain, France, Germany, Hungary, Ireland, New Zealand, Poland, or Spain. Summer, Winterim and spring break programs feature varying locations and themes such as art history in China and Japan, tropical ecology in Costa Rica, and international resource management in Belize/Mexico, business internships in China, theater studies in London, music history in Austria and Germany, and architecture and design in Greece, Italy, and France. Internships are available in London year-round.

We encourage you to plan ahead and apply early. Your academic adviser can help you set up a long term course schedule that will combine study abroad with efficient completion of degree requirements. Most student travelers consider their time spent abroad as the

best experience of their college careers. For more information, visit the IP Office, email us, or check out our website.

Major or Minor Declaration

The academic departments decide whom they will accept as majors and minors. As soon as you decide on a major and/or minor, go to that department to declare your intent. The department will determine your “status” as a major or minor and enter it into your computer record. Do this for each major and minor you intend to study.

If you have not yet decided on a major, go to the Student Academic Advising Center (SAAC), Room 103 SSC, to be assigned an adviser. SAAC advisers will assist you in the development of your educational plans, in the decision-making process for selecting a major, and in the clarification of the relationship between educational plans and career goals.

It is up to you to be sure that you complete all the requirements for your major and minor. Check regularly with an adviser in each department in which you have majors and minors to make sure you are meeting all of the requirements. You must have a cumulative grade point average of 2.00 in your major(s)/minor(s), including prescribed collateral courses, in order to be eligible for departmental approval to graduate with the major(s)/ minor(s), unless the department requires a higher grade point average. To see the current requirements for each major and minor, check the requirements under [Courses of Instruction](#) later in this catalog.

If you are seeking teacher certification, you need to earn a 2.50 cumulative grade point average before you student teach. You also need a 2.75 grade point average in your major, minor, concentration, and education courses before you student teach. To be a student teaching intern, you need a 3.00 grade point average in your major, minor, concentration, and education courses.

Your department may discontinue you as a major candidate before you complete two-thirds of the credits required for your major and before you begin your senior year. To do so, they notify you in writing. If you are in good standing as a major during your junior year but do not continue to meet your department’s standards during your senior year, your department may discontinue you then as well.

Your department may also conditionally accept or retain you as a major candidate for your senior year. To do so, at the time they accept you, they notify you in writing of the specific conditions you must meet. If you fail to satisfy these written conditions during your senior year, they may notify you in writing to discontinue you as a candidate.

Minimum Acceptable Standards

You are in good academic standing if you have a semester and cumulative grade point average (GPA) of 2.00 (C) or above. With a GPA at or above 2.00 you meet the minimum acceptable standards of UW-Stevens Point, and are not placed on probation.

Multiple Bachelor's Degrees

Under the new GEP and the new degree type requirements, you will receive separate diplomas if you complete the requirements for multiple different baccalaureate degree types concurrently.

You may want to return to school after graduating to complete additional majors or minors. You may do so without earning a second degree. However, if you have earned one bachelor’s degree, you may subsequently earn a second by completing all requirements for the second degree.

You may use courses you completed for your first degree to satisfy requirements for your second degree. The major for your second degree must be an approved major for that degree.

Nontraditional Students

If you have experienced a break in your education or if you are over 24 years of age and now wish to begin your college education, you are a nontraditional student. For more information, contact Non-Traditional Student Services, Room 070D, Dreyfus University Center, 715-342-5327. Scholarships for nontraditional students are also available.

Online, Distance, or Independent Learning Courses

UW-Stevens Point offers some online courses through UWSP Continuing Education. See [UWSP Continuing Education](#) later in this section or visit their website at www.uwsp.edu/conted. You may earn credits online or through distance or independent learning from other accredited universities and transfer the credits to apply toward your degree at UW-Stevens Point. These transfer credits must meet all the rules about transferring credits to UW-Stevens Point. See [Transferred Credits](#) later in this section.

If a course is to meet a general degree requirement, you should check with the Office of the Registrar, 101 SSC, about how it will transfer. If you want the course to apply to a major or minor, you need to check with the appropriate academic department.

Fee waivers for courses taken through UW-Independent Learning (Learning Innovations): If you are a full-time student at UW-Stevens Point and want to take a course through UW-Independent Learning (Learning Innovations), you may qualify for a fee waiver of all or part of the tuition for this course. You must apply for this fee waiver in the Office of the Registrar, 101 SSC, during the first half of the semester. A fee waiver

will not apply to service charges, textbooks, or course materials.

UW-Independent Learning catalogs are available online at <https://il.wisconsin.edu> or call 877-895-3276.

Pass/Fail Grading

Through the pass/fail grading program, you gain the opportunity to secure a broader, more liberal academic experience than is usually possible under the traditional, many-stepped grading program. As a result, you may take courses which are personally or intellectually attractive to you, without the pressure to secure and maintain a high grade point average. You may take courses of value outside your major in which your knowledge is not great enough to sustain a high letter grade. You may, in other words, experience learning for its own sake.

Register for the pass/fail option on or before the eleventh day of classes. You may not change either to or from pass/fail after the eleventh day of classes except for extenuating circumstances and only when approved by the department chair, the instructor, and your adviser. If you earn a P in your course, you have passed it and are granted credit for it. We do not include a grade of P in calculating your grade point average; however, we do apply the credit you earn toward your degree.

If you earn an F in your course, you have failed it and do not receive credit for it. We do include a grade of F in calculating your grade point average.

At the undergraduate level, you may select up to five pass/fail credits (other than the required GDR wellness) each semester. However, you may count no more than 20 credits from pass/fail courses (other than the required GDR wellness) toward your degree requirements.

If you are on probation, you may take a course on a pass/fail basis only if it is in the required GDR wellness or if the course is offered as pass/fail only.

Count pass/fail courses only as electives. You may count the “pass” credits you earn toward the total credits you need for a degree; **however, pass/fail courses DO NOT satisfy general degree requirements (GDRs) or requirements of the General Education Program (GEP).** For example, a course which applies toward the humanities requirement might be available on a pass/fail option. If you take the course pass/fail and pass, you may **NOT** count it toward your humanities requirement. If you take it on an A-F basis and earn a D or better, you may count the course toward your humanities requirement. However, in both cases you may count the credits toward the total number of credits you need for your degree.

There are three exceptions to this rule:

1. You may satisfy your wellness/health enhancement requirements of the GDRs with pass/fail courses.
2. Certain courses offered only as pass/fail may be approved for Experiential Learning credit in the GEP. You cannot use your pass/fail option in a course normally offered on an A-F basis and count it toward the Experiential Learning requirement.
3. In certain departments you may be permitted to take up to two pass/fail courses in your major and one pass/fail course in your minor. To do this, you will need to fill out a special pass/fail registration form available in the Enrollment Services Center, 106 SSC.

For information on which courses are offered pass-fail, go to the Enrollment Services Center homepage (www.uwsp.edu/enrollmentservices) and then click on “Class Search.” The link for Pass/Fail Grading is on the top of that page. Each department determines which courses to include in the program and under what conditions.

Departments provide the option of a standard grade in all courses offered under the pass/fail program except for those courses and sections that were approved to be offered as pass/fail only.

PREREQUISITES

See [Courses of Instruction](#).

Probation/Suspension

You are in good academic standing if both your semester and cumulative grade point averages (GPAs) are 2.00 or better.

Probation-1 means that either your semester GPA or your cumulative GPA (or both) are less than 2.00. This is a warning that you need to raise both your semester and cumulative GPAs to a 2.00 or higher at the end of your next semester of attendance at UW-Stevens Point to be in good standing.

1. If you are on Probation-1 and your semester **OR** cumulative GPA (but not both) falls below 2.00 at the end of your next semester of attendance, you will be placed on Probation-2.
2. If you are on Probation-1 and your semester **AND** cumulative GPA fall below 2.00 at the end of your next semester of attendance, you will be suspended.
3. Probation-1 does not appear on your transcript.

Probation-2 means that either your semester or your cumulative GPA is less than 2.00 **AND** you are already on Probation-1. This is a final warning that you need to raise both your semester and your cumulative GPAs to a 2.00 or higher at the end of your next semester of attendance.

1. If you are on Probation-2 and your semester **OR** cumulative GPA falls below 2.00 at the end of your next semester of attendance, you will be suspended.
2. Probation-2 does not appear on your transcript.

Once placed on probation you must meet with your adviser by the end of the first week of classes of the next term you attend.

Suspension means that you are not eligible to continue classes at UW-Stevens Point for a period of time. If you are suspended, you will be sent a copy of your academic record and a letter that further explains your situation. You will be suspended if:

1. You earned less than a 2.00 in EITHER your semester or cumulative GPA after having been on Probation-2.
2. You earned less than 2.00 in both your semester and cumulative GPAs after having been on Probation-1.
3. You earned a cumulative GPA less than 2.00 and a semester GPA less than 1.00.
4. You were admitted to UW-Stevens Point on probation and you earned less than a 2.00 GPA during your first semester of attendance at UW-Stevens Point.

Suspension status DOES appear on your transcript.

Winterim grades can be used to improve your academic standing, but you cannot be placed on academic probation or suspension as a result.

Summer grades can cause you to be placed on or off academic probation, but you cannot be suspended as a result.

You may attend a summer session after being suspended. While your successful performance in such courses may provide evidence of your readiness to return to college, it does not guarantee your readmission to UW-Stevens Point. Please call Admissions at 715-346-2441 for more details. Also see [Academic Bankruptcy](#) and [Returning UW-Stevens Point Students](#).

READMISSION TO UW-STEVENS POINT

See [Returning UW-Stevens Point Students](#) earlier in this catalog.

Records (Privacy and Access)

The Family Education Rights and Privacy Act of 1974 as amended entitles you to review "official records, files, and data directly related" to you which the university maintains. You may also request a hearing regarding any alleged "inaccurate, misleading, or inappropriate" information. In most circumstances, the university will not release information from your records to third parties without your consent or notice to you. An interpretation of the law is printed below. Copies are available at the Office of the Registrar, 101 SSC.

The Family Education Rights and Privacy Act of 1974, as amended, requires that you be advised of your rights concerning your education records and of certain categories of public information which the university has designated "directory information." This notice, in

question and answer format, satisfies this requirement of the act.

As a student on the Stevens Point campus, what rights do I have regarding my university records?

You have the right to inspect and review all your records which meet the act's definition of "education records."

What is the definition of "education records?"

Education records are all the records maintained by the university about you. There are six exceptions:

- Personal notes of UW-Stevens Point staff and faculty.
- Employment records.
- Medical/counseling records used solely for treatment.
- Financial records of your parents.
- Confidential letters, statements or recommendations placed in your records prior to January 1, 1975.
- Confidential letters and statements or recommendations for admission, employment, or honorary recognition placed in your records after January 1, 1975, for which you have waived the right to inspect and review.

Is there any situation in which the university may insist that I waive my rights?

Under no condition may you be required to waive your rights under this act before receiving university service or benefits.

Where are my records kept?

Records are not maintained in a central location on the campus. Requests to review your records must be made separately to each office which maintains your records. Your request must be made in writing and presented to the appropriate office. That office will have up to 45 days to honor your request. For most students, these offices will include those of the registrar, your school or college dean, your major department, Protective Services, and any other campus office with which you have been in contact, such as Student Financial Aid or Residential Living.

What if I do not agree with what is in my records?

You may challenge any information contained in your "education records" which you believe to be inaccurate, misleading, or inappropriate. This right does not extend to reviewing grades unless the grade assigned by your professor was inaccurately recorded in your records. You may also insert a statement in your record to explain any such material from your point of view. If you wish to challenge information in your file, you must make a written request for a hearing to the dean or director of the appropriate office. In most cases, the decision of the dean or director will be final. However, you may elect to file an appeal in writing to the Vice Chancellor for Student Affairs who will review the decision only if a significant question of policy or compliance with the law appears to be raised by the case.

May I determine which third parties can view my education records?

Under the act, your prior written consent must be obtained before information may be disclosed to third

parties unless they are exempted from this provision. Exceptions include:

- Requests from the University of Wisconsin-Stevens Point faculty and staff with a legitimate educational "need to know."
- Requests in accordance with a lawful subpoena or court order.
- Requests from representatives of agencies or organizations from which you have received financial aid.
- Requests from officials of other educational institutions in which you intend to enroll.
- Requests from other persons specifically exempted from the prior consent requirement of the act (certain federal and state officials, organizations conducting studies on behalf of the university, accrediting organizations).
- Parents who claim students as dependents under the Internal Revenue code of 1954, Section 152, and who provide proof of such status.
- Requests for "directory information" (please refer to the next question for an explanation).

What is meant by the term "directory information?"

The university, in accordance with the act, has designated the following categories of information about you as public unless you choose to exercise your right to have any or all of this information withheld. This information will be routinely released to any inquirer unless you request that all or part of this be withheld.

These categories are:

- Name.
- Home address.
- Home telephone number.
- Local address. (Keep your local address current in myPoint.)
- Local telephone number.
- Email address.
- Place of birth.
- Major/minor field of study, and college.
- Participation in officially recognized university activities and sports.
- Weight and height of members of athletics teams.
- Attendance (including beginning, ending, registration and withdrawal dates; credits carried in a term; current classification; and graduation dates).
- Degrees and awards received (type of degree and date granted).
- The most recent previous educational agency or institution attended.
- Name of parents or guardian.
- High school from which you graduated.

What kinds of inquiries does the university receive for "directory information?"

The university receives many inquiries for "directory information" from a variety of sources including friends, parents, relatives, prospective employers, graduate schools, honor societies, licensing agencies, government agencies, and news media.

What if I don't want "directory information" released?

Please consider very carefully the consequences of any decision by you to remove these items from the list of "directory information." Should you decide to inform the university not to release any or all of this "directory information," any future request for such information from non-university persons or organizations will be refused. For example, the university could not release your telephone number and address to a family member wishing to notify you of a serious illness or crisis in the family. A prospective employer requesting confirmation of your major field of study or address would also be denied access to such items, should you withdraw them from the list of "directory information." The university will honor your request to withhold any of the items listed above but cannot assume responsibility to contact you for subsequent permission to release them. Regardless of the effect upon you, the university assumes no liability of honoring your instructions that such information be withheld.

If you wish to file a form withdrawing some or all of the information in the "directory" classification, you should report to the Office of the Registrar, 101 SSC, and complete the necessary form.

Where can I find out more information about the provisions of the act?

If you have any questions regarding the provisions of the act, you may contact the Office of the Registrar, 101 SSC, 715-346-4301.

Whom should I contact if I wish to make a complaint?

If you believe that the university is not complying with the act, please direct your comment to the Associate Vice Chancellor for Enrollment Management, 715-346-4093.

Registration

You may register at UW-Stevens Point or add additional courses online through the eighth day of classes during the fall and spring semester. After the eighth day of classes, the online registration system is turned off and appropriate signatures will be required to add or drop courses.

Religious Beliefs Accommodation

It is UW System policy to reasonably accommodate your sincerely held religious beliefs with respect to all examinations and other academic requirements.

1. You will be permitted to make up an exam or other academic requirement at another time or by an alternative method, without any prejudicial effect, if:
 - a. There is a scheduling conflict between your sincerely held religious beliefs and taking the exam or meeting the academic requirements; and
 - b. You have notified your instructor within the first three weeks of the beginning of classes (first

week of summer or interim courses) of the specific days or dates that you will request relief from an examination or academic requirement.

2. Your instructor will accept the sincerity of your religious beliefs at face value and keep your request confidential.
3. Your instructor will schedule a make-up exam or requirement before or after the regularly scheduled exam or requirement.
4. You may file any complaints regarding compliance with this policy in the Equity and Affirmative Action Office.

Remedial Coursework

If you are placed into a remedial course in mathematics, your academic adviser will encourage and help you restrict your coursework to a level that will allow you to succeed.

You must receive written permission from your adviser to enroll in more than 16 credits during any semester in which you are taking remedial courses. If you want to take more than 17 credits during a semester that includes remedial courses, you must get written permission from the dean of your college. Decisions about the number of credits you can take in one semester while doing remedial coursework are based on such things as your ACT score, high school class rank, overall high school record, university grade point average, and demands on your time from coursework, extracurricular activities and employment.

If you enter UW-Stevens Point and are placed into a remedial math course, you must complete it before you earn 30 credits toward graduation. If you fail to complete the remedial coursework before earning 30 credits, you will be restricted to a maximum of 12 credits a semester, including the remedial course, until the requirement is met.

Repeating Courses

A. Repeating a course at UW-Stevens Point that was originally taken at UW-Stevens Point.

You may repeat a course in which you received a D+, D, or F if you receive online authorization from your adviser and the chair of the department in which the course is offered BEFORE you register for the course (see repeat policy for First Year Seminar below). If you are a graduate student and need to repeat a graduate course, you must have the written authorization of the dean of the college offering the course.

A second repeat of a course in which you received a D+, D, or F requires written authorization from the dean of the college, in consultation with your adviser and the department chair in which the course is offered, BEFORE you register for the course.

You may not repeat a course in which you received a grade of C- or better. Your dean, in consultation with the department chair, may grant an exception on appeal only for extenuating circumstances. You must obtain written authorization from your adviser, the chair of the

department and the dean of the college in which the course is offered BEFORE you register for the course.

B. Repeating a First Year Seminar (FYS) Course:

1. You can only repeat an F letter grade for any First Year Seminar course. Repeats are not allowed for any passing grade earned in a First Year Seminar course, including a D or D+.
2. If you elect to repeat your First Year Seminar course, then
 - a. you must request permission from the Director of General Education to repeat the course, and
 - b. you must enroll in the repeated First Year Seminar course before you earn a total of 30 credits.
3. When repeating your FYS, you may take any FYS course number.
4. If you do not earn a passing grade for a First Year Seminar course by the time you earn 30 credits, contact the Director of General Education who will approve an appropriate substitute course. Note: The grade for this additional course will not replace the F from your FYS course in your GPA.

If you repeat a course which you had initially completed here, we figure only the credit and grade you earn in your last attempt in your cumulative grade point average. However, we do not expunge your original grade from your transcript. On the Degree Progress Report (DPR), the major GPA and the overall GPA will be recalculated using the grade earned in your last attempt and the first attempt course and grade will be listed in the "Courses not Applicable" category. This applies only when the original attempt and the repeat are taken at UW-Stevens Point.

Be sure to have your request authorized BEFORE registering for the course. Any repeat not authorized before enrolling in the course will result in the repeat being expunged from your record.

C. Repeating a course at another institution that was originally taken at UW-Stevens Point.

Grades of D or better may NOT be repeated at another institution. Courses in which you received grades of F at UW-Stevens Point may be repeated at another institution. Courses repeated at another institution will not replace a grade on your UW-Stevens Point transcript or be used to recalculate the cumulative grade point average on your transcript. However, courses repeated at another institution will replace a grade on your Degree Progress Report (DPR) and it will be used to recalculate the major GPA and the overall GPA on the DPR.

D. Repeating a course at UW-Stevens Point that was originally taken at another institution.

Grades earned at another institution may be repeated at UW-Stevens Point provided you follow the same approval process as if the original grade was earned at UW-Stevens Point. If approved, the previous attempt earned at the other institution will be removed from your UW-Stevens Point transcript and Degree Progress Report.

Residence Requirements

To be eligible for a bachelor's degree from UW-Stevens Point, you must earn at least 30 of your total required credits in courses taken at UW-Stevens Point. Credits earned through experience, advanced placement, or examination programs do not apply.

RESIDENCY (STATE OF WISCONSIN)

See [Finances](#) earlier in this catalog.

Safety and Health Policy

It is the policy of the University of Wisconsin System to provide and maintain adequate facilities for a safe and healthy learning environment. Faculty and staff will comply with state and federal safety laws and educate their students on practices and procedures that ensure safety for all members of the university.

Certain courses and research projects may require you to work with hazardous materials. Your instructor will inform and train you on procedures that will maintain your personal health and safety and provide you with information on the hazards of materials you may be using. Before using hazardous materials and equipment, you should review the procedures and information, and discuss any concerns with your instructor.

SATISFACTORY ACADEMIC PROGRESS

See [Finances](#) earlier in this catalog.

SEMESTER HOURS/CREDIT

See [Credits/Semester Hours](#).

Smoking

All buildings on the UW-Stevens Point campus are smoke free.

Student Rights and Responsibilities (student conduct)

The Office of Student Rights and Responsibilities protects your rights as a student. If you believe that your rights have been violated, or if you have questions concerning your rights, write or visit the office in Room 139 Delzell Hall, or call 715-346-2611.

You have the responsibility to act appropriately and responsibly. If your actions conflict with the welfare and integrity of UW-Stevens Point or disregard the rights of other members of the university community, including guests and visitors to the university, you will face student conduct disciplinary proceedings.

You will find copies of the University of Wisconsin System disciplinary procedures and UW-Stevens Point's institutional policies under these procedures (Chapter UWSP 17) on the Web at www.uwsp.edu/stuaffairs/Pages/rightsandresponsibilities.aspx and at each

residence hall desk, the Reserve Desk of the Learning Resources Center, the Information Desk of the Dreyfus University Center, the offices of all academic deans, and the Office of Student Rights and Responsibilities. We urge you to read Chapter UWSP 17, which is part of our contract with you, since it describes what constitutes violations of appropriate conduct on campus and at university activities.

Study Load

The typical study load is 14-16 credits per semester (including courses at other universities and through distance education). You may take 17 credits with the permission of your adviser. Study loads of 18, 19, or 20 credits must be approved BEFORE you register. For the appropriate authorizing official for your department/program, go to the Office of the Registrar homepage (www.uwsp.edu/regrec/) and click on "Academic Info A-Z." From there, click on "Study Load" under "S."

The dean of your college must approve study loads of 21 credits or more. We grant requests only for extraordinary reasons and only for students with outstanding academic records.

Note that you will be limited to 12 credits if you:

- Do not complete required remedial courses before you earn 30 credits.
- Do not complete the Foundation Level requirements of the General Education Program before you earn 60 credits. See [General Education Program \(GEP\)](#) for the complete policy.

Check with the Enrollment Services Center if you wish to appeal this restriction.

In order to qualify for either Social Security benefits or full Veterans Benefits (Public Law 550), you must carry at least 12 credits (semester hours) of courses.

Summer Sessions

From mid-May to mid-August you may take part in undergraduate or graduate summer school courses lasting from one to eight weeks. Classes generally meet Monday through Thursday. You may also take part in any of several summer session camp programs. Ask your adviser if credits in one of these would apply toward your requirements. You can view the summer session class schedule at <https://mypoint.uwsp.edu/regrec/regrec046/regrec046.aspx>.

SUSPENSION

See [Probation/Suspension](#).

Sustainability

UW-Stevens Point is committed to sustainability and its practice in our daily operations. Sustainability is the human enterprise of living to meet today's needs without compromising the needs of future generations, and to be ecologically sound, socially just, culturally affirming, politically doable, and economically viable. We demonstrate our commitment to sustainability through such measures as resource recovery (recycling),

composting food wastes, energy reduction and continually exploring ideas to promote and support sustainability initiatives.

Text Rental

The primary textbook usage at UW-Stevens Point is through Textbook Rental, a self-supporting service financed through student text rental fees. The Text Rental service is available to undergraduate students and is similar to a library system, where you check out most of your course books and return them at end of the semester. *(The rental fee is included in the undergraduate tuition.)* A UW-Stevens Point PointCard I.D. is required to check books out and in. *(UW-Stevens Point has been operating a "text rental" service since its beginning in 1894.)* Additional supplemental books and materials for courses are generally "purchase" items for students; i.e. study guides, workbooks, consumable items, etc. www.uwsp.edu/centers/textrental/index.asp.

Transcripts

Your transcript is an official, certified copy of your academic record at UW-Stevens Point. It shows all the courses that you have attempted; all credits, grades, and degrees you have earned; and whether you have been placed on academic or non-academic suspension.

You may order copies of your transcript online through the Office of the Registrar (www.uwsp.edu/regrec/Pages/WebHelp/transcriptInfoRequests.aspx). In order to receive a transcript or diploma, you must have paid all your financial obligations to UW-Stevens Point.

Transferred Credits

We use only the credits and grade points you earn at UW-Stevens Point in determining your cumulative grade point average. However, transfer credits and grades are included in the calculation of the grade point average in most majors and minors and in the determination of graduation honors.

You may use credits with grades of D or better that transfer-red from an accredited institution toward graduation. You may also use them to meet your requirements and prerequisites for specific courses, but not necessarily toward your major.

Because different institutions use different course numbering systems, we may not consider a course numbered 300 or above at another institution to be equivalent to a course we number 300 or above here. Direct any questions about the transfer of your credits to the Admissions Office, Room 102, Student Services Center.

If you earn the last credits toward your degree at another college or university, have a transcript of these credits sent to the Office of the Registrar, UW-Stevens Point, 1108 Fremont Street, Stevens Point WI 54481-3897, within 30 days after the date of the UW-Stevens Point graduation. If you fail to meet this

deadline, your degree will not be awarded until the next graduation.

Tutoring Services

With a staff of 125-150 peer tutors and writing consultants, the Tutoring-Learning Center (TLC), located in the lower level of the Learning Resources Center, 346-3568, offers tutoring to students in most introductory level courses. Each academic year, nearly 25 percent of the student body, from freshmen to graduate students, participate in tutorials with TLC peer educators and Writing Lab consultants.

TLC Tutorial Programs

Writing and Reading. Work one-on-one with trained peer writing and reading consultants on assignments for university classes. You can also receive help with difficult course readings, test prep, and study skills in the Humanities and Social Sciences.

Tutoring in Math and Sciences. Meet individually or in small groups with tutors for courses in mathematics, sciences, natural resources, and accounting.

Computer Guide Program. Meet with trained undergraduates with expertise in software applications to assist them with their computing and software learning needs.

Reading in the Disciplines Program (RID). Some university courses with challenging reading offer a one-credit discussion section led by a teaching assistant. RID groups are scheduled at the request of the course instructor.

English '57 Series. In this one-credit independent writing course (ENGL 157, 257, or 357), students explore various kinds of writing in one-on-one sessions with peer tutors.

UWSP Continuing Education

Tom Gospodarczyk, Executive Director
Room 032, Main Building
Phone: 715-346-3838 or 800-898-9472
Email: uwspce@uwsp.edu
Web: www.uwsp.edu/conted

UWSP Continuing Education is the center of continuing education and lifelong learning at UW-Stevens Point offering programs and support services for individuals and organizations in education, government, business and industry, arts and leisure. UWSP Continuing Education provides credit classes (including online and face-to-face courses), certificate programs, non-credit conferences, workshops and seminars, conference and event planning services, contract training, business counseling, web survey design and implementation services, evening degree completion programs, and an array of personal enrichment and professional development opportunities for youth, working adults and special audiences. CE facilitates the following programs and services:

- **Arts and Culture Outreach:** features exciting programs in music, dance, drawing, creative writing, mixed media arts and photography, with classes, lessons and workshops for children and adults.

- **Arts and Music Camps:** summer camps for junior and senior high school students, including studio art, music, and theatre/dance.
- **Credit Classes (Online and Face-to-Face):** offered in a variety of formats and time frames, credit courses are available for professional development and degree completion in a variety of disciplines.
- **Conference Planning:** can completely plan and administer conference or small workshops from initial planning to final wrap-up, or can provide partial services based on need.
- **Continuing Education Units:** CEU's are offered through the Continuing Education Office for noncredit professional development programs.
- **CPS-Continuing Education (CPS-CE)**
Room 100, College of Professional Studies Building
Phone: 715-346-3801 and 715-346-4782
Web: www.uwsp.edu/cps/conted
CPS-CE offerings include first-year teacher induction courses; mentor-teacher classes; graduate-level certifications in early childhood education, alternative education, gifted and talented education, adapted physical education, health education, family and consumer science education, and reading; two nine-credit graduate-level strands for the master's in education along with electives; courses for the master's degree in human and community resources and nutritional sciences; a graduate level health and wellness coaching certificate; and undergraduate online degree completion program for health and wellness management; and undergraduate degree completion program in Early Childhood Education; and an undergraduate collaborative degree program in business at UW-Marathon County.
- **Environmental Education Outreach:** includes programs about energy, forestry, outdoor education and a dedicated MS program for K-12 educators. The aim of EE Outreach is to promote environmental leaders across the state.
 - **Extended Master's Degree in Environmental Education (MSNREE)** for licensed K-12 teachers seeking workplace advancement while working from home. For more information, see the **Graduate** section of this catalog.
 - **Online MS in Environmental Education and Interpretation (OMSEEI)** for non-formal educators and working professionals seeking workplace advancement while working from home. For more information, see the **Graduate** section of this catalog.
 - **Online MS in Natural Resources Leadership and Administration (OMSNRLA)** for working professionals seeking workplace advancement while working from home. For more information, see the **Graduate** section of this catalog.
 - **Graduate Fellowship in Residential Environmental Education (GFREE)** While studying in an intensive master's degree program, UW-Stevens Point graduate fellows work as field instructors and residential life leaders at Conserve School, an independent boarding school, and Treehaven, a UW-Stevens Point natural resources and environmental education center.
- **KEEP (Wisconsin K-12 Energy Education Program)** aims to energize Wisconsin K-12 classrooms with information and curricular activities about energy use, concepts and issues. See www.uwsp.edu/cnr/wcee/keep
- **LEAF** (Learning, Education, and Activities in Forestry) provides quality forestry education materials and school forest and consulting services to formal and nonformal educators in Wisconsin. See www.uwsp.edu/cnr/leaf
- **Learning Is For Ever (LIFE):** a membership-based association for senior adult learners, providing many classes and special programs for personal enrichment including lectures, music and theatre events, study and discussion groups and field trips.
- **Music Lessons:** private music lessons are offered in a variety of instruments and voice by experienced area musicians and advanced UW-Stevens Point music students.
- **Small Business Development Center (SBDC):** provides no cost, confidential business counseling on best business practices for those starting or growing a small business throughout nine Central Wisconsin counties. In addition, the SBDC offers non-credit business workshops, seminars and conferences. Through the Entrepreneurship Training Program, the SBDC guides both start-up and existing business owners through the business planning process. Fee based services such as GIS Trade Area Mapping help with location analysis and strategic marketing decisions. The SBDC and Continuing Education also customize and coordinate training programs for business and industry.
- **Study Tours:** short-term international travel opportunities for adults of all ages.
- **Summer Arts Camps:** (see **Arts and Music Camps**).
- **Travel:** (see **Study Tours**).
- **UWSP STEM Career Day:** An event offered annually to 9th through 12th grade high school students who are interested in exploring careers in science and technology, through hands-on workshops and activities presented by UW-Stevens Point faculty, staff and professionals in various fields.
- **Women & Science Day:** An event offered annually for girls in 7th and 8th grade to explore and learn about careers in a variety of science disciplines through hands-on workshops presented by University faculty, staff, students, and professional women from around the state of Wisconsin.

Winterim

Winterim is a short session that occurs during the three weeks preceding each spring semester. A variety of

courses are offered to help you accelerate degree completion or catch up on a few credits.

WISCONSIN RESIDENCY

See [Finances](#) earlier in this catalog.

WITHDRAWING FROM

UW-STEVENS POINT

See [Drop/Add/Withdrawal Procedures](#).

YEAR IN SCHOOL

See [Classification/Year in School](#).

College of Fine Arts & Communication (COFAC)

Jeff Morin, Dean

Room 101, Noel Fine Arts Center

Phone: 715-346-4920

Email: cofac@uwsp.edu

Web: www.uwsp.edu/cofac

The College of Fine Arts & Communication is committed to a broad understanding of the arts, the humanities, and communication as a basis for reasoned, intelligent, and sensitive individuals interacting with society. The college is also committed to a broad understanding of the many aspects of the arts and communication as they relate to a changing world with its dynamic and diverse cultures. Most importantly, the college is committed to excellence in training communication, visual arts, and performing arts professionals. Through its students, faculty and programs both on and off campus, the College of Fine Arts & Communication inspires, creates, and achieves.

Curriculum in Fine Arts and Communication

Educational experiences and courses for fine arts and communication majors, minors, and general student needs include:

- History, criticism, theory, and practice in fine arts and communication.
- Practical applications in the arts and communication through laboratory, studio, internship and other experiences.
- Production and performance experiences through art exhibitions, plays, musicals, dance productions, film, radio and television broadcasting, and various other forms of communication.

You may choose a professional program in a specific field or a more broadly based curriculum with a wide variety of choices. You may choose one of the majors listed below or a minor in the college with a major from another area.

There are four departments offering degree programs within the college: Art & Design, Music, Theatre & Dance, and the Division of Communication. The Departments of Art & Design, Music, and Theatre & Dance each enjoy full national accreditation by their respective associations. UW-Stevens Point is one of 30 such universities in the country to carry this designation.

Majors in Fine Arts and Communication

Degrees offered are:

1. Bachelor of Arts in art, dance, drama, music, arts management.

2. Bachelor of Arts or Bachelor of Science in communication.
3. Bachelor of Fine Arts in art with graphic design, two-dimensional or three-dimensional emphases; theatre arts with options in acting, design and technology, or musical theatre.
4. Bachelor of Music with options in applied music, jazz, music education, and music literature.

Refer to the degree requirements listed in each department's section of this catalog.

To earn your degree, successfully complete the General Education Program requirements, requirements for your major, and approved electives totaling no less than 120 credits. To graduate, you must earn at least 40 credits in courses numbered 300 or above.

If you wish to meet teacher certification requirements in music, consult the [Education](#) section later in this catalog for additional courses required through the College of Professional Studies.

Minors in Fine Arts and Communication

Minors are available in art history, communication, dance, drama, and music.

College Honors – Fine Arts and Communication

Undergraduate, full-time majors in the College of Fine Arts and Communication who have achieved a semester grade point average over 3.75 are awarded the Dean's Distinguished Achievement Award.

Nondegree Experiences in the Arts and Communication

Noncredit courses of study are offered through the college's continuing education program, and the Aber Suzuki Center and American Suzuki Institute. The college also organizes the annual Performing Arts Series with internationally acclaimed artists performing at the Sentry Theater.

Graduate Programs in Fine Arts and Communication

Graduate programs are available in music and communication. See the [Graduate](#) section of this catalog for details.

College of Letters and Science (COLS)

Christopher Cirimo, Dean

Todd Good, Interim Associate Dean

Dona Warren, Assistant Dean

Room 130, Collins Classroom Center

Phone: 715-346-4224

Email: cols@uwsp.edu

Web: www.uwsp.edu/cols

Through courses we offer in this college we help you to:

- Understand, effectively use, and appreciate the process of learning.
- Recognize the complexity of problems and improve your ability to develop creative solutions.
- Increase the breadth and depth of your understanding of the humanities, sciences, and social sciences.
- Succeed in your studies and in preparing for a career.
- Join a community of teachers, scholars, and students who strive for high standards of academic achievement.

Majors in Letters and Science

In the College of Letters and Science, you may select from the following majors: American studies, biochemistry, biology, chemistry, computer information systems, English, French, geography, German, history, international studies, mathematics, natural science, philosophy, physics, political science, psychology, public administration and policy analysis, social science, sociology, Spanish, and web and digital media development.

Before declaring a major, read the sections of this catalog under [Courses of Instruction](#) that deal with departments of greatest interest to you. Also see the student handbooks of these departments to see descriptions of their majors, minors and courses of study.

Declare your major by the time you have earned 56 academic credits (excluding required wellness). Please go to the departmental office of the major of your choice and the staff in that office will help you complete this process. Ordinarily, a department will accept you for major study. However, they may refuse to accept or have you continue in the major if your academic record does not satisfy their regulations. (See the section of this catalog entitled [Major or Minor Declaration](#) under [More Academic Information](#).)

Minors in Letters and Science

In the College of Letters and Science you may select from the following minors: anthropology, applied mathematics, aquaculture/fish culture, biology, chemistry, comparative literature, earth science, English, English for elementary education, teaching English as a second language, environmental studies, French, geographic information systems and spatial analysis,

geography, geology, German, gerontology, history, international studies, mathematics, museum techniques, Native American studies, natural science, peace studies, philosophy, physics, political science, psychology, public administration and policy analysis, religious studies, small city analysis, social science, social science in health, sociology, Spanish, web and digital media development, women's and gender studies, and writing.

If you declare a major, it may be within or outside the College of Letters and Science. The only program in Letters and Science that requires you to declare a minor is computer information systems. The staff in the departmental office of the minor of your choice will help you complete this process. Ordinarily, a department will accept you for minor study. However, they may refuse to accept or have you continue in the minor if your academic record does not satisfy their regulations.

College Honors – Letters and Science

Dean's Distinguished Achievement Award certificates for semester honors are given to all majors in the College of Letters and Science who complete at least 12 credits in any semester with a grade point average of 3.76 or above.

Preprofessional Study

Before entering many professional schools, you must complete part of your college work. If you wish to enter one of these schools, you may register in the College of Letters and Science and then begin working with an adviser familiar with the requirements of the profession you plan to enter. Your adviser can help you plan your studies within either the Bachelor of Arts or Bachelor of Science program.

In the following paragraphs, you will find information on how to prepare for some professions. If you would like more specific information or suggestions, we would be happy to send them to you.

Different schools training people for the same profession sometimes have different entrance requirements. Generally, entrance requirements have grade point restrictions on your cumulative GPA. However, this may vary from institution to institution. At UW-Stevens Point you may repeat a course for which you earned a D+ or less. You may not repeat a course in which you earned a grade above D+.

Make sure you know the requirements of the school you plan to enter, and frequently review your progress with your adviser. Your adviser, department chair, and the staff in the office of the Dean of the College of Letters and Science will be happy to help you. But remember that it is up to you to meet all college and university requirements, rules, and regulations.

Dentistry: UW-Stevens Point has an excellent pre dental program with a diversity of courses and options that will permit you to meet or surpass the admission requirements for most of the dental schools in the United States. Most dental schools require a minimum of three

years (90 semester credits) of pre dental education. The pre dentistry course requirements may be integrated into the requirements for almost any major offered at UW-Stevens Point. Many students accepted into dental school have a major in biology, chemistry, or both. All dental schools require candidates to take the Dental Admission Testing Program exam given in October and April. Consult regularly with the dentistry adviser on campus as you plan your undergraduate curriculum, so that you stay informed of changes in requirements and recommended courses at specific dental schools.

Education: If you have not yet determined the subjects you would like to teach, talk with your adviser or the advising office in the School of Education. If you seek a certificate to teach at the secondary level, with a major offered in the College of Letters and Science, you may either complete your general requirements for your BA or BS degree in the College of Professional Studies or the College of Letters and Science. See the [Education](#) section later in this catalog for complete information on your education requirements.

Engineering: Requirements for the UW-Stevens Point pre-engineering program vary from one specialization to another. However, if you plan to pursue a career in engineering, you will need to concentrate on mathematics and the sciences. Most likely you may complete two years of preparation at UW-Stevens Point. See the Department of [Paper Science and Engineering](#) for details about prechemical engineering. For pre-engineering in preparation for mechanical, civil, electrical and other areas of engineering, see the Department of [Physics and Astronomy](#).

Law: Normally, you must complete a Bachelor of Arts or Bachelor of Science degree before applying to a law school. Since you will face stiff competition for admission to law school, work to maintain a high grade point average. All law schools require candidates to take the Law School Admission Test (LSAT). High scores on this test are necessary for admission to the better law schools. Most law schools also require that candidates submit letters of reference from individuals familiar with their qualifications and aptitude. You should speak to your adviser about developing a list of references. Law schools do not require that you take a particular undergraduate major. However, most prelaw students earn degrees in a social science or in business.

UW-Stevens Point prelaw advisers in the Department of Political Science stress a broad undergraduate program. In such a program you learn philosophical and social science approaches to problem solving. We at UW-Stevens Point take pride in our excellent record for placing superior students in outstanding law schools.

Medicine: If you are preparing for a career in medicine, register as a candidate for either the Bachelor of Science or Bachelor of Arts degree. You may integrate your premedical course requirements with those for a degree in almost any other major field. However, most students accepted into medical schools have a major in biology, chemistry, or both. All medical schools recommend, but do not require, that you take calculus, humanities, and psychology. You will face stiff competition for admission to a medical school.

Medical schools will decide whether to admit you based on whether you have:

1. B+ average.
2. Above average scores on New Medical College Admissions Test (New MCAT), 9-10 average score out of 15.
3. Relevant work experience.
4. Strong recommendations.
5. A successful interview.

Pick up a registration form for the New MCAT from the premedical adviser. Since the New MCAT assumes you have taken college level chemistry, physics, biology, and mathematics, take this exam in April of your junior year. If you are not successful, you may take it a second time in September of your senior year. UW-Stevens Point graduates have an excellent record of acceptance by medical schools.

Mortuary Science (Funeral Service): At UW-Stevens Point you may receive the two years of preprofessional study you need to enter a mortuary school.

Pharmacy: Take the following courses during your freshman and sophomore years: CHEM 115, 116 (or 105 and 106), 325, 326; MATH 120; PHYS 203 and 204. For additional requirements and suggested electives, see a prepharmacy adviser.

Other Fields: If you want to prepare for a professional field not listed here, the College of Letters and Science will assist you in finding an adviser to help you plan your program. Make sure you thoroughly understand all requirements of the school you plan to enter, and meet often with your adviser.

Graduate Curriculum in Letters and Science

For information on requirements for a master's degree, see the [Graduate](#) section of this catalog.

Affiliated Centers

Faculty and staff from the College of Letters and Science are involved in a variety of other programs which benefit the students of the university as well as the surrounding Central Wisconsin community. These programs include:

Academy of Letters and Science
 Athletic Scheduling Center
 Blocher Planetarium
 Center for Economic Education (CEE)
 Center for the Small City
 Central Wisconsin Economic Research Bureau (CWERB)
 Community Outreach Center
 GIS Center
 Museum of Natural History
 Northern Aquaculture Demonstration Facility
 POLYED National Information Center for Polymer Education
 Regional Archaeology Center Four
 Wisconsin Association for Critical Thinking
 Wisconsin Institute for Sustainable Technology

College of Natural Resources (CNR)

Christine L. Thomas, Dean
 Paul Doruska, Associate Dean for Academic Affairs
 Brian Sloss, Associate Dean for
 Outreach/Extension/Extramural Grants
 Room 100, Trainer Natural Resources Building
 Phone: 715-346-4617
 Email: cnr@uwsp.edu
 Web: www.uwsp.edu/cnr

CNR Student Success Center, 180 CNR,
 715-346-4081

Susan M. Kissinger, Advising/Recruitment Coordinator

Majors in Natural Resources

In the College of Natural Resources, you may work toward a Bachelor of Science degree in any of six disciplines:

Fisheries and Water Resources: In fisheries and water resources you select from options in fisheries, hydrology, or water resources. These prepare you for a career or graduate study in fishery science or management, aquatic biology, hydrology, hydrogeology (groundwater), laboratory analysis of water and environmental samples, aquatic toxicology, and the assessment and management of water resources.

Forestry: In the forestry program you integrate the study of forestry with the study of other resource disciplines, so that you have a solid background for forest ecosystem management. Through your forestry degree you prepare for management positions with public agencies or private industry. Select one of these five options: forest management, forest administration and utilization, urban forestry, forest ecosystem restoration and management, or forest recreation. The Society of American Foresters accredits this program.

Paper Science and Engineering: In the paper science program you become well versed in the physical and engineering sciences and learn the relationships among these disciplines. You also prepare yourself to apply what you have learned as an industrial scientist or engineer and ultimately as a manager in the paper industry or an allied industry.

Resource Management: Within resource management you may choose from environmental education/interpretation, land use planning, natural resources social and policy sciences, resource management law enforcement, wildland fire science, youth programming and camp management, or general resource management options. Should you choose general resource management, please also complete an appropriate minor to enhance your employment options.

Soil and Waste Resources: Three options are available in this major. The soil science and soil and land management options blend coursework in soils with courses in the basic sciences and other natural resources disciplines. The waste management option blends coursework in waste management, the basic sciences, and natural resources. When you complete these options you can meet requirements for a soil scientist as defined by the United States Department of Agriculture and for a soil or waste resource manager for private or public sector employment.

Wildlife Ecology and Management: In this curriculum you integrate the study of wildlife ecology and management with other resource disciplines as you prepare yourself for graduate school or a management position. Or you may complete the option in wildlife ecology information and education (not for teacher certification) if your primary interest is to be a wildlife educator/interpreter. When you graduate with either option, you have met the curricular requirements for a certified wildlife biologist as established by The Wildlife Society.

Official Acceptance as a Major: You must be accepted as a major before you enroll in field techniques in natural resources, internships, or the European environmental studies seminar. To be accepted, you must have completed 45 university credits and have a 2.00 grade point average in courses required for your major.

Minors in Natural Resources

In the College of Natural Resources you may minor in conservation biology, environmental communication, environmental education/interpretation, environmental education for elementary/middle school teachers, environmental law/enforcement, forest recreation, forestry, international resource management, land use planning, resource management, soil science, water resources, wildland fire science, wildlife, captive wildlife, or youth programming and camp management.

Graduate Programs in CNR

If you qualify, you may work toward a Master of Science degree in natural resources with an emphasis in any of these areas: environmental education/interpretation, fisheries, soil and waste resources, water resources, wildlife management, forest ecology and management, urban forestry, forest business, international resource management, environmental resources extension programming, land use planning, or youth programming. For details, see the CNR graduate coordinator.

In the [Graduate](#) section of this catalog you will find information that will be useful if you wish to pursue a Master of Science degree in the College of Natural Resources.

CNR Summer Field Experience

Most CNR majors require participation in a six week field techniques or the eight week European environmental studies seminar after you complete your sophomore year. Through the field experience you gain at the CNR Summer Field Experience in forestry, soils, water, and wildlife, you prepare yourself for the intensive studies of your junior and senior years.

If you wish to be exempt from the CNR Summer Field Experience either because of appropriate transfer courses or experience, follow these steps:

1. Send an appeal for a CNR Summer Field Experience alternative to the CNR associate dean for academic affairs by March 1 of your sophomore year if possible.
2. Transfer students or others with extenuating circumstances should appeal no later than March 1 of their junior year.

3. If you postpone an appeal until your senior year, you may have to delay graduation in order to complete the CNR Summer Field Experience requirement.
4. The appeal package should include:
 - a. The appeal letter with reasons and suggested alternative activities.
 - b. A copy of your degree progress report.
 - c. A letter of support from your adviser. If you do not have an adviser, the CNR Peer Advising Center can put you in touch with an appropriate person, or you can contact a faculty member directly and request assistance.

International Experiences

The College of Natural Resources offers a variety of opportunities to study abroad. Our European environmental studies seminar takes students to Germany, Poland and several other European countries to provide an opportunity to study resource management issues. This experience in conjunction with a semester-long seminar and a two-week field course at our Central Wisconsin Environmental Station can substitute for the field techniques in natural resources requirement in the college. In addition, CNR students can take advantage of opportunities to study in Costa Rica, Mexico, Belize, Guatemala, Africa, Australia, and New Zealand. These experiences have a specific environmental studies focus and are in addition to the many international programs offered through UW-Stevens Point International Programs.

Teaching in Natural Resources Fields

If you seek a certificate to teach at the secondary school level with a major offered in the College of Natural Resources, you may either:

1. Complete the requirements for your BS degree in the College of Professional Studies, or
2. Complete the requirements for your BS degree in the College of Natural Resources.

See the [Education](#) section later in this catalog for complete information on your education requirements.

College Honors – Natural Resources

College of Natural Resources majors who attain a semester grade point average of 3.5 or above are placed on the Dean's List and recognized for their accomplishment.

Graduation Requirements

To graduate from the College of Natural Resources, you must achieve the minimum grade point required for your major (varies by discipline) in the courses required for your major, including collateral courses and CNR Summer Field Experience.

Field Stations

Central Wisconsin Environmental Station

At the Environmental Station on Sunset Lake you can gain valuable practical experience in natural resources and environmental education while you earn college credit. Located 17 miles east of the UW-Stevens Point campus, the Environmental Station is sponsored by the UWSP Foundation and the College of Natural Resources.

The station covers over 300 acres of diverse landscape, including such ecological communities as coniferous and deciduous forests, ponds, and kettle lakes. It also has classrooms, dining facilities, dormitory and log cabin housing for youth and adult groups, nature trails, a challenge course, amphitheater, and a complete waterfront. For more information, call 715-824-2428, write the Central Wisconsin Environmental Station, 10186 County Road MM, Amherst Junction, WI 54407, or email: cwes@uwsp.edu. Web: www.uwsp.edu/cnr-ap/cwes/Pages/default.aspx

Schmeeckle Reserve

Schmeeckle Reserve is a 275-acre natural area on campus where you can hike, jog, ski, or just enjoy nature on the miles of wood chipped trails and boardwalks. Many university classes are taught here. At the public visitor center you can gain experience to apply toward a major in forest recreation, environmental education/interpretation, or other natural resource fields, or get involved in any number of artistic or outdoor projects. This building houses the Wisconsin Conservation Hall of Fame that includes exhibits on distinctive natural features of Schmeeckle Reserve. For more information call 715-346-4992, write Schmeeckle Reserve, College of Natural Resources, or email schmeeckle@uwsp.edu.

Web: www.uwsp.edu/cnr/schmeeckle

Treehaven Field Station

Treehaven is a natural resource center which meets the needs of the CNR Summer Field Experience. Here, 80 miles north of Stevens Point, near Tomahawk, you live and study in a modern facility yet have access to over 1,200 acres of diverse habitat for natural resource education and management demonstrations.

Treehaven's classroom center, dining lodge, and living centers are fully winterized and host many conferences, courses, and workshops. As an undergraduate or graduate student, you may take courses on such subjects as winter ecology and wild edibles. Treehaven is sponsored by the UWSP Foundation and the College of Natural Resources. For more information, call 715-453-4106, write the Director of Treehaven, W2540 Pickerel Creek Avenue, Tomahawk, WI 54487, or email treehaven@uwsp.edu.

Web: www.uwsp.edu/cnr/treehaven

College of Professional Studies (CPS)

Marty Loy, Dean

Room 110, College of Professional Studies Building

Phone: 715-346-4904

Email: cps@uwsp.edu

Web: www.uwsp.edu/cps

The College of Professional Studies consists of the School of Business and Economics, School of Communicative Disorders, School of Education, School of Health Care Professions, School of Health Promotion and Human Development (HPHD), School Physical Education & Athletic Training (PEAT), Division of Interior Architecture, the School of Business & Economics, the School of Health Care Professions, Department of Military Science (Army ROTC), and the Department of Athletics.

In the College of Professional Studies you:

- prepare for your chosen profession by studying theory and then actively demonstrating your professional skills in a supervised classroom or clinic;
- gain the knowledge and experience you need in order to meet the standards of your profession;
- gain professional experience in internships and externships at hospitals, physician's offices, community clinics, schools, business and industrial sites;
- associate with other students interested in providing a professional service to humankind;
- acquire critical thinking skills so you may fully meet the needs of the people you will serve;
- work on basic and applied research projects;
- work with faculty who are attuned to people, events, trends, and politics of the professional workplace;
- discover that we are proactive, resourceful, connected, and caring.

Undergraduate Programs in Professional Studies

In the College of Professional Studies you may work toward bachelor's degrees from the:

- School of Business and Economics with majors and minors in business administration, economics, or accounting.
- School of Communicative Disorders with a major in communicative disorders.
- School of Education with majors in elementary education; early childhood education; or special education with certifications in learning disabilities, emotional behavioral disabilities, cognitive disabilities and cross-categorical special education; and certifications in secondary education.
- School of Physical Education & Athletic Training with majors in K-12 physical education or athletic training, and minors in coaching, adventure

education, strength and conditioning, and health education; also an add-on certification in adapted physical education.

- School of Health Promotion and Human Development with majors in health promotion and wellness, family and consumer sciences, or dietetics, and minors in nutrition, strength and conditioning, or child and family studies.
- Division of Interior Architecture with a major in interior architecture.
- School of Health Care Professions with majors in clinical laboratory science or health science.

College Honors – Professional Studies

The College of Professional Studies Dean's List consists of undergraduate students who achieve a grade point average of above 3.75 the previous semester.

Graduate Programs in Professional Studies

In the College of Professional Studies you may work toward advanced degrees in:

- Audiology (clinical doctorate joint program with UW-Madison).
- Communicative disorders with an emphasis in speech and language pathology (Master of Science).
- Elementary education (Master of Science in Education).
- Elementary education with emphasis in reading or in special education (Master of Science in Education).
- General education (Master of Science in Education).
- Human and community resources (Master of Science).
- Nutritional sciences (Master of Science).
- Educational administration through cooperative arrangements with UW-Madison and UW-Superior.
- Guidance counseling (Master of Science in Education) through cooperative arrangements with UW-Oshkosh.

For further information on these graduate programs, see the **Graduate** section of this catalog.

CPS-Continuing Education (CPS-CE)

Room 100, College of Professional Studies Building

Phone: 715-346-3801 and 715-346-4782

Web: www.uwsp.edu/cps/conted

CPS-CE works to connect the College of Professional Studies with educators, school districts, organizations and professionals throughout Central Wisconsin by meeting the needs of professionals in their workplace.

Courses of Instruction

Undergraduate Course Numbers

- 000-099 **Precollegiate.** These courses do not carry college level credit.
- 100-199 **Freshman level.** These courses are open to all students without restriction, if no other prerequisite is listed.
- 200-299 **Sophomore level.** The basic prerequisite for these courses is "sophomore standing" which means that you have already earned 29 college credits. Also meet any other prerequisites that are listed.
- 300-399 **Junior level.** The basic prerequisite for these courses is "junior standing" which means you have already earned 59 college credits. Also meet any other prerequisites that are listed.
- 400-499 **Senior level.** The basic prerequisite for these courses is "senior standing" which means you have already earned 89 college credits. Also meet any other prerequisites that are listed.

Prerequisites

If you register for any class when you do not have the required class standing and/or haven't met the stated prerequisites, the department may, at its discretion in the first eight days of the semester, require you to drop that class. However, if you are permitted to continue, you must realize that you accept full responsibility for the grade you earn in that class.

Forty Credit Rule

To receive a bachelor's degree, you must earn at least 40 credits in courses numbered 300-499.

Graduate Courses

Courses numbered 300/500-399/599 and 400/600-499/699 are offered at two levels. You may take them at the 300- or 400-level for undergraduate credit or at the 500- or 600-level for graduate credit. Realize that only graduate students may enroll for graduate credit. Courses numbered 700-999 are offered only at the graduate level.

Pass/Fail Courses

You can register for some or certain sections of courses on a "Pass/Fail" basis. For information on which courses are offered pass-fail, go to the Enrollment Services Center homepage (www.uwsp.edu/enrollmentservices) and then click on "Class Search." The link for Pass/Fail Grading is on the top of that page. See the section in the catalog titled [More Academic Information](#) for all the regulations pertaining to pass/fail grading.

Abbreviations

The following abbreviations appear in the course descriptions.

so st	sophomore standing
jr st	junior standing
sr st	senior standing
addl	additional
admis	admission
approp	appropriate
CIS	Computer Information Systems
con reg	concurrent registration
cons chair	consent of department chair
cons instr	consent of instructor
cr	credit
dir	director
disc	discussion
ed	education
equiv	equivalent
hr(s)	hour(s)
lab	laboratory
lec	lecture
prereq	prerequisite
wk(s)	week(s)
(I)	Course is offered first semester
(II)	Course is offered second semester
(SUM)	Course is offered in summer session
(WIN)	Course is offered in winterim session
(A)	Course is offered in alternate years
(Y1)	Course is offered Year 1
(Y2)	Course is offered Year 2

Individual departments may have additional abbreviations.

GEP Abbreviations

These abbreviations appear at the end of course descriptions for courses that meet one or more of the General Education Program requirements.

GEP	General Education Program
ART	Arts
ER	Environmental Responsibility
XL	Experiential Learning
FYS	First Year Seminar
GA	Global Awareness
HP	Historical Perspectives
HU	Humanities
IS	Interdisciplinary Studies
NSC	Natural Sciences
OC	Oral Communication
QL	Quantitative Literacy
SS	Social Sciences
USD	U.S. Diversity
WLN	Wellness
WC	Written Communication

For a list of **curriculum abbreviations**, please go to www.uwsp.edu/regrec/Pages/curriculum-abbreviations.aspx.

For information on **General Degree Requirements**, please go to www.uwsp.edu/acadaff/Catalog%20PDF/2011-13finalcatalog.pdf

ACCOUNTING

See *Business and Economics*.

ADAPTED PHYSICAL EDUCATION

See *Physical Education & Athletic Training*.

ADULT LIFE AND AGING

See *Sociology*.

ADVENTURE EDUCATION

See *Physical Education & Athletic Training*.

American Studies**(College of Letters and Science)**

Linda Schubert, Interim Coordinator

Room 230-A, Collins Classroom Center

Phone: 715-346-4243

Email: lschuber@uwsp.edu

Visit the College of Letters and Science website at

www.uwsp.edu/cols

**American Studies Major
(Bachelor of Science)**

Consists of a minimum of 46 credits. Note that prerequisites for some courses may increase the number of credits needed.

The American Studies Major satisfies the Interdisciplinary Studies GEP requirement. For more information, see the *GEP* section of the Catalog.

Complete ONE option below.

A. American Studies Option

1. Foundation requirements, 15 credits. Take 5 of these 6 courses: ENGL 213, 214; HIST 176, 177; MUS 105; POLI 101.
2. Core requirements, 9 credits. Take at least one course in each category.
 - a. **Institutions:** POLI 310, 320, 391.
 - b. **Culture:** ENGL, 313a, 313b, 360; HIST 386, 387, 388, 395†.

†May be repeated with appropriate American Studies subtitles (9 credits maximum).
3. Electives, 9 credits from the list below. You may NOT count courses for both categories 2 and 3.
 - a. ENGL 313a, 313b, 320, 329, 360.
 - b. HIST 280, 284, 285, 288, 289, 290, 291, 292, 295, 302, 377, 378, 380, 384, 386, 387, 388, 392, 393, 395†.
 - c. POLI 306, 307, 308, 310, 315, 316, 317, 320, 322, 330, 331, 333, 334, 341, 383, 391.
 - d. REL 302, 311, 316.
 - e. ART 390, 391.
 - f. DNCE 352.
 - g. THEA 361, 362.
 - h. AMST 395, 397.

†May be repeated with appropriate American Studies subtitles (9 credits maximum).

4. Choose 3-4 credits in one of the following courses on quantitative methods in the social sciences: MATH 109, 355, 367; PSYC 300, or SOC 351.
5. Choose 6 credits in two 300-level Social Science courses among the following disciplines: Anthropology, Economics, Human Geography, Psychology, or Sociology.
6. Electives. To meet the 40 credit upper-level requirement and the 120 credit minimum for graduation, you may select courses from any area that will add to your educational goals.
7. American Studies 399 to satisfy the Capstone Experience requirement.
8. Communication in the Major requirement: 3 credits from AMST 300**, 395***, CIS 300**, ENGL 351, MUS 329.

**May not take both AMST 300 and CIS 300.

***With appropriate subtitles.

B. Working in a Global Economy Option

1. Fundamental requirements, 15 credits. Take at least one course from 3 of the 5 areas below. Take remaining courses from any area.
 - a. ACCT 210; BUS 320.
 - b. CIS 101, 102 (concurrent enrollment with 101).
 - c. COMM 240, 280.
 - d. ENGL 250, 253.
 - e. PHIL 121.
2. Area of emphasis, 18 credits. Take at least 3 courses from one of a-c below. Take remaining courses from d below.
 - a. International: HIST 102; BUS 339; ENGL 378; GEOG 110, 113; HIST 316, 317, 348, 359, 363, 370, 373, 396†; POLI 160, 180, 361, 362, 370, 371, 376, 383, 385.
 - b. Language: At least 9 credits in one language beyond the 212 level.
 - c. Government: POLI 202, 242, 250, 354, 356, 358.
 - d. Internship: 1-3 cr. AMST 397.

†May be repeated with appropriate American Studies subtitles (9 credits maximum).
3. Choose 3-4 credits in one of the following courses on quantitative methods in the social sciences: MATH 109, 355, 367; PSYC 300, or SOC 351.
4. Choose 6 credits in two 300-level Social Science courses among the following disciplines: Anthropology, Economics, Human Geography, Psychology, or Sociology.

*May not take both ECON 328 and SOC 328.
5. Electives: To meet the 40 credit upper-level requirement and the 120 credit minimum for graduation, you may select courses from any area that will add to your educational goals.
6. AMST 399 to satisfy the Capstone Experience requirement.
7. Communication in the Major requirement: 3 credits from AMST 300**, 395***, CIS 300**, ENGL 351, MUS 329.

**May not take both AMST 300 and CIS 300

***With appropriate subtitles

American Studies Major (Bachelor of Arts)

Consists of a minimum of 37 credits. Note that prerequisites for some courses may increase the number of credits needed.

The American Studies Major satisfies the Interdisciplinary Studies GEP requirement. For more information, see the [GEP](#) section of the Catalog.

Complete ONE option below.

A. American Studies Option

- Foundation requirements, 15 credits. Take 5 of these 6 courses: ENGL 213, 214; HIST 176, 177; MUS 105; POLI 101.
- Core requirements, 9 credits. Take at least one course in each category.
 - Institutions:** ECON 311, 315, 328*; POLI 310, 320, 391; SOC 300, 327, 328*.
 - Culture:** ENGL, 313a, 313b, 360; HIST 386, 387, 388, 395†.
- Electives, 9 credits from the list below. You may NOT count courses for both categories 2 and 3.
 - ECON 311, 315, 328*, 374.
 - ENGL 313a, 313b, 320, 329, 360.
 - HIST 280, 284, 285, 288, 289, 290, 291, 292, 295, 302, 377, 378, 380, 384, 386, 387, 388, 392, 393, 395†.
 - POLI 306, 307, 308, 310, 315, 316, 317, 320, 322, 330, 331, 333, 334, 341, 383, 391.
 - REL 302, 311, 316.
 - SOC 300, 327, 328*, 364, 366.
 - ART 390, 391.
 - DNCE 352.
 - THEA 361, 362.
 - AMST 395, 397.
 - ANTH 339.

*May not take both ECON 328 and SOC 328.

†May be repeated with appropriate American Studies subtitles (9 credits maximum).

- Required: Complete a two-semester sequence of university entry-level world language courses (101, 102). The requirement may be fulfilled through equivalent coursework or other language acquisition as demonstrated through a test-out policy (including Native American languages and American Sign Language). If your native language is not English and you can document formal high school or university study of your native language, you may use ENGL 101 and 202, or ENGL 150 as a means of fulfilling this foreign language requirement.
- Electives. To meet the 40 credit upper-level requirement and the 120 credit minimum for graduation, you may select courses from any area that will add to your educational goals.
- American Studies 399 to satisfy the Capstone Experience requirement.

- Communication in the Major requirement: 3 credits from AMST 300**, 395***, CIS 300**, ENGL 351, MUS 329.

**May not take both AMST 300 and CIS 300

***With appropriate subtitles

B. Working in a Global Economy Option

- Fundamental requirements, 15 credits. Take at least one course from 3 of the 5 areas below. Take remaining courses from any area.
 - ACCT 210; BUS 320; ECON 110.
 - CIS 101, 102 (concurrent enrollment with 101).
 - COMM 240, 280.
 - ENGL 250, 253.
 - PHIL 121.
- Area of emphasis, 18 credits. Take at least 3 courses from one of a-d below. Take remaining courses from a-e below.
 - International: HIST 102; BUS 339; ECON 362, 365, 367; ENGL 378; 110, 113, 300, 327; HIST 316, 317, 348, 359, 363, 370, 373, 396†; POLI 160, 180, 361, 362, 370, 371, 376, 383, 385; PSYC 320, 322; SOC 370.
 - Language: At least 9 credits in one language beyond the 212 level.
 - Government: POLI 202, 242, 250, 354, 356, 358.
 - Psychology/sociology: PSYC 260, 301, 345, 351, 385; SOC 230, 308, 310, 327, 368.
 - Internship: 1-3 cr. AMST 397.
- Electives: To meet the 40 credit upper-level requirement and the 120 credit minimum for graduation, you may select courses from any area that will add to your educational goals.
- Complete a two-semester sequence of university entry-level world language courses (101, 102). The requirement may be fulfilled through equivalent coursework or other language acquisition as demonstrated through a test-out policy (including Native American languages and American Sign Language). If your native language is not English and you can document formal high school or university study of your native language, you may use ENGL 101 and 202, or ENGL 150 as a means of fulfilling this foreign language requirement.
- AMST 399 to satisfy the Capstone Experience requirement.
- Communication in the Major requirement: 3 credits from AMST 300**, 395***, CIS 300**, ENGL 351, MUS 329.

**May not take both AMST 300 and CIS 300

***With appropriate subtitles

Senior Experience, 1 credit: AMST 399, required during the final 30 credits before graduation. This capstone course gives you the opportunity to apply expertise learned in the major and encourages you to become more actively involved in the major. Select 1 or 2 below.

- This independent study involves a significant research paper or similar product, supervised and

- approved by a faculty member in one discipline represented in the major. Topic should provide continuity and bring integrated closure to the major.
- This independent study involves a project approved and supervised by the American studies coordinator, such as a community-based project that provides practical application of and reflection upon your coursework.

American Studies Minor

Consists of 24 credits.

- Foundation requirements, 9 credits. HIST 176, 177; POLI 101.
- Core requirements, 6 credits. Take two of the courses listed below (one must be a 300-level course):
CIS 300; ECON 311, 315, 328*; ENGL 213, 214, 313a, 313b, 360; HIST 386, 387, 388, 395†; MUS 105; POLI 310, 320, 391; SOC 300, 327, 328*.
- Electives, 9 credits from the list below:
AMST 395†, 397; ANTH 339; ART 390, 391; CIS 300; DNCE 352; ECON 311, 315, 328*, 374; ENGL 313a, 313b, 320, 329, 360; HIST 280, 284, 285, 288, 289, 290, 291, 292, 302, 377, 378, 380, 384, 386, 387, 388, 392, 393, 395†; MUS 329; POLI 306, 307, 308, 310, 315, 316, 317, 320, 322, 330, 331, 333, 334, 341, 383, 391; REL 302, 311, 316; SOC 300, 327, 328*, 364, 366, 368; THEA 361, 362.
- The American Studies Minor satisfies the Interdisciplinary Studies GEP requirement. For more information, see the [GEP](#) section of the Catalog.

*May not take both ECON 328 and SOC 328.

†May be repeated with appropriate American Studies subtitles (6 credits maximum).

#At least 6 of the credits must be at the 300 level or higher.

Academic Standards for American Studies Major

To graduate with a major in American Studies you must have a cumulative GPA of 2.00 in all courses required for the major, including transfer courses, regardless of any declaration of academic bankruptcy. See the section in the catalog entitled [More Academic Information](#) for the policy on repeating courses.

Test-Out and Credit-by-Exam Policy for American Studies Major

You may test-out and/or receive credit-by-exam for all General Education Program requirement (GEP) courses. To test-out but not receive credit for all other courses in the major, please consult with the American studies coordinator. You may take an exam for credit or test-out only once.

Collaborative Degree Program – American Studies

The American Studies major is part of the Collaborative Degree Program where students may attend evening/online classes at any of several campuses. For more information call 715-346-4243.

Courses in American Studies

AMST 300. America in the Age of Information. 3 cr. Critical assessment of impact of information revolution on American society, including contemporary life, professions, privacy, security, education, law, government and employment. May not earn credit in both AMST 300 and CIS 300.

AMST 395. Topics in American Studies. 1-3 cr. Subtitle will designate discipline and topic. May repeat under different subtitles for 9 cr max.

AMST 397. Internship in American Studies. 1-3 cr. Participate in supervised work program that you arrange with your adviser at a cooperating organization. Credit determined by adviser and American studies coord. May repeat for 3 cr max.

AMST 399. Independent Study for Senior Experience. 1 cr. Capstone experience for American studies major. Define, devise and pursue individual paper or project integrating disciplines from the major. Individual faculty supervision. Prereq: Cons American studies coord.

Anthropology

(College of Letters and Science)

David Chan, Chair of Philosophy Department
Room 489, Collins Classroom Center
Phone: 715-346-3340

Email: philosophy@uwsp.edu

Web: www.uwsp.edu/philosophy

Faculty: I Choi, T Jennings.

Courses in *anthropology* are administered by the Philosophy Department.

Definition: Anthropology is the study of human cultural, linguistic and biological diversity, attending to both contemporary contexts as well as human history/prehistory.

Mission: Anthropology, housed in the Department of Philosophy, offers students education in the skills of critical thinking, written and oral communication, and empathetic engagement with diverse worldviews, cultures, ethical systems and religions. The education we offer equips you with the skills needed for a wide variety of professional careers and with the ability to adapt to the inevitable changes and challenges you will face after graduation in an increasingly globalized world.

In addition, the Anthropology unit emphasizes the development of reflexive thought, ethnographic fieldwork and writing, and tolerant dialogue regarding difference and identity.

Anthropology Minor

Consists of a minimum of 18 credits including:

- Both 105 and 110.
- One from 311 or 325.
- Tier 1 electives: 6 additional credits from the anthropology curriculum (must be 300-level or above).

4. Tier 2 electives: 3 credits from one of the following: Any ANTH course not included in above core; ART 270, 370, 380, 382; BIOL 101, 210, 305, 322, 311; BUS 339; CIS 300 (or AMST 300); EDUC 205, 305; ENGL 284, 348, 354, 374, 382; FREN 481; GERM 481; HMNG 101, 102; SPAN 481, 483; GEOG 113, 120, 300, 340, 496; HIST 101, 102, 216, 217, 232, 233, 248, 280, 310, 314, 342, 382, 389 (or POLI 389), 392 (or FOR 392), 393; INTL 381; IA 150, 160, 310; MUS 220, 307; NRES 150, 323; PHIL 380, 381; REL 100, 302, 311, 330, 333 340, 341; POLI 315, 371, 374, 385, 387, 414; PSYC 322; SOC 270, 343, 364 (or SW 364). Other courses not listed here may count with approval from the anthropology coordinator.
5. The Anthropology Minor satisfies the Interdisciplinary Studies GEP requirement. For more information, see the [GEP](#) section of the Catalog.

Academic Standards for Anthropology Minor

1. To be accepted and retained as a minor and approved for graduation, you must have a minimum grade point average of 2.50 in courses counted toward the minor, including transfer courses and regardless of any declaration of academic bankruptcy. Courses taken pass/fail or with a grade lower than C- may not be counted toward the minor. The department chair may allow exceptions. You may repeat a course in the minor only if you follow the policy on repeating courses found in the [More Academic Information](#) section of this catalog.
2. Courses in anthropology are open to all students who meet the prerequisites.

Courses in Anthropology

ANTH 101. General Anthropology. 3 cr. Introduction to anthropology that includes human evolution and biological variation, human cultural and linguistic diversity, and archaeology. GDR: NW, SS; GEP: GA, SS

ANTH 102. Introduction to Archaeology. 3 cr. Introduction to the anthropological subfield of archaeology, which studies human cultures through the recovery, documentation, analysis, and interpretation of material remains and environmental data. GDR: SS1; GEP: SS

ANTH 105. Biological Anthropology. 3 cr. Introduction to mechanisms of human and non-human primate biological evolution, genetic inheritance, human adaptability and variation. GDR: SS1; GEP: SS

ANTH 110. Cultural Anthropology. 3 cr. Introduces the field of cultural anthropology, and with examples, explores the contemporary challenges faced by diverse peoples around the world. GDR: NW, SS; GEP: GA, SS

ANTH 199. Reading in the Discipline. 1 cr; pass/fail. Improve reading and thinking skills in anthropology. Taken in conjunction with designated sections of anthropology courses.

ANTH 311. Human Evolution. 3 cr. Investigate human biology and its effects on behavior. Studies include evolutionary theories, human and non-human primate biological evolution, genetic inheritance, human adaptability and variation, as well as the intersection of forensics anthropology and bioarchaeology. Prereq: 105 or BIOL 100, 101 or 160.

ANTH 320. Anthropology of Religion. 3 cr. Explore diversity of religious practice worldwide with in-depth exploration of selected traditions. GDR: NW, SS; GEP: GA, SS

ANTH 325. Culture and Language. 3 cr. Survey anthropological linguistics. Topics include evolution of language, basic language structure, how language structures and reflects cultural and social differences, and the preservation of language diversity. GDR: SS1; GEP: SS

ANTH 339. Native Cultures of North America. 3 cr. Selective survey of the evolving cultural heritage of native North Americans. GDR: NW, SS1; GEP: IS, USD

ANTH 372. Environmental Anthropology. 3 cr. Upper-division seminar. Employ contemporary and historical anthropological theories in order to better understand cultural aspects of human-environmental interactions, as well as contemporary challenges of environmental conflict and global environmentalism. Prereq: 110 or 101. GEP: ER

ANTH 380. Medical Anthropology. 3 cr. Anthropological approaches to the knowledge and understanding of health and disease in various cultures. GDR: NW, SS1; GEP: GA, SS

ANTH 390/590. Special Topics in Anthropology. 1-3 cr. Subtitle will designate area. May repeat for credit with different subtitle.

ANTH 391. Special Topics in Archaeology. 3 cr. Subtitle will designate area. May repeat for credit with different subtitle. Prereq: 102.

ANTH 392. Anthropology Internship. 1 cr; pass/fail. Intern provides small group writing and reading assistance in selected anthropology courses. Prereq: Cons instr.

ANTH 393. Field Research in Anthropology. 1-3 cr. Direct observation of anthropological data within an environmental context; required readings and field notebook. May repeat with change of locale/topic. May not earn credit in GEOG 393 or GEOL 393 under same topic/locale.

ANTH 395. Special Topics in Anthropology. 1-3 cr. Subtitle will designate area. May repeat for credit with different subtitle.

ANTH 399. Independent Study. 1-3 cr. Independent study of any area of anthropology arranged with instructor and cons chair. Credit based on scope of project. May repeat for 6 cr max.

Anthropology Latent Courses: Not offered recently. See full course description in indicated (xx-xx) catalog. 595 Special Topics in Anthropology, 1-3 cr, (11-13)

APPLIED ELECTRONICS

See [Physics and Astronomy](#).

APPLIED MATHEMATICS

See [Mathematical Sciences](#).

APPLIED MECHANICS

See [Physics and Astronomy](#).

APPLIED MUSIC

(PERFORMANCE MAJOR)

See [Music](#).

APPLIED SOCIOLOGY

See [Sociology and Social Work](#).

ARABIC

See [World Languages and Literatures](#).

ARMY R.O.T.C.

See [Military Science](#).

Art & Design (College of Fine Arts & Communication)

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Definition: The Department of Art & Design offers two degree options. The BFA is a professional arts degree and the BA is a liberal arts degree. The BFA degree offers the following studio emphases: Two-Dimensional, Three-Dimensional, and Graphic Design. The BA degree offers Studio and Art History emphases. Research, critical thinking, technical, and conceptual components are integrated throughout the entire curriculum.

Accreditation: The Department of Art & Design is an accredited member of the National Association of Schools of Art and Design (NASAD). It is one of three such accredited programs in the UW System.

Enrollment Management Plan

The Department of Art & Design is a limited enrollment program. Students admitted to the university are accepted into the department in order of application. We encourage you to apply as early as possible.

Professional Opportunities in Art & Design

Programs of study in the department prepare you for careers or graduate study in the visual arts, graphic design, art history, museums/galleries, private studio practice, education, arts administration, and many other possible art-related fields.

Recommended High School Preparation

In addition to the university requirements for admission and entry into any of the Art & Design programs, high school courses in art and design are highly recommended. If you are planning to enter the professional Art & Design BFA (Bachelor of Fine Arts) program, four years of English, one year of algebra, two years of foreign language, and two years of science in high school are recommended.

General Requirements for Art & Design Department

Study in a variety of areas of knowledge is required of all undergraduates, and these requirements vary depending on the particular major. The Department of Art & Design offers the Bachelor of Arts and the Bachelor of Fine Arts

degrees. See the previous section of this catalog entitled [General Education Program](#).

Courses for Non-Art Majors

Subject to availability, courses in the Department of Art & Design are open to all students who meet the prerequisites and secure department permission. You do not need prior consent for courses that are open to non-art majors

Exhibition Material

The department reserves the right to retain examples of student work for exhibition purposes.

Visiting Artist and Scholar Program, and Edna Carlsten Gallery

The department also maintains an ongoing program of visiting artists and scholars to supplement the curriculum, and a cooperative schedule of operations and exhibitions with the Edna Carlsten Gallery, housed in the Noel Fine Arts Center. The gallery regularly displays traveling shows and exhibits for student and public viewing.

Course Fees for Art & Design

Fees are charged for certain courses to cover the cost of models and consumable materials.

Studio Art Foundation

Consists of 12 credits for all art programs: ART 101, 102, 103, 104.

Art History Foundation

Consists of 6 credits of 200-level art history, for all art programs. Choose from 270, 271, 282, 283.

ART 270 and 271 serve as prerequisites for Asian upper level Art History courses, while ART 282 and 283 serve as prerequisites for Western upper level Art History courses (see catalog descriptions to see which survey courses serve for specific upper level courses).

Art Major (Bachelor of Arts)

The Bachelor of Arts (BA) is the liberal arts degree. The BA is earned with an emphasis in either studio art or art history.

BA Studio Art Emphasis:

Focuses on art and design in the context of a broad program of general studies. The studio art emphasis BA major encourages study in a variety of disciplines and consists of 45 credits in the Department of Art & Design as follows:

1. Studio Art Foundation, 12 credits.
2. Art History Foundation, 6 credits.
3. Art History, 6 credits, upper level.
4. Electives: 21 credits (plus all prerequisites) selected from ART 201, 205, 206, 207, 211, 212, 215, 221,

222, 227, 234, 236, 251, 252, 253, 257, 261, 298 (sections 20-39), 303, 304, 305, 310, 320, 321, 334, 336, 351, 353, 355, 356, 361, 362, 363, 364, 398 (sections 20-39). ART 399 (sections 20-39) may be taken by BA art majors only in semester abroad programs.

5. Foreign Language: Complete a two-semester sequence of university entry-level world language courses (101, 102). The requirement may be fulfilled through equivalent coursework or other language acquisition as demonstrated through a test-out policy (including Native American languages and American Sign Language). If your native language is not English and you can document formal high school or university study of your native language, then you may use ENGL 101 and 202, or ENGL 150 as a means of fulfilling this foreign language requirement.

UW-Stevens Point General Education Program Requirements within the Major:

Communication in the Major for the Studio Art Emphasis Area requires 18 credits as follows:

1. Basic Verbal Skills: take six credits from 206, 207, 215, 221, 222, 234, 236, 251, 252, 261.
2. Basic Writing Skills: take six credits from 270, 271, 282, 283.
3. Developing Writing and Verbal Skills: take six credits from 370-375, 378-380, 382, 383, 385-397.

The Capstone Experience for the Studio Art Emphasis Area is satisfied by the completion of a formal exhibition and essay in the year of graduation.

BA Art History Emphasis:

Combines a strong art history preparation with studio art courses. The standards for this BA in Art are those needed for admission into graduate study in Art History.

The BA in Art with Art Historical Emphasis consists of 68 credits, including 8 credits of foreign language.

1. Studio Art Foundation, 12 credits.
2. Foundation courses in Art History, 12 credits: ART 270, 271, 282, and 283.
3. Advanced Art History, 21 credits selected from:
 - a. At least two must be Asian topics. Choose from: ART 370, 371, 372, 373, 374, 375, 378, 379, 396, 399.
 - b. At least two must be Western topics. Choose from: ART 382, 383, 385, 386, 387, 388, 389, 390, 391, 392, 394, 395, 397, 399.
 - c. At least two must be from Art classes covering periods prior to the 19th century. Choose from: ART 370, 371, 372, 373, 374, 375, 378, 382, 383, 385, 386, 387, 396, 397.
4. Studio courses, 12 credits at 200-level or higher.
5. Capstone Course, 3 credits: ART 492.
6. Foreign Language, 0-8 credits: Complete a two-semester sequence of university entry-level world language courses (101, 102). The requirement may be fulfilled through equivalent coursework or other language acquisition as demonstrated through a test-out policy (including Native American languages and American Sign Language). If your

native language is not English and you can document formal high school or university study of your native language, then you may use ENGL 101 and 202, or ENGL 150 as a means of fulfilling this foreign language requirement.

Faculty will consult with you concerning which languages to study, according to your educational goals, preferred fields of graduate study, etc. Generally, you will be advised to start with French or German; if interested in pursuing Asian art, you will be advised to take at least two years of Chinese or Japanese.

Academic Standards for the Art History Emphasis Area:

You must meet the minimum overall 2.67 GPA for all art courses (studio and history). If your GPA is below 2.67, you may not enter or continue in the Art History emphasis area (there is no academic probation in this program). 300-level and 400-level art history courses cannot be counted toward the art history emphasis area if the grade is below 2.67, but all art course grades count toward the art GPA.

UW-Stevens Point General Education Program Requirements within the Major:

Communication in the Major for the art history emphasis area requires 21 credits as follows:

1. Basic Verbal Skills: take six credits from: 206, 207, 215, 221, 222, 234, 236, 251, 252, 261.
2. Basic Writing Skills: take six credits from: 270, 271, 282, 283.
3. Developing Writing and Verbal Skills: take six credits from: 370-375; 378-379; 382, 383, 385-392, 394-397.
4. Climax Writing and Verbal Skills and Overall Assessment: take 492.

The Senior Seminar in Art History (ART 492) serves as the Capstone Experience for the Art History Emphasis Area.

Art Major (Bachelor of Fine Arts)

The Bachelor of Fine Arts (BFA) is the professional arts degree, with a focus on intensive work in art and design, supported by a program in general studies. The BFA program prepares students for professional careers in the visual arts. In accordance with the standards of the National Association of Schools of Art and Design (NASAD), the major consists of 80 credits in the Department of Art & Design, as follows:

1. Studio Art foundation, 12 credits.
2. Art History Foundation, 6 credits.
3. Choose from Art & Design Emphasis Options (foundation and emphasis total 80 credits).
4. Course requirements for the emphasis area.
5. Art History: 6 credits at 300-level (includes ART 393).

6. Capstone courses as specified for each emphasis area; only one section of 491 can be taken in any one academic year.
7. BFA majors must also pass the BFA Portfolio Review, as specified below.

Art & Design Emphasis Options

Two-Dimensional Emphasis:

1. Studio Art Foundation, 12 credits.
2. Art History Foundation, 6 credits.
3. Art History, 6 credits from ART 370, 371, 372, 373, 374, 375, 378, 379, 380, 382, 383, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398 (sec 40-49), 399 (sec 40-49), 498 (sec 40-49).
4. Studio art courses, 48 credits as follows:
 - a. 2-D courses, 39 credits. ART 234 and 236 are required. Choose from 215, 221, 222, 227, 298 (sec 20-29), 303, 304, 310, 320, 321, 334, 335, 336, 340, 398 (sec 20-29), 399 (sec 20-29), 401, 402, 403, 404, 417 (6 cr max), 420, 421, 434, 436, 498 (sec 20-29).
 - b. 3-D and GD courses, 9 credits, (at least 6 credits must be in 3-D).
3-D – choose from any of the courses listed in the 3-D emphasis.
GD – choose from 206, 207, 211, 212.
5. Capstone Experience, 8 credits: 490 and 491.

Three-Dimensional Emphasis:

1. Studio Art Foundation, 12 credits.
2. Art History Foundation, 6 credits.
3. Art History, 6 cr from 370, 371, 372, 373, 374, 375, 378, 379, 380, 382, 383, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398 (sec 40-49), 399 (sec 40-49), 498 (sec 40-49).
4. Studio art courses, 48 credits as follows:
 - a. 3-D courses, 33 credits. Choose from ART 201, 205, 251, 252, 253, 257, 261, 298 (sec 30-39), 305, 351, 353, 355, 356, 357, 361, 362, 363, 364, 398 (sec 30-39), 399 (sec 30-39), 405, 417 (6 cr max), 420, 451, 454, 456, 457, 461, 498 (sec 30-39).
 - b. 2-D and GD courses, 15 credits. ART 234 and 236 are required. Choose from: any of the courses listed in the 2-D emphasis.
GD – choose from: ART 206, 207, 211, 212.
5. Capstone Experience, 8 credits: ART 490 and 491.

Graphic Design Emphasis:

1. Studio Art Foundation, 12 credits.
2. Art History Foundation, 6 credits.
3. Art History, 6 credits as follows: ART 393 is required. Choose 3 credits from: ART 370, 371, 372, 373, 374, 375, 378, 379, 380, 382, 383, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398 (sec 40-49), 399 (sec 40-49), 498 (sec 40-49).
4. Studio art courses, 48 credits as follows:
 - a. GD courses, 30 credits. ART 206, 207, 211, 212, 308, 309, 311, 410, 412, 413 are required.

- b. 2-D AND 3-D courses, 18 credits. Choose 18 credits of studio art courses from the 200-, 300-, and 400- level courses listed in the 2D and 3D emphases. At least two courses must be from the following: ART 215, 234, 236, and either 221 or 222.
5. Design internship, four credits of either ART 417 or 419 is required. If 417 is taken for more than four credits, up to three credits may be applied as credits outside emphasis.
6. Capstone Experience, 4 credits: ART 491.

UW-Stevens Point General Education Program Requirements within the Major:

Communication in the Major for the art BFA major requires 18 credits as follows:

1. Basic Verbal Skills: take six credits from: 206, 207, 215, 221, 222, 234, 236, 251, 252, 261, 491.
2. Basic Writing Skills: take six credits from: 270, 271, 282, 283.
3. Developing Writing and Verbal Skills: take six credits from: 370-375; 378-380; 382, 383, 385-397.

The Capstone Experience for the Art BFA 2-D and 3-D Emphasis Areas will be accomplished by completing ART 490 and 491.

The Capstone Experience for the Art BFA Graphic Design Emphasis Area will be accomplished by completing ART 491.

Art History Minor

Consists of 24 credits:

1. ART 270, 271, 282, 283. Correct prerequisites from this group must be taken before taking corresponding upper level classes (ART 181 cannot be used as a prerequisite).
2. 12 credits of 300 or 400-level art history. Choose from 370, 371, 372, 373, 374, 375, 378, 379, 380, 382, 383, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398 (sec 40-49), 399 (sec 40-49), 492, 498 (sec 40-49).
3. Distribution:
 - a. At least 6 credits must cover periods prior to the 19th century: 370, 371, 372, 373, 374, 375, 378, 382, 383, 385, 386, 387, 396, 397.
 - b. At least 3 credits must be of a Western topic: 382, 383, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 397. At least 3 credits must be of an Asian topic: 370, 371, 372, 373, 374, 375, 378, 379, 380, 396.
 - c. ART 398 (sections 40-49), 399, (sections 40-49) 492, and 498 (sections 40-49) count for distribution according to the specific subtitle (or research paper topic in 492).
 - d. If you're pursuing the BA degree with Art History Emphasis, you may NOT pursue the Art History minor.

Academic Standards for Art & Design

As an Art & Design student you must first meet the academic entrance requirements of the university. Since individual development is an expectation, you should be prepared to present a portfolio of artwork for review and evaluation periodically throughout the program as requested.

Transfer credits: Please refer to the university policy on transferred credits in the [More Academic Information](#) section, earlier in this catalog.

Credits in Residence:

Any student transferring into the Department of Art & Design from another institution must complete a minimum of 21 credits within the department for the BFA degree and 15 credits within the department for the BA degree.

Entry status:

All entering art & design majors (freshmen, changes of major, and transfers) are accepted into the art program as BA majors. Acceptance into the BFA is achieved by passing the BFA Portfolio Review, as described below. The Department of Art & Design has the following standards for continuation in its programs:

Art Foundation Requirement:

You need a 2.67 or higher GPA in the art foundation (Studio Art Foundation and Art History Foundation combined), including transfer credits and regardless of any declaration of academic bankruptcy, to maintain your status as an art major and to qualify for the BFA Portfolio Review. The foundation consists of ART 101, 102, 103, 104, and 6 credits of 200 level Art History.

BFA Portfolio Review:

Passing the BFA Portfolio Review is required for admission into the BFA (professional) program. This review is conducted by Art & Design faculty. You must have completed ART 101, 102, 103, 104 and a choice of six credits from other art studio courses.

The review must take place before you complete 24 studio art credits. If you complete 24 studio art credits during the fall semester, you must complete the review the following spring semester. **You may attempt the BFA Portfolio Review only once.**

At the time of the review, you may apply for up to three emphasis areas. If you do not pass the BFA Portfolio Review, you may maintain BA status in the Department of Art & Design. Graduating with a BA degree is contingent upon meeting the specific major requirements of the BA degree.

BFA Portfolio Review Appeals

Process:

You may appeal any action taken by the Department of Art & Design that is based on departmental requirements and policies that are set forth in this catalog. You must appeal in writing to the department chair within 30 days of notification of the action taken. The department chair will determine whether a review is appropriate. If so, a

review team, composed of a faculty member appointed by the chair and a faculty member that you select, will review the matter and give a recommendation to the chair.

BFA Review – Reconsideration Review:

You may be reconsidered for acceptance into the BFA after the department Academic Appeal 30-day limit has passed. This appeal must be made to the department chair and must include three letters of support from Art & Design faculty who have worked with the student in the classroom. The appeal will automatically trigger a new BFA review by a review team made up of faculty members from at least three emphasis areas. The new review must take place within 30 days of receiving the final letter of support. A reconsideration review may be attempted once.

BFA Requirement:

In order to complete the BFA program, you must satisfy the art foundation requirements, pass the BFA Portfolio Review, and maintain a 2.67 or higher GPA in all art courses. This includes transfer credits and applies regardless of any declaration of academic bankruptcy. For graduation, you must also successfully pass ART 491.

BA Requirement:

In order to complete the BA program you must maintain a 2.67 or higher GPA, including transfer credits, regardless of any declaration of academic bankruptcy. Contact the Department of Art & Design for further details. The chair may make exceptions to the above entrance and retention criteria under unusual circumstances.

Test-Out and Credit-by-Exam Policy for Art & Design

The Department of Art & Design has test-out and credit-by-exam procedures for all General Education Program requirement (GEP) art courses. If you wish to test out and receive credit-by-exam, you must first confer with the faculty member who teaches the course about requirements for the exam and grading procedures. If you pass the exam, the GEP requirement will be waived, you will receive credit for the course, and the course may count toward an art major and/or minor if appropriate.

The cumulative exam will consist of a specific exercise or series of exercises different from those used in the existing course. In a course with a significant research component, you may be required to do an appropriate project. You may take a test-out/credit-by-exam test only once.

Probation for Art Major

If your GPA is below the minimum requirement, you will receive a warning that your academic status is unsatisfactory. If your GPA falls below the minimum requirement for two consecutive semesters, you will be dismissed as a major. The department policy on

repeating courses and academic bankruptcy requires prior department authorization, but is otherwise the same as general university policy, except where higher department GPA requirements apply.

Academic Appeal

You may appeal any action taken by the Department of Art & Design that is based on departmental requirements and policies that are set forth in this catalog. You must appeal in writing to the department chair within 30 days of notification of the action taken. The department chair will determine whether a review is appropriate.

Accommodations for Students with Disabilities

The Department of Art & Design works cooperatively with the Office of Disability Services to ensure that qualified students with disabilities are provided equal access and accommodations appropriate to their disability in their academic programs and pursuits.

Students with an art & design major who have a documented disability may qualify for services through the UW-Stevens Point Office of Disability Services. Depending on the student's individual needs as related to their disability, they may utilize accommodations that could include, but not limited to, classroom, testing, reading and writing accommodations as appropriate. Inquiry or referral for accommodation services should be directed to the Coordinator of Disability Services.

Courses in Art & Design

ART 101. Design: Two-dimensional. 3 cr. Fundamental visual elements, issues, and principles of two-dimensional design as a foundation for further study in the visual arts and design. May not earn credit in both ART 101 and IA 101. GEP: ART

ART 102. Design: Three-dimensional. 3 cr. Fundamental visual elements, issues and principles of three-dimensional design as a foundation for further study in the visual arts and design. GEP: ART

ART 103. Basic Drawing I. 3 cr. Basic drawing using various materials and techniques. GEP: ART

ART 104. Drawing II. 3 cr. Foundations drawing using a variety of media and approaches with emphasis on conceptual development and color theory/application. Prereq: 103. GEP: ART

ART 181. History of the Visual Arts. 3 cr. Survey of world art and architecture. Directions, functions, influences of visual imagery and structures in world culture. Nonart majors may use 181 in lieu of 282 or 283 as prereq for upper level art history courses. (*181 does NOT count if you have already taken a higher level art history course.*) GDR: HU1, NW; GEP: ART, GA

ART 199. Special Work. 1-3 cr. Freshman and Sophomore art majors may arrange for special work with cons chair and approp faculty member. Credit based on scope of project. May repeat for 6 cr max. Sec 1-9, graphic design; sec 21-29, 2-D; sec 31-39, 3-D; sec 41-49, art history. Prereq: Cons instr and cons chair.

ART 201. Intermediate 3-D Studio Design. 3 cr. Applied 3-D design theory and concepts using 3-D computer modeling and traditional 3-D materials. Prereq: 101, 102 or cons instr.

ART 205. Beginning 3-D Computer Animation. 3 cr. Beginning elements and techniques of three dimensional (3-D) computer animation. Includes solid modeling, time based motion, materials, lighting, and camera work. Prereq: 101, 102 or cons instr.

ART 206. Symbols for Graphic Design. 3 cr. Exploration of form and symbol development as it relates to communication and graphic design. Prereq: 101,102, 104, declared graphic design emphasis intended student, or cons instr. (I)

ART 207. Typography I. 3 cr. Structure of words and images in graphic design. Basic principles of typographic design. Prereq: 206 and declared graphic design emphasis intended student, or cons instr. (II)

ART211. Graphic Design Production I. 3 cr. Study of principles and processes used in print design and production for graphic design. Design and prepare work for various commercial print processes using industry standard tools and software. Prereq: 101, 102, 104, declared graphic design emphasis intended student, or cons instr.

ART 212. Graphic Design Production II. 3 cr. Study of principles and processes used in web design and production for graphic design. Focus on processes and development of websites from beginning stages to live sites using industry standard code and software. Prereq: 211 and declared graphic design emphasis intended student, or cons instr.

ART 215. Basic Photography. 3 cr. Introduction to black and white photography as expressive creative medium. Historical and contemporary issues, both technical and aesthetic, emphasizing development of skills necessary to use photographic medium and personal application. Student must furnish light meter and camera with adjustable aperture and focusing. Prereq: 104 or cons instr.

ART 221. Printmaking Survey I: Intaglio and Relief. 3 cr. Introduction to intaglio and relief printmaking as an expressive art form through demonstrations, practice and readings. Prereq: 103, 104 and cons instr.

ART 222. Printmaking Survey II: Monotype and Lithography. 3 cr. Introduction to monotype and lithographic printmaking as an expressive art form through demonstrations, practice and readings. Prereq: 103 and 104.

ART 227. Letterpress. 3 cr. Introduction to letterpress printmaking as an expressive art form through demonstration, practice and readings. Production of editioned printed works. Prereq: 101, 102, 103, 104; or cons instr.

ART 234. Basic Painting. 3 cr. Introduction to oil painting, with traditional and contemporary methods. Develop critical judgment by exploring technical, conceptual, historical perspectives. Prereq: 104.

ART 236. Life Drawing. 3 cr. Drawing the human figure with attention to anatomy, using a variety of media. Prereq: 103.

ART 251. Introduction to Sculpture: Fabrication and Installation. 3 cr. Introduction to sculptural concepts, processes and materials that require fabrication methods, including metal working techniques, and explore relationships between concept, site, space and form. Prereq: 101, 102, 103, 104, or cons instr.

ART 252. Introduction to Sculpture: Modeling, Mold Making, Casting. 3 cr. Introduction to sculptural concepts, methods and materials unique to casting processes. Includes, but not limited to, rendering and modeling in clay and/or wax, mold-making techniques, lost-wax casting, and casting in one or more of the following materials: glass, metals and/or alternative materials. Prereq: 101, 102, 103, 104, or cons instr.

ART 253. Introduction to Sculpture: Reductive Processes. 3 cr. Sculptural concepts, methods and materials unique to reductive/carving processes. Prereq: 101, 102, 103, 104, or cons instr.

ART 257. Beginning Book Arts. 3 cr. Introduction to the book arts as an expressive art form through demonstrations, practice and readings. Creation of one-of-a-kind and editioned artist books. Prereq: 101, 102, 103, 104; or cons instr.

ART 261. Basic Ceramics. 3 cr. Introduction (based on clay and glaze calculations and chemical theory) to variety of ceramic materials and processes of forming, finishing, and firing. Also, manipulative and technical skills, aesthetic exploration, ceramic tradition and contemporary trends. Prereq: 102 and 104.

ART 270. Survey of Asian Art I. 3 cr. Survey of the visual arts of China, Japan, and India from the Neolithic period through the 13th Century CE. Religion, philosophy, and parallel arts are also studied to understand the critical relationship between art and society. GDR: HU1, NW; GEP: GA, HU

ART 271. Survey of Asian Art II. 3 cr. Survey of the visual arts of China, Japan, and India from the 13th Century CE to the modern period. Religion, philosophy, and parallel arts are also studied to understand the critical relationship between art and society. GDR: HU1, NW; GEP: GA, HU

ART 282. Survey of Western Art History I. 3 cr. History of art in ancient and medieval cultures, emphasizing historical, cultural, religious, economic, and political factors that influenced the architecture, painting, and sculpture of Egypt, the ancient near East, Greece, Rome, Byzantium, and medieval western Europe. GDR: HU1; GEP: GA, HP

ART 283. Survey of Western Art History II. 3 cr. History of art from the 13th century to the present, emphasizing historical, cultural, religious, economic, and political factors which influenced the architecture, painting, and sculpture of Europe and the U.S. GDR: HU1; GEP: GA, HP

ART 298. Special Topics. 1-3 cr. Introductory level group work in one medium, technique or area. Subtitle/credit varies. May be repeated for credit under different subtitles. Sec 1-9, graphic design; sec 21-29, 2-D; sec 31-39, 3-D; sec 41-49, art history.

ART 299. Special Work. 1-3 cr. Freshman and Sophomore art majors may arrange for special work with cons chair and approp faculty member. Credit based on scope of project. May repeat for 6 cr max. Sec 1-9, graphic design; sec 21-29, 2-D; sec 31-39, 3-D; sec 41-49, art history. Prereq: Cons instr and cons chair.

ART 303. Advanced Drawing I. 3 cr. Advanced problems in drawing emphasizing experimentation, individual conceptual development and contemporary issues in art. Prereq: 104, 236.

ART 304. Visual Design for the Screen. 3 cr. Visual design concepts applied to Web and screen-based environments. Consideration of type, image, motion, principles of organizational hierarchy, interaction, context, and audience. Basic computer experience required. Prereq: 101 and 104, or cons instr.

ART 305. Intermediate 3-D Computer Animation. 3 cr. Elements and techniques of three dimensional (3-D) computer animation. Includes solid modeling, time based motion, advanced material editing, advanced lighting, camera work, and techniques of video integration and video editing. Prereq: 205 or cons instr.

ART 308. Typography II. 3 cr. Intermediate design of letterforms and typography through hand and computer created techniques. Aesthetic issues of form and proportion. Historical developments in typographic design and visual communication. Prereq: 206, 207; 211, 212, or cons instr. Pass portfolio review. (I)

ART 309. Photography for Graphic Design. 3 cr. Develop visual skills using photo and photo-direction techniques for graphic design solutions. Highly recommended that you furnish digital camera with adjustable aperture and focusing. Prereq: 206, 207, 211, 212; or cons instr. Pass portfolio review.

ART 310. Illustration. 3 cr. Technical and graphic illustration using a variety of techniques and materials. May repeat course with cons instr. Prereq: 236 or cons instr.

ART 311. Branding and Systems for Graphic Design. 3 cr. Combines photographic, typographic, and rendered elements in applied professional and sequential problems, emphasizing design for print and web processes. Prereq: 308, 309, or cons instr. Pass portfolio review. (I)

ART 320. Intermediate Photography. 3 cr. Further study of photography as expressive art form. Explore photographic vision. Develop personal style, identity in image making, and personal connection to work. Refine technical aspects of black and white format. Prereq: 215.

ART 321. Intermediate Printmaking. 3 cr. Continued study in printmaking using greater understanding of advanced techniques and concept development to see how the printmaking medium can be used for more effective individualized expression. Prereq: 221 or 222.

ART 334. Intermediate Painting. 3 cr. Problem solving in painting with emphasis on personal ideas, goals, and self-evaluation. Research historical and contemporary ideas, styles, methods, and materials relative to individual application in painting. Prereq: 234.

ART 335/535. Landscape Painting and the Environment. 3 cr. Investigate genre of landscape painting "en pleine aire" (on location) in an opaque medium. Color development. Effects and interactions of human societies with the natural environment. History of landscape painting genre and relationships of geologist and artist. GDR: EL

ART 336. Life Drawing. 3 cr. Continued study of human figure emphasizing experimental work. Prereq: 236.

ART 340. Visiting Artist Abroad: Public Art and Journaling. 3 cr. Research diverse cultural images resulting in the execution of public artwork or developing of a studio facility, as a visiting artist at a hosting facility. Research and produce preliminary drawings and execute a public artwork on site. Create personal journals of visual and cultural experiences. Participate as visiting artist at hosting facility and hold workshops with the local student community. Upon returning to UW-Stevens Point, exhibit artwork inspired by the experience. Prereq: art foundation and/or cons. instr.

ART 351. Intermediate Sculpture: Concepts in Fabrication, Installation and Casting. 3 cr. (may be repeated for up to 6 cr). Conceptual and formal development of fabricated, cast and installation work. Develop and expand upon concepts and methods covered in ART 251 and 252. Prereq: 251, 252, or cons instr.

ART 353. Intermediate Sculpture: Reductive Processes. 3 cr. Sculptural concepts, methods and materials unique to reductive/carving processes. Prereq: 253, or cons instr.

ART 354. Welding and Fabrication. 3 cr. Metal processes including welding and fabrication; also technical skills, research, and assigned projects to focus on concepts and specific media. Cross-cultural overview of related works. Prereq: 251.

ART 355. Intermediate Sculpture: Kiln-Working Glass. 3 cr (may be repeated for up to 6 cr). Explore glass as a sculptural medium using kiln-working methods: fusing, slumping, casting and other related techniques. Also includes cold-working methods: grinding, engraving, carving, sandblasting, and polishing. Explore conceptual and formal development of work in glass. Prereq: 351, or cons instr.

ART 356. Intermediate Sculpture: Hot-Working Glass. 3 cr (may be repeated for up to 6 cr). Explore glass as a sculptural medium using hot-working methods which may include: casting, solid working, glass blowing and other related techniques. Explore conceptual and formal development of work in glass. Prereq: 355, or cons instr.

ART 357. Intermediate Book Arts. 3 cr. Continued work investigating book arts as an expressive art form. Creation of conceptually challenging and technically adept artist books. Prereq: 227 or 257, or cons instr.

ART 361. Intermediate Ceramics: Contemporary Approaches. 3 cr. Increasing complexity in 3-D construction techniques including mold-making, surface treatments, and color use. Focus on artistic goals, studio management responsibility, and production control. Prereq: 261.

ART 362. Intermediate Ceramics: Sculptural Hand-Building. 3 cr. Studio experiences in ceramics, with emphasis on historical and contemporary sculptural hand-building approaches. Prereq: 261.

ART 363. Intermediate Ceramics: Wheel Throwing Pottery. 3 cr. Studio experiences in wheel throwing pottery production and approaches, with emphasis on historical and contemporary concepts. Prereq: 261.

ART 364. Intermediate Ceramics: East Asian Techniques. 3 cr. Studio experiences in ceramics, with emphasis on historical and contemporary East Asian techniques of making (China, Japan and Korea). Prereq: 261.

ART 370. Early Chinese Art and Archaeology. 3 cr. Survey of the art, architecture, and archaeology of early China from the Neolithic period through the Han Dynasty (3rd Century CE). Relevant mythological, historical, and philosophical texts in translation are also considered. Prereq: 270 or cons instr. GDR: NW; GEP: GA

ART 371. Early Imperial Chinese Art. 3 cr. Survey of early imperial painting, architecture, and sculpture from 221 BCE to 906 CE. Topics include funerary arts and the impact of Buddhism. Prereq: 270 or cons instr. GDR: NW

ART 372. Late Imperial Chinese Art. 3 cr. Survey of late imperial Chinese painting, architecture, and sculpture from 906 to 1911 CE. Prereq: 271 or cons instr. GDR: NW; GEP: GA

ART 373. The Rise of Modernism in Chinese Art. 3 cr. Survey of the visual arts and history of China from the conquest of the Great Qing empire in 1644 through the founding of the People's Republic of China in 1949. Prereq: 271 or cons instr. GDR: HU1, NW

ART 374. Ancient and Medieval Japanese Art. 3 cr. Survey of Japanese painting, sculpture, and architecture from the Neolithic period through the 17th century. Prereq: 270 or cons. instr. GDR: NW; GEP: GA

ART 375. Early Modern Japanese Painting and Woodblock Prints. 3 cr. Survey of early modern Japanese painting and woodblock prints of the Edo/Tokugawa (1600-1868 CE) and Meiji (1868-1912 CE) periods. Considers influences of traditional Japanese art, and of Chinese and Western art. Prereq: 271 or cons instr. GDR: NW; GEP: GA

ART 378. Art Along the Ancient Silk Road. 3 cr. Explore cultural and artistic connections between China, Central and Western Asia, and the Mediterranean during pre-modern times. Accounts of merchants, monks, and adventurers who traveled the Silk Road will also be studied. Prereq: 270 or cons instr. GDR: NW; GEP: GA

ART 379. Topics in Contemporary Asian Art. 3 cr. Topics in modern and contemporary Asian art from the mid-20th century. Prereq: 271, or cons instr.

ART 380. Cultural History of Crafts. 3 cr. Survey crafts of diverse groups including North and South American Indians, European folk cultures, Asian continent and island nations. Discover and appreciate non-Western groups and women in the visual arts. GDR: HU1, NW

ART 382. History of Ancient Greek Art. 3 cr. Survey of ancient Greek art, archaeology, and architecture; plus historical, social, cultural, and political conditions that influenced Greek art in the Bronze Age and the Archaic, Classical, and Hellenistic periods. Prereq: 282.

ART 383. History of Ancient Roman Art. 3 cr. Historical and cultural survey of Etruscan, Republican Roman, and Imperial Roman art, architecture and archaeology. Prereq: 282.

ART 385. Italian and Northern Renaissance Art I, 1250-1450. 3 cr. Survey of Italian Renaissance painting, architecture, and sculpture, from Proto-Renaissance to peak of the Quattrocento; also early northern Renaissance art. Prereq: 283.

ART 386. Italian and Northern Renaissance Art II, 1450-1600. 3 cr. Survey of Italian Renaissance painting, sculpture, and architecture, from the middle of the Quattrocento through Mannerist period; also northern Renaissance and Venetian Renaissance. Prereq: 283.

ART 387. History of Baroque and Rococo Art. 3 cr. Historical survey of European art and architecture of 17th-18th centuries-period of the "Great Masters." Relationship between artistic style and history, religion, culture, economics and politics. Artists include Bernini, Caravaggio, Poussin, Rembrandt, Wren, Watteau. Prereq: 283.

ART 388. European Art: Neo-Classicism through the early 19th Century. 3 cr. Survey of European art from Neo-Classical period through early 19th century. Emphasis on relationships between contemporary society and politics, artistic philosophies, and artistic style. Artists and styles include Neo-Classicism, David, Ingres, Romanticism, Goya, Gericault, Delacroix, Constable, Turner, etc. Prereq: 283.

ART 389. Birth of Modernism in European Art. 3 cr. Historical survey of European art and its social, political and philosophical climate from the inception of modernist artistic philosophies in the mid-19th century to their fruition in the early 20th century. Artists and styles include Whistler, Manet, Impressionism, Post-Impressionism, Divisionism, Munch, Van Gogh, figural expressionism, etc. Prereq: 283.

ART 390. American Art I: Colonial through Mid-19th Century. 3 cr. Historical survey of American art from colonial inception through middle of the 19th century (Copley, Stuart, Hudson River School, Luminists, et al). Prereq: 283.

ART 391. American Art II: Late 19th and early 20th Century. 3 cr. Survey of American art from birth of American "modernity" in the late 19th century through the arrival of European Modernism in the early 20th century. Topics include American Landscape painting, Eakins, Homer, Whistler, Cassatt, Sargent, American Impressionism, the Ash Can School, Stieglitz, and the Armory Show. Prereq: 283.

ART 392. American and European Art Since World War II. 3 cr. Survey of all manifestations of contemporary art. Prereq: 283.

ART 393. Graphic Design History. 3 cr. History of development of graphic design. Prereq: two of the following: 270, 271, 282, or 283; or cons instr.

ART 394. European Art: 1890 - 1920. 3 cr. Western Art History in the "Luminous Years": 1890-1920. This period represents the birth of the modern art world. Associated, historical, cultural and social issues and the development of artists' philosophies will be studied. Movements and events covered include Fauvism, figural expressionism, Cubism, Blaue Reiter, die Brücke, Orphism, etc. Focus primarily on Europe, although some American topics will also be included. Prereq: 283, or cons instr.

ART 395. American and European Art: 1900 - 1945. 3 cr. Focus on the rise of Modernism and the birth of a modern art world in the United States, 1900-1920. Trace modernist philosophies, styles, and trends in both American and European Art through the end of World War II. Stieglitz, the Armory Show, Early American Modernists (including Georgia O'Keefe, Stuart Davis, et al.), Hopper, American Social Commentary, American Regionalist Schools, The Harlem Renaissance, European Dada, Surrealism, Russian/Soviet Constructivism, de Stijl, and the rise of the New York School are all fair game. Prereq: 283, or cons. Instr.

ART 396. Non-Western Art History in International Programs. 3 cr. Advanced art history during UW-Stevens Point semester abroad or study tour in countries and cultures outside of the Judeo-Christian tradition of Western Europe, North America, etc. Subject varies by destination and resources. Emphasis on art and culture of area visited. ART 396/397 may be repeated under different subtitles up to a total of 3 times (9 cr). Prereq: Admis to UW-Stevens Point study tour or semester abroad. (270, 271 recommended. GDR: NW; GEP: GA, XL

ART 397. Art History in International Programs. 3 cr. Advanced art history during UW-Stevens Point semester abroad or study tour. Subject varies by destination and resources. Emphasis on art and culture of area visited. ART 396 and/or 397 may be repeated under different subtitles up to a total of 3 times (9 cr). Prereq: Admis to UW-Stevens Point study tour or semester abroad. (181, 282, 283 recommended.) GDR: HU1; GEP: ART, GA, XL

ART 398. Special Topics. 1-3 cr. Group work in one medium, technique, or area. Subtitle/credit varies. May repeat for 9 cr max. Prereq: Vary by topic. Sec 1-9, graphic design; sec 21-29, 2-D; sec 31-39, 3-D; sec 41-49, art history.

ART 399. Special Work. 1-3 cr. Upperclass art majors may arrange for special advanced work with cons chair and approp faculty member. Credit based on scope of project. May repeat for 6 cr max. Sec. 1-9, graphic design; sec 21-29, 2-D; sec 31-39, 3-D; sec 41-49, art history. Prereq: Pass BFA portfolio review or be admitted to the BA Art History Emphasis. Art History minors may take ART 399 sec. 41-49 without portfolio review, and IA and arts management majors may do so for projects associated with participation in International Programs.

ART 402. Advanced Photography. 3-6 cr. Advanced study in photography, with individualized instruction, image making, and expression. Emphasis on formal, intellectual, and aesthetic issues. Develop comprehensive, cohesive, technically proficient body of work. May be repeated. Prereq: 320. Pass portfolio review.

ART 403. Advanced Drawing II. 3 cr. Continued investigation of advanced drawing concepts. Emphasis on developing a concise body of drawings. May repeat for 6 cr max. Prereq: 303. Pass portfolio review.

ART 404. Advanced Visual Design for the Screen cr. Advanced visual design theory and concepts for Web and screen-based art. Includes consideration of typography, image, motion, principles of organizational hierarchy, interaction, context, and audience.

Prereq: 304 or cons instr. Pass portfolio review.

ART 405. Advanced 3-D Computer Animation. 3 cr. Elements and techniques of three dimensional (3-D) computer animation. Includes solid modeling, time based motion, advanced material editing, advanced lighting, camera work, and advanced techniques of video integration and editing. Prereq: 305 or cons instr. Pass portfolio review.

ART 410. Graphic Design Processes. 3 cr. Concepts and applications of graphic design through commercial production formats. Design and produce hand and computer mechanicals for various processes, emphasizing skill, craftsmanship, visual aesthetics. Prereq: 311 or cons instr. Pass portfolio review. (II)

ART 412. Advanced Problem Solving in Package Design. 3 cr. Advanced applied problems in package design. Emphasis on formal, intellectual, aesthetic and pragmatic issues. Problems organizing word and image with the container. Work leading to significant portfolio development. May repeat for 6 cr max.

Prereq: 311 or cons instr. Pass portfolio review. (II)

ART 413. Advanced Problem Solving in Print Design. 3 cr. Advanced applied problems in print design. Emphasis on formal, intellectual, aesthetic and pragmatic issues. Problems organizing word and symbol to form corporate identity. Work leading to significant portfolio development. May repeat for 6 cr max. Prereq: 311 or cons instr. Pass portfolio review. (II)

ART 417. Internship in International Programs. 3-12 cr. Internship experience during UW-Stevens Point semester abroad, coordinated by UW-Stevens Point International Programs. If credit for 417, then may not earn credit in either ART 419 or 420.

Prereq: Min 15 credits studio courses beyond foundation, cons chair. Pass portfolio review.

ART 418. Gallery Internship. 1-3 cr. Internship in the Carlsten Art Gallery. Training in philosophical issues of gallery management and exhibition programming. Technical training and practice of gallery management include organizing and hanging shows, planning receptions, grant and fund-raising, etc. May repeat for 3 cr max. Does not count as art elective. Pass portfolio review.

ART 419. Design Internship. 1-4 cr. Professional international, national or regional internship experience in graphic design industry; credit approved on submission of portfolio and written description of experience, in consultation with the internship provider. Class meetings to discuss, present, and document internship; and explore professional design experiences. Prereq: Cons instr. GEP: XL

ART 420. Studio Art Internship. 1-3 cr. Visual arts experience in a selected area, including studio techniques, management, process exploration and research. May repeat for 3 cr max. Prereq: At least 15 cr advanced visual arts studies, cons chair. Pass portfolio review.

ART 421. Advanced Printmaking. 3-6 cr. Advanced study in printmaking with individualized instruction, image making, and expression. Formal, intellectual, and aesthetic issues. Develop comprehensive, cohesive, and technically proficient body of work. May be repeated. Prereq: 321 or 322 or 323. Pass portfolio review.

ART 434. Advanced Painting. 3-6 cr. Advanced study in painting with individualized instruction, image making, and expression. Formal, intellectual, and aesthetic issues. Develop comprehensive, cohesive, and technically proficient body of work. May be repeated. Prereq: 334. Pass portfolio review.

ART 436. Life Drawing. 3 cr. Content determined by student and instructor, based on previous coursework in life drawing. Prereq: 336 or cons instr. Pass portfolio review.

ART 451. Advanced Sculpture and Professional Development. 3 cr (may be repeated for up to 6 cr). Designed for the advanced student committed to creating a cohesive body of sculptural work with an emphasis on in-depth conceptual, aesthetic, and technical development. Professional development opportunities and preparation will also be addressed. Must be self-directed and competent in the equipment and processes necessary for the fabrication of your particular body of work. Prereq: 351, pass BFA Review, or cons instr.

ART 454. Advanced Sculpture: Public Art. 3 cr (may be repeated for up to 6 cr). Focus on the advanced methods, concepts and approaches to installation and public art and the relationships between concept, site, space and form. Prereq: pass BFA Review, or cons instr.

ART 456. Advanced Sculpture: Concepts in Glass. 3 cr (may be repeated for up to 6 cr). Emphasis on the conceptual development of a cohesive body of sculptural work in glass. Explore advanced methods for working sculpturally with glass. Develop critical thinking skills and an understanding and working knowledge of contemporary artists working in glass processes. Prereq: 356, pass BFA Review, or cons instr.

ART 457. Advanced Book Arts. 3 cr. (May be repeated for up to 6 cr.). Advanced investigation of book arts as an expressive art form. Produce self-directed research projects. Prereq: 357 or cons instr.

ART 461. Advanced Ceramics. 3-6 cr. Advanced study in ceramics with individualized instruction, image making, and expression. Formal, intellectual, and aesthetic issues. Develop comprehensive, cohesive, and technically proficient body of work. May be repeated. Prereq: 361. Pass portfolio review.

ART 490. Senior Seminar. 4 cr. Contemporary criticism and theory for BFA students in preparation for senior exhibition. Readings from contemporary literature in studio disciplines. Discuss, present, and write critical response to current issues/ideas. Concurrent development of student senior portfolio. Prereq: Sr st in BFA art major or cons instr. Pass portfolio review. (I)

ART 491. Senior Exhibition. 4 cr. Prepare senior portfolio (graphic design emphasis) or gallery show (2-D or 3-D emphasis). Studio work to enhance and complete student portfolio: organize and install an exhibition in the Edna Carlsten Gallery or participate in the Graphic Design Senior Portfolio Review; faculty evaluation of exhibition. (II) Prereq: Sr st, BFA art major, 490 required for 2D and 3D emphasis. Pass portfolio review.

ART 492. Senior Research Project in Art History. 3 cr. Produce a detailed, advanced scholarly research paper and make a public presentation on an art historical topic agreed to by the professor(s). Prereq: admission to the Art History emphasis area and at least 15 cr. completed in 300-level or higher Art History courses, or cons instr. GEP: XL

ART 498. Special Topics. 1-3 cr. Advanced level group work in one medium, technique, or area. Subtitle/credit varies. May be repeated for credit under different subtitle. Prereq: Vary by topic. Pass portfolio review. Sec 1-9, graphic design; sec 21-29, 2-D; sec 31-39, 3-D; sec 41-49, art history.

ART 796. Independent Study. 1-3 cr. Special work. Prereq: Cons instr.

ART 798. Special Topics. 1-3 cr.

Art Latent Courses: Not offered recently. See full course description in indicated (xx-xx) catalog.

401 Professional Photographic Techniques, 3 cr, (07-09)

Course in Art Education

A ED 322. Techniques in Elementary School: Art. 3 cr. Methods, materials, and philosophy.

Astronomy

(College of Letters and Science)

Mick Veum, Chair of Physics and Astronomy

Room B-109, Science Building

Phone: 715-346-2139

Email: physics@uwsp.edu

Web: www.uwsp.edu/physastr

Faculty: P Banerjee, A Durbala, M Farzaneh, B Hinaus, T Hohl, K Menningen, R Olson, A Stevenson, D Tamres, C Verzani, M Veum, S Zamfir.

Definition: Astronomy investigates the nature of celestial objects such as stars, planets, and galaxies, including their magnitudes, motions, distances and periods of revolution.

Courses in astronomy are taught by members of the Department of Physics and Astronomy.

Courses in physics are listed under that title later in this catalog.

Test-Out and Credit-by-Exam Policy for Physics and Astronomy

The Department of Physics and Astronomy will offer test-out examinations for all General Education Program requirement (GEP) courses offered by the department. The exams will cover both lecture and laboratory topics. If you wish to take a test-out exam, confer with the department chair who will arrange for a faculty member to administer and grade a comprehensive written exam. A passing grade will be at least five percent above the most recent class average. You will be informed of the required passing score before taking the exam. Results will be evaluated and (if appropriate) credit granted by the departmental Educational Policies Committee. You may take a test-out exam only once.

Course credit can be granted for ASTR 205, 206, 311; PHYS 150, 201, 202, 203, 204, 250. Credit will NOT be granted for ASTR 100 and PHYS 100 and 101, but the GEP requirement will be waived.

Notes for Astronomy:

1. You may not take both ASTR 100 and 311 for credit.
2. If you take ASTR 205 or 206, you may not subsequently take 100 for credit.
3. You may take both ASTR 205 and 206 for GEP credit.

Courses in Astronomy

ASTR 100. Unveiling the Universe. 3 cr. An encounter with ideas concerning the physical universe, from earth to intergalactic space. 2 hrs lec, 2 hrs lab per wk. You may not take both 100 and 311 for credit. Also, you may not take 100 for credit if you have already taken 205 or 206. GDR: NS; GEP: NSC

ASTR 205. The Solar System. 4 cr. A contemporary perspective with emphasis on understanding basic principles of astronomy, coordinate systems, telescopes, planetary phenomena, and recent results of planetary exploration. 3 hrs lec, 3 hrs lab per wk. Prereq: MATH 100 or equiv or cons chair. GDR: NS; GEP: NSC

ASTR 206. Stars and Stellar Systems. 4 cr. Examine content and evolution of the universe, including birth and death of stars, nature of galaxies, and mystery of quasars and black-holes, with emphasis on understanding physical concepts. 3 hrs lec, 3 hrs lab per wk, some night observations. Prereq: MATH 100 or equiv or cons chair. GDR: NS; GEP: NSC

ASTR 311. Introduction to Astronomy. 3 cr. Descriptive approach to astronomy through study of the solar system, stars, star clusters, nebulae, and galaxies; evening meetings required for observation; use telescopes and planetarium. You may not take both 311 and 100 for credit. You may not apply both 311 and 205 for GDR credit. You may not apply both 311 and 206 for GDR credit. This course is not open to you if you have had both 205 and 206. GDR: NS-BS;

Astronomy Latent Courses: Not offered recently. See full course description in indicated (xx-xx) catalog.

370/570 Astronomy for Teachers, 4 cr, (91-93)

371/571 Laboratory in Planetarium Studies, 2 cr, (91-93)

380 Selected Topics, 1-3 cr, (01-03)

796 Independent Study, 1-4 cr, (07-09)

ATHLETIC TRAINING

See [Physical Education & Athletic Training](#).

AUDIOLOGY

See [Communicative Disorders](#).

BILINGUAL EDUCATION

See [World Languages and Literatures](#).

Biochemistry

(College of Letters and Science)

Chris Yahnke, Chair of Biology Department
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James G. Brummer, Chair of Chemistry Department
Room D129A, Science Building

Phone: 715-346-2888

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Web: www.uwsp.edu/chemistry

Biology faculty: S Alger, B Barringer, T Barta, R Bell, K Bodensteiner, J Bray, D Caporale, A Davis, L Dresang, V Freire, E Gasque, C Hartleb, J Hubbard, T Huspeni, E Judziewicz, M Rogge, R Rosenfield, D Sandhu, R Schmitz, S Sepsenwol, E Singaas, J Sipiowski, K Slemmons, Q Sun, C Yahnke, P Zani.

Chemistry faculty: D Albert, R Badger, N Bowling, J Buth, L Cole, K Czerwinski, J D'Acchioli, J Droske, P Hladky, A Jonsson, J Lawrence, G Lueck, C Schiaffo, V Schiaffo, GJ Shulfer, D Snyder, E Speetzen, R Tanke, A Timerman, E Todd, K Wawrzaszek, S Wright, M Zach.

Definition: Biochemistry combines knowledge of biology and chemistry to explain life processes in terms of molecular structure and chemical reactions within living cells.

This interdisciplinary major has a chemistry-based curriculum coupled with a significant biology component. The role of a biochemist is to work for understanding of organismal function and diversity in the principles and concepts of chemistry and physics, as well as in the structure, mechanisms and chemical processes that are

common to all organisms. The biochemistry major links biological sciences like molecular biology and genetics to physical sciences like chemistry and physics. In addition the biochemistry major combines the interdisciplinary foundation inherent to biochemistry with all the advantages of a liberal arts education.

Notes for Biochemistry:

1. Please read all the NOTES under the biology AND chemistry sections of this catalog. All items under both sections apply to the biochemistry major.
2. The biochemistry major is the same regardless of the college from which you graduate. If you have a single major (biochemistry), you will graduate from the College of Letters and Science. If you are in education, you may graduate from either the College of Letters and Science or from the College of Professional Studies. If you have a double major, such as biochemistry and natural resources, you may graduate from the College of Letters and Science or the College of Natural Resources.
3. Courses in biology and chemistry are open to all students who meet the prerequisites.
4. Communication in the Major is satisfied by earning credit in BIOL 490 and in the 200 and 300-level chemistry courses that are listed as core requirements. The physics and math courses are not part of the Communication in the Major.
5. Capstone Experience is satisfied by earning credit in BIOL 490. BIOL 490 with the designation "seminar in molecular biology" is preferred.

Biochemistry Major (Bachelor of Science)

Consists of a minimum of 82 total credits (77 credits if taking CHEM 117).

1. Required biochemistry core and collateral courses, 74 credits (69 credits if taking CHEM 117):
 - a. BIOL 130, 160, 210, 314, 318, 319, 381 or 385, 490.
 - b. CHEM 105 and 106 (or 117), 248, 325, 326, 333, 365.
 - c. MATH 120, 355.
 - d. PHYS 203 and 204, or PHYS 150 and 250.
2. Required electives, 8 credits from: BIOL 310, 312, 333, 351, 389, 399, 400, 415, 420, 485; CHEM 335, 336, 395, 425, 499 (2 cr max); MATH 121, 222. These courses may apply to one of the emphasis areas below.
3. Areas of emphasis (optional): You may use these recommended course groupings to personalize your program after consulting with your adviser.
 - a. Biochemistry/chemistry/biophysics: CHEM 335, 336; MATH 121, 222.
 - b. Biotechnology/molecular biology/genetics: BIOL 310, 312, 333, 389, 415, 420.

Academic Standards and Policies for Biochemistry Major

To be admitted, retained, and approved for graduation as a biochemistry major, you must have a minimum cumulative grade point average of 2.50 for all courses taken within the major, including collateral courses and regardless of a declaration of academic bankruptcy. If you are a transfer student, you meet this requirement by having at least a 2.50 GPA in the total major (UW-Stevens Point and transfer credits).

No more than 6 credits of D work in biology, chemistry, and biochemistry courses will be counted toward the completion of the biochemistry major. All grades of D or F are used to compute the cumulative GPA in the major. If a course is repeated, the last grade is the grade used in the GPA calculation. Courses with grades of D or F may be repeated only with the consent of the chair of the Biology or Chemistry Departments and only if a seat is available after the regular registration period.

Test-Out and Credit-by-Exam Policy

The credit-by-exam and Advanced Placement (AP) exam policies of the Biology Department pertain to biology courses. The credit-by-exam policies of the Chemistry Department apply to chemistry courses. You may take a test-out exam only once.

Biology (College of Letters and Science)

Chris Yahnke, Chair
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Web: www.uwsp.edu/biology

Faculty: S Alger, B Barringer, T Barta, R Bell, K Bodensteiner, J Bray, D Caporale, V Freire, E Gasque, D Graf, B Graham, J Hardy, C Hartleb, J Hubbard, T Huspeni, E Judziewicz, M Rogge, R Rosenfield, D Sandhu, R Schmitz, S Sepsenwol, N Shefferly, E Singsaas, J Sipiowski, K Slemmons, Q Sun, C Yahnke, P Zani, P Zellmer.

Definition: Biology is the scientific study of life. From simple, single-celled bacteria to complex, multicellular plants, animals, and fungi, biologists study how life works. Genetics, anatomy, physiology, development, ecology, evolution, and behavior of organisms fall within the work of the biologist as does the study of populations and communities of organisms.

Notes for Biology:

1. The biology major offers a Bachelor of Science degree from the College of Letters and Science. However, if you are accepted in the Education program, you may graduate from either the College of Letters and Science or from the College of Professional Studies. If you have a double major, such as biology and natural resources, you may graduate from the College of Letters and Science or the College of Natural Resources.
2. Courses in biology are open to all students who meet the prerequisites.

Biology Major (Bachelor of Science)

A minimum of 39 credits in biology as follows:

1. BIOL 130, 160, 210, 270, 305, 306, and 490. If you complete the College of Natural Resources Summer Field Experience, do not take 306.
2. One course from BIOL 314, 351, 381, 385.
3. Complete at least one course from at least two of the following course clusters.
 - a. Advanced Plant Courses: One course from BIOL 330, 331, 332, 337, 338, 342, 344, 346, 351, 353, 355; or two from BIOL 308, 345, 347.
 - b. Advanced Animal Courses: One course from BIOL 360, 361, 362, 367, 370, 373, 374, 375, 376, 377, 378, 379, 381, 385, 387, 388; WATR 387. If you take BIOL 381 and 385, you will only get credit for one of these courses for the biology major.
 - c. Advanced Cell, Molecular, Techniques, and Field Courses: One course from BIOL 309, 312, 314, 317, 323, 326, 333, 335, 386, 389, 415; CHEM 365; or both BIOL 318 and 319.

NOTE: You may use BIOL 314, 351, 381, and 385 to satisfy only ONE of the required areas.

4. Collateral courses:
 - a. CHEM 105 and 106, or 117.
 - b. MATH 111 or 120 or 355.
5. Elective credits to reach a minimum of 39 biology credits. Select from additional biology courses, CHEM 365, WATR 387, 388, 483.
6. Biology majors must complete at least 12 biology credits at UW-Stevens Point.
7. Complete a Capstone Experience (BIOL 490) and six credits of Communication in the Major (BIOL 270 and 490).

Biology Minor

Consists of a minimum of 22 credits:

1. BIOL 130 and 160.
2. Any two of the following categories:
 - a. BIOL 210.
 - b. BIOL 305.
 - c. BIOL 314 or 351 or 381 or 385.
3. Elective credits in biology (may include CHEM 365, WATR 387, 388, 483).

BIOCHEMISTRY

See [listing of the major](#) earlier in this section.

CONSERVATION BIOLOGY MINOR

See [Natural Resources-Wildlife](#).

Aquaculture/Fish Culture Minor (Biology)

Chris Hartleb, Coordinator
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Description: Aquaculture is the discipline that studies the culture of finfish, methods of production, environmental and ecological manipulation and assessment, selective breeding, nutrition, diseases, processing, marketing and operation of culture facilities. The importance of aquaculture has increased as natural stocks of fish have declined and human consumption has continued to rise.

A minor in Aquaculture/Fish Culture consists of at least 26 credits from the following courses:

1. Required courses (16-17 credits): BIOL/WATR 9386), BIOL 374, BIOL 375 or WATR 388; WATR 390 or WATR/WSTE/PSEN 382; BUS 320.
2. A minimum total of 10 elective credits from the following: BIOL 333, BIOL/WATR 338, BIOL/WATR 361, BIOL 362, BIOL 499 or WATR 381; WATR 387, 494; WATR/WLDL 360; WLDL 322; BUS 330.

Aquaponic Certificate Program

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The Aquaponic Certificate is awarded upon successful culmination of a series of courses that center on professional and scientific competence and proficiency in the field of aquaponics. Valued by hobbyists, home food producers, farmer's market growers, educators, social organizers and commercial producers, it substantiates your expertise in aquaponics to address a broad range of production and application issues. Program participants will acquire abilities to scientifically understand the roles of water, bacteria, plants and fish in a sustainable, integrated, controlled environment, food production system. Participants such as college students, life-long learners, and those seeking workforce training may complete the course requirements. Contact the program coordinator, Department of Biology, or the Continuing Education Office for more information about the program.

Consists of 20-21 credits:

1. 14-15 credits from BIOL 130, BIOL 333 or SOIL 484, BIOL 380, BIOL/WATR 386.

2. 6 credits from BIOL 337, 338, 351, 367, 374; WATR/WSTE/PSEN 382, WATR 390; BUS 320, 321, 330; ACCT 210.

Academic Standards and Policies for Biology

Biology is a limited-enrollment major. You might meet the minimum requirements listed below but not be admitted into the major. Admittance and status as a biology major depends on the following factors:

1. To be admitted, retained, and approved for graduation as a biology major, you must maintain a minimum grade point average of 2.50 for all courses taken within the major (2.75 to student teach in biology), including collateral courses and regardless of a declaration of academic bankruptcy.
2. When you apply for the biology major, you are conditionally admitted with an 'intended' status. BIOL 130 and 160 and CHEM 105 or 117 must be completed within three semesters of application to the major, with no less than a 2.50 GPA in the major (including UWSP and transferred biology and collateral chemistry and math credits). Advising for intended majors will be conducted through the Biology Advising Office. When the introductory biology courses (130 and 160) and the first semester of general chemistry (CHEM 105 or 117) are completed, and the minimum Biology GPA has been met, the status will be changed to 'accepted' and a faculty adviser will be assigned.
3. Accepted majors with a GPA in biology of less than 2.50 are changed to 'provisional' and are allowed two semesters in which to reach the minimum GPA or be dropped from the major. If you are dropped from the major, you may reapply only once.

NOTE: No more than six credits of D work in biology courses will be counted toward the completion of the biology major or minor. All grades of D or F in biology and required collateral courses are used to compute the cumulative GPA in the major or minor. If you repeat a course, the last grade earned is the grade used in your GPA calculation. Courses with grades of D or F may be repeated (only if a seat is available after the regular registration period) only with approval of the department chair and your adviser.

Teacher Certification: Enrollment caps are in effect for those seeking teacher certification. Please contact the School of Education early for entrance requirements and application procedures. Also see information about the Professional Education Program and the secondary education curriculum for teacher certification in the [Education](#) section of this catalog.

Advanced Placement (AP) Exams: If you wish, you may use a score of 5 on the biology AP exam as a substitute for either BIOL 130 or 160. See the chair or advising coordinator to exercise this option. If you score 3 or 4 on the AP exam, you will receive five credits toward graduation, but NOT toward biology major. Majors and minors must complete BIOL 130 AND 160.

Areas of Emphasis for Biology

The areas listed below **ARE NOT** majors or specialties that will be listed on your transcript. These are simply ways of personalizing the required core curricular elements, collateral courses, and electives to best fit particular career goals. These are **suggestions, not requirements**, and should be considered as a way of selecting the most appropriate courses to satisfy both the biology major and your interests while best preparing you for a career in that area.

You should discuss your selection of options and recommended courses with the Biology Advising Office counselors and with your adviser to ensure adequate preparation for specific careers.

With the minimum requirements for a biology major most students will be able to enter a profession upon graduation. If you want to advance in your profession after employment or enter graduate school, medical school, or veterinary medicine, you are advised to take MATH 111 or 120, and 355; PHYS 203 and 204; and a chemistry minor with CHEM 365 as an elective.

NOTE: Keep in mind that employers are looking for things other than coursework when you apply for a job in the biological sciences or post-graduate training. The three most important things besides coursework are: communication skills, leadership skills, and in-field experience. Check with a Biology Advising Office counselor and your adviser to find out how you might enhance these three areas.

Aquatic Biology: Recommended: 360 or 361 or WATR 387; 338, 347, 374, 375; CHEM 220, or 325 and 326; MATH 355; PHYS 203, or 201 and 202; WATR 388, 483. Supplementary: BIOL 362; WATR 389, 480, 482, 484.

Biobusiness: Take at least the following business courses: ACCT 210, ECON 110 and BUS 330 and 336.

In certain cases it might be appropriate to take a business minor. The following courses are recommended for the following business emphases: Horticulture: BIOL 333, 335, 337, 342, 346, 351, 367; CHEM 220 and 260; FOR 331, 485; NRES 251.

Pharmaceutical and Biomedical Sales: BIOL 314, 333, 382, 385; Chemistry minor with CHEM 365 as an elective.

Biotechnology: Recommended: 310, 312, 314, 317, 318, 319, 326, 333, 389, 420, 490 (molecular biology); chemistry minor with CHEM 365 as elective; PHYS 203 and 204; MATH 111 or 120.

Botany: Recommended: 310, 330, 331, 337, 338, 342, 345, 346, 351, 353, 355; Organic Chemistry. Supplementary: 314, 333, 335, 344, 367; NRES 251.

Ecology/Environmental: Recommended: 351 or 381; 342, 355, 360, 375; Modules in Ecology; CHEM 220; MATH 355; GEOG 379; CIS 102. Supplementary: ENGL 254; GEOG 101; MATH 111; PHYS 203, or 201 and 202; POLI 304; PHIL 380.

Education: Recommended: 381 or 385; 330 or 342; 314 or 333 or 351. Supplementary: 355 or 384, 386; 360,

367. You need a faculty adviser in biology AND one in education.

Graduate Work/Research: Most graduate programs in biology require a chemistry minor with CHEM 365 as the elective, PHYS 203 and 204, and MATH 111 or 120, and 355.

Microbiology: Recommended: 314; 333, 335 or 337, 389, 415. Supplementary: 338, 362, 399; MATH 355; chemistry minor.

Natural History: Recommended: 322, 342, 361, 367, 372, 379. Supplementary: 339, 399; GEOL 101; GEOG 101; NRES 368, 369.

Zoo and Aquaria: BIOL 362, 370, 372, 374, 376, 377, 378, 381, 382, 385, 386, 388 and 499 (internship).

Zoology: Recommended: 311, 314, 361, 362, 367, 370, 371, 372, 374, 375, 376, 377, 378, 381. Supplementary: 310, 320, 322, 373, 381, 385, 388; WATR 388.

Preprofessional:

Although not required, most professional schools recommend that you complete a bachelor of science degree before entering a professional school. Most professional schools do not have a required major. You are encouraged to choose a major that interests you, as long as the program prerequisites are completed.

However, most students major in Biology or Biochemistry. All areas listed below require English, humanities, psychology, and speech. Contact the appropriate preprofessional adviser for suggested electives and requirements as early as possible.

Prechiropractic: At least 90 credits to include BIOL 160, 333, 385, 387; CHEM 105 and 106 or 117, 325, 326, 328; PHYS 203 and 204 (or a substitute); ENGL 101 and 202; PSYC 110. Grades must be C or above. A bachelor's degree is required to practice in Wisconsin and many other states.

Predental: BIOL 160, 385; CHEM 105 and 106 or 117, 325, 326; PHYS 203, 204; additional helpful courses: BIOL 210, 314, 317, 318, 319, 333, 370; CHEM 365; PSYC 260 or 315.

Premedical: BIOL 160, 210, 385; a biochemistry major or chemistry minor with CHEM 365 as the elective; PHYS 203 and 204; MATH 111 or 120 and 355; PSYC 110; SOC 101. Additional helpful courses: BIOL 312, 314, 317, 318, 319, 333, 373, 382, 387, 389

Premortuary: BIOL 160, 333, 385, 387; CHEM 105 and 106 (or 117); ACCT 210; MATH 355; CLS 295; PSYC 110; SOC 101.

Prenursing: For Pre-nursing majors, you will be assigned an adviser through the School of Health Care Professions, College of Professional Studies. A course of study will be designed to meet the prerequisite requirements for the professional nursing program of the university from which you intend to graduate. Common prerequisite courses include biology, chemistry, psychology, and math (statistics).

Preoptometry: At least 90 credits including: BIOL 160, 210, 317, 333, 373, 385, 387; CHEM 105 and 106 (or 117), 325, 326; MATH 111 and 355; PHYS 203, 204;

additional recommended courses are BIOL 373, 387; CHEM 365; PSYC 110, 260.

Prephysician's Assistant: BIOL 160, 333, 385, 387; CHEM 105 and 106 or 117, 220, 260; PSYC 110; MATH 111 or 355 (or both).

Preveterinary: BIOL 160, 210; chemistry minor with CHEM 365 as the elective; PHYS 203 and 204; MATH 355; freshman English; 6 credits of social science and humanities; additional helpful courses include BIOL 333, 362, 381 or 385, 387 and 388. If you are considering veterinary research, take at least some of BIOL 310, 314, 317, 318, 319, 382, 389, 433.

Courses in Biology

BIOL 100. Biological Principles and the Human Environment. 3 cr. Survey of biology emphasizing present and future relationships of humans to their environment. 2 hrs lec, 3 hrs lab per wk. No credit given for GDR or graduation if BIOL 101 is also taken. *Not accepted for biology major or minor.* GDR: NS; GEP: NSC (I, II, SUM)

BIOL 101. General Biology. 5 cr. Biological principles; survey wide variety of plant and animal life. 3 hrs lec, 3 hrs lab per wk. Addl evening test sections for major exams. GDR: NS; GEP: NSC (I, II)

BIOL 103. Microbes and Human Affairs. 3 cr. Microbes have influenced human history and impacted our lives in countless ways from global nutrient cycles to causing disease. Explore the science of microbiology and its effects on human affairs. Topics include cell structure, reproduction, disease and its prevention, global processes, and biotechnology. Current issues play an integral role in this course. The lab portion provides an inquiry-based approach to microbial growth, diversity, food spoilage and food production, antibiotics, the immune system, and genetic engineering. 2 hrs lec, one 2 hr lab per wk. Not applicable to the biology or biochemistry major. GDR: NS; GEP: NSC

BIOL 130. Introduction to Plant Biology. 5 cr. General biological principles with emphasis on growth, reproduction, structure, and functions of plants; morphology (form and structure) of typical plants. 3 hrs lec, 4 hrs lab per wk. GDR: NS; GEP: NSC (I, II)

BIOL 160. Introduction to Animal Biology. 5 cr. Anatomy, physiology, adaptation, and classification of animals; morphology and anatomy of various types of animals. 3 hrs lec, 3 hrs lab per wk. Addl 2-hour test sections 4 times during the semester. GDR: NS; GEP: NSC (I, II)

BIOL 202. Human Reproduction. 3 cr. Anatomical, physiological, and developmental aspects of human reproduction. Does not count toward biology major/minor. GDR: NS-BS; (I, II)

BIOL 210. Principles of Genetics. 3 cr. General principles of heredity and variation of plants and animals, including humans. Prereq: 101, 130, or 160. (I, II)

BIOL 270. Ecology and Evolution. 4 cr. Ecological processes from populations to biomes; evolution and its processes involved in generating biodiversity. And integration of molecular, cellular, organismal, ecological and evolutionary processes. Scientific method writing emphasized in lab. Designed for biology majors only. 3 hrs lec, 2 hrs lab. Prereq: 130, 160, and 210 (con reg)

BIOL 305. General Ecology. 3 cr. Interrelationships of plants and animals; ecosystem concepts; organization and distribution of biotic communities; application of ecological principles to human affairs. Prereq: 101; or 130 and 160. (I, II)

BIOL 306. Ecological Methods. 1 cr. Apply ecological methods in field and laboratory analyses of ecosystems. 3 hrs lab per wk. Not open to you if you have completed CNR Summer Field Experience. Prereq: Con reg in 305; or 305 and cons instr. (I, II)

BIOL 308/508. Plant Communities of the Upper Midwest. 2 cr. Survey biomes of upper Midwest, emphasizing plant communities. 2 hrs lec, 3 hrs lab for 8 wks. Field trips. Prereq: 305 or cons instr. (II)

- BIOL 309/509. Field Biology.** 3-4 cr. Introduction to specific ecosystems while exploring biotic and abiotic components and processes that structure communities within these ecosystems. Content is delivered through active on-site experiences within habitats: lectures, discussions of primary scientific literature, student presentations, quantitative sampling, hypothesis formulation and testing. Offered in Winterim and Summer. Subtitle will designate habitats explored. Off-campus course. Prereq: 101, or 130 & 160. (SUM) (WIN)
- BIOL 310/510. Plant Genetics.** 3 cr. Genetics of higher plants at the molecular, cellular, organismal, and population levels. 3 hrs lec per wk. Prereq: 210. (I)
- BIOL 311/511. General Principles of Organic Evolution.** 3 cr. Natural patterns (variation, classification, phylogeny, biogeography) and processes (genetic drift, natural selection, adaptation, speciation) that underlie the origin and diversification of life on earth. Philosophy of science and history of evolutionary theory. Character evolution and human evolutionary biology. Prereq: 130, 160 and 210; or cons instr. (I)
- BIOL 312/512. Human Genetics.** 4 cr. Study of human genes, their functions, mode of inheritance and mutations causing disorders. Includes human pedigree analyses, genetic testing, clinical manifestations and treatment, gene therapy, oncogenetics, case studies, and bioethical issues. 2 hr lec, 2 hr lab per wk. Prereq: 210. (II)
- BIOL 314/514. Cell Biology.** 4 cr. Structure and function of cells and organelles, including membrane structure and transport; biogenesis of mitochondria and chloroplasts; cell motility; DNA replication; protein synthesis and transport; mitosis; meiosis; cytokinesis; laboratory techniques including gel electrophoresis; phase-contrast microscopy; spectrophotometry; respirometry; radioisotope analysis; cell culture; chromosome banding; bacterial DNA transformation. 3 hrs lec, 3 hrs lab per wk. Prereq: 130, 160; CHEM 106 or 116. (I)
- BIOL 317/517. Developmental Biology.** 4 cr. Early developmental and physiological components of animal and plant species; gametogenesis, cell-cell interactions, induction effects, cell migration and organogenesis; how these processes influence developmental patterns. 3 hrs lec, 3 hrs lab per wk. Prereq: 160, CHEM 106 or 116. (II)
- BIOL 318/518. Principles of Molecular Biology.** 3 cr. Study of gene structure, function and control at the molecular level. Use molecular techniques to analyze nucleic acid and protein activity and diversity. 3 hrs lec per wk. Prereq: BIOL 210; CHEM 106 or 116; or cons instr. (I)
- BIOL 319/519. Techniques in Molecular Biology.** 1 cr. Laboratory to apply molecular techniques to investigate a variety of biological questions. Techniques may include DNA/protein fingerprinting, RFLP, blotting, PCR, and DNA sequencing. 3 hrs lab per wk. Prereq: BIOL 210; CHEM 106 or 116; or cons instr. (I)
- BIOL 322/522. Museum Methods.** 3 cr. Preparation, use, and care of natural history materials for research and exhibition; prepare educational programs for museums, nature centers, and schools. For teachers and those interested in museum or nature center professions. 6 hrs lab per wk. Prereq: Cons instr. (II)
- BIOL 323/523. Paleontology Collecting Field Trip.** 3 cr. Two-week field course to collect plant and animal fossils. Lectures describe geology, paleoecology, and history of areas traveled. Special fee covers transportation, dig and camp fees. Prereq: Cons instr. (SUM)
- BIOL 325. Introduction to Biological Illustration.** 2 cr. Develop an appreciation for the modern forms and uses of illustration in biological publication. Learn to incorporate elements of positive and negative space, line stippling, and shading with black-and-white media (e.g. pen and ink, graphite) into your illustrations on biologically themed subject matter. Create biological illustrations with colored media and with digital media. Assessment will be based on student group or instructor critiques (oral and written) of assignments and portfolio items. Prereq: 100, 101, 130, or 160
- BIOL 326/526. Electron Microscope Techniques.** 3 cr. Fixing, embedding, microtomy, and staining biological tissues for transmission and scanning electron microscopy; electron microscope use and basic photographic darkroom techniques. 1 hr lec, 6 hrs lab per wk. Prereq: 130, 160, CHEM 106 or 116; and cons instr.
- BIOL 330/530. Plant Morphology.** 4 cr. Form and structure of plants and plant parts, both vegetative and reproductive. 3 hrs lec, 3 hrs lab per wk. Prereq: 101 or 130. (A, II)
- BIOL 331/531. Plant Anatomy.** 4 cr. Internal structures of vascular plants, emphasizing development, function, and evolutionary history. 2 hrs lec, 4 hrs lab per week. Prereq: 101 or 130.
- BIOL 333/533. General Microbiology.** 4 cr. Morphology, physiology, classification, cultivation of bacteria and viruses, with introduction to microbial genetics, pathogenesis, and immunology. 2 hrs lec, 4 hrs lab per wk. Prereq: 101, 130, or 160; and CHEM 106 or 116. (I, II, SUM)
- BIOL 335/535. Mycology.** 4 cr. Taxonomy, morphology, physiology, and ecology of fungi; role of fungi in disease, industry, decomposition, food production, and biological research. 2 hrs lec, 4 hrs lab per wk. Prereq: 130 or cons instr. (A, I)
- BIOL 337/537. Plant Pathology.** 3 cr. Causes, symptoms, spread, and control of plant diseases. 2 hrs lec, 3 hrs lab per wk. Prereq: 130. (A, I)
- BIOL 338/538. Phycology.** 4 cr. Taxonomy, morphology, and ecology of algae with emphasis on local species. Field collections, small group experiments, lab analysis of field and cultured samples, and discussion of current algal research literature. 3 hrs lec, 3 hrs lab per wk. Prereq: 130, CNR or biology major or written cons instr. (I)
- BIOL 339/539. Bryology and Lichenology.** 2 cr. Taxonomy, morphology, and ecology of bryophytes and lichens with emphasis on local species. 1 hr lec, 3 hrs lab per wk. Prereq: 101 or 130.
- BIOL 342/542. Vascular Plant Taxonomy.** 4 cr. Survey major groups with emphasis on identification, classification, and evolution of flowering plants. 2 hrs lec, 4 hrs lab per wk. Prereq: 101 or 130. (I, II)
- BIOL 345/545. Agrostology.** 2 cr. Structure, identification, classification, and evolution of grasses and grass-like plants. 1 hr lec, 2 hrs lab per wk. Prereq: 101 or 130. (A, I)
- BIOL 347/547. Aquatic Vascular Plants.** 2 cr. Taxonomy and ecology of aquatic vascular plants with emphasis on local species of freshwater angiosperm. 1 hr lec, 3 hrs lab per wk. Prereq: 101 or 130.
- BIOL 350. Tree Physiology.** 3 cr. Mechanisms behind woody plant growth and function. Woody plant interactions with the biosphere, lithosphere, hydrosphere, and atmosphere. Applications of plant physiology to trees and forest systems. Prereq: 130 and CHEM 101 or 105. (II)
- BIOL 351/551. Plant Physiology.** 4 cr. Plant-soil-water relations, transport, mineral nutrition, plant biochemistry, and the environmental and hormonal control of plant growth and development. 3 hrs lec, 3 hrs lab per wk. Prereq: 130; CHEM 106 or 116. (II)
- BIOL 352. Chemistry of Plant Natural Products.** 3 cr. Study chemicals made by plants useful as nutrients, pharmaceuticals, industrial chemicals and biofuels. Prereq: CHEM 220 or 325.
- BIOL 353/553. Ethnobotany.** 3 cr. Impact of plants on human culture with emphasis on local useful plants. Field trips, hands-on lab activities, movies, readings, discussion, final project. 2 hrs lec, 2 hrs lab per wk. Prereq: 130. (A, I)
- BIOL 355/555. Plant Ecology.** 4 cr. Plant adaptations and responses to environmental variation; structure, microenvironments, and succession of plant communities. Prereq: 305 or cons instr. (I)
- BIOL 361/561. Aquatic Invertebrate Zoology.** 3 cr. Classification, structure, and life history of lotic and lentic freshwater invertebrates (exclusive of insects and parasites) with emphasis on Wisconsin species. 2 hrs lec, 2 hrs lab per wk. May not earn credit in both BIOL 361 and WATR 361. Prereq: 101 or 160. (I)

- BIOL 362/562. Animal Parasitology.** 4 cr. Structure, classification, and life histories of animal parasites. 2 hrs lec, 4 hrs lab per wk. Prereq: 101 or 160. (I)
- BIOL 367. General Entomology.** 4 cr. Structure, classification, and natural history of insects, with practice in collecting, mounting, and identification. Two hrs lec; four hrs lab per wk. Prereq: 101 or 160.
- BIOL 370/570. Comparative Vertebrate Anatomy.** 4 cr. Structure and evolutionary relationships of vertebrates. 2 hrs lec, 4 hrs lab per wk. Prereq: 160. (II)
- BIOL 373/573. Comparative Vertebrate Histology.** 4 cr. Microscopic structure and function of vertebrate (primarily mammalian) cells, tissues and organs. 2 hrs lec, 4 hrs lab per wk. Prereq: 160; 281, 285, 370 or 387 are recommended but not required). (II)
- BIOL 374/574. Ichthyology.** 4 cr. Classification and natural history of fishes, with emphasis on Wisconsin food, game, and forage fishes. 2 hrs lec, 4 hrs lab per wk. Prereq: 101 or 160. (I, II)
- BIOL 375/575. Fisheries Ecology.** 3 cr. Analysis of the interactions, ecology, life history, and origins of fish populations and communities. 2 hrs lec, 2 hrs lab per wk. Prereq: 160; 305 or con reg. (II)
- BIOL 376/576. Herpetology.** 3 cr. Reptiles and amphibians; research methods and identification of species found in North America. 2 hrs lec, 3 hrs lab per wk. Prereq: 101 or 160. (II)
- BIOL 377/577. Ornithology.** 3 cr. Avian taxonomy, morphology, life histories, ecology, research methods. Identify world bird orders and local species. 2 hrs lec, 3 hrs lab per wk. Prereq: 101 or 160. (II, SUM)
- BIOL 378/578. Mammalogy.** 3 cr. Taxonomy, zoogeography, life history, ecology of mammals; field work. 2 hrs lec 2 hrs lab per wk. (I)
- BIOL 380/580. Principles of Aquaponics.** 2 cr. General principles of the integrated science of aquaponics, the combination of aquaculture (fish culture) and hydroponics (soilless plant culture). Introductory knowledge of aquaponic systems, biological functions, food production, socio-economics and marketing. 2 hrs lec. per wk. May not earn credit in both 380/580 and 384/584. Prereq: 101 or 130 and 160; or cons instr.
- BIOL 381. Animal Physiology.** 4 cr. Normal functions of organ systems in wild and domestic vertebrates and invertebrates. 3 hrs lec, 3 hrs lab per wk. Prereq: 101 or 160; CHEM 101 or 105 (or equiv). Does not count for major if BIOL 385 (or equiv) is counted. (I, II)
- BIOL 382/582. Endocrinology of Mammals.** 3 cr. Anatomy and physiology of major endocrine glands, primarily in mammals; hormonal control systems; biosynthesis, transport, and molecular actions of hormones; common endocrine diseases; current laboratory assay methods; current advances in hormone research. Guest lecturers. Prereq: 281 or 285; CHEM 106 or 116; organic chemistry recommended. (A, II)
- BIOL 383/583. Biology of Reproduction.** 3 cr. Survey of mammal reproduction with emphasis on human reproduction, including sexual development and behavior, fertilization, pregnancy, parturition (birth), lactation, natural and synthetic control of contraception and fertility. 3 hrs lec per wk. Prereq: 281 or 285; CHEM 105; or cons instr. (A, II)
- BIOL 384/584. Introduction to Aquaponics.** 3 cr. Biological system designs, production techniques and methods for the integrated science of aquaponics, the combination of aquaculture (fish culture) and hydroponics (soilless plant culture). Foundational knowledge of aquaponic food production, crop selection, good agriculture & best management practices, and economics & marketing. 2 hrs lec per wk, 18 total hrs lab. May not earn credit in both 380/580 and 384/584. Prereq: 101 or 130 and 160; or cons instr.
- BIOL 385. Human Physiology.** 4 cr. Normal functions of organ systems in humans; fulfills physiology requirements for biology, human development and nutritional sciences, physical education majors, and is recommended as preprofessional for medical or allied health fields. 3 hrs lec, 3 hrs lab per wk. Prereq: 101 or 160; CHEM 101 or 105 (or equiv). Does NOT count for major if BIOL 381 (or equiv) is counted. GDR: NS (I, II)
- BIOL 386/586. Aquaculture/Fish Culture.** 3 cr. Introduction to the culture of finfish, methods of production, environmental and ecological considerations, selective breeding, nutrition, diseases, processing and marketing. 2 hrs lec, 2 hrs lab per wk. May not earn credit in both BIOL 386 and WATR 386. Prereq: 101 or 160, and 210. (I)
- BIOL 387/587. Human Anatomy (formerly 286).** 4 cr. Examine human anatomy using models, X-rays, charts, computer animations, and prosected cadaver demonstrations. Complements Biol 285 to provide general background in human structure and function. For students preparing for health care careers. 3 hrs lec, 3 hrs lab per wk. Prereq: 160 and so st. (I, SUM)
- BIOL 388/588. Animal Behavior.** 3 cr. Comparative study of animal behavior; description, classification, analysis, and evolution of behavioral patterns of vertebrates. Also social behavior and underlying mechanisms. 2 hrs lec, 3 hrs lab per wk; individual term project. Prereq: 160. (A, II)
- BIOL 389/589. Immunology.** 3 cr. Study of the molecular and cellular components that comprise the immune system, including their function and interactions with body systems. Applications of immunology to bioassays, customized antibodies, immune therapy, vaccination, and cancer biology are also discussed. Prereq: 381 or 385.
- BIOL 399/599. Independent Studies.** 1 or 2 cr. Upper division students may arrange for advanced work (including field and laboratory work where approp) not covered in regular courses. Categories include research; collection and identification of plants or animals; advanced readings; biological methods. Prereq: Cons approp faculty and chair. (I, II, SUM)
- BIOL 400. Communication in Research (with various subtitles in Biology).** 1 cr. Guidance in scientific writing for students continuing or completing their independent study (BIOL 399) project. Requirements include either the beginning or completion of a research paper, depending on the progress of your research, and a presentation of your research experience. Students meet as a group 1 hr/wk with instructor. Prereq: 399. Cons instr and chair. May not be repeated.
- BIOL 415/615. Advanced Microbiology.** 3 cr. Biochemical cytology, physiology and genetics of microorganisms with research and applications. 2 hrs lec, 3 hrs lab per wk. Prereq: 333/533 or cons instr. (II)
- BIOL 420/620. Protein Purification Workshop.** 1 cr. Theory and practice of chromatographic, fluorometric, spectrophotometric, and electrophoretic techniques used to purify, quantify, and characterize Green Fluorescent Protein from a total protein extract of recombinant bacteria. 3 hrs lec, 18 hrs lab over 21/2 days. Prereq: Jr/Sr st and cons instr.
- BIOL 428/628. Scanning Electron Microscope Workshop.** 1 cr. Learn basic sample preparation, operation of the scanning electron microscope, and the preparation of stereo 3D images and annotated slides for presentation at a post-workshop meeting of the class and guests. Prereq: 160, interest in using SEM in student research, and cons instr.
- BIOL 448. Research Practicum in Horticulture.** 2 cr. Gain experience in research and analytical skills by designing and executing an original horticultural research project; writing a research proposal, keeping a research journal, and analyzing their results.
- BIOL 451. Biochemical Conversions to Biofuels.** 3 cr. Biochemical processes used to convert cellulose, starch or lipids into liquid or gaseous fuels. Additional topics will include photosynthetic production of hydrogen and hydrocarbons. Prereq: PSEN 450.

BIOL 477/677. Raptor Ecology. 2 cr. Get acquainted with technical literature, taxonomy, species identification, behavioral, population, and conservation ecology regarding birds of prey. Prereq: 305.

BIOL 487/687. Survey in Human Dissection. 1 cr. Additional study of human anatomy by dissecting a cadaver to provide prosected cadaver demonstrations for BIOL 387. Complements BIOL 387 with an introduction to cadaver dissection and review of human gross anatomy, but dissection is not exhaustive and is not the equivalent of a medical school dissection. 3 hr lab per wk. Prereq: 387 with a grade of B+ or better and cons/invitation instr.

BIOL 490. Senior Seminar (with various subtitles in Biology). 2 cr. Reserved for Biology and Biochemistry majors as a capstone experience that emphasizes written and oral communication. Oral communication includes discussion of a current area in biology (topics vary with instructor). Examine and critically review scientific literature in that area, write a paper on a subject in that area, and present a seminar to the class on your chosen subject. Written assignments will include peer and instructor evaluations and revisions. May not repeat. Prereq: 490; Biology and Biochemistry majors only; BIOL 270 or CHEM 365; sr st. and cons instr. (I, II)

BIOL 498/698. Selected Topics in Biology. 1-4 cr. Major concepts in an area of biology. Subtitle will designate area. Prereqs, lab and lec hrs will vary by topic. May repeat for credit with different subtitles. (I, II)

BIOL 499. Biology Internship. 1-4 cr. Supervised training programs in biology coordinated by faculty with private or public agencies. 1 cr for 2-4 wks (40 hrs per wk) of work. Addl requirements set by instr. Credit set by internship committee. May repeat with different experience, but max 4 cr count for major. Prereq: Cons intern committee and instr. (SUM)

BIOL 796. Independent Study. 1-3 cr. Planned reading to supplement preparation and mechanics of student specialty. May repeat as topic changes. Prereq: Cons instr.

BIOL 798. Portfolio. 2-4 cr. Submission and analysis of appropriate publications, professional activities, and accomplishments. Prereq: Cons portfolio/grad committee.

BIOL 799. Thesis. 2-6 credits.

Biology Latent Courses: Not offered recently. See full course description in indicated (xx-xx) catalog.

140	Edible and Poisonous Plants, 2 cr, (03-05)
320/520	Biological Techniques, 4 cr, (05-07)
321/521	Biological Computing, 3 cr, (05-07)
332/532	Paleobotany, 3 cr, (11-13)
344/544	Trees and Shrubs, 3 cr, (07-09)
346/546	Essentials of Horticulture, 3 cr, (09-11)
357	Principles of Plant Community Distribution, 1 cr, (03-05)
360/560	Invertebrate Zoology, 4 cr, (99-01)
372/572	Biology of Vertebrates, 1-4 cr, (05-07)
379/579	Field Zoology, 3 cr, (11-13)
790	Graduate Seminar, 1 cr, (07-09)

Courses in Biology Education

BIED 398. Student Teaching in Biology. Variable cr; pass/fail. Observe and teach in secondary school classroom under guidance of cooperating teachers and university faculty in actual classroom situations. Prereq: Completion of DPI certified major/minor and DPI education requirements.

BIED 400. Seminar on Teaching for Student/Intern Science Teachers. 1 cr pass/fail. Structured group discussions on aspects of teaching that emerge during full-time field experiences and professional portfolio development. Prereq: Con reg in BIED 398 or 498 or EDUC 398 or 498

BIED 498. Intern Teaching. Variable cr; pass/fail. Structured field experiences in approved school programs. Interns are certified by the DPI and are employed under contract with schools to design, deliver, and assess instructional programs. Prereq: Completion of all methods courses and 75% of content courses in approp major. Con reg in approp section of EDUC 400 may be required.

Courses in Marine Biology

The following courses are offered at the Gulf Coast Research Laboratory in Ocean Springs, Mississippi. You may transfer the credits to UW-Stevens Point. Contact the Biology Advising Office for more information or visit the GCRL website.

Marine Phycology, 4 cr.

Marine Invertebrate Zoology, 6 cr.

Marine Ichthyology, 6 cr.

Marine Science, 5 cr.

Fauna and Faunistic Ecology of Tidal Marshes, 4 cr.

Coastal Vegetation, 3 cr.

Marine Ecology, 5 cr.

Salt Marsh Plant Ecology, 4 cr.

Marine Fisheries Management, 4 cr.

Parasites of Marine Animals, 6 cr.

Marine Microbiology, 5 cr.

Marine Aquaculture, 6 cr.

Comparative Histology of Marine Organisms, 1-6 cr.

Special Problems in Marine Science, 1-6 cr.

Special Topics in Marine Science, 1-6 cr.

BIOFUELS ENGINEERING

See [Paper Science and Engineering](#).

BIOMEDICAL WRITING

See [English](#).

BIOTECHNOLOGY

See [Biology](#).

BOTANY

See [Biology](#).

BROADCASTING

See [Communication](#).

BROAD-FIELD NATURAL SCIENCE

See [Natural Science](#).

BROAD-FIELD SOCIAL SCIENCE

See [Social Science](#).

Business and Economics

(College of Professional Studies)

Gary Mullins, Head of School of Business and Economics

Room 420, College of Professional Studies

Phone: 715-346-4576

Email: dbe@uwsp.edu

Web: www.uwsp.edu/business

Central Wisconsin Economic Research Bureau

Randy Cray, Director

Room 434, College of Professional Studies

Phone: 715-346-2537

Center for Economic Education

Tracy Hofer, Director

Room 428, College of Professional Studies

Phone: 715-346-3874

The School of Business and Economics (SBE) offers programs in (1) accounting, (2) business administration, and (3) economics.

Faculty members of the school participate in research related to their areas of academic interest. In addition, each of us is involved in professional development activities through active memberships in professional societies and associations and community agencies.

To further enhance your career preparation when you major or minor in accounting, business administration, economics, we encourage you to expand your classroom work through active participation in student and professional clubs, societies, associations, and volunteer work related to your area of study. We also encourage you to participate in internships for experience in actual business environments.

We in the School of Business and Economics make every effort to notify current and prospective majors of new program standards. Depending on the nature of the program change, we may do so using email, Web pages, orientation sessions, the SBE advising office, faculty advisers, the catalog, and letters.

Abbreviations:

ACCT = Accounting; BUS = Business

COMM = Communication

CIS = Computer Information Systems

SBE = School of Business and Economics

ECON = Economics; FOR = Forestry

GEOG = Geography; MATH = Mathematics

NRES= Natural Resources;

PSYC = Psychology; WSTE = Waste

Admission to the School of Business & Economics Majors

All our majors (accounting, business administration, economics-social science, and economics-business economics) have a formal admission policy noted below.

You must apply for formal admission to your selected SBE major before completing 18 credits in the major. We recommend you declare your intent to pursue your SBE major:

- a. when you apply for admission to UW-Stevens Point
- b. when attending a freshman orientation meeting
- c. when attending a transfer-student orientation meeting

As an intended major, you can receive specialized advising from the SBE Advising Office and regular updates on events and deadlines.

If you wish to request consideration of exceptional circumstances, do so in writing to the SBE Admissions Committee.

We have designed the admission policies for the School of Business and Economics to support your success in your major. See the descriptions of specific majors for admissions requirements. See the School of Business & Economics Advising Office and website for application procedures, forms, and deadlines.

To switch majors or to pursue a second major within the school, apply for that major. See the descriptions of specific majors for admissions requirements. If you are switching majors within the SBE or adding a second SBE major, you may apply even if you already have over 18 credits in the new major, as long as you have met all other admission requirements.

Academic Standards for the School of Business & Economics

The following academic standards apply to all school majors (accounting, business administration, economics-social science and economics-business economics).

1. **In-major GPA:** If you have a major in our school (accounting, business, economics-social science, or economics-business economics), your in-major GPA is calculated based on **all courses** counting toward your major; this includes courses from other departments as well as from the SBE.

If you switch from one SBE major or minor to another, only courses applicable to the new program are included in your new in-major GPA calculation.

If you are a transfer student, all your grades (including grades of D and F) earned at another university for all classes required for a SBE major are included in the calculation of your in-major GPA.

2. **Satisfactory Progress:** As a student enrolled in a SBE major GPA standard (2.5 for Accounting or Business Administration or Economics – Business Option and 2.25 for Economics – Social Science Option) by the time you have completed 18 credits in your major.

Also maintain reasonable and satisfactory progress in completing the requirements of the major. Issues related to reasonable progress will be decided by the department chair.

If you have not attained the required in-major GPA by the time you have completed 18 credits in the major, you will be dropped from the major and will not be allowed to re-declare the major.

After you have completed 18 credits in your major, maintain your in-major GPA in good standing. If your in-major GPA drops below that major's standard for two consecutive regular semesters, you will be dropped from the major and will not be allowed to re-declare that major.

If you are dropped from your SBE major, you may submit a written petition for reinstatement to the Admissions Committee.

If you are having trouble maintaining an adequate GPA we encourage you to seek additional assistance from the Tutoring-Learning Center (TLC).

3. **Repeating courses:** You may request up to three courses in your SBE major in which you earn a D+, D, or an F. To do so, obtain on-line authorization to repeat from your adviser and the chair of the department in which the courses are offered

BEFORE registering for the courses. If you repeat a course at UW-Stevens Point, only the last grade is used in GPA calculations. Permission to repeat a SBE course is only granted after the close of the regular registration period.

See the policy on repeating courses in the [More Academic Information](#) section of this catalog.

NOTE: You may repeat, at other institutions, courses in which you received a grade of F but NOT courses in which you received a grade of D. The repeated course taken at another institution will satisfy the requirement left unsatisfied by the F. The original F will remain on your transcript.

4. **Pass/fail courses:** Any courses you take as pass/fail do not count toward any SBE major or minor.
5. **Degree and Major Requirements:** In addition to the requirements of your selected major(s), satisfy the General Education Program requirements (GEP) for your degree. See the [General Education Program \(GEP\)](#) section of this catalog for information on the requirements for each degree. Regardless of the type of degree earned, the requirements for any SBE major are the same.

Test-Out and Credit-by-Exam Policy for School of Business and Economics

You may earn credit-by-exam for ECON 110 and 111 through the appropriate CLEP examination. Register and pay fees for CLEP exams through the UW-Stevens Point Testing Service. To receive credit, score in the 50th percentile or higher on the appropriate exam.

For all other courses in the School of Business and Economics you may test-out, but not receive course credit. After you confer with the chair, a faculty member who teaches the course will prepare a comprehensive exam and inform you of the criteria for passing before you take the exam. A passing grade is at least five percent above the most recent class average. You may take a test-out exam only once. You are not eligible for test-out if you are currently enrolled in the course.

ACCOUNTING

Faculty: S Carey, R. Du, C Schalow

Majoring in accounting positions you for a challenging career in a changing global business environment. As an accounting student you may desire to work in the accounting department of an organization in industry, or choose public accounting. You may take a position in public accounting firms providing tax, auditing, and consulting services to your clients. If employed by a corporation or non-profit organization, you may work as part of the management team involved in decision-making and tax analysis to provide reliable financial data.

If you desire to become a Certified Public Accountant (CPA), you must complete 150 credit hours of education

to qualify to sit for the CPA exam. The additional credits may be either undergraduate or graduate credits.

Admission to the Accounting Major

You must apply for admission to the Accounting major before you complete 18 credits toward the major. You must be admitted to the accounting major to register for some upper-level courses and to graduate with an accounting major.

Once you are accepted as an accounting major, you can receive specialized, one-on-one advising from school faculty or staff.

Minimum requirements: We encourage you to apply as soon as you have completed at least 10 credits toward the major.

If you are a transfer student: Apply before you complete 18 credits in the accounting major OR during your first semester at UW-Stevens Point.

Exceptions: If you wish to request consideration of exceptional circumstances, do so in writing to the SBE Admissions Committee.

Academic Standards for Accounting

To graduate with a major or minor in accounting, successfully complete all required courses in the major or minor and achieve a cumulative grade point average of 2.5 or higher in all major/minor required courses. See [Academic Standards for the School of Business & Economics](#) for more information on GPA requirements and for the School of Business & Economics repeat policy.

Accounting Major (Bachelor of Science)

In the accounting major, you complete courses in core accounting content and methodology, as well as courses in business and economics. Upon completing the accounting major, you will be prepared to work professionally in accounting and the business world.

Successfully complete a minimum of 73-75 credits in categories 1 through 4 below. Completing the requirements below will satisfy the Communication in the Major requirements:

1. **Foundation:** Complete 16-17 credits **BEFORE** taking any additional 300-400 level courses, including "core" courses.
 - a. One calculus course: MATH 111 or 120 (3-4 credits)
 - b. CIS 102 (spreadsheet) (1 credit)
 - c. ACCT 210 and 211 (6 credits)
 - d. ECON 110 and 111 (6 credits)
2. **Business Core:** 27-28 credits: MATH 355 or other approved statistics course (3-4 credits); Communication in the Major: BUS 300, 301; BUS 325, 330, 340, 350, 360; Capstone Experience: 480.
3. **Accounting Core:** 24 credits: ACCT 310, 311, 321, 330, 331, 370, 410, 450.
4. **Electives,** 6 credits: two courses from ACCT 390, 490, 497; BUS 341, 352, 353, 355, 356, 455.

The Accounting Minor

You may declare the accounting minor by submitting the SBE Change Major form from the SBE webpage to the SBE Advising Office. Admission to the accounting minor is available to all students but does not guarantee access to all upper-level courses.

Successfully complete 24 credits:

1. **Required core**, 21 credits: ACCT 210, 111, 310, 321, 330, 370; BUS 350.
2. **Electives**, 3 credits: ACCT 311 or 331.

BUSINESS ADMINISTRATION

Faculty: K Bahr, CR Marshall, E Martin, L Matesi, C McChrystal, M Meyers, B Mihm, G Mullins, D Schalow, E Wu.

Admission to the Business Administration Major

You must apply for admission to the Business Administration major before you complete 18 credits toward the major. You must be admitted to the business administration major to register for some upper-level courses and to graduate with a business administration major.

Once you are accepted as a business administration major, you can receive specialized, one-on-one advising from the school faculty or staff.

Minimum requirements: We encourage you to apply as soon as you have completed at least 10 credits toward the major.

If you are a transfer student: Apply before you complete 18 credits in the business administration major OR during your first semester at UW-Stevens Point.

Exceptions: If you wish to request consideration of exceptional circumstances, do so in writing to the SBE Admissions Committee.

Academic Standards for Business Administration

To graduate with a major or minor in business administration, successfully complete all required courses in the major or minor and achieve a cumulative grade point average of 2.5 or higher in all your major/minor courses. See [Academic Standards for the School of Business & Economics](#) for more information on GPA requirements and for the School of Business & Economics repeat policy.

Business Administration Major (Bachelor of Science)

In the business major you complete courses in core business content and methodology, as well as courses in accounting and economics. Upon completing the business major, you will be prepared to work professionally in the business world.

Successfully complete a minimum of 51-53 credits in categories 1 through 2 below as well as a minor, second major, or area of concentration as described below in

category 3. Completing the requirements below will satisfy the Communication in the Major and Capstone Experience requirements:

1. **Core:** In general, try to complete the core classes in approximately this sequence. The courses near the beginning of the list serve as prerequisites for courses near the end of the list.
 - a. One calculus course: MATH 109, 111 or 120 (3-4 credits). If you anticipate doing advanced study in a field such as Actuarial Science, you should take 120.
 - b. ECON 110 and 111 (6 credits).
 - c. ACCT 210 and 211 (6 credits).
 - d. MATH 355 or other approved statistics course (3-4 credits).
 - e. Communication in the Major: BUS 300 and 301 (6 credits).
 - f. BUS 325 (3 credits).
 - g. BUS 330 (3 credits).
 - h. BUS 340 (3 credits).
 - i. BUS 350 (3 credits).
 - j. BUS 360 (3 credits).
 - k. BUS 370 (3 credits). If you are completing an Accounting major, you must substitute ACCT 370.
 - l. Global business and economy elective (3 credits). Take one of BUS 327, 339, 342, 357; an international experience selected from BUS 493, 496, or other approved international experience; ECON 362, 365; ACCT 410.
Classes you take as part of areas of concentration (a) through (e) below (finance, insurance, and real estate [FIRE], management, marketing, entrepreneurship, international business) may satisfy this requirement.
 - m. Capstone Experience (3 credits). If you are completing an Accounting major, an Economics: Business Economics Option major, a general Business major, or a Business major with an area of concentration, you must take BUS 480.
2. **Elective:** Any 3 credits in 300-400 level Business coursework or ECON 360. You may not take BUS 320, 497, 498, or 499 to satisfy this requirement. Classes you take as part of areas of concentration (a) through (e) below (finance, insurance, and real estate [FIRE], management, marketing, entrepreneurship, international business) satisfy this requirement.
3. **Minor, second major, or area of concentration:** In addition to required courses for the major, complete ONE of the following: (1) a minor, (2) a second major, or (3) an area of concentration (of not less than 18 credits that have been approved by the School of Business and Economics).
Minor: You may use any UW-Stevens Point minor other than the business minor to satisfy this requirement. We encourage you to consider a minor in accounting, or economics.
Second major: You may use any UW-Stevens Point major other than the business major to satisfy this

requirement. We encourage you to consider a major in accounting, economics-social science, or economics-business economics.

Areas of concentration: Areas of concentration (a) through (e) below (finance, insurance, and real estate [FIRE], management, marketing, entrepreneurship, international business) require 21 credits. At least 15 of these credits must be from Business courses listed in the area of concentration; up to 6 credits can be from non-Business courses listed in the area of concentration. Earn at least a 2.5 GPA in courses in the concentration.

To complete a second area of concentration, complete at least 15 additional credits.

These are approved areas of concentration:

- a. **FIRE (Finance, Insurance & Real Estate)**, 21 credits. Select 21 credits from: BUS 221, 343, 344, 352, 353, 354, 355, 356, 357, 390, 455, 493, 496; approved BUS 490 classes; ECON 272, 310, 360; ENGL 351, MATH 362.
- b. **Management**, 21 credits:
 - 1) Required: BUS 322.
 - 2) Select 18 credits from: BUS 221, 321, 324, 325, 326, 327, 329, 333, 341, 342, 344, 390, 493, 496; approved BUS 490 classes; ACCT 321; ECON 272, 310, 330, 340, 345, 346, 370, 420; COMM 342, 343, 345, 349 (Prereq for these Communication courses is COMM 240); PSYC 345 (Prereq is PSYC 110); ENGL 351.
- c. **Marketing**, 21 credits:
 - 1) Required: BUS 331, 337.
 - 2) Select 15 credits from: BUS 221, 329, 333, 335, 336, 339, 493, 496; approved BUS 490 classes; ECON 310, 330, 340; COMM 336; ENGL 351.
- d. **Entrepreneurship**, 21 credits:
 - 1) Required: BUS 221, 321, 421.
 - 2) Select 12 credits from: ACCT 330 (Pre/Coreq ACCT 310), 331 (Prereq ACCT 330); BUS 324, 328, 329, 331, 333, 335, 390, 493, 496; approved BUS 490 classes; ECON 272, 310, 340, 345, 370, 420; ENGL 351.
- e. **International Business**, 21 credits:
 - 1) Required: BUS 327, 357, and an international experience selected from 493, 496, or other approved international experience.
 - 2) Select 15 credits from: BUS 339, 342, 357, 390, 493, 496; approved BUS 490 classes; ECON 310, 362, 365; GEOG 325, 327, 328; POLI 388; Foreign Language Courses 200 level or above OR Foreign Language courses numbered 200 or above (Limited to 2 classes in the same foreign language; language placement does not satisfy this requirement); ENGL 351.

- f. **Forest Recreation**, 18-22 credits:
 - 1) Required: FOR 334, 335, 381 (3 cr), 394, 485.
 - 2) Select 6-9 credits from: FOR 385, 480; NRES 367, 368, 382, 383, 388, 474.
- g. **Soil Science**, 18 credits:
 - 1) Required: NRES 251, 373; SOIL 461.
 - 2) Select remaining credits from: SOIL 362, 363, 364, 365, 465; NRES 335, 336; WSTE 380, 382, 476, WATR 382, PSEN 382, and other related courses approved by the College of Natural Resources Associate Dean.
- h. **Foreign Language**: Cross-cultural experience for students planning to work in international or multicultural environments. Emphasizes practical language skills and knowledge of appropriate cultural forms and behavior.
 - 1) **French**, 20 credits: FREN 211-212, 313, 314, 355, and 340 or 345.
 - 2) **German**, 20 credits: GERM 211-212, 313, 314, 355, and 340 or 345.
 - 3) **Spanish**, 20 credits: SPAN 211-212, 313, 314, 355, and 340 or 345.
- i. **Wood Products Industry**, 18 credits:
 - 1) At least 8 credits from FOR 370, 428, 429 (at least 6 cr), 499; BUS 496, 497, 498, 499 (forest products subtitle).
 - 2) At least 5 credits from FOR 232, 322, 335, 381; NRES 150, 151, 320, 357, 404; PSEN 101.
 - 3) Three credits from BUS 321, 324, 336, 341; ECON 342.

Business Administration Minor

Successfully complete 24 credits:

1. Required: ACCT 210, ECON 110, and BUS 320 and 330.
2. Electives: Minimum of 12 credits in business administration courses at the 200-400 level not including BUS 496, 497, 498, 499. ECON 272 also counts as an elective in the business minor.

Collaborative Degree Program – Business Administration

UW-Marathon in Wausau has joined with UW-Stevens Point to offer a bachelor's degree with a major in Business Administration. Students can attend classes at UW-MC. A combination of face-to-face instruction and distance learning technologies are used to offer upper level courses. You must have accumulated 30 freshman and sophomore credits at an accredited college or university to enter the program. For more information call the College of Professional Studies Continuing Education office at 715-346-4324.

ECONOMICS

Faculty: R Cray, J Davis, T Hofer, K Neuman, HS Wallace, Z Zhang.

Admission to the Economics Major: Social Science and Business Economics Option

You must apply for admission to the Economics major before you complete 18 credits toward the major. You must be admitted to the economics major to register for some upper-level courses and to graduate with an economics major.

Once you are accepted as an economics major, you can receive specialized, one-on-one advising from school faculty or staff.

Minimum requirements: We encourage you to apply as soon as you have completed at least 10 credits toward the major.

If you are a transfer student: Apply before you complete 18 credits in the economics major OR during your first semester at UW-Stevens Point.

Exceptions: If you wish to request consideration of exceptional circumstances, do so in writing to the SBE Admissions Committee.

Academic Standards for Economics

To graduate with a major or minor in economics, successfully complete all required courses in the major or minor and achieve a cumulative grade point average of 2.25 or higher for the Social Science Option or Minor and 2.50 or higher for the Business Economics Option in all your major/minor courses.

See [Academic Standards for the School of Business & Economics](#) for more information on GPA requirements and for the School of Business & Economics repeat policy.

Economics Major: Social Science Option (Bachelor of Science)

In the economics major, you complete courses in core economic content and methodology, as well as courses in basic mathematical techniques and advanced economic statistics. Upon completing the economics major, you will be prepared to work in economics and the business world.

Successfully complete a minimum of 42-44 credits with a cumulative GPA of 2.25 or higher in categories 1 through 4 below. Completing the requirements below will satisfy the Communication in the Major and Capstone Experience requirements.

1. **Foundation:** Complete 15-17 credits BEFORE taking "core" courses.
 - a. Theoretical and institutional, 9 credits: ECON 110, 111; ACCT 210.
 - b. Quantitative, 6-8 credits: MATH 355 or other approved statistics course and MATH 109, 111 or 120.

2. **Core:** Complete 12 credits: ECON 310, 350, 360, 361
3. **Electives:** Complete 12 credits.
 - a. Communication in the Major electives, 3 credits: Choose from ECON 362, 420.
 - b. General electives, 9 credits: Choose from economics courses NOT including 100. Note that BUS 352 and 353 both count as economics electives.
4. Capstone Experience: 3 credits: ECON 450 (also satisfies 3 credits of the Communication in the Major requirement).

If you plan to pursue graduate work in economics, we advise you to take MATH 120 and 121 in place of 109.

Economics Major: Business Economics Option (Bachelor of Science)

In the economics major, you complete courses in core economic content and methodology, as well as courses in basic mathematical techniques and advanced economic statistics. Upon completing the economics major, you will be prepared to work in economics and the business world.

Successfully complete a minimum of 69-71 credits with a cumulative GPA of 2.50 or higher in categories 1 through 3 below. Completing the requirements below will satisfy the Communication in the Major and Capstone Experience requirements.

1. **Core:** Complete 48-50 credits. In general, try to complete the core classes in approximately this sequence. The courses near the beginning of the list serve as prerequisites for courses near the end of the list.
 - a. One calculus course: MATH 109, 111 or 120 (3-4 credits).
 - b. ECON 110 and 111 (6 credits).
 - c. ACCT 210 and 211 (6 credits).
 - d. MATH 355 or other approved statistics course (3-4 credits).
 - e. Communication in the Major: BUS 300 and 301 (6 credits).
 - f. BUS 325 (3 credits).
 - g. BUS 330 (3 credits).
 - h. BUS 340 (3 credits).
 - i. BUS 350 (3 credits).
 - j. BUS 360 (3 credits).
 - k. BUS 370 (3 credits).
 - l. Global business and economy elective (3 credits). Take one of BUS 327, 339, 342, 357; an international experience selected from BUS 493, 496, or other approved international experience; ECON 362, 365; ACCT 310.

Classes you take as part of the electives below may satisfy this requirement.

2. **Complete 12 credits:** ECON 310, 350, 360, 361.
3. **Electives:** Complete 9 credits in additional economics courses, NOT including ECON 100. Note that BUS 352 & 353 both count as economic electives.

4. **Capstone Experience: BUS 480 (3 credits).** You may take only one of the other core classes at the same time as a capstone class.

If you plan to pursue graduate work in economics, we advise you to take MATH 120 and 121 in place of 109.

Teacher Certification: See information about the Professional Education Program and the secondary education curriculum for teacher certification in the [Education](#) section of this catalog.

Economics Minor

Successfully complete 21-22 credits with a cumulative GPA of 2.25 or higher in categories 1 through 3 below:

1. **Foundation:** 9-10-credits: ECON 110, 111, MATH 355 or other approved statistics course.
2. **Electives:** 12 credits of additional economics courses, NOT including ECON 100. Both BUS 352 and BUS 353 count as economics electives.
3. **Economics minor for teacher certification:** Complete at least 24 credits in economics. Take 6 courses in addition to those in the Foundation above. We also recommend you take HIST 176 and 177 as electives and in partial fulfillment of the general education requirements.

Courses in Accounting

ACCT 210. Introductory Financial Accounting. 3 cr. Principles, concepts, and procedures of financial accounting essential to the preparation, understanding, and interpretation of accounting information. May not be taken for credit after 310. Prereq: So st.

ACCT 211. Introductory Managerial Accounting. 3 cr. Decision-making process using managerial accounting information; cost-volume-profit analysis, cost accounting systems, budgeting, and performance evaluations. May not earn credit in both 211 and 320. Prereq: 210 or cons instr.

ACCT 290. Special Topics in Accounting. Variable cr. Subtitle will designate topic.

ACCT 299. Special Work. You may arrange for independent study with cons school head. Credit based on scope of project.

ACCT 310. Intermediate Financial Accounting I. 3 cr. Concepts, elements, and generally accepted accounting principles associated with financial statements, including income measurement and valuation of assets and equities. Prereq: 210.

ACCT 311. Intermediate Financial Accounting II. 3 cr. Continued study of concepts and principles underlying financial statements, including leases, pensions, income tax allocations, earnings per share and changes in accounting principle application. Prereq: 310.

ACCT 321. Cost Accounting. 3 cr. Planning, control and analysis of production and marketing costs through budgeting and standard cost accounting techniques, including variance analysis and inventory management; revenue and cost allocations; strategic planning and the balanced scorecard. Prereq: 211.

ACCT 330. Federal Individual Income Taxes. 3 cr. Examine Federal Income Tax Law as it applies to individuals. Includes general concepts, tax return preparation and tax research methods. Prereq: 310 or con reg 310.

ACCT 331. Federal Business Income Taxes. 3 cr. Examine Federal Income Tax Law as it applies to C corporations, S corporations, limited liability companies, partnerships and fiduciaries. Includes general concepts, tax return preparation, tax research methods. Prereq: 310 and 330.

ACCT 370. Accounting Information Systems. 3 cr. Introduction to the concepts, objectives and importance of properly designed accounting information systems. Extensive study of internal controls including systems documentation. May not earn credit in both 370 and BUS 370. Prereq: 310 or con reg.

ACCT 390. Ethics in Accounting and Business. 3 cr. Principles of ethics and professional responsibility applied to specific workplace situations and business activities. Explore interplay between corporate culture, professional codes of conduct and individual behavior. Develop, clarify, communicate and defend positions on corporate conduct. May not earn credit in both ACCT 390 and BUS 390. Prereq: 210 and BUS 320 or 325, or cons instr.

ACCT 400. The Accounting Profession. 1 cr. History and development of the accounting profession; professional employment, conduct, organizations, ethics, mores, and publications. Prereq: Cons instr.

ACCT 410. Advanced Financial Accounting (formerly 312). 3 cr. The international accounting environment, multicurrency transactions and investments, governmental and other not-for-profit entities, mergers and parent-subsidiary relationships, SEC reporting, and partnerships. Prereq: 311.

ACCT 420. Seminar in Managerial Accounting. 3 cr. Measurement and analysis of accounting data appropriate to managerial planning and decision making, cost determination, performance evaluation and control. Emphasis on the identification and utilization of performance measures and controls that drive results consistent with corporate strategies. Prereq: Cons instr.

ACCT 450. Auditing (formerly 350). 3 cr. Critical examination of evidence supporting financial statements, internal control, working papers, statistical sampling, nonfinancial attestation services, audit reports, and professional standards. Prereq: 311, 370; MATH 355.

ACCT 497. Internship in Accounting. Cr arranged. Supervised training work program in a cooperating agency or business. Credit set by chair and acct faculty. Prereq: Cons chair. GEP: XL

ACCT 498. International Internship. 1-12 cr. Supervised training work program in an international agency or business located outside the United States. Credit set by chair and acct faculty. Prereq: Cons chair. GEP: XL

ACCT 499/699. Special Work. Upperclass or graduate students may arrange for independent study with cons chair. Credit based on scope of project. Prereq: Cons chair.

Accounting Latent Courses: Not offered recently. See full course description in indicated (xx-xx) catalog.

490 Special Topics in Accounting, cr arranged, (07-09)

Courses in Business

BUS 221. The Entrepreneurial Path. 3 cr. Open to all students in all majors. Introduction of entrepreneurship as both a personal journey and a new venture creation process. Examines desirable entrepreneurial attributes and competencies as well as the demands and rewards of pursuing an entrepreneurial path. Provides an overview of the new venture creation process including idea generation, opportunity identification, opportunity assessment, business modeling, and marketing and funding strategies. Concepts apply to large or small, not-for-profit and for-profit ventures.

BUS 293. Internship in China. 3 cr. Supervised training work program in cooperating agency in China, plus lectures in English. Does NOT apply to major/minor. Prereq: For NON-B&E majors only or cons intern dir. GDR: NW; GEP: GA

BUS 299. Special Work. Underclass students may arrange for independent study with cons chair. Credit based on scope of project.

BUS 300. Written Communication for the Business Professional. 3 cr. Gain a broad and comprehensive understanding of the importance of effective writing within the field of business. Focus on developing writing skills as a management and communication tool for business students. An analysis of the psychology, semantics, planning, and principles of effective business writing are covered. Skills will be developed and applied through a variety of individual projects applicable to business, including global situations. Prereq: 325 or con reg.

BUS 301. Oral Communication for the Business Professional. 3 cr. Gain a broad and comprehensive understanding of the importance of oral communication and presentation skills within the field of business. Develop and apply communication and presentation skills through a variety of individual projects applicable to business, including global situations. Prereq: 325 or con reg.

BUS 320. Principles of Management. 3 cr. Theory of management. Explore different ways managers function in profit as well as not-for-profit business and industry organizations. Examine management behaviors from functional and organizational perspectives. Use current and library resources. Study language, philosophy, historical development and psychology of management. Does not count toward Business Major.

BUS 321. Entrepreneurship. 3 cr. Risk taking, decision making, marketing, finance, personnel selection, record keeping, taxes, and controls unique to the entrepreneurial-type organization and the entrepreneur-manager. Prereq: 320 or 325; 330; ACCT 210.

BUS 322. Business Leadership for Managers. 3 cr. Explore the various theories of leadership within the context of management. The role of the leader's impact on attainment of organizational goals at various levels is studied. Situational theories are examined. Personal analysis of preferred style is included, as well as skill building techniques needed for development of leadership. Prereq: 320 or 325.

BUS 324. Personnel/Human Resource Management. 3 cr. Integrate daily operational activities of personnel management, such as job analysis, training, recruiting, and performance appraisal with the long-term strategic perspective of identifying and analyzing human resource issues and trends that may affect the organization and how it is managed. Includes maternity/paternity leave, lack of unskilled workers, increase in number of dual career families, provision for individuals with disabilities. Prereq: 320 or 325.

BUS 325. Organizational Behavior. 3 cr. Behavioral approach to management concentrating on the individual in the work place in dealing with power, authority, rules, status, norms, leadership, motivation, communication, group processes and conflict management.

BUS 326. Organizational Theory. 3 cr. Use an open system perspective to examine how managers deal with factors that affect the organization. Consider factors such as environment, technology, and goals in determining the nature and structure of the organization. Prereq: 320 or 325.

BUS 327. Managing Global Organizations. 3 cr. General concepts, techniques, and practices related to managing global organizations. Challenges, rewards, risks, and consequences of managing in diverse countries are discussed. Various cultural theories are studied. Particular emphasis is placed on the comparison of Western cultural influences to non-Western cultural influences on accepted business practices. Prereq: 320 or 325.

BUS 328 Training and Development. 3 cr. Types and methods of training programs as related to all sizes of business and industry. Job design, task analysis, content, and delivery systems including computer-based programs. Evaluation and justification for training programs. Focus on developmental platforms designed to enhance employee knowledge and skills resulting in improved employee retention. Prereq: 320 or 325.

BUS 329. Project Management. 3 cr. Emphasis on the project management process including planning, scheduling, organizing, and controlling large scale projects. Major topics of strategy, priorities, troubleshooting and use of project management techniques and tools included. Prereq: 320 or 325.

BUS 330. Principles of Marketing. 3 cr. Study marketing theories and concepts used to apply marketing strategies to product development, distribution, pricing, and promotion of goods and services.

BUS 331. Marketing Research. 3 cr. Objectives and methods of acquiring data to make intelligent marketing decisions; research planning, sampling, collection methods; data analysis, interpretation, and application. Prereq: 330.

BUS 333. eMarketing. 3 cr. Learn core marketing strategies on internet and mobile platforms including website development, search engine, optimization, social media management, online advertising, and marketing analytics. Also learn to use popular online business software to manage these marketing activities.

BUS 335. Retailing. 3 cr. Analysis of retail industry market structure. Emphasis on development and implementation of strategies. Introduction to management activities of inventory procurement, channel relationships, support services, operations, promotional activities and vendor relationships. Store layout, pricing structures, store image, and online retailing. Prereq: 330, ACCT 210.

BUS 336. Sales Management. 3 cr. The sales force and its role in the execution of marketing strategy in planning, organizing, and controlling the sales function. Prereq: 330.

BUS 337. Buyer Behavior. 3 cr. Concepts from psychology, sociology, anthropology, and other behavioral disciplines, analyzed to develop ability to understand and predict reactions of individuals and groups to marketing decisions. Prereq: 330.

BUS 338. Marketing Management. 3 cr. Role of marketing manager in business, with emphasis on decision-making and problem-solving activities. Prereq: 330.

BUS 339. International Marketing. 3 cr. International differences in applying marketing concepts to culture, business customs, political and legal environments, trade mechanics, and market behavior when developing marketing strategies; world trade practices. Prereq: 330.

BUS 340. Business Law & Ethics. 3 cr. Legal concepts for employees, managers and business owners, Analysis of business ethics scenarios.

BUS 341. Advanced Business Law. 3 cr. Commercial paper, real estate and personal property, partnerships, corporations, bankruptcy. Prereq: 240 or 340.

BUS 342. International Business Law. 3 cr. The legal environment of international business and contracting, international and U.S. trade laws and treaties, regulation of the international marketplace. Prereq: 240 or 340.

BUS 343. Principles of Insurance. 3 cr. History of insurance, fields of insurance, types of carriers, insurance contracts, insurance purchases. Prereq: 240 or 340.

BUS 344. Insurance Operations. 3 cr. Comprehensive examination of insurance company operations encompassing insurance regulations, insurance marketing, property and liability insurance, health insurance, rate making, claims, reinsurance and insurance accounting. Provides an understanding of the core functions of an insurance company with exposure to guest speakers from across the insurance industry. Prereq: 240, 340 or 343.

BUS 350. Principles of Finance. 3 cr. Business units, especially corporate, in present day enterprise; financial principles applicable to their operation. For SBE majors. Prereq: ACCT 210; approved major/minor.

BUS 352. Financial Management. 3 cr. Major aspects of financial decision-making, primarily using the case method; profit planning, financial budgeting, investment decisions, cost of capital, valuation, and management of circulating capital. Prereq: 350.

BUS 353. Investments. 3 cr. Construct and manage investment portfolios to meet needs of personal and institutional investors; select securities to balance income, risk, and capital growth. Prereq: 350.

BUS 354. Financial Planning. 3 cr. Introductory survey course of the basic content included in the Certified Financial Planner (CFP) program. Financial Planning, Personal Insurance, Investments, Federal Income Tax, Retirement Planning, Employee Benefits, and Estate Planning will be covered. Prereq: 350 or cons instr.

BUS 355. Real Estate Investments. 3 cr. Real Estate as an investment vehicle for a diversified portfolio. Screening potential investments, funding the acquisition, managing the risk, and developing the exit strategy. Prereq: 350 or cons instr.

BUS 356. Corporate Risk Management. 3 cr. Identify, measure and manage risk for corporations and individuals. Topics include identification, measurement and reporting of risk, as well as use of financial tools and techniques to control risk. These tools include insurance, portfolio management and financial derivatives. Prereq: 350.

BUS 357. International Corporate Finance. 3 cr. Introduction to international financial markets, exchange rate determination theory, concepts/measurement of foreign risk exposure, financial instruments to hedge exchange risk, and financing multinational enterprises. Prereq: 350.

BUS 360. Principles of Production-Operations Management. 3 cr. Use quantitative management science techniques such as facility layout, process planning, work measurement, inventory control, scheduling, quality control, forecasting, linear programming (LP), just in time (JIT), and statistical process control (SPC) to solve operational problems. For SBE majors. Prereq: ACCT 211; ECON 111; 3 cr in statistics; MATH 109 or equiv.

BUS 370. Management Information Systems. 3 cr. Integrate topics of management, marketing, organizational structure and systems theory relevant to utilizing an organization's information resources. Computer hardware and software, telecommunications, spreadsheet and database concepts emphasized. Investigate e-commerce business model to achieve competitiveness in global business environments. Prereq: 320 or 325; and 330.

BUS 390. Ethics in Business. 3 cr. Principles of ethics and professional responsibility applied to specific workplace situations and business activities. Explore interplay between corporate culture, professional codes of conduct, and individual behavior. Develop, clarify, communicate, and defend positions on corporate conduct. May not earn credit in both ACCT 390 and BUS 390. Prereq: 240 or 340; 320 or 325.

BUS 421. Entrepreneurship in Action. 3 cr. Individuals or teams register to complete projects related to Entrepreneurship. Pursue a personal interest or participate in projects identified by the instructor. Projects will address real-world situations and demonstrate the application of entrepreneurial skills and behaviors. Projects may be undertaken in a variety of settings: for-profit, not-for-profit, or socially, culturally, or environmentally beneficial. Primarily independent study with meeting times arranged for each team, as well as periodic common classroom experiences. Required for Entrepreneurship concentration. Non-SBE majors are encouraged to contact instructor. Prereq: 221 and 321 or cons instr.

BUS 438. Marketing Strategy. 3 cr. Study actual and case marketing situations in order to analyze and solve problems of marketing strategies and to learn how to develop marketing strategies that will take advantage of market opportunities. Prereq: 330, and at least two other Marketing classes.

BUS 455. Corporate Finance Seminar. 3 cr. Current topics and advanced discussion of corporate finance subjects. Topics include corporate financing (including public offerings and private placements), financial forecasting, mergers and acquisitions, and financial statement analysis. Prereq: 350.

BUS 480. Management Capstone. 3 cr. Advanced course in business administration using the case method to develop integrative problem-solving approaches to complex management problems. Analysis, formulation and execution of business strategies. For graduating seniors with an Accounting major, and Economics major with a Business Economics option, a general Business major, or a Business major with a FIRE, Management or International Business concentration. Prereq: 240 or 340, 300, 301, 325, 330.

BUS 490. Special Topics in Business Administration. Cr arranged. Subtitle will designate topic.

BUS 493. Internship in China. 3 cr. Supervised training work program in cooperating agency or business in China plus lectures in English. Prereq: Bus Adm major/minor or cons intern dir. GDR: NW; GEP: GA, XL

BUS 496. Internship in Business Administration. 1-3 cr. Supervised training work program in a cooperating agency or business. Credit determined by intern director and business faculty. Max 3 cr apply to major. Prereq: Cons intern director. GEP: XL

BUS 497. Internship in Business Administration. 1-6 cr. Supervised training work program in a cooperating agency or business. Credit determined by intern director and bus faculty. Does NOT apply to major or minor. Prereq: Cons intern director. GEP: XL

BUS 498. International Internship in Business Administration. 1-6 cr. Supervised training work program in a cooperating agency or business. Credit determined by intern director and bus faculty. Does NOT apply to major or minor. Prereq: Cons intern director. GEP: XL

BUS 499/699. Special Work. Upperclass or graduate students may arrange for independent study with cons chair. Credit based on scope of project. Prereq: Cons chair.

Business Latent Course: Not offered recently. See full course description in indicated (xx-xx) catalog.

391 Small Business Mgt Consulting Practicum, 3 cr, (03-05)

Courses in Economics

ECON 100. Introduction to Economics. 3 cr. Survey economic concepts and contemporary economic issues. The role of business, households, and government. Analysis of demand and supply, income distribution, unemployment, inflation, and business cycles. May not substitute 100 for ECON 110 or 111 to satisfy business administration, economics, and accounting major or minor requirements.

ECON 110. Principles of Macroeconomics. 3 cr. Concepts of scarcity and cost; supply and demand; government in the economy; organization and functions of businesses and cooperatives; measurement and determination of national income; unemployment and inflation; money, banking, and financial markets; international trade and finance. Prereq: MATH 100 or equiv. GDR: SS1; GEP: SS

ECON 111. Principles of Microeconomics. 3 cr. Theory of producer and consumer behavior; pricing and output in competitive vs. monopoly markets; pricing and employment of labor and other resources; problems of government intervention in markets. Prereq: 110. GDR: SS1; GEP: SS

ECON 272. Personal Finance. 3 cr. Economics for the consumer, the art of consumer decision making, issues affecting consumer spending, saving, and investing; the role of cooperatives and other institutions concerned with consumer welfare. May not earn credit in both 272 and HD 372.

ECON 299. Special Work. Premajors in economics may arrange for independent study with cons chair. Credit based on scope of project.

ECON 310. Introductory Econometrics. 3 cr. Fundamentals of Probability and Mathematical Statistics. Hypothesis testing. Simple and multiple regression analysis. Dummy variables and Basics of Time Series Analysis focusing on applications in Economics. Prereq: 110, 111; MATH 109, 111, or 120, 355

ECON 311. Public Economics. 3 cr. Analysis of government actions and their impact on both efficiency and equity aspects of the economy. Topics include government actions to address market failure, social insurance, public assistance, and taxation. Prereq: 111.

ECON 315. Business and Government. 3 cr. Role of government regulation vs. free markets. How government regulates business activity: anti-trust, economic regulations, social regulations, developing regulatory activities. Economic impact of govt regulation. Prereq: 111.

ECON 324. Health Economics. 3 cr. Apply microeconomic theory to analyze behavior of health and health care markets. Includes supply and demand of health care services, private health insurance markets, government provision of health care services and health insurance, and health care policy. Prereq: 111 or cons instr.

ECON 328. Poverty, Welfare, Social Insurance. 3 cr. Poverty in the United States; income maintenance programs including social security, unemployment insurance, worker's compensation, pension plans, and social assistance; health insurance. May not earn credit in both ECON 328 and SOC 328. Prereq: 110 or cons instr.

ECON 330. Evolution of American Enterprise. 3 cr. Evolution of business systems and development of American economy; historical transformation of firms, markets, and government; institutional sources of economic growth. Prereq: 111.

ECON 340. Industrial Organization, 3 cr. Structure and performance of markets; strategic behavior of firms; price discrimination, product differentiation, advertising, entry deterrence, and research and development. Prereq: 111.

ECON 342. Ecological Economics. 3 cr. Interactions and integration of economic and ecological systems. Resource use, disposal, and sustainability. Historical trends and forecasts of the relationship between economic and ecological outcomes. Policy design with a focus on steady-state growth distributive justice, and efficiency. Prereq ECON 111 or NRES 372. GDR: EL; GEP: ER

ECON 345. Labor Economics. 3 cr. Examine state of modern labor market, theory of worker supply and demand, wage determination in competitive markets, internal labor markets and labor market segmentation, trade unions, discrimination, human capital accumulation as well as public policy related to these topics. Prereq: 111.

ECON 346. Collective Bargaining. 3 cr. History and legal framework of collective bargaining; contextual influences on bargaining process; union organization, negotiating strategies, and goals; management organization and bargaining strategies; content of collective bargaining; bargaining process in public and private employment; dispute resolution procedures; current topics. Prereq: 110.

ECON 347. Sports Economics. 3 cr. Uses the sports industry to illustrate topics from a variety of fields in economics. Examines pricing decisions, cooperative behavior, and league formation; models of pay determination, contract incentives, and unions; and stadium financing and community effects. Prereq 111.

ECON 350. Microeconomic Theory. 3 cr. Analytical tools for understanding demand, production and cost, impact of market structure on firms' behavior, pricing of resources, and economic welfare. Analysis of public policies. Prereq: 111 and MATH 109, 111, or 120.

ECON 360. Money and Financial Markets. 3 cr. Depository institutions; central banking and money creation; price level analysis; interest level determination; interest rate theory; money and capital markets. Prereq: 110 and ACCT 210.

ECON 361. Macroeconomic Theory. 3 cr. Determination of levels of national income, output, employment, and prices; national income accounting; theory and measurement of aggregate consumption and investment; government stabilization policy. Prereq: 111.

ECON 362. Economic Development. 3 cr. Problems of measuring economic growth; lessons from the past economic growth of today's industrialized countries and middle-income economies; problems of poverty, inequality, unemployment, and deficiencies in food, clothing, housing, education and health of people in less-developed countries. Prereq: 111.

ECON 365. International Economics. 3 cr. Foreign trade, theory and measurement of export and import patterns; foreign exchange markets, balance of payments, tariffs, and the contemporary international monetary system. Prereq: 111; or NRES 372 for international resource management minors.

ECON 370. Managerial Economics. 3 cr. Economic analysis of business decision making using regression analysis and forecasting tools; mathematical analysis of production decisions, cost minimization, pricing strategies, consumer demand, and market environment. Prereq: 111, MATH 109, and 355 or equiv.

ECON 374. Regional Economic Growth. 3 cr. Factors that promote and/or hinder regional economic and business growth. Geographical distribution of resources and spatial ordering of industrial and commercial activities. Patterns of trade among regional and urban areas; regional business cycles. Patterns of land use and values in regions and urban areas. Prereq: 111.

ECON 390. Special Topics in Economics. 1-3 cr. Subtitle will designate topic. May repeat for credit with different subtitles. Prereq: Cons instr.

ECON 420. Economics of Organization. 3 cr. Apply microeconomic and game theoretic principles to analyze business institutions and practices. Examine economic theories of the firm and alternative contractual relationships. Vertical integration (make-or-buy decision), corporate ownership, multiproduct firm, relational contracting, franchising. Evaluate economic theories with economic experiments. Prereq: 111 and cons instr.

ECON 450. Seminar in Applied Economics. 3 cr. This capstone course offers instruction on the qualitative and quantitative methods of the economics profession. Using topics from the economics discipline, examine a variety of types of professional economic studies, for example, literature reviews, case studies, qualitative research, and quantitative analysis. Prepare for the type of work you will be expected to conduct in the economics profession, the business world, or in graduate school. Prereq: 310.

ECON 460. Economics and Management of Technological Change. 3 cr. Read, present papers and discuss history of technological change, economic/social determinants of direction and rate of change, effects of change on economic structure/growth, and on behavior of firms. Also, technology problems faced by policy makers and firm managers. Prereq: 111 and 2nd sem jr or sr st.

ECON 490. Advanced Topics in Economics. 1-3 cr. Subtitle will designate topic. May repeat for credit with different subtitles. Prereq: Sr st; cons instr.

ECON 493. Internship in China. 3 cr. Supervised training work program in cooperating agency or business in China plus lectures in English. Prereq: Economics major/minor or cons intern dir. GDR: NW; GEP: GA, XL

ECON 497. Internship in Economics. Cr arranged. Supervised training work program in a cooperating agency or business. Credit set by chair and econ faculty member. Prereq: Cons chair. GEP: XL

ECON 498. International Internship. 1-12 cr. Supervised training work program in an international agency or business located outside the U.S. Credit set by chair and econ faculty. Prereq: Cons chair. GEP: XL

ECON 499/699. Special Work. Upperclass or graduate students may arrange for independent study with cons chair. Credit based on scope of the project. Prereq: Cons chair.

ECON 717. Economic Education for Elementary and Secondary Teachers. 3 cr. Introduction to basic economic principles and issues; identify resources for economic instruction at elementary and secondary levels; design lessons/activities for integrating economic education across the curriculum. Open to experienced, certified teachers. May not earn credit in both ECON 717 and EDUC 717.

ECON 725. Economics and Environmental Issues. 1 cr. Role of economics principles in analysis of environmental issues; competitive markets, externalities, environmental regulations, economic incentives, pollution reduction, energy efficiency, waste disposal, population change, and economic development; teaching strategies and instructional materials to integrate economics and environmental education. Prereq: Certified elementary and secondary teachers only.

Economics Latent Courses: Not offered recently. See full course description in indicated (xx-xx) catalog.

367	Comparative Economic Systems, 3 cr, (03-05)
440	Monetary and Credit Policies, 3 cr, (95-97)
454	Applied Economics, 3 cr, (89-91)
481	History of Economic Thought, 3 cr, (95-97)
495	Senior Honors Thesis, 3 cr, (01-03)

CAMP AND YOUTH PROGRAMMING

See *Natural Resources-Human Dimensions in Natural Resource Management* for the option and minor in *Youth Programming and Camp Management*.

CAPTIVE WILDLIFE

See *Natural Resources – Wildlife Ecology*.

CARTOGRAPHY

See *Geography*.

CHEMICAL ENGINEERING

See *Paper Science and Engineering*.

Chemistry

(College of Letters and Science)

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Definition: Chemistry is an experimental science that involves the study of matter, the chemical and physical changes that matter undergoes, and the energy changes that accompany these phenomena.

CHEMISTRY MAJORS

You may earn a chemistry major in four ways. Each starts with the following core of chemistry and collateral courses.

Chemistry Core/Collateral Courses

Core: CHEM 105 and 106 or CHEM 117, 248, 325, 326, 335, 336, 355, 446.

Collateral courses: MATH 120, 121, 222; PHYS 150, 250.

Complete **ONE** of the following majors:

Chemistry Major (Bachelor of Science)

Consists of a minimum of 64 credits (59 credits if taking CHEM 117):

1. Chemistry core and collateral courses (above).
2. CHEM 365.
3. At least 2 credits from CHEM 329L, 339L, 371, 373, 387, 425, 455, (L = lab work).

Chemistry Major for Professional Certification by the American Chemical Society (Bachelor of Science)

Consists of a minimum of 71 credits (66 credits if taking CHEM 117):

1. Chemistry core and collateral courses (above).
2. CHEM 329, 339, 365, 455.
3. At least 3 credits from CHEM 371, 373, 387, 425, 499. You may substitute one advanced course in another science for one chemistry course in this group with approval of the chair.
4. Reading knowledge of a foreign language encouraged.

Chemistry Major with Polymer Option (Bachelor of Science)

Consists of a minimum of 67 credits (62 credits if taking CHEM 117):

1. Chemistry core and collateral courses (above).
2. Polymer courses: CHEM 371, 373, 474, 478.
3. At least 2 credits from CHEM 329, 339, 365, 387, 425, 455.

Chemistry Major with Polymer Option for Professional Certification by the American Chemical Society (Bachelor of Science)

Consists of 77 credits (72 credits if taking CHEM 117):

1. Chemistry core and collateral courses (above).
2. CHEM 329, 339, 365, 455.
3. Polymer courses: CHEM 371, 373, 474, 478, and 2 credits of 499.
4. Recommended: Reading knowledge of a foreign language.

Chemistry Major for Teacher Certification (Bachelor of Science)

1. Consists of any of the majors described above.
2. Enrollment caps are in effect for those seeking teacher certification. Please contact the Chemistry Department early for entrance requirements and application procedures. Also see information about the Professional Education Program and the secondary education curriculum for teacher certification in the *Education* section of this catalog.

Chemistry Minor

Consists of at least 26 credits (21 credits if taking CHEM 117). Take **ONE** of the following course sequences:

1. CHEM 105 and 106 or CHEM 117; CHEM 248, 325, 326, and a minimum of 4 addl credits selected from

CHEM 329, 335, 365, 371, 373, 387 and the combination of WATR/GEOL 487 and WATR 492

- CHEM 105 and 106 or CHEM 117; and CHEM 220, 248, 260, and the combination of WATR/GEOL 487 and WATR 492.

The objective of a minor in chemistry is to provide you with knowledge of introductory and intermediate chemical principles and to have you acquire sufficient technical skills to perform capably in a modern chemical laboratory.

Notes for Chemistry:

- Several of the chemistry courses listed below are designed as service courses or for nonchemistry majors. They do not count toward the chemistry major. In the case of such courses numbered 300 and over, the course description includes this restriction.
- You can replace a grade of F in a 100 level chemistry course with a subsequent grade in another 100 level chemistry course if you have the consent of the department chair. (See the **More Academic Information** section of this catalog for the policy on repeating courses.)
 - In special cases you can replace a D in CHEM 117 with a subsequent grade in 106 if you first get authorization from the department chair.
- You cannot receive credit toward graduation for a course after you have already completed a more advanced or similar course in the same area. The following restrictions hold:

if you have received credit for	you cannot receive credit for
100	101
101	100
105	100, 101
117	100, 101, 105, 106
325	220
365	260

- If you are taking CHEM 105 and plan to continue on with 106, you should take MATH 100 concurrently with CHEM 105 if you have not already completed that math course or higher.
- For all chemistry majors listed above, the Communication in the Major is satisfied by 200, 300, and 400-level courses that make up the Chemistry core listed above.
- For all chemistry majors listed above, the Capstone Experience is satisfied by 446.

BIOCHEMISTRY

See [listing of the major](#) earlier in this section.

PRE-CHEMICAL ENGINEERING

See [Paper Science and Engineering](#).

Prepharmacy

Take the following courses during your freshman and sophomore years: CHEM 105 and 106 (or 117), 325, 326, and MATH 120; PHYS 203 and 204. For additional requirements and suggested electives, see a prepharmacy adviser.

Academic Standards for Chemistry

- If you wish to major or minor in chemistry, you must apply for acceptance into the major or minor through the Department of Chemistry office no later than the first semester of your junior year.
- To be accepted as a major, you can have no more than one grade below C- in any chemistry, mathematics, or physics courses numbered below 299 required in the chemistry major.
- To be accepted as a minor, you can have no more than one grade below C- in any chemistry course.
- To be approved for graduation with a chemistry major, you must:
 - Have a minimum grade point average of 2.00 (2.75 for student teaching) in all chemistry courses and required collateral courses.
 - Have no more than one grade below C- in any chemistry, mathematics, or physics courses numbered below 299 required in the chemistry major.
 - Apply no more than one grade below C (C- is a grade below C) in chemistry courses numbered 300 or above to the major.
- To be approved as a chemistry minor, you must have a minimum grade point average of 2.00 (2.75 to student teach) in all chemistry courses.
- These requirements apply for majors and minors regardless of a declaration of academic bankruptcy. You may petition the department for consideration if you do not meet these standards.
- If you are a transfer student, the grades you earned at another university are not included in these requirements or in your GPA calculation. However, all grades are counted if you apply for teacher certification.
- See **Notes 1-4** above for additional information concerning prerequisites and repeating courses.

Test-Out and Credit-by-Exam Policy for Chemistry

The Department of Chemistry offers test-out opportunities for CHEM 100, 101, 105, and 106. The test-out exams are handled by the Chemistry Curricular Affairs Committee. The exams are written and cover lecture and laboratory topics. You will be notified of the required passing score before you take an exam. You may take a test-out exam only once.

You will receive credit for testing out of 105 and 106. For 100 and 101 you will not receive credit but will be granted a waiver of the corresponding General Education Program requirements.

An Advanced Placement (AP) Chemistry Exam score of 3 or 4 gives you credit for CHEM 105 (5 cr) and places you into CHEM 117. An AP Chemistry Exam score of 5 gives you credit for CHEM 105 (5 cr) and CHEM 106 (5 cr).

Courses in Chemistry

CHEM 100. Chemistry for the Citizen. 3 cr. Selected principles of chemistry. Relationship between chemistry and modern society. 2 hrs lec, 3 hrs lab per wk. (I, II) GDR: NS; EL; GEP: ER, NSC

CHEM 101. Basic Chemistry. 5 cr. (One semester survey). Introduction to atomic and molecular structure, bonding,

stoichiometry, descriptive chemistry of both inorganic and organic compounds, selected topics in environmental and consumer chemistry. 3 hrs lec, 1 hr disc, 3 hrs lab per wk. (See notes 2 and 3.) (I, II) GDR: NS; GEP: NSC

CHEM 105. Fundamental Chemistry. 5 cr. (Two semester basic course) Fundamental principles and theories of chemistry, including stoichiometry, atomic and molecular structure and bonding, nuclear chemistry, thermodynamics, descriptive chemistry of nonmetals and transition metals, chemical kinetics and equilibria, introduction to organic chemistry. 3 hrs lec, 1 hr disc, 3 hrs lab per wk.

Prereq: MATH 90 or placement in 100 or above. (See notes 2, 3, 4.) (I, II) GDR: NS; GEP: NSC

CHEM 106. Fundamental Chemistry. 5 cr. Continuation of 105. 3 hrs lec, 1 hr disc, 3 hrs lab per wk. Prereq: 105, MATH 100 or higher. (See note 3.) (I, II) GDR: NS; GEP: NSC

CHEM 117. General Chemistry Principles. 5 cr. (1 semester course for especially well-prepared majors/minors). Laws and principles of chemistry including atomic and molecular structure, review of stoichiometry, descriptive inorganic chemistry of the representative and transition elements, chemical equilibria, electrochemistry, thermodynamics, and chemical kinetics. 3 hrs lec, 1 hr disc, 3 hrs lab per wk. Prereq: AP/IB HS chemistry with a grade of B or better and placement into MATH 119 OR one year of HS chemistry with a grade of B or better and placement into MATH 120; or cons chair. (I) GDR: NS; GEP: NSC

CHEM 220. Survey of Organic Chemistry. 4 cr. Systematic one semester survey of the compounds of carbon. 3 hrs lec, 3 hrs lab per wk. Does not count toward any chemistry major. Prereq: 106 or 117. (See note 3.) (I, II)

CHEM 221. Survey of Organic Chemistry Lecture. 3 cr. Systematic one semester lecture only survey of carbon compounds. 3 hrs lec per wk. Only for fisheries and watershed management majors. Does not count toward any chemistry major or minor. Prereq: 106 or 117, or cons instr. (See note 3.) (I, II)

CHEM 248. Quantitative Analysis. 4 cr. Theory and methods of quantitative chemical analysis including effects of chemical equilibria on quantitative separations, titration curves, polyprotic acids and buffers, and oxidation-reduction processes. 2 hrs lec, 6 hrs lab per wk. Prereq: 106 or 117. (I, II)

CHEM 260. Elementary Biochemistry. 4 cr. Introduction to the structure and cellular reactions of the primary constituents of living cells; for students with limited preparation in organic chemistry. 3 hrs lec, 3 hrs lab per wk. Does not count toward chemistry major. Prereq: 220; or 326. (See note 3.) (II)

CHEM 298. Special Topics in Chemistry. 1-3 cr. Subtitle will designate topic. May repeat with different subtitles. Prereq: Cons instr.

CHEM 299. Introduction to Research. 1 cr. Chemistry majors and minors may arrange for independent research with a faculty member. Introduction to chemical research. May be repeated. Does not count toward chemistry major or minor. Prereq: Cons chair.

CHEM 325. Organic Chemistry. 4 cr. (Two semester course) Structure, conformation, stereochemistry, properties and reactions of organic compounds. Structure-property relationships and reaction mechanisms and their application in the study of a broad range of representative functional groups and compounds including carbohydrates, polymers, amino acids and proteins. Retrosynthetic analysis and spectroscopic characterization of organic modules. 3 hrs lec, 3 hrs lab per wk. Prereq: 106 or 117. (See note 3.) (I, II)

CHEM 326. Organic Chemistry. 4 cr. Continuation of 325. 3 hrs lec, 3 hrs lab per wk. Prereq: 325. (I, II)

CHEM 329. Advanced Synthesis Laboratory. 2 cr. Advanced techniques in the synthesis and characterization of organic and inorganic compounds. 6 hrs lab per wk. Prereq: 248, 326, and 355.

(I)

CHEM 333. Biophysical Chemistry. 3 cr. Examine physicochemical principles underlying structure and chemical properties of macro-molecules of biological importance, including principles of thermo-dynamics, equilibrium, kinetics, and dynamics. Includes methods for separation and isolation of macromolecules and their spectroscopic characterization. 3 hrs lec per wk.

Prereq: MATH 120, PHYS 204 or 250, CHEM 365, and accepted biochemistry major, or cons chair. (See note 3.) (II)

CHEM 335/535. Physical Chemistry. 4 cr. Laws and principles of physical chemistry including atomic and molecular structure, thermodynamics, kinetics. 3 hrs lec, 3 hrs lab per wk. Prereq: 248 and 326; MATH 222; PHYS 250; or cons instr. (I)

CHEM 336/536. Physical Chemistry. 3 cr. Continuation of 335. 3 hrs lec per wk. Prereq: 335. (II)

CHEM 339/539. Physical Chemistry Laboratory II. 1 cr. Extension of 335 lab with emphasis on use of spectroscopic methods to probe the electronic structure of atoms and molecules and the nuclear motions within molecules. Introduction to laser use in spectroscopy and kinetics. 3 hrs per wk. Prereq: 336 or con reg. (II)

CHEM 355. Intermediate Inorganic Chemistry. 3 cr. An introduction to the chemistry of inorganic compounds and materials. Descriptive chemistry of the elements. A survey of Crystal Field Theory, band theory, and various acid-base theories. Use of the chemical and scientific literature. Introduction to the seminar concept 3 hrs lec per week. Prereq: MATH 120 or con reg.; CHEM 325. (II)

CHEM 365/565. Biochemistry. 4 cr. Structure of principal biomolecules, nature and mechanism of cellular reactions, and central pathways of metabolism. 3 hrs lec, 3 hrs lab per wk.

Prereq: 248 and 326; accepted chemistry major/minor, biochemistry major, or cons chair. (See note 3.) (I, II)

CHEM 371. Introduction to Chemistry of Materials. 1 cr. Main classes of materials—metals, ceramics and glasses, natural and synthetic polymers, composites, and semiconductors. Relationships between chemical structures, physical and chemical properties, and end use. One hr lec per wk. Prereq: 326 or con reg. (I)

CHEM 373. Polymer Synthesis and Characterization. 2 cr. Methods of polymerization of organic and inorganic polymers. Structure-property relationships, classes of natural and synthetic polymers and co-polymers, mechanisms of polymerization, and characterization of polymers by spectroscopic, thermal, physical, and mechanical methods. 2 hrs lec per wk. Prereq: 326; 371 or con reg; MATH 120. (I)

CHEM 387. Spectral Identification of Organic Compounds. 1 cr. Advanced treatment of organic compound identification based on spectral analysis. 2 hrs per wk. Prereq: 326 or cons instr. (II)

CHEM 395. Seminar I. 1 cr. Use of chemical and scientific literature, introduction to seminar concept. Participate in studies and discuss current developments in chemistry. Prereq: 326 and chemistry major/ minor or cons chair. (I)

CHEM 399. Special Work. 1-3 cr. Chemistry majors and minors may arrange for independent projects with a faculty member. May be repeated. Does not count toward chemistry major or minor.

CHEM 425/625. Advanced Organic Chemistry. 3 cr. Theoretical and physical organic chemistry including reaction mechanisms, quantum mechanical applications, advanced stereochemistry. Prereq: 336. (I)

CHEM 446/646. Instrumental Analysis. 4 cr. Instrumental methods of analysis including spectroscopic, electro-chemical, and separation techniques. Presentation of results from an inquiry-based experiment required. 2 hrs lec, 6 hrs lab per wk. Prereq: 248; and 336 or con reg. (See note 3.) (II)

CHEM 455/655. Advanced Inorganic Chemistry. 3 cr. Descriptive inorganic chemistry, periodicity of elements, bonding theories, reaction mechanisms, acid-base theories; and coordination chemistry, bioinorganic chemistry, and characterization methods. 3 hrs lec per wk. Prereq: 336 and 355 or con reg. (II)

CHEM 474. Physical Chemistry of Polymers. 2 cr. Key physical aspects of polymer molecules. Bulk properties, polymer solutions, morphology, rheology. Polymer processing and end uses. 2 hrs lec per wk. Prereq: 335, 373. (II)

CHEM 478. Polymer Laboratory. 2 cr. Prepare polymers by chain-growth and step-growth methods. Introduction to airless techniques and polymer processing. Characterization of bulk and solution properties by molecular weight determinations, spectroscopy, thermal analysis, and mechanical property evaluation. 6 hrs lab per wk. Prereq: 326; 474 or con reg. (II)

CHEM 499. Independent Research. 1-3 cr. Chemistry majors may arrange for independent research with faculty research adviser. Written report required. You are encouraged to repeat this course with your adviser. May apply no more than 3 cr toward ACS certified major. Does not count toward L&S chemistry major. Prereq: 248, 326 and cons chair.

Chemistry Latent Courses: Not offered recently. See full course description in indicated (xx-xx) catalog.

104	Essentials of Chemistry, 2 cr, (95-97)
114	General Chemistry Laboratory, 1 cr, (03-05)
115	General and Inorganic Chemistry, 5 cr, (09-11)
116	General and Inorganic Chemistry, 5 cr, (09-11)
328	Organic Chemistry Lab, 2 cr, (07-09)
330	Brief Course in Physical Chemistry, 4 cr, (05-07)
338/538	Physical Chemistry Laboratory I, 1 cr, (03-05)
340	Intermediate Analytical Chemistry, 4 cr, (05-07)
369	Topics in Physiological Chemistry, 2 cr, (95-97)
380	Industrial Hygiene Chemistry, 1 cr, (95-97)
397	Chemical Literature, 1 cr, (01-03)
435/635	Advanced Physical Chemistry, 3 cr, (01-03)
445/645	Advanced Analytical Chemistry, 3 cr, (01-03)
458	Advanced Inorganic Chemistry Lab, 1 cr, (03-05)
468/668	Experimental Biochemistry, 1-2 cr, (95-97)
496/696	Seminar II, 1 cr, (11-13)
658	Advanced Inorganic Chemistry Lab, 1 or 2 cr, (89-91)
790	Chemistry Education Workshop, 1-4 cr, (93-95)
796	Independent Study, 1-4 cr, (01-03)
XXX	Marine Chemistry, 6 cr, (01-03)

Chemistry Education Latent Courses: Not offered recently. See full description in indicated (xx-xx) catalog.

790	Chemistry Education Workshop, 1-4 cr, (01-03)
792	Special Topics in Chemistry Education, 1-4 cr, (01-03)

CHILD AND FAMILY STUDIES

See [Health Promotion and Human Development](#).

CHILD DEVELOPMENT

See [Education](#) and [Health Promotion and Human Development](#).

CHINESE

See [World Languages and Literatures](#).

CHIROPRACTIC

See [Biology](#).

CLINICAL LABORATORY SCIENCE

See [Health Care Professions](#).

COACHING

See [Physical Education & Athletic Training](#).

COLLABORATIVE DEGREE PROGRAM

See [More Academic Information or American Studies](#).

Communication (College of Fine Arts and Communication)

Rhonda Sprague, Head of the Division of Communication

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Definition: Communication studies how humans use symbols to create, send, receive, and respond to messages in a variety of contexts using oral, written, visual, or mediated channels.

Abbreviations:

IPO = Interpersonal and Organizational Communication

MS – Media Studies

PR – Public Relations

The Division of Communication offers an interdisciplinary major in **arts management** and a **communication** major and minor. Arts management combines skills in business, communication, and the arts to promote all facets of the arts in any size community. Arts managers are responsible for financing and marketing, developing programs, managing facilities, writing grants, and managing personnel to support artists and arts agencies.

Our comprehensive communication major and minor prepare students for a wide range of careers in broadcasting, new media, journalism, public relations, management, training, sales, and human services.

You must complete all coursework required for the major or minor and are also expected to acquire strong oral and written communication competencies. The division encourages everyone to participate in one or more of the student organizations and the internship program. These enhance job opportunities upon graduation by providing practical communication experience.

Arts Management Major (Bachelor of Arts)

Consists of a minimum of 65-73 credits (depending upon language placement):

- Arts management**, 23 credits:
 - Take ARTM 100 or COMM 100; ARTM 195, 280, 380, 395,
 - Take ARTM 480 or 485 (available fall, spring, or summer), or
 - Take ARTM 485 plus 6 additional credits selected in consultation with the International Programs Office (available fall or spring semester only).
- Only 6 credits of ARTM 480 will count toward major GPA.

3. **Business**, 12 credits: ACCT 210; BUS 320, 330, and 340.
4. **Communication**, 12 credits: COMM 221, 230, 334 and 431.
5. **Creative arts**: 18 credits (6 credits must be 300 level or higher).
 - a. At least 9 credits must come from Art, Theatre, Dance, or Music. You may apply a maximum of 3 repeated course credits toward this requirement for courses which can be repeated multiple times for credit (e.g. music ensemble). Remaining electives may come from category A or from the following:
 - b. ARTM 300*.
 - c. **Visual arts**: IA 130, 150, 160, 210; BIOL 322.
 - d. **Media Arts**: COMM 160, 190, 192, 253, 320, 322*, 330*, 351, 352, 353, 356*, 360, 361, 362, 363*, 364, 365*, 367, 369; WDMD 100.
 - e. **Literary Arts**: COMM 374; ENGL 200, 211-214, 275-336); FREN 340; GERM 243, 340; SPAN 340, PHIL 303; C LT 102.
6. Complete a two-semester sequence of university entry-level world language courses (101, 102). The requirement may be fulfilled through equivalent coursework or other language acquisition as demonstrated through a test-out policy (including Native American languages and American Sign Language). If your native language is not English and you can document formal high school or university study of your native language, then you may use ENGL 101 and 202, or ENGL 150 as a means of fulfilling this foreign language requirement.
7. Communication in the Major is satisfied by COMM 221, 431.
8. Capstone Experience is satisfied by ARTM 480 or 485.
9. The Arts Management Major satisfies the Interdisciplinary Studies GEP requirement. For more information, see the [GEP](#) section of the Catalog.

* may be repeated for credit with different subtitles.

Academic Standards for Arts Management Major

1. You must maintain a grade point average of **2.75 for all courses in the major**, regardless of a declaration of academic bankruptcy, to continue in the major and for graduation.
2. Once you complete 12 credits toward your arts management major, you must maintain a 2.75 GPA for your major coursework. If your arts management major GPA falls below a 2.75 GPA will be placed on probation in for one semester. If you fail to regain a 2.75 GPA after the next semester in which you complete a course counting toward the arts management major, you will be dismissed from the major.
3. Courses with a grade below C- DO NOT fulfill major requirements; however, grades for those courses will be calculated into your major GPA.
4. Transfer credit policy: Certain courses taken at other universities may substitute for courses in the major.

Credits from these courses will be counted when calculating your GPA in arts management.

Communication Major (Bachelor of Arts)

If you are interested in declaring a communication major, you must meet with a division representative. Contact the Communication office to make an appointment. Consists of a minimum of 40-48 credits in communication courses (depending upon language placement):

1. Required: COMM 100 or ARTM 100 (must be taken during first seven UW-Stevens Point Communication credits); COMM 200, 201).
2. Complete requirements for one emphasis area (below).
3. Complete a two-semester sequence of university entry-level world language courses (101, 102). The requirement may be fulfilled through equivalent coursework or other language acquisition as demonstrated through a test-out policy (including Native American languages and American Sign Language). If your native language is not English and you can document formal high school or university study of your native language, then you may use ENGL 101 and 202, or ENGL 150 as a means of fulfilling this foreign language requirement.
4. Eighteen credits must be in courses numbered 300 or above.
5. COMM 101 may not be used to complete the major.
6. Communication in the Major is satisfied by 200 and 201.
7. Capstone Experience is satisfied by 431, 440, or 460 (depending upon your emphasis area).

Communication Major (Bachelor of Science)

Consists of a minimum of 40 credits in communication courses:

1. Required: COMM 100 or ARTM 100 (must be taken during first seven UW-Stevens Point Communication credits); COMM 200, 201).
2. Complete requirements for one emphasis area (below).
3. Eighteen credits must be in courses numbered 300 or above.
4. COMM 101 may not be used to complete the major.
5. Communication in the Major is satisfied by 200 and 201.
6. Capstone Experience is satisfied by 431, 440, or 460 (depending upon your emphasis area).

Areas of Emphasis for Communication

Courses listed below with an asterisk (*) may be repeated for credit under different subtitles.

Interpersonal and Organizational Communication:

Required: 240, 280, 345, *440. Electives: At least 12 credits from *342, 343, 348, *349, 376, 382, 383, *385, 387, 388, *389, *390 (interpersonal or organizational focus), 392, 394, 396, 397, 440.

Media Studies:

Choose ONE track:

1. **Journalism.** Required: 190, 192, 221, 320, 321, 325, 460. Elective: At least one course from 322, *323, 324, *329, *363 (Survey of Documentary), 390 (media focus), 392.
2. **Media production.** Required: 190, 192, 253, 325, 353, 356, 460. Elective: At least one course from 351, *352, *356 (if more than one subtitle taken), *359, 360, 361, *362, *363, 364, *365, 367, *369, 387, 392.

Public Relations:

Required: 221, 230, 334, 431. You must also complete an internship (480) or externship (485). Electives: At least 12 credits from 322, *330, 333, 336, *338, 339, *390 (PR-relevant focus), 392.

Other elective courses may be available in all emphases.

Communication Minor

If you are interested in declaring a communication minor, you must meet with a division representative. Contact the Communication office to make an appointment.

Consists of a minimum of 18 credits:

1. Required:
 - a. 200.
 - b. Any one of 160, 190, 230, 240, 280.
2. Electives: 12 credits of communication courses, at least 9 must be 300 level or above.
3. COMM 101 may not be used to complete the minor.

Academic Standards for Communication

Retention and Graduation

1. In order to graduate with a major or minor in communication, you must achieve a 2.50 GPA in all communication classes taken, regardless of a declaration of academic bankruptcy.
2. Once you complete 12 credits toward your communication major (excluding 101), you must maintain a 2.50 GPA for your major coursework. If your communication major GPA falls below a 2.50, you will be placed on probation for one semester. If you fail to regain a 2.50 GPA after the next semester in which you complete a communication course, you will be dismissed from the major.
3. Courses with a grade below C- DO NOT fulfill the major or minor requirements, but are included in the calculation of the major or minor GPA. See the [More Academic Information](#) section of this catalog for the policy on repeating courses.
4. **Transfer credit policy:** Certain courses taken at other universities may substitute for courses in the

major. Credits from these courses will be counted when calculating your GPA in communication.

Test-out, Credit-by-Exam, and Retroactive Credit Policy

If you think you qualify for the above, contact the division head who will determine whether the exam will be for test-out, credit-by-exam, and/or retroactive credit. A designated instructor will administer a written exam that evaluates your level of ability with the content of the course. A grade of B or better will qualify for test-out.

Courses that involve applied skills and/or oral performance may also require a second performance exam if you score well enough on the written exam.

Courses in Arts Management

ARTM 100. Orientation to Arts Management. 1 cr, pass/fail. Orientation to the majors in the Division of Communication. May not earn credit for both ARTM 100 and COMM 100.

ARTM 195. Introduction to Arts Management. 3 cr. Overview of the business of managing nonprofit organizations and people in arts-related professions. Awareness of the field, private and public arts agencies, and the arts in local communities.

ARTM 280. Internship in Arts Management. 2 cr, pass/fail. Initial field experience in an arts agency or campus arts office. Prereq: 100,195.

ARTM 300. Topics in Arts Management. 3 cr. Subtitle will designate area. May repeat with different subtitle. Prereq: 100, 195.

ARTM 380. Internship in Arts Management. 2 cr, pass/fail. Advanced field experience in an arts agency or campus arts office. Prereq: 100, 195, 280.

ARTM 395. Seminar in Arts Management. 3 cr. Become self-confident in dealing with the not-for-profit arts world by studying arts management topics using theoretical perspectives and case studies. Prereq: 100, 195, 280, 380.

ARTM 480. Arts Management Capstone: Externship in Arts Management. 12 cr. Placement in arts agency in a large city environment, full time for 15 weeks. Prereq: All other coursework in arts management major must be completed to enroll. GEP: XL

ARTM 485. Arts Management Capstone: Externship in Arts Management (London). 6 cr. Part-time placement through UW-Stevens Point International Programs in an arts agency in London. Prereq: All other coursework in arts management major must be completed to enroll; con reg in 6 additional credits of coursework selected in consultation with the International Programs office. (fall and spring only). GEP: XL

Courses in Communication

COMM 100. Orientation to Communication. 1 cr pass/fail. Orientation to the majors in the Division of Communication. May not earn credit for both ARTM 100 and COMM 100.

COMM 101. Fundamentals of Oral Communication. 2 or 3 cr. Introduction to and application of those principles which lead to an understanding of and facility with practical discourse. GDR: COMM; GEP: OC

COMM 160. Introduction to the Art of Film. 3 cr. Survey and appreciation of film; form and structure; representative types and styles illustrated by creators such as Hitchcock, Welles, Ford, and Eisenstein. GDR: HU1; GEP: ART

COMM 190. Evolution of Media. 3 cr. Growth, ramifications and contexts of communication media. GDR: HU1; GEP: ART

COMM 192. Constructing Media Narratives. 3 cr. Introduction to the way narratives are shaped by the conventions and constraints of specific media forms including journalism, film, television, radio, and nonlinear multimedia.

COMM 200. Communication Theory. 3 cr. Introduction to contemporary communication theories. Application of theories to communication problems.

- COMM 201. Introduction to Communication Research.** 3 cr. Types and principles of research in communication; emphasis on interpretation of various research practice in quantitative and qualitative research. So st. GEP: QL
- COMM 221. Basic Journalism: Newswriting and Reporting.** 3 cr. Learn basic skills needed to produce stories for journalism, including news gathering, writing and editing techniques.
- COMM 230. Introduction to Public Relations.** 3 cr. Introduction to theory and practice of public relations; special focus on the public relations campaign.
- COMM 240. Introduction to Organizational Communication.** 3 cr. Introduction to organizational communication theories and workplace practices. GDR: SS2; GEP: SS
- COMM 253. Media Production I.** 3 cr. Principles and techniques for media production. Fundamental hardware and software for a variety of delivery systems. Emphasis on aesthetics. External hard drive required. See Division of Communication for specifications. GEP: ART
- COMM 280. Introduction to Interpersonal Communication.** 3 cr. Investigation of and experience with communication that facilitates the establishment and maintenance of effective personal relationships. GDR: SS2; GEP: SS
- COMM 299. Special Work.** Freshman and sophomore communication majors and minors may arrange for independent study with cons division head. Credit based on scope of the project. Prereq: Cons instr.
- COMM 320. Multimedia for Journalists.** 3 cr. Principles and techniques of journalism for multimedia distribution including Web, podcasting, blogs, and other media. Prereq: 221 or cons instr.
- COMM 321. Intermediate Journalism: Newswriting and Reporting II.** 3 cr. News and public affairs reporting. Prereq: 192 and 221 or cons instr.
- COMM 322. Communication Graphics Laboratory.** 3 cr. Principles of design and their application in the preparation and production of graphic materials in the communication media industries. Subtitle will designate area. May repeat for credit with different subtitle.
- COMM 323/523. Advanced Journalism.** 3 cr. Practice in specific forms of journalistic writing such as feature, editorial, sports, science, food and travel, and others. Subtitle will designate area. May repeat for credit with different subtitle. Prereq: Cons instr.
- COMM 324/524. Environmental Journalism: Communicating About Science.** 3 cr. Supplementing basic journalistic writing with techniques in investigating and writing about science. In-depth research, analysis and communicating to varied audiences about significant environmental issues; basic reporting experience helpful but not required. GDR: EL; GEP: ER
- COMM 325/525. Media Law.** 3 cr. Legal issues for media professionals including journalists and producers of electronic media. Prereq: 190 or 230 or cons instr.
- COMM 329. Topics in Journalism.** 3 cr. Typical offerings include new journalism, photo journalism, literary journalism, journalism history, business journalism. Subtitle will designate area. May repeat for credit with different subtitle. Prereq: Cons instr.
- COMM 330/530. Public Relations Laboratory.** 3 cr. Training in methods used by institutions to relate to their respective publics. Subtitle will designate area. May repeat for credit with different subtitle. Prereq: 230 or cons instr.
- COMM 333/533. Case Studies in Public Relations.** 3 cr. Examine and critique various cases involving public relations activities and campaigns. Prereq: 230 or cons instr.
- COMM 334/534. Writing for Public Relations.** 3 cr. Training in writing press releases, newsletters, brochures, and other public relations tools. Prereq: 221, 230 or cons instr.
- COMM 336. Communication and Promotional Strategies.** 3 cr. Basic principles of promotion as they apply to various areas of communication especially relationship of promotion to print and electronic media.
- COMM 338/538. Special Topics in Public Relations.** 3 cr. Subtitle will designate area. May repeat with different subtitles.
- COMM 339/539. Crisis Communication.** 3 cr. Study various crisis communication situations including definitions, planning, reputation management and annual report communication. Emphasis on comprehensive crisis communication plan. Prereq: 230.
- COMM 342/542. Organizational Communication Laboratory.** 3 cr. Organizational communication processes such as leadership and management communication skills, communication training and development, and communication and performance appraisal process. Subtitle will designate area. May repeat for credit with different subtitle. Prereq: 240 or cons instr.
- COMM 343/543. Organizational Communication Assessment.** 3 cr. Theories and procedures for assessing communication effectiveness in organizations especially communication audit techniques and designing solutions to communication problems in organizations. Prereq: 240 or cons instr.
- COMM 345/545. Small Group Communication.** 3 cr. Study communication theories, practices, and skills used in organizations as part of group/team process. Includes group meeting skills, decision making, and group leadership. Prereq: 240.
- COMM 348/548. Special Topics in Organizational Communication.** 3 cr. Subtitle will designate area. May repeat with different subtitles.
- COMM 349/549. Organizational Communication Topics.** 3 cr. May include communication in corporate culture, communication and labor relations, organizational communication and motivation, and employee communication patterns. Subtitle will designate area. May repeat for credit with different subtitle. Prereq: 240 or cons instr.
- COMM 351. Writing for Visual Media.** 3 cr. Writing for visual media, including corporate video, multimedia, documentary, podcasting, and blogging. Prereq: 192 or cons instr.
- COMM 352. Audio Production.** 3 cr. Training in audio production across multiple formats such as sportscasting, producing non-fiction, producing fiction, and producing video post-production. May repeat for credit with different subtitles. Prereq: 192 or cons instr.
- COMM 353. Media Production II.** 3 cr. Advanced hardware and software. Create projects for variety of delivery systems. External hard drive required. See Division of Communication for specifications. Prereq: 192 and 253.
- COMM 354/554. Special Topics in Media Studies.** 3 cr. Subtitle will designate area. May repeat with different subtitles.
- COMM 356. Media Production Workshop.** 3 cr. Culminating experience in media production. Individuals and teams develop media projects for clients. External hard drive required. See Division of Communication for specifications May repeat for credit with different subtitle. Prereq: 353.
- COMM 359/559. Topics in Broadcasting.** 3 cr. Typical offerings include broadcast programming and management, criticism of broadcasting, mass media effects, and audience research. Subtitle will designate area. May repeat for credit with different subtitle. Prereq: 190 or cons instr.
- COMM 360. Film History: Beginning to 1940.** 3 cr. Development and international trends of the motion picture from late 19th century to 1940. GDR: HU1
- COMM 361. Film History: 1940 to Present.** 3 cr. Development and international trends of the motion picture from 1940 to present. GDR: HU1
- COMM 362. Topics in Film History.** 3 cr. Significant national and international trends, issues, artists in the film history such as American films of the 20-30s, American films of the 40-50s, American films of the 60-70s, films of Alfred Hitchcock. May repeat for credit with different subtitle. GDR: HU1; GEP: ART
- COMM 363/563. Film and Television Genres.** 3 cr. Examine media narrative forms that share common stylistic and narrative conventions and themes such as survey of film and television genres, the American musical film, and images of the American West. Subtitle will designate area. May repeat with different subtitle. GDR: HU1; GEP: ART
- COMM 364. Soviet Film and Culture.** 3 cr. Examine needs of art and government in a totalitarian political system. May not earn credit in both 364 and same topic of HIST 341. GDR: NW

COMM 365/565. Writing for the Media. 3 cr. Writing for specific media contexts such as ad copywriting, scriptwriting, writing for public relations. Subtitle will designate area. May repeat for credit with different subtitle. Prereq: Cons instr.

COMM 367/567. French Film and Culture. 3 cr. Study French film classics in context of French history and culture. Interdisciplinary introduction to important films and filmmakers. Evokes French café culture of passionate debate about art and social issues. GDR: HU1

COMM 369. Topics in Film. 3 cr. Typical offerings include film theory and criticism, and survey of documentary film. Subtitle will designate area. May repeat for credit with different subtitle. Prereq: 160 or cons instr.

COMM 373. Communication and Social Change. 3 cr. Study communication theories, media, methods, and strategies for affecting or resisting change in society. GEP: GA

COMM 374. Art of Criticism. 3 cr. Apply critical approaches for understanding, analyzing, evaluating, and appreciating selected forms of communication. Prereq: Jr st.

COMM 376. Multigenerational Communication. 3 cr. Examination of multigenerational communication theory and research emphasizing improving interaction quality and understanding. Prereq: Jr st.

COMM 382/582. Health Communication. 3 cr. Overview of central topics and analytic domains in health communication, including research covering the interpersonal, organizational, and mass communication levels of analysis. Prereq: jr st or cons. instr.

COMM 383/583. Interpersonal Communication in Organizations. 3 cr. Examine the theory and practice of interpersonal communication in organizational settings. Prereq: 240 or 280.

COMM 385/585. Interpersonal Communication Laboratory. 3 cr. Interpersonal communication processes such as nonverbal communication or communication strategies. Subtitle will designate area. May repeat for credit with different subtitle. Prereq: 280 or cons instr.

COMM 387. Interviewing. 3 cr. Apply skills and strategies to such interviewing contexts as: performance appraisal, selection, journalistic/probing, and persuasive. Prereq: 280 or cons instr.

COMM 388/588. Special Topics in Interpersonal Communication. 3 cr. Subtitle will designate area. May repeat with different subtitle.

COMM 389/589. Personal Communication Topics. 3 cr. Such as conflict management and interpersonal sales. Subtitle designates area. May repeat for credit with different subtitle. Prereq: 280 or cons instr.

COMM 390/590. Seminar. 3 cr. Study and discuss new development, special problem, or area of interest in the field of communication. Subtitle will designate area. May repeat for credit with different subtitle. Prereq: Cons instr.

COMM 392. Communication Ethics. 3 cr. Examine moral theories across various communication contexts. Practice in determining and defending ethical decisions. Prereq: Jr st.

COMM 394. Business and Professional Communication. 3 cr. Development of advanced skills in written and oral communication, with emphasis on audience analysis, critical thinking, and professionalism. Prereq: 101, jr st

COMM 395/595. Special Topics. 1-3 cr. Subtitle will designate communication topic. May repeat for credit with different subtitle. Prereq: Cons instr.

COMM 396/596. Communication and Gender. 3 cr. Study communication behaviors as they affect and are affected by gender.

COMM 397. Intercultural Communication. 3 cr. Theories of intercultural communication and skills that allow for effective communication between cultures. Prereq: jr st. GEP: GA

COMM 431. Public Relations Capstone. Public Relations Campaigns. 3 cr. Training in campaign planning including research. Develop themes, identify relevant publics, develop appropriate messages. Prereq: sr st, 221, 230, 334, and 3 addl 300-level credits in public relations or cons instr.

COMM 440. Interpersonal and Organizational Communication Capstone. 3 cr. Apply knowledge acquired in the major to a project in the community. May include experience with planning, conducting, and presenting research for external clients, facilitating discussion, problem solving, offering and receiving feedback. Prereq: sr st; 345 plus at least 12 cr. of IPO coursework completed or cons instr.

COMM 460. Media Studies Capstone. 3 cr. Under faculty direction, compile and construct an electronic portfolio and, working in groups, create a multimedia publication/project. Prereq: sr st; 321 or 356 or cons instr.

COMM 480. Communication Internship. 1-8 cr. Supervised field experience with a cooperating agency in fields related to communication; evaluation and review sessions with intern coordinator and agency supervisor; culminating paper. May apply 8 cr max to graduation and 3 cr max to major. Prereq: Approved comm major with jr/sr st and cons intern director. GEP: XL

COMM 485. Externship in Communication. 6 cr. Part-time foreign placement through UW-Stevens Point International Programs in a communication focused externship. 3 cr max apply to major. Prereq: 2.75 GPA in communication major; sr st; interview with division head or designee. GEP: XL

COMM 499. Special Work. Upperclass communication majors and minors may arrange for independent study with cons div head. Credit based on scope of the project. May apply 3 cr max to major.

COMM-503. Technology and Leadership. 3 cr. Impact of the information age on contemporary leadership issues.

COMM-504. Using the Internet for Creative Education and Social Change. 3 cr. Creating Internet strategies and materials for education, business, and nonprofit agencies.

COMM 701. Introduction to Communication Graduate Studies. 3 cr. Overview of historical, theoretical, conceptual, and philosophical foundations of the field of communication.

COMM 702. Seminar in Communication Research Methods. 3 cr. Examine methods used to study communication activities such as qualitative, quantitative, and historical communication research methods and applications. Subtitle will designate area. May repeat for credit with different subtitle.

COMM 720. Seminar in Mass Communication. 3 cr. Examine theory and research in mass communication. Topics such as mass communication theory, mass media effects, contemporary problems in mass media research, contemporary research in broadcasting. Subtitle will designate area. May repeat for credit with different subtitle.

COMM 730. Seminar in Public Relations. 3 cr. Examine theory and research in public relations. Topics such as comparative models, crisis communication, media effects, media relations, international public relations, public relations as practiced within various contexts. Subtitle will designate area. May repeat for credit with different subtitle.

COMM 740. Seminar in Interpersonal Communication. 3 cr. Examine theory and research in interpersonal communication. Topics such as interpersonal communication theory, analysis of dyadic communication, interpersonal skills for management, small group dynamics. Subtitle will designate area. May repeat for credit with different subtitle.

COMM 770. Seminar in Organizational Communication. 3 cr. Examine theory and research in organizational communication. Topics such as organizational communication theory, management and organizational communication, communication in corporate cultures, interpretive research in organizational settings. Subtitle will designate area. May repeat for credit with different subtitle.

COMM 780. Project Credit. 1-3 cr. If you are completing a project option for your degree, enroll in at least one credit of 780 each semester you are working on your project.

COMM 790. Seminar. 3 cr. In-depth study of a specific area of importance to communication scholars. Subtitle will designate area.

COMM 796. Independent Study. 1-3 cr. Planned study to supplement preparation in area of specialization; regular conferences with staff supervisor.

COMM 797. Colloquium. 1 cr. Presentation/discussion of current research within the profession by our faculty and students. Meets periodically throughout the semester.

COMM 799. Thesis Credit. 1-6 cr. If you are completing a thesis option for your degree, enroll in at least one credit of 799 each semester you are working on your thesis.

Communication Latent Courses: Not offered recently. See full course description in indicated (xx-xx) catalog.

252	Audio Production I, 3 cr, (07-09)
273	Reasoning and Criticism, 3 cr, (11-13)
522	Communication Graphics Lab, 3 cr. (05-07)
332/532	Public Relations Practicum, 3 cr, (99-01)
335	Advertising Copywriting, 3 cr, (11-13)
355/555	History of Broadcasting, 3 cr, (05-07)
366	Film and American Environment, 3 cr, (01-03)
371	Media Stereotyping, 3 cr, (03-05)
377	Communication and Aging, 3 cr, (99-01)
378/578	Diversity Communication Strategies, 3 cr, (99-01)
381/581	Dialogical Communication and Relationships, 3 cr, (11-13)
490	Senior Seminar, 3 cr, (01-03)
529	Topics in Journalism, 3 cr, (91-93)
560	Film History: Beginning to 1940, 3 cr, (11-13)
561	Film History: 1940 to Present, 3cr, (11-13)
562	Topics in Film History, 3 cr, (11-13)
564	Soviet Film and Culture, 3 cr, (11-13)
569	Topics in Film, 3 cr, (11-13)
xxx	Diversity Comm Option (approved 1990)
xxx	Communication Technologies Mgmt Major (approved 2002)

Communicative Disorders

(College of Professional Studies)

Julia King, Head, School of Communicative Disorders
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Web: www.uwsp.edu/comd

Faculty: D Christensen, M Day, J Elliott, C Forster, J Gilbert, D Grall, R Henning, J King, C Osborne, L Plonsker, S Reeve, S Reynolds, P Terrell, M Watson.

Definition: Communicative disorders is the study of human communication processes with application to a variety of speech, language and hearing disorders. You acquire an academic base and clinical practicum experiences for careers in speech-language pathology and audiology.

When you major in communicative disorders you have two options: (1) a major leading to educational certification, and (2) a major which does NOT lead to educational certification. No minor is available. The school's coordinator of undergraduate programs will advise you.

Communicative Disorders Major (Bachelor of Science)

Courses required at the undergraduate level:

1. Communicative Disorders, 37 credits: 108, 260, 264, 266, 267, 342, 345, 351, 352, 360, 366, 457 and 2 credits of 495.

2. BIOL 101 or 160; CHEM 100 or 101; PHYS 101 or 115.
3. PSYC, 13 credits: PSYC 110, 325, 260 or HD 265; MATH 355 or PSYC 300 (if quantitative literacy has been met).
4. Collateral courses, 6 credits.
 - a. One course from COMM 382, 385, HD 360, 363, 364; PHIL 302; POLI 306; PSYC 315, 375, 385; SOC 224, 310, 366, 467.
 - b. One course from PSYC 330, 331.
5. Communication in the Major: COMD 267, 360 and 495.
6. Capstone Experience: COMD 495.

Communicative Disorders Major Leading to Teacher Certification (Bachelor of Science)

For admission to the professional education program, you must have completed all 200 level coursework in communicative disorders and have an overall GPA of 2.75 (including transfer credits) and an in-major GPA of 3.00. Coursework consists of all the major requirements listed above, plus some or all of the following:

1. Education, 8 credits: 205, 351, 381, 382.
2. The graduate degree in speech-language pathology or audiology.

Academic Standards for Communicative Disorders Major

1. You must have an overall GPA of 2.0 to enroll in lower division preprofessional coursework for the major: COMD 108, 260, 264, 266, 267.
2. To enroll in upper division (300-400 level) preprofessional coursework you must complete the lower division preprofessional coursework with a GPA of 3.0 and have an overall GPA of 2.75.
3. You must earn a grade of C or better in required communicative disorders coursework to receive credit toward the major. You may repeat a course in the major if you follow the "Repeating Courses" policy found in the [More Academic Information](#) section of this catalog.
4. You must maintain a 2.75 GPA overall and a 3.0 GPA in this major throughout the upper division coursework.
5. If you fail to meet either the overall or the in-major GPA, you will be placed on probation in the major. You must meet the above GPAs by the end of the probationary semester to continue in the major. Only one probationary semester is allowed.
6. All courses taken in the major are used to determine your in-major GPA, regardless of a declaration of academic bankruptcy.
7. All college and university coursework will be used for any program decision, including the professional education program, enrollment in upper division

courses, and graduation. You may petition the Communicative Disorders Academic Programs Committee for exception.

MASTER OF SCIENCE DEGREE IN SPEECH-LANGUAGE PATHOLOGY

Is described in the [Graduate](#) section of this catalog.

CLINICAL DOCTORATE IN AUDIOLOGY

Is described in the [Graduate](#) section of this catalog.

Center for Communicative Disorders

Sondra Reynolds, Director of Clinical Services - Speech Pathology

Room 036, College of Professional Studies Building

Phone: 715-346-4816

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Tami Gumz, Clinical Services for Audiology Director
Room 042D, College of Professional Studies Building

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The Center for Communicative Disorders offers speech-language diagnostic and therapy services as well as comprehensive hearing evaluations for children and adults. Assessment and treatment can be provided for numerous communication and swallowing concerns that may be secondary to cleft palate, cerebral palsy, autism, laryngectomy, hearing loss, cognitive disorders, learning disabilities, stroke, traumatic brain injury, or other neurological disorders.

The Center for Communicative Disorders is a clinical training facility with a reputation for excellence in serving the university and Central Wisconsin by providing clinical services as part of the professional preparation of undergraduate and graduate students.

Courses in Communicative Disorders

COMD 108. Introduction to Communicative Disorders. 3 cr. Overview of normal speech, language, and hearing processes; survey of disorders of communication and the profession of communicative disorders (I).

COMD 260. Phonetics. 3 cr. Analysis of speech production using the International Phonetic Alphabet. Review phonetic principles as foundation for understanding normal speech production and speech differences with application of these principles to speech-language pathology and audiology. Prereq: 108 or con reg, cons instr. (II)

COMD 264. Anatomy and Physiology of Speech and Language. 3 cr. Functional anatomy and physiology of articulatory, phonatory, respiratory and central and peripheral nervous systems for human communication; embryological derivation of the orofacial complex. Prereq: 108 or con reg, so st. (II)

COMD 266. Normal Language Development. 3 cr. Introduction to normal language development in children from birth through school age with focus on processes of cognitive support for language learning, a functional model of language, and language differences in young children. Oral and written assignments address discipline-specific communication skills. Prereq: So st. (I, II)

COMD 267. Normal Development Lab. 1 cr. Prepracticum experience to become familiar with typical language behavior of preschool children. Prereq: 266 or con reg. (I, II)

COMD 342. Basic Manual Communication. 2 cr. Instruction and practice in the presentation of English through the use of manual signs and finger spelling. Prereq: Cons instr. (I, II)

COMD 345. Phonological/Articulation Development and Disorders. 3 cr. Normal acquisition of articulation and phonology. Review of underlying processes of normal articulation and phonology as a foundation for understanding basic theories and principles used to diagnose and treat children with articulation and phonological disorders. Prereq: 108, 260, 264, 266, 267. (I)

COMD 351. Audiometry. 4 cr. Nature and measurement of hearing; audiometric procedures and review of specialized tests. 3 hrs lec, 2 hrs lab per wk. Prereq: 108, 260, 264, 266, 267. (I)

COMD 352. Audiological (Re)Habilitation. 3 cr. Methods and procedures used in visual, auditory, speech, and language programming for the hearing impaired. Prereq: 351. (II)

COMD 360. Clinical Procedures. 3 cr. Principles of assessment and intervention methods for clinical management; interviewing techniques, overview of practice settings and specialties; practice in writing and editing clinical diagnostic and therapy reports. Additional professional writing such as insurance appeals and justification of services will also be addressed. Oral and written assignments address discipline-specific communication skills. Prereq: 266, 345, 366 or con reg. (I, II)

COMD 366. Language Impairments in Young Children. 3 cr. Functional approaches to management of language impaired children between birth and five years of age, including cultural differences. Prereq: 108, 260, 264, 266, 267. (I)

COMD 367/567. Language Programming in Educational Settings. 3 cr. Introduction to normal language development as a foundation of understanding language delays and disorders, including the impact of hearing loss, cultural variables, dialects, English as a second language, and disorders related to learning, emotional and cognitive disabilities. Prereq: Admission to Professional Ed Prog for special ed students; or jr or sr st in COMD. (II)

COMD 457. Introduction to Speech and Hearing Science. 4 cr. Acoustic and physiologic elements of speech production and perception; laboratory assessment; measurement of sound; anatomy & physiology of the hearing mechanism; introduction to psychoacoustics. Prereq: 260, 264, 345, 351, or cons instr., MATH 100, PHYS 115 recommended. (I)

COMD 490. Senior Seminar. 1-3 cr. Study speech-language pathology and audiology topics in seminar format. Content will vary. Prereq: Sr st, cons instr. (I, II)

COMD 495. Clinical Practicum. 2 cr. Clinical management of clients with articulation and language disorders including clinical report writing. One enrollment period (2 cr) required. Oral and written assignments address discipline-specific communication skills. Prereq: 360 and 25 hrs supervised observation. (I, II)

COMD 499. Special Work. Upperclass communicative disorders majors may arrange for independent study with cons chair. Credit based on scope of project. (I, II)

COMD 700. Professional Issues and Portfolio Development for Speech-Language Pathology Externs. 1 cr. Discuss pertinent issues related to the school externship experience, completion of the professional portfolio. Prereq: con reg 795 or 798.

COMD 710. Research Methods in Communicative Disorders. 2 cr. Become a knowledgeable consumer of research in the area of Communicative Disorders. Learn to critically review research literature in helping to make clinical decisions based on the principles of Evidence-Based Practice. Prereq: Cons instr. (Y1, II)

COMD 711. Clinical Instrumentation I. 1 cr. Graduate students enrolled in COMD 723 and 784 will be provided with information regarding the purpose for and operation of a variety of perceptual assessment and instrumental evaluations and treatment strategies for voice and fluency disorders. Gain experience in completing perceptual assessments, operating the instruments, obtaining specific measurements and interpreting the measurements for several of the characteristics associated with fluency and voice disorders. Prereq: Cons instr. (Y1, II)

COMD 712. Clinical Instrumentation II. 1 cr. Graduate students enrolled in COMD 788 will be provided with information regarding the purpose and operation of a variety of perceptual assessment and instrumental evaluations and treatment strategies for resonance disorders. Gain experience completing perceptual assessments, operating the instruments, obtaining specific measurements and their interpretation for several characteristics associated with craniofacial disorders.

COMD 713. Clinical Instrumentation III. 1 cr. Graduate students enrolled in COMD 724 will be provided with information regarding the purpose and operation of a variety of perceptual assessment and instrumental evaluations and treatment strategies for resonance disorders. Gain experience completing perceptual assessments, operating the instruments, obtaining specific measurements and their interpretation for several characteristics associated with motor speech disorders.

COMD 715. Gross Anatomy of the Head and Neck. 2 cr. Gross human anatomy for human communication; dissections of the head and neck to view structural relationships of the mechanisms. Prereq: Cons instr. (Y1, SUM)

COMD 723. Fluency Disorders. 3 cr. Research related to causes, onset, development, and maintenance of stuttering and other speech fluency disorders. Assessment and treatment of preschoolers, school-age children, adolescents, and adults. Prereq: Cons instr. (Y1, I)

COMD 724. Neuromotor Disorders. 3 cr. Critical issues in the assessment and management of motor speech disorders in children, adolescents and adults. Multidisciplinary aspects of treatment associated with dysarthria, apraxia and other developmental and acquired neuromotor disorders. Prereq: Cons instr. (Y2, I)

COMD 735. Language Disorders: School Age and Adolescents. 3 cr. Impact of language-based disorder and effect on literacy development and academic success. Includes information processing, memory, word finding, nonliteral language, problem-solving abilities using various assessments and curriculum-based intervention techniques that facilitate academic and social development. Prereq: Cons instr. (Y2, I)

COMD 738. Working with Families of Infants and Toddlers at Risk. 2 cr. Identification, assessment, program planning and intervention procedures for families of infants and toddlers with or at-risk for disabilities. Biological and environmental risk factors, management, and role of interdisciplinary teams in prevention and early intervention. Prereq: Cons instr. (Y1, SUM)

COMD 740. Aphasia and Age-related Changes. 3 cr. Examine the acquired language impairment aphasia, its impact on a person's daily life, as well as methods and techniques for assessment and intervention. Communication and aging issues are also discussed. Prereq: Cons instr. (Y1, I)

COMD 741. Cognitive-Communication Disorders. 2 cr. Examine the cognitive-communication disorders resulting from right hemisphere damage, traumatic brain injuries, an ddegenerative conditions such as dementia.

COMD 742. Seminar in PDD/Autism. 2 cr. Assessment and intervention approaches based on current theoretical perspectives of Autism Spectrum Disorders. Focus on different methods of enhancing communication and socialization abilities of this population. Prereq: Cons instr. (Y1, I)

COMD 745. Advanced Study in Phonological Disorders. 2 cr. Review contemporary issues related to articulation and phonology. Assessment and treatment strategies for clinically and culturally diverse child and adult populations. Prereq: 345 or equiv. (Y2, I)

COMD 746. Dysphagia. 3 cr. Normal swallowing function as a foundation for exploring contemporary issues in the clinical and instrumental assessment of swallowing disorders in infants, children and adults. Management procedures for swallowing disorders across the lifespan emphasizing multidisciplinary aspects of treatment. Prereq: Cons instr. (Y1, II)

COMD 763. Aural Rehabilitation/Habilitation. 1-3 cr. Counseling and intervention programs and techniques for re/habilitating communication skills of children and adults with hearing loss. Prereq: Cons instr. (Y1, SUM)

COMD 765. Augmentative and Alternative Communication. 3 cr. A lifespan approach to assess, intervene, and manage individuals who are nonspeaking because of developmental, motor, or acquired disabilities; determine and develop different communication opportunities supported by a multimodal communication approach incorporating both low and high technological approaches. Lab experiences include various voice output systems and different assistive technology computer software. Prereq: Cons instr. (Y1, I)

COMD 773. Counseling in Speech-Language Pathology. 1 cr. Explore theories and philosophical orientations to the practice of counseling in daily interactions with people with communication disorders. Practical applications for variety of needs in different settings. Scope of practice within the profession. Prereq: Cons instr. (Y1, I)

COMD 774. Professional Issues: Diversity and Multicultural. 1 cr. Evaluate and manage persons with communication disorders across diverse cultural backgrounds, personal values and beliefs. Prereq: Cons instr.

COMD 775. Medical Settings. 1 cr. Evaluate and manage persons with communication disorders within medical setting. Consider various medical settings, ethics, functional goals, and documentation (billing, reporting, etc.). Prereq: Cons instr. (Y1, SUM)

COMD 776. School Methods. 2 cr. Apply assessment and intervention skills to preK-12 public school contexts. Educational organization, legal mandates, certification/licensure, curriculum-relevant goals, collaborative roles, current professional issues. Prereq: Cons instr. (Y2, I)

COMD 784. Disorders of Phonation. 3 cr. Current trends in classification, differential diagnosis, assessment, treatment, and prevention of vocal dysfunction and resonance disorders across the lifespan. Also atypical phonation disorders, causes of laryngeal cancer, medical management of malignant tumors of the larynx, rehabilitation of laryngectomees. Prereq: Cons instr. (Y1, I)

COMD 785. Supplemental Externship in Speech-Language Pathology. 6 cr. Supplemental full-time externship during summer session in a medical setting. Extern in a medical setting after completing a school externship.

COMD 786. Cleft Palate and Craniofacial Disorders. 2 cr. Embryological development and anatomy/physiology of the facial and oral structures. Etiology of clefts and craniofacial anomalies. Multidisciplinary assessment and treatment of speech and language skills, including articulation, receptive/expressive language, resonance, voice, and feeding issues. Prereq: Cons instr. (Y1, II)

COMD 790. Seminar in Communicative Disorders. 1-3 cr. Content varies. Seminar format to study topics associated with speech-language pathology and audiology. Prereq: Cons instr. (SUM)

COMD 791. Graduate Practicum I. 1-2 cr. Evaluate and manage persons with communicative disorders in the Center for Communicative Disorders and selected off-campus facilities. Prereq: Cons instr. (Y1, I)

COMD 792. Graduate Practicum II. 2-4 cr. Evaluate and manage persons with communicative disorders in the Center for Communicative Disorders and selected off-campus facilities. Prereq: Cons instr. (Y1, II)

COMD 793. Graduate Practicum III. 3 cr. Evaluate and manage persons with communicative disorders in the Center for Communicative Disorders and selected off-campus facilities. Prereq: Cons instr. (Y1, SUM)

COMD 794. Graduate Practicum IV. 2-4 cr. Evaluate and manage persons with communicative disorders in the Center for Communicative Disorders and selected off-campus facilities. Prereq: Cons instr. (Y2, I)

COMD 795. Externship in Speech-Language Pathology. 11 cr. Full-time, one semester externship taking place in either a school setting (if you've completed DPI requirements) or in a medical setting. (Y2, II)

COMD 796. Independent Study. 1-3 cr. Prereq: Cons instr. (Y1, Y2, II)

COMD 797. Workshop. 1-6 cr. Individual and/or group projects that expand the graduate program course content. May repeat for credit with different content. Prereq: Cons instr. (Y1, Y2, II)

COMD 798. Externship for Practicing Clinicians. 6-15 cr. Externship for practicing speech-language pathologists and audiologists with Master of Science or Arts degree in communication disorders holding a Certificate of Clinical Competence from ASHA, and who wish to complete the clinical requirements established by the Wisconsin Dept of Public Instruction for certification. Consists of a minimum of 6 weeks in an educational setting. Prereq: Academic requirements for DPI license and permission of Academic Programs Committee. (SUM)

COMD 799. Thesis. 2-6 cr. (Y1, I)

Courses for Doctorate in Audiology

NOTE: All 800-900 courses require graduate status and consent of the instructor as prerequisites.

COMD 805. Diversity and Multicultural Issues. 1 cr. Evaluation and management of persons with communication disorders across diverse cultures, personal values and beliefs.

COMD 806. Professional Issues: Medical Setting. 1 cr. Evaluation and management of persons with communication disorders within a medical setting. Various medical settings, ethics, functional goals, documentation (e.g. billing, reporting, etc.). (Y2, SUM)

COMD 832. Pediatric Audiology. 3 cr. Study of normal physical, social, cognitive, speech and language and auditory development in children; causes and effects of childhood hearing loss; hearing screening and principles of early intervention; behavioral and objective assessment of hearing in children. Prereq: 850, 851, 852, 858. (Y2, II)

COMD 833. Occupational Audiology. 2 cr. Principles and issues regarding effects of noise on people; federal and state regulation of workplace noise; and practical aspects of hearing conservation for those exposed to occupational noise, non-occupational noise or both. (Y1, SUM)

COMD 834. Counseling in Audiology. 2 cr. Roles of counseling in rehabilitative process, ethical obligations of counselors. Develop awareness and skill to build trusting relationship, convey diagnostic information, inform and empower patient/consumer as to their rights and community resources, and respond to way hearing loss impacts the person's social/economic life. Prereq: 850, 851, 852, 856. (Y3, I)

COMD 835. Research Methods. 3 cr. Critical analysis of research in speech-language pathology and audiology including theoretical support, research design, statistical levels of measurement, methods of reporting research results, and drawing conclusions from results. You may pursue personal research interests. Prereq: 850, 851, 852, 854. (Y2, I)

COMD 836. Pediatric Habilitation/Rehabilitation. 3 cr. Principles and techniques of intervention with hearing impaired children. Select and fit amplification. Effect of hearing impairment on speech perception, production and language. Communication and educational options. Re/habilitation of communication skills. Prereq: 850, 851, 852, 856, 832, 863. (Y3, II)

COMD 837. Auditory and Vestibular Pathologies I. 2 cr. Survey most common peripheral auditory system pathologies and their presentation in the auditory evaluation. Prereq: 850, 851, 852, 856, 858. (Y2, II)

COMD 845. Human Balance System: Structure, Assessment, Rehabilitation. 2 cr. Human balance function with emphasis on vestibular system including neurophysiology, testing and rehabilitation. Clinical experience performing electronystagmography (ENG) and videonystagmography (VNG) examination and analyzing results. Familiarity with rotational and posturography tests and various treatment techniques. Prereq: 850, 852, 860, 862, con reg in 846. (Y2, I)

COMD 846. Lab: Human Balance System. 1 cr. Training to perform and analyze results of electronystagmography (ENG) and videonystagmography (VNG) examinations, and practice canalith repositioning maneuver. Observe administration of rotational and posturography tests. Prereq: 850, 851, 852, 837, 862, con reg in 845. (Y2, I)

COMD 849. Geriatric Diagnostics/Rehabilitation. 2 cr. Basic theories of aging, anatomical and physiological effects of aging on auditory and balance systems and resulting communication difficulties. Diagnostic and rehabilitative challenges working with elderly patients. Prereq: 850, 851, 852, 837. (Y2, II)

COMD 850. Hearing Science I: Basic Physical, Physiological and Psychological Acoustics. 3 cr. Anatomy and physiology of human auditory system; emphasis on peripheral system. Basic concepts in psycho-acoustics with reference to normal and pathological auditory systems. (Y1, I)

COMD 851. Hearing Science II: Advanced Topics in Hearing and Balance. 3 cr. Advanced terminology, concepts, theories and experimental procedures related to psychophysics, anatomy and physiology of auditory and vestibular systems. Central mechanisms of hearing and balance and role they play in psychophysical phenomena. (Y1, II)

COMD 852. Hearing Assessment. 2 cr. Diagnostic audiology including bases, purpose, rationale and procedures for tests of auditory function. Examine available evidence as bases for test selections and realizing objectives of diagnostic evaluation. Prereq: Con reg in 853. (Y1, I)

COMD 853. Lab: Hearing Assessment. 1 cr. Lab experience focusing on performance of basic audiology tests. Prereq: Con reg in 852. (Y1, I)

COMD 854. Electroacoustics and Instrument Calibration. 2 cr. Review physical concepts of acoustics and electronics underpinning the practice of audiology, as well as formally adopted standards for calibrating clinical environments, instruments, and procedures. Prereq: Con reg in 855. (Y1, I)

COMD 855. Lab: Electroacoustics and Instrument Calibration. 1 cr. Laboratory experience in electroacoustics and instrument calibration. Prereq: Con reg in 854. (Y1, I)

COMD 856. Amplification Systems I. 2 cr. Components and electro-acoustic characteristics of hearing aids and assistive listening devices. Approaches for selecting devices and verifying their fitting. Prereq: 850, 851, 852, 853, con reg in 857. (Y1, II)

COMD 857. Lab: Amplification Systems I. 1 cr. Test, fit and repair hearing aids; perform basic hearing aid tests and repairs; proper cerumen removal and ear impression techniques; use appropriate strategies in fitting. Electroacoustic evaluation and use of probe microphone measures in hearing aid fitting. Prereq: 850, 851, 852, 853, con reg in 856. (Y1, II)

COMD 858. Physiological Assessment of Auditory System I. 2 cr. Concepts and procedures in physiological assessment of auditory system with otoacoustic emissions and auditory brainstem responses. Clinical applications and case studies integrate these recordings with behavioral assessment of auditory system. Prereq: 850, 851, 852, con reg in 859. (Y1, II)

COMD 859. Lab: Physiological Assessment of Auditory System I. 1 cr. Laboratory experience in procedures and interpretation of physiological assessment of auditory system emphasizing otoacoustic emissions and auditory brainstem response. Prereq: 850, 851, 852, 853, con reg in 858. (Y1, II)

COMD 860. Physiological Assessment of Auditory System II. 2 cr. Advanced study of physiological measures audiologists use in threshold and diagnostic evaluations, including acoustic immittance, middle and long latency auditory evoked potentials, P300 and MMN. Introduction to evaluation of balance system. Prereq: 850, 851, 852, 853, 858, 859, con reg in 861. (Y2, I)

COMD 861. Lab: Physiological Assessment of Auditory System II. 1 cr. Laboratory experience in objective measures audiologists use for threshold and diagnostic evaluations, including acoustic immittance, middle and long latency auditory evoked potentials, P300 and MMN. Demonstrations, projects and case studies. Prereq: 850, 851, 852, 853, con reg in 860. (Y2, I)

COMD 862. Auditory and Vestibular Pathologies II. 3 cr. Major disorders of auditory and vestibular systems; differential diagnosis of disorders of endorgan and neural system and multisystem disorders. Causal factors, treatment and prognosis. Lectures and student presentations focus on case studies. Prereq: 850, 851, 852, 858, 837. (Y2, I)

COMD 863. Implantable Auditory Prostheses. 2 cr. Audiological management of severe to profound hearing loss using implantable auditory prostheses. Cochlear implants, introduction to auditory brainstem implant. Prereq: 850, 851, 852, 832, 856. (Y3, I)

COMD 864. Auditory Processing Disorders. 2 cr. Review auditory processing and language disorders of school age children and adolescents. Description of disorders, assessment techniques, intervention strategies. Prereq: 850, 851, 852, 832. (Y3, II) (A – alternate years with 865)

COMD 865. Practice Management. 2 cr. Nonprofit and for-profit practice models. Organizational structure, legal and tax implications, financial performance, policies and practices of personnel management, marketing strategies, risk management, professional ethics. Prereq: 850, 851, 852, 832. (Y3, II) (A – alternate years with 864)

COMD 866. Amplification Systems II. 2 cr. Strategies for fitting hearing aids including selection and recommendation, use of prescription gain formulas and verification of gain. Geriatric and pediatric hearing aid fitting and ethical issues. Basic techniques in determining patient satisfaction with hearing aids. Prereq: 850, 852, 854, 856. (Y2, II)

COMD 867. School Methods for Audiologists. 1 cr. Designed to fulfill Wisconsin's Department of Public Instruction (DPI) licensing requirements for audiologists. Apply your knowledge and skills in assessment and intervention of hearing related disorders to the public school setting. Prereq: Cons instr. (Y3, II)

COMD 891. Clerkship in Audiology. 1 cr. Introductory practicum. Acquisition of beginning skills in screening and diagnostic audiology and management of hearing loss. Training in use of audiometric instruments and software, patient interactions and reporting procedures. (Y1, I, II)

COMD 892. Clerkship in Audiology. 1-3 cr. Second year practicum. Physiologic assessment of vestibular, peripheral and central auditory systems to develop skills to assess hearing and implement treatment plans across ages. Prereq: 891. (Y2, I, II, SUM)

COMD 893. Clerkship in Audiology. 1-4 cr. Third year practicum. Practice skills in settings outside of university clinics. Develop all skills beyond introductory stage to perform assessments and treatment with less supervision. Prereq: 891. (Y3, I, II)

COMD 894. Externship in Audiology. 2-4 cr. Final practicum. Continued development of skills to assess hearing and implement treatment plans across all ages. Develop skills to mastery level to perform competently with minimum supervision. Prereq: 893.

COMD 899. Capstone Project. 2-3 cr. Independent work on capstone project. (Y3, Y4, I, II, SUM)

COMD 921. Problems in Audiology. 1-3 cr. Causes, nature and rehabilitation implications of specific hearing impairments. Prereq: Con reg in 894. (Y2, Y3, Y4, I, II, SUM)

COMD 922. Seminars in Hearing: Experimental Audiology. 1-3 cr. Explore areas of psychophysics and biophysics of audition. **Communicative Disorders Latent Courses:** Not offered recently. See full course description in indicated (xx-xx) catalog.
749 Total Communication, 3 cr, (87-89)
774 Professional Issues: Diversity and Multicultural, 1 cr, (09-11)
780 Com Dis in Children, 3 cr, (89-91)
805 Diversity and Multicultural Issues, 1 cr, (09-11)
847 Acoustics and Perception of Speech, 2 cr, (09-11)

Comparative Literature

(College of Letters and Science)

Richard Ruppel, Coordinator

Room 490, Collins Classroom Center

Phone: 715-346-3036

Email: forlang@uwsp.edu OR rruppel@uwsp.edu

Comparative Literature Minor

1. C LT 101 and 102.
2. Six credits in advanced literature courses read in a language other than your native language.
3. C LT 399.
4. Additional courses in comparative literature and English to total 21 credits, as follows:
 - a. At least 12 credits in comparative lit courses.
 - b. Additional credits selected from ENGL 310, 312, 319, 361, 362, 380.

Test-Out and Credit-by-Exam Policy for Comparative Literature

You may apply for test-out or credit-by-exam for comparative literature courses which carry general degree requirement (GEP) credit. The instructor who most recently offered the course will prepare, administer, and grade a comprehensive written exam on the material covered in the course. If you receive a B- or better on the written exam you may test-out of the GEP requirement. To be eligible for credit-by-exam you must receive a grade of B or higher on the written exam, earn a grade of B or higher on an 8-10 page paper on a literary topic covered in the course, and receive the positive recommendation of the department. Six credits maximum earned from credit-by-exam may count toward the comparative literature minor.

Courses in Comparative Literature

C LT 102. Masterpieces of the Western World. 3 cr. Comparative study of themes and literary traditions in literature of the Western World from Milton to Mann. GDR: HU2; GEP: HU

C LT 235. Non-Western Folklore. 3 cr. Introduction to folkloristics and folklore in selected Non-Western cultures. GDR: NW; GEP: GA

C LT 243. Spanish American Literature in Translation. 3 cr. Selected readings. Subtitle will indicate focus. May repeat for credit under different subtitles.

C LT 350. Special Problems. 3 cr. Special focus on one of the following: a non-English writer; a comparative study of two writers; a literary group or genre; the relationship between literature and other arts; a recurrent theme in literature. A subtitle indicating the

focus will be added each time the course is offered. GDR: HU2; GEP: HU

Comparative Literature Latent Courses: Not offered recently. See full course description in indicated (xx-xx) catalog.

- 101 Masterpieces of the Western World, 3 cr, (03-05)
- 317 Novel before 1850, 3 cr, (01-03)
- 324 Literature and the Arts, 3 cr, (07-09)
- 550 Special Problems, 2-3 cr, (87-89)
- 399 Special Work, (01-03)

Last appeared in the 83-85 catalog: 231 Tragedy, 232 Comedy, 240 Bible, 250 Asian, 251 Asian Fiction, 252 Asian Drama, 253 Asian Poetry, 300 Classical Poetry, 301 Classical Prose, 302 Medieval, 303 Renaissance.

COMPUTER INFORMATION SYSTEMS

See [Computing and New Media Technologies](#).

Computing and New Media Technologies

(College of Letters and Science)

Robert Dollinger, Chair of Computing and New Media Technologies

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COMPUTER INFORMATION SYSTEMS

Faculty: R Dollinger, D Gibbs, W. He, T Krause, S Pengnate, P Seeling, K Stern.

Abbreviations:

CIS = Computer Information Systems

CNMT = Computing and New Media Technologies

WDMD = Web and Digital Media Development

Definition: Computer Information Systems (CIS) involves the design and maintenance of information systems that enable organizations to gather, process, store, and use information for planning, control, and operations. Emphasis is placed on the analysis, configuration, and programming, security, and database aspects of the design and implementation of a computerized business information system.

The program and courses in **computer information systems** are administered by the Department of Computing and New Media Technologies.

Computer Information Systems Major (CIS) (Bachelor of Science)

Consists of at least 56 credits.

1. Core requirements:
 - a. CIS 110.
 - b. CIS 120, 210, 220, 225, 310, 341; MATH 209.
 - c. CNMT 210, 410, 480.
2. Required option: Complete 3 courses from those listed in one of the following options.
 - a. Application development and support option: CIS 340, 342, 345, 346, 444.

- b. Networking and Information Assurance option: CIS 347,353, 355, 357, 367.

NOTE: The Communication in the Major requirements are satisfied by CNMT 410 (4 cr) and CNMT 480 (4 cr). The Capstone Experience requirements are satisfied by CNMT 480 (4 cr).

Computer Information Systems Major (CIS) (Bachelor of Arts)

Consists of at least 56 credits.

1. Core requirements:
 - a. CIS 110.
 - b. CIS 120, 210, 220, 225, 310, 341; MATH 209.
 - c. CNMT 210, 410, 480.
2. Required option: Complete 3 courses from those listed in one of the following options.
 - a. Application Development and Support option: CIS 340, 342, 345, 346, 444.
 - b. Networking and Information Assurance option: CIS 347,353, 355, 357, 367.
3. Complete a two-semester sequence of university entry-level world language courses (101, 102). The requirement may be fulfilled through equivalent coursework or other language acquisition as demonstrated through a test-out policy (including Native American languages and American Sign Language). If your native language is not English and you can document formal high school or university study of your native language, then you may use ENGL 101 and 202, or ENGL 150 as a means of fulfilling this foreign language requirement.

NOTE: The Communication in the Major requirements are satisfied by CNMT 410 (4 cr) and CNMT 480 (4 cr). The Capstone Experience requirements are satisfied by CNMT 480 (4 cr).

Admission/Academic Standards for Computer Information Systems Major

1. If you declare CIS as your major, you are a "premajor" until you apply and are accepted into the major. Applications are processed in September and February each year. You should apply no later than the second semester of your sophomore year. Exceptions may be granted.
2. Before you can apply for admission to the Computer Information Systems major, you must complete CIS 110 (or WDMD 110 and 111), 120, 210 and MATH 209. You must have a GPA in these courses of at least 2.5, including transfer credits, and regardless of any declaration of academic bankruptcy.
3. We rank applicants by overall GPA and accept, at most, the top 40 each semester. The actual number admitted is based on available teaching resources.
4. You may apply for admission to the Computer Information Systems major twice.
5. You may repeat a course in the major only if you follow the policy on repeating courses found in the [More Academic Information](#) section of this catalog. If you repeat a course, only the most recent grade counts for the GPA.

6. Computer Information Systems and Math courses taken pass/fail do not count for the major.
7. You may petition the department chair to accept coursework done at other institutions, but no more than one-half the Computer Information Systems credits applied to your major may be earned outside UW-Stevens Point. The department chair may allow exceptions.
8. To maintain admitted status, you must maintain a GPA of at least 2.5 in all courses taken at UW-Stevens Point that count for the Computer Information Systems major.
9. If you do not maintain a GPA of at least 2.5 in all courses taken at UW-Stevens Point that count for the Computer Information Systems major, you will be placed on Computer Information Systems probation and will have one semester to restore your GPA. If you fail to do so, you will be dropped from the major and the only Computer Information Systems courses for which you will be allowed to register are those required to complete the Computer Information Systems minor.
10. If you are not admitted to the Computer Information Systems major, the only Computer Information Systems courses for which you will be allowed to register are those required to complete the Computer Information Systems minor.
11. Admission to Computer Information Systems classes may be limited in any semester and may be determined in part by your Computer Information Systems GPA.

Computer Information Systems Minor

Consists of at least 24 credits: CIS 110 or WDMD 110 and 111; CIS 120, 210, 220, 310; CNMT 210 or CIS 225.

Academic Standards for Computer Information Systems Minor

1. To minor in Computer Information Systems, declare your intention no later than the first semester of your sophomore year.
2. Have no more than one grade below C- in any Computer Information Systems course. If you repeat a course, the most recent grade counts. Computer Information Systems courses taken pass/fail do not count toward the minor.
3. Have a minimum 2.25 GPA in all Computer Information Systems courses, regardless of any declaration of academic bankruptcy.
4. You may petition the department for exceptions.

Test-Out and Credit-by-Exam Policy for Computer Information Systems

You may receive credit-by-exam if you have taken the APCS (Advanced Placement Computer Science) exam. If you have a score of 3 or higher, you will receive credit for CIS 110. If you have not taken the APCS exam but have significant programming experience, you may be placed into CIS 120 at the discretion of the department chair. If you receive a grade of B or higher in 120, you will then receive retroactive credit in 110.

WEB AND DIGITAL MEDIA DEVELOPMENT

(College of Letters and Science)

Robert Dollinger, Chair of Computing and New Media Technologies

Room B-246 Science Building

Phone: 715-346-4409

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Web: www.uwsp.edu/cnmt

Faculty: A Damle, R Dollinger, A Ellertson, D Gibbs, W He, T Krause, K Miller, P Seeling, K Stern.

Abbreviations:

CIS = Computer Information Systems

CNMT = Computing and New Media Technologies

WDMD = Web and Digital Media Development

The program and courses in *web and digital media development* are administered by the Department of Computing and New Media Technologies. For the most up-to-date program and course information, please visit the website www.uwsp.edu/cnmt.

The web and digital media development major uses web and digital computer technology to create, communicate and collaborate with an emphasis on applying these techniques to the world of business and commerce.

After you complete this major you will be able to develop multimedia digital presentations, CDs and websites. You will be comfortable with the design issues, aesthetic components, computer technology and media tools used in the creative process. You will also have an understanding of the creative, social and technological issues that shape our world and provide the context in which you will be employed following graduation.

Web and Digital Media Development (WDMD) Major (Bachelor of Science)

Consists of at least 60 credits (Technical Focus) OR 59 credits (Design Focus):

1. Required: WDMD 100, 200, 201, 211, 302, 312; BUS 320, 330; CNMT 210, 410, 480.
2. Electives: Complete one of two focuses:
 - a. Design focus:
 - 1) CIS 110.
 - 2) WDMD 202.
 - 3) 18 credits in WDMD courses numbered 345 and above. CNMT courses numbered 400 and above may also count with the exceptions of CNMT 410 and 480.
 - b. Technical focus:
 - 1) CIS 110.
 - 2) CIS 120, 210, 220.
 - 3) Complete one of two concentrations:
 - a) Application Development: CIS 310; and either 341 or 342.
 - b) IT Infrastructure: CIS 225 and one course from CIS 353, 355, or 357.

NOTE: The Communication in the Major requirements are satisfied by CNMT 410 (4 cr) and CNMT 480 (4 cr).

The Capstone Experience requirements are satisfied by CNMT 480 (4 cr).

Web and Digital Media Development (WDMD) Major (Bachelor of Arts)

Consists of at least 60 credits (Technical Focus) OR 59 credits (Design Focus):

1. Required: WDMD 100, 200, 201, 211, 302, 312; BUS 320, 330; CNMT 210, 410, 480.
2. Electives: Complete one of two focuses:
 - a. Design focus:
 - 1) CIS 110.
 - 2) WDMD 202.
 - 3) 18 credits in WDMD courses numbered 345 and above. CNMT courses numbered 400 and above may also count with the exceptions of CNMT 410 and 480.
 - b. Technical focus:
 - 1) CIS 110.
 - 2) CIS 120, 210, 220.
 - 3) Complete one of two concentrations:
 - a) Application Development: CIS 310; and either 341 or 342.
 - b) IT Infrastructure: CIS 225 and one course from CIS 353, 355, or 357.
3. Complete a two-semester sequence of university entry-level world language courses (101, 102). The requirement may be fulfilled through equivalent coursework or other language acquisition as demonstrated through a test-out policy (including Native American languages and American Sign Language). If your native language is not English and you can document formal high school or university study of your native language, then you may use ENGL 101 and 202, or ENGL 150 as a means of fulfilling this foreign language requirement.

NOTE: The Communication in the Major requirements are satisfied by CNMT 410 (4 cr) and CNMT 480 (4 cr). The Capstone Experience requirements are satisfied by CNMT 480 (4 cr).

Web and Digital Media Development Minor

Consists of at least 24 credits:

1. Required: WDMD 100, 200, 201, 302; CIS 110; CNMT 210.
2. Electives: 2 WDMD courses numbered 345 and above.

Academic Standards and Admission Procedures for Web and Digital Media Development Major

1. The WDMD major is open to all university students.
2. To declare a major in WDMD, complete the appropriate form available in the Department of Computing and New Media Technologies office.

Courses in Computer Information Systems

CIS 101. Introduction to Computing. 2 cr. Survey hardware, software, computing applications, Internet, current issues in technology, social implications of computing, campus computing environment. Prereq: con reg 102

CIS 102. Practicum in Computing. 1 cr. Subtitle added for each section offered. May repeat for credit under different subtitles.

CIS 110. Object-Oriented Programming. 4 cr. Introduction to object-oriented programming paradigm; definition and use of classes; fundamentals of object-oriented design; development of object-oriented programming language principles; coding in an object-oriented meta language; coding in a current object-oriented programming language.

CIS 120. Data Structures and Algorithms. 4 cr. Introduction to fundamental concepts of data structures and algorithms that proceed from them. Includes recursion, underlying philosophy of object-oriented programming, fundamental data structures, basics of algorithmic analysis. Coding and testing of representative algorithms. Prereq: 110 or WDMD 111.

CIS 210. Database Design and Implementation. 4 cr. Analyze and design databases to support computer-based information systems. Develop and program relational database management systems using SQL. Prereq: 120.

CIS 220. Object-Oriented Analysis and Design. 4 cr. Analyze and design a software system using the object-oriented paradigm and object-oriented systems development life cycle as framework. Activities done in the context of a semester-long systems application case study. Prereq: 120.

CIS 225. Data Communication and Networks (formerly 360). 4 cr. Physical basis for communication; modulation techniques; synchronous and asynchronous transmission; analog and digital signaling; multiplexing; communication hardware, software and protocols; routing algorithms; error detection and correction; basic concepts of local and wide area networks; network topologies. Prereq: 120.

CIS 300. America in the Age of Information. 3 cr. Critical assessment of impact of information revolution on American society, including contemporary life, professions, privacy, security, education, law, government and employment. Does not count for CIS major or minor. May not earn credit in both CIS 300 and AMST 300.

CIS 310. Production Programming. (formerly 313). 4 cr. Business logic of multi-tier production information systems. Implementation of entity classes and relationships, interacting with data sources and user interfaces, and developing object navigation code. Prereq: 210, 220; accepted CIS major, declared CIS minor, or declared WDMD major.

CIS 340. Advanced Techniques in Application Development. 4 cr. Advanced application development features, including exceptions, interfaces, collections, callbacks, delegates, multi-threading, advanced data access techniques, type-reflection and attribute-based programming. Prereq: 220, 310 or con reg with cons instr.

CIS 341. Interactive Web Programming. 4 cr. Examine relationship between Web servers and Web clients. Create interactive Web pages with server-side and client-side script. Pass information between pages. Store and retrieve information to and from a database. Prereq: 310 or con reg; CNMT 210.

CIS 342. Rich Internet Applications. (formerly 442) 4 cr. Examine the concepts and underlying technologies used to develop rich Internet applications, including scripting, style sheets, postback, message formatting, document object model (DOM), and the XMLHttpRequest object model. Develop interactive and responsive Web applications using these technologies in various contexts. Prereq: CNMT 210.

CIS 345. Alternate Programming Language. 3 or 4 cr. Examine an alternate programming language with emphasis on language structure. Subtitle will indicate language and number of credits. May repeat for credit under different subtitles. Does not count for the IT Infrastructure option. Prereq: Determined at time of offering based on subtitle.

CIS 346. Contemporary Topics in Computing. 3 or 4 cr. Examine contemporary and emerging topics in computing. Subtitle will indicate topic and number of credits. May repeat for credit under different subtitles. Does not count for the IT Infrastructure option. Prereq: Determined at time of offering based on subtitle.

CIS 347. Special Topics in IT Infrastructure. 3 or 4 cr. Examine contemporary and emerging topics in IT Infrastructure. Subtitle will indicate topic and number of credits. May repeat for credit under different subtitles. Does not count for the Application Development and Support option. Prereq: Determined at time of offering based on subtitle.

CIS 353. Wireless Networking and Devices. 4 cr. Introduction to fundamental concepts of different wireless network technologies, mobility of users, and mobile devices. Student projects that target different areas of wireless networking will give a deeper insight into a particular area. Prereq: 225.

CIS 355. Network Management. 4 cr. Examine core concepts in designing and managing a network infrastructure, e.g. designing and planning out a mock network, administering and configuring network equipment, and troubleshooting. Hands-on labs with network equipment and/or simulation tools. Prereq: 225.

CIS 357. Server Administration. 4 cr. Apply techniques for deployment of network services such as DHCP, DNS, SMTP, SSH, HTTP, HTTPS, printing and file sharing on both Windows and Linux server platforms. Introduction to Linux operating system including commands, utilities, shell programming, system administration, networking and Internet server capabilities. Hands-on projects. Prereq: 225.

CIS 367. Information and Network Security. 4 cr. Introduction to information and network security issues. Characteristics of information security; security law and ethics; risk assessment; operations security; cryptography. Explore security vulnerabilities, security measures, and security tools such as firewalls, tcp wrappers, tripwires and intrusion detection systems. Prereq: 357.

CIS 370/570 Computer Applications for Teachers. 1-3 cr. Examine use of computer software in a class. Integrate software into units of instruction. Develop implementation strategy that includes hardware/ software acquisition and student access. Subtitle will indicate type of software. May repeat for credit under different subtitles. Does not count for CIS major or minor.

CIS 373/573. Productivity Software for Teachers. 1-3 cr. Examine a productivity software package including a variety of applications. Subtitle will indicate type of computers and/or software such as word processing, spreadsheet or database. May repeat for credit under different subtitles. Does not count for CIS major or minor.

CIS 397. Internship in Computing. 3 or 6 cr. Participate in supervised training work program that you arrange with your adviser at a cooperating organization. Credit determined by adviser and chair. May repeat for 6 cr max. Prereq: Jr st and cons chair.

CIS 444. Advanced Database. 4 cr. Define, design and construct an enterprise data warehouse. In-depth study of techniques and algorithms for extracting useful information, such as OLAP, data mining, and creation of datamarts. Examine performance considerations. Prereq: 210; 310 or con reg.

CIS 499. Special Work. Upperclass CIS students may arrange for independent study with cons chair. Credit based on scope of project.

Computer Information Systems Latent Courses: Not offered recently. See full course description in indicated (xx-xx) catalog.

- 105 Intro to Campus Computing Facilities, 1 cr, (95-97)
- 115 Introduction to Information Systems, 3 cr, (07-09)
- 116 Introduction to Information Management, 1 cr, (07-09)
- 195/395 Seminar in Computing, 1-3 cr, (07-09)
- 205 Computer Prog/Applications for Paper Sci, 4 cr, (03-05)

- 230 Computer Organiz and Assembly Language, 3 cr, (95-97)
 - 305 Operating Systems, 3 cr, (97-99)
 - 332 Client/Server Computing, 3 cr, (07-09)
 - 335 Computers, Data Processing, and the Law, 3 cr, (95-97)
 - 351 Modeling and Simulation, 3 cr, (97-99)
 - 352 Decision Support Systems, 3 cr, (95-97)
 - 371/571 Microcomputer Operation for Teachers, 1 cr, (03-05)
 - 374/574 Internet Applications for Teachers, 1-3 cr, (11-13)
 - 375/575 Introduction to Programming for Teachers, 1-3 cr, (11-13)
 - 380/580 Adv Programming/Software for Teachers, 1-3 cr, (99-01)
 - 390/590 Special Topics, 103 cr, (01-03)
- Computer Science Education Latent Course:** Not offered recently. See full course description in indicated (xx-xx) catalog.
- 398 Student Teaching in Computer Science, 4-16 cr, (05-07)

Courses in Computing and New Media Technologies

CNMT 210. Web Design and Development I. (formerly WDMD 210) 4 cr. Fundamental principles and techniques of Web development, user-centered Web design, and basic project management. Topics include (X) HTML, CSS, JavaScript, HTTP, DOM, and tools for developing Web applications including code, graphics, and basic multimedia. Prereq: CIS 110 or WDMD 110.

CNMT 376/576. Visual Expression in New Media. 2-3 cr. Visual analysis and development of advertising, educational, training, photojournalistic, and political images. Does not count for the WDMD major or minor. GDR: HU1; GEP: HU

CNMT 410. Professional IT Communication. (formerly CIS 410) 4 cr. Examine methods of audience analysis and strategies to shape effective oral and written communication related to the field of information technology. Topics include career positioning, system documentation, Email etiquette and format, workplace ethics, social networking behavior, basic research practices, oral presentation skills, individual and group nonverbal communication in the workplace. Prereq: CIS 220 or WDMD 211; COMM 101; ENGL 102 or 150, sr st.

CNMT 420/620. Principles of Online Marketing and E-commerce. Introduction to online marketing and e-commerce, with an emphasis on practical and theoretical implementation for both business-to-consumer and business-to-business models. Includes analysis and application of various social media to both business and other institutional uses. Prereq: Cons instr.

CNMT 480. Applied System Development Project. (formerly CIS/WDMD 480) 4 cr. Apply computer programming, system design, and/or Web and digital media development concepts, principles, and practices to a comprehensive system development project; use team approach to analyze, design and document real world systems; use project management methods, project scheduling and control techniques; use formal presentations and group dynamics to solve system problems; develop a database and/or digital media artifacts to support the system. Prereq: CNMT 410; CIS 341 or both WDMD 302 and 312; sr st.

Courses in Web and Digital Media Development

WDMD 100. Media Development and Culture. 3 cr. Study of the multimedia development process including human need, cultural influences, creative thought, and legal requirements for multimedia projects. GDR: HU1; GEP: HU

WDMD 110. Introduction to Object-Oriented Computing. 2 cr. Introduction to the object-oriented paradigm. Development of object-oriented computing principles including objects, properties, classes, abstraction, aggregation, inheritance, encapsulation and polymorphism. Coding in an object-oriented meta language. Cannot receive credit in both WDMD 110 and CIS 110.

WDMD 111. Introduction to Object-Oriented Programming.

2 cr. Development of object-oriented programming techniques using objects, properties, classes, abstraction, aggregation, inheritance, encapsulation and polymorphism. Coding in an object-oriented language. Cannot receive credit in both WDMD 111 and CIS 110. Prereq: 110.

WDMD 200. Introduction to Computer Graphics. 3 cr. Survey of three common varieties of software used in Web and multimedia development, including raster-based, vector-based, and motion software. If you took WDMD 202 or 310 or 345 (Photoshop) or 345 (Illustrator) or 365, you are not eligible to receive credit for WDMD 200. Prereq: 100 or con reg.

WDMD 201. Introduction to Digital Media Creation. 3 cr. Examine core concepts related to digital media creation, including graphics, audio, video and the multimedia development process. Prereq: 200.

WDMD 202. Digital Image Development. 3 cr. Use advanced graphics and animation tools to develop digital images. Prereq: 200.

WDMD 211. Web Design and Development II. 3 cr. Concepts of client-side programming of Web applications. Introduction to one or more Web-centered languages including JavaScript and XML. Prereq: CNMT 210.

WDMD 302. Multimedia Authoring. 4 cr. Develop and create digital media including video, audio, animation. Prereq: 201.

WDMD 312. Web Design and Development III. 3 cr. Concepts of server-side programming of Web applications. Introduction to one or more Web-centered languages including PHP and SQL database. Prereq: 211.

WDMD 345. Advanced Media Development Tools. 3 or 4 cr. Use professional software tools for digital media development. Subtitle will indicate tool(s) and number of credits. Prerequisite will be determined at time of offering based on subtitle. Does not count for Technical focus of WDMD major.

WDMD 346. Contemporary Topics in Web and Digital Media. 3 or 4 cr. Examine contemporary and emerging topics in Web and digital media. Subtitle will indicate topic and number of credits. Prerequisite will be determined at time of offering based on subtitle. May repeat for credit with different subtitles. 3 cr max toward Design focus of WDMD major. Does not count for Technical focus of WDMD major.

WDMD 348. Cognitive Learning Techniques and Video Production. Explore cognitive learning methods and apply to video preparation, production, and post-production from the technical and aesthetic viewpoints. Prereq: One GEP: SS, GDR: SS1, or GDR: SS2, course plus WDMD 200 OR one GEP: ART OR GDR: HU1 or GDR: HU2 course. GEP: IS

WDMD 360. Digital Audio and Video Production. 3 cr. Nonlinear audio and video production techniques including storyboarding, scene visualization, and editing. Prereq: 302.

WDMD 362. Digital Portfolio Development. 3 cr. Advanced examination and application of professional digital portfolio components and processes. Develop, refine and present artifacts that relate to digital media design and development. Prereq: 302 and jr st.

WDMD 364. 3-D Computer Graphics. 3 cr. Develop 3-D computer modeling skills as well as introductory animation skills. Theory of design principles including scale and proportion, 3-D composition, color, etc. as applied to 3-D computer-simulated environments. Prereq: 201, 202.

WDMD 365. Digital Game Development. 3 cr. Explore the theory, design, and development of games and simulation for the Web through the use of animation and interactive programming. Prereq: 302.

WDMD 368. Advanced Digital Image Development. 3 cr. Development of advanced skills and techniques for visual storytelling across client-required media including print, web, and multimedia. Prereq: 202.

WDMD 397. Internship in Web and Digital Media Development.

1-3 cr. Participate in supervised training work program that you arrange with your adviser at a cooperating organization. Adviser and chair determine credits. May repeat for 3 cr max. Does not count for Technical focus of WDMD major. Prereq: Cons chair.

WDMD 399. Independent Study. 1-3 cr. Independent study/project development in Web and/or digital media. Adviser and chair determine credits. May repeat for 3 cr. Max. Does not count for Technical focus of WDMD major. Prereq: Cons chair.

Web and Digital Media Development Latent Courses: Not offered recently. See full course description in indicated (xx-xx) catalog.

101 Intro to Web and Digital Media Development, 3cr, (07-09)

338 Web Server Administration, 3 cr, (07-09)

COMPUTER SCIENCE

See [Computer Information Systems](#).

CONSERVATION BIOLOGY

See [Natural Resources - Wildlife Ecology](#).

COOPERATIVE EDUCATION

See [Honors Intern Program](#).

CULTURE STUDIES

See [World Languages and Literatures](#).

CYTOTECHNOLOGY

See [Health Care Professions](#).

DANCE

See [Theatre and Dance](#).

DIETETICS

See [Health Promotion and Human Development](#).

DIGITAL MEDIA/WEB DEVELOPMENT

See [Web and Digital Media Development](#), and [Art & Design](#).

DRAMA

See [Theatre and Dance](#).

EARLY CHILDHOOD EDUCATION

See [Education](#).

Earth Science**(College of Letters and Science)**

David Ozsvath, Chair of Geography/Geology

Room D-332, Science Building

Phone: 715-346-2629

Email: geoggeol@uwsp.edu

Web: www.uwsp.edu/geo

Also see the [earth science option](#) of the Natural Science major later in the catalog.

Earth Science Minor

Is administered by the Department of Geography and Geology and consists of 22 credits:

1. GEOG 101, GEOL 104, 106.
2. At least one course from each of the following groups:

- a. GEOG/GEOL 352, GEOG 353, 354.
 - b. GEOL 300, 320, 330, 370, 383.
3. Additional credits either from groups 2.a. and 2.b. above; or from the following to total 22 credits: GEOG 393 (max 3 cr), 395 (for earth science topics); GEOL 393 (max 3 cr), 395; ASTR 205 and 206 or 311.

Notes for Earth Science:

1. You may use no more than three total field experience credits (GEOL 393 or GEOG 393) to satisfy the earth science minor requirements.
2. For teacher certification in earth science, you must include ASTR 205 and 206 or 311, and at least two field experience credits in GEOG 393 and/or GEOL 393.

Academic Standards for Earth Science Minor

1. To be admitted, retained, and approved for graduation as an approved earth science minor, you must have a minimum cumulative grade point average of 2.00 (2.75 to student teach in earth science) for all courses taken within the minor, including collateral courses and regardless of declaration of academic bankruptcy.
 - a. You must complete GEOG 101 or GEOL 104 before you are admitted as an approved minor; otherwise you are a provisional minor.
 - b. If you transfer and have no credits earned at UW-Stevens Point in the minor, you will be a provisional minor until you have completed the minimum requirements.
2. If you do not maintain a 2.00 GPA, you will be placed on earth science probation and will have 2 semesters to restore your GPA. If you fail to do so, you will be dropped from the minor. The department will attempt to notify and consult with students who are at or below a 2.00 GPA. However, it is your responsibility to know your own GPA status.
3. You may repeat a course in the minor only if you follow the policy on repeating courses found in the [More Academic Information](#) section of this catalog.
4. Geology, geography, and astronomy courses taken at the 300 and 400 level on a pass/fail basis do NOT count toward the minor.

ECONOMICS

See [Business and Economics](#).

Education

(College of Professional Studies)

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Abbreviations:

COMD = Communicative Disorders
CPS = College of Professional Studies
ECED = Early Childhood Education
ECSE = Early Childhood Special Education
EDUC (or Educ or Ed) = Education
HD = Human Development
MATH = Mathematics
PEP = Professional Education Program
Psych = Psychology
WLNS = Wellness

Wisconsin Teaching Standards

To receive a license to teach in Wisconsin, you must complete an approved program and demonstrate proficient performance in the knowledge, skills and dispositions under these 10 standards. As a teacher you will:

1. Understand the central concepts, tools of inquiry, and structures of the disciplines you teach and can create learning experiences that make these aspects of subject matter meaningful for your students.
2. Understand how children with broad ranges of ability learn and provide instruction that supports their intellectual, social, and personal development.
3. Understand how students differ in their approaches to learning and the barriers that impede learning, and adapt instruction to meet the diverse needs of your students, including disabilities and exceptionalities.
4. Understand and use a variety of instructional strategies, including the use of technology to encourage your students' development of critical thinking, problem solving, and performance skills.
5. Use an understanding of individual and group motivation and behavior to create a learning environment that encourages positive social interaction, active engagement in learning, and self-motivation.
6. Use effective verbal and nonverbal communication techniques as well as instructional media and technology to foster active inquiry, collaboration, and supportive interaction in the classroom.
7. Organize and plan systematic instruction based on knowledge of subject matter, students, the community, and curriculum goals.

8. Understand and use formal and informal assessment strategies to evaluate and ensure continuous intellectual, social and physical development of your students.
9. Be a reflective practitioner and continually evaluate the effect of your choices and actions on your students, their parents, and professionals in the learning community and others. Also actively seek out opportunities to grow professionally.
10. Foster relationships with school colleagues, parents, and agencies in the larger community to support student learning and well-being, and act in an ethical manner with integrity and fairness.

PROFESSIONAL EDUCATION PROGRAM (PEP) ADMISSION PROCEDURES

If you are interested in any teacher certification program, you must officially declare your teaching intent by making an appointment with the School of Education, Advising, Recruitment and Retention Office, 715-346-2040. You must apply for conditional admission to the Professional Education Program after you complete 24 credits. Full admission to the PEP will be granted after you complete 40 credits while maintaining a 2.75 cumulative GPA. University approved credits for Advanced Placement (AP), CLEP, and test out may apply toward the 24/40 credits. Applications are available from the School of Education Advising, Recruitment and Retention Office, Room 469 CPS Building. Applications are processed two times each year, February 22 and September 22. Applications received after the deadline will be processed during the next deadline period.

In order to enroll in EDUC 200, junior and senior level early childhood and education courses, as well as some methods courses in other departments, you must be admitted to the PEP.

You must have completed the following minimum criteria and have passing scores on file in the School of Education Advising, Recruitment and Retention Office to be eligible to apply for admission to PEP. **Criteria may change at any time.**

1. Earn a 2.75 cumulative grade point average (GPA) from all accredited institutions attended. The School of Education honors academic bankruptcy and UW-Stevens Point course repeat policies at the time of admission to the PEP, but you must have a 2.75 GPA overall and a 2.75 GPA in your major, minor, concentration, and teacher certification coursework for student teaching, regardless of academic bankruptcy or GPA requirement waiver. If you declare academic bankruptcy, you must have at least a 2.75 GPA in 24 credits of courses you complete **after** declaring academic bankruptcy and any courses taken at other institutions.
2. Freshman English Requirement:
 - a. Receive a B- or better in ENGL 101 or 150
–OR–
 - b. Receive a 2.50 in ENGL 101/102 or 101/202
–OR–
 - c. Test out of ENGL 101 and 102 or 101 and 202
–OR–
 - d. Receive a grade of B- or better in ENGL 250
–OR–
 - e. Receive a passing score on the reading and writing portion of the Praxis I Test and receive grades of B or better in two writing emphasis (WE) courses
–OR–
 - f. Satisfactorily complete the required work in the Professional Writing Competency Program. (Sign up and pay fee for this program in 469 CPS.)
3. Communication Skills including Emerging Technology: receive a passing grade in Education205 lecture portion (or transfer equivalent) OR COMM 101 (or transfer equivalent). One of these courses must be completed in order to apply to the program. Courses "In Progress" do not meet the application requirement.
4. Receive passing scores on all three sections of the Praxis I Test. (Written version requirements and computer version requirements after January 2002: Reading 175, Writing 174, MATH 173. Computer version requirements prior to January 2002: Reading 322, Writing 320, MATH 318.) **Appropriate accommodations are available if you have a documented disability or if you are an English language learner. Contact the School of Education Advising, Recruitment and Retention Office for details.**
5. If you are an early childhood education major, elementary education major, special education major, or Physical Education major, you must receive a passing score of 15 or higher on the Pre-Professional Interview. You may repeat this interview once if you do not receive a passing score.
6. See the department of your major or minor for additional requirements and enrollment cap policies. All secondary/K-12 programs have additional requirements to apply.
7. If you meet the following criteria you may apply for a waiver of either the Praxis I score requirements **OR** the 2.75 grade point requirements **AND/OR** the Pre-Professional Interview score requirement by using the formal waiver application available in the School of Education Advising, Recruitment and Retention Office. If granted, this waiver allows you to apply to PEP without meeting the requirements, although your actual scores or GPA will still be used in calculating rank. Deadlines for waiver requests are September 11 and February 7.

The Department of Public Instruction limits universities to granting waivers to up to 10% of our PEP admitted student population.

- a. You will be ranked using 50% overall GPA and 50% largest score deviation. For those requesting GPA waiver, only GPA will be used.
 - b. Once you are ranked, up to 10% of each major program's semester enrollment cap will be approved first.
 - c. Remaining waiver seats will be approved by rank of remaining students.
 - d. Final waiver decisions will be determined by the SOE Waiver Committee. Waiver approvals are not appealable.
 - 1) Praxis I score waiver requirements:
 - a) Take & receive scores for Praxis I Test at least twice.
 - b) Scores cannot exceed a nine point deviation for the cut off.
 - c) Related coursework must have grades of 3.0 or higher.
 - d) Overall grade point average of at least 2.75 from all accredited institutions attended.
 - e) Twenty-four credits of instruction completed.
 - f) Copies of the Praxis I Test results from both attempts and transcripts from all institutions.
 - g) Letter explaining reasons for waiver request.
 - 2) Grade point waiver requirements:
 - a) Passing scores on all three parts of the Praxis I Test.
 - b) Twenty-four credits of instruction completed with a grade point average of at least 2.75.
 - c) Grades that show a significant improvement over a minimum of two consecutive semesters.
 - d) Copies of the latest Praxis I Test results and transcripts from all institutions.
 - e) Letter explaining reasons for waiver request.
 - 3) Pre-Professional Interview score waiver requirements
 - a) Take & receive interview score at least twice.
 - b) Overall grade point average of at least 2.75 from all accredited institutions attended.
 - c) Copies of the latest Praxis I Test results and transcripts from all institutions.
 - d) Letter explaining reasons for waiver request.
8. If you are not currently registered for coursework at UW-Stevens Point at the time you apply to PEP, please see the special rule concerning admission requirements for transfer students below.
 9. Disposition Expectations: Students admitted to the Professional Education Program will be expected to

meet disposition expectations throughout the academic program.

The Pre-Professional Interview is offered every month except July. Dates, times and locations are listed on our website. A fee is charged. The Praxis I Test is given through the ETS company for a fee and registration takes place at least four weeks in advance of a scheduled test. The Praxis I Test results are available via the web and usually take two to six weeks to view. The ETS website has information on dates, times and registration procedures for all requirements at www.ets.org/praxis

Transfer Student Admission Procedure

If you are a transfer student or have an undergraduate degree from an accredited institution, you may be admitted to the Professional Education Program (PEP) if you complete items 1-8 above, are admitted to UW-Stevens Point, and have paid the required deposit. You must attach proof of admission to UW-Stevens Point when you apply.

Enrollment Caps for PEP

Enrollment caps are in effect for some certification areas. See your major/minor department for more information.

Enrollment caps are in effect for all secondary/K-12 majors and some minors. Contact the department of your secondary/K-12 majors and minors for more information.

You may apply twice for admission to PEP in any one "program area." You are not allowed to double major in Elementary Education and Early Childhood Education. If you wish to pursue both licenses you can do so by completing the major in Elementary Education, completing an approved 22 credit major, and completing the summer ECE Add-On Program.

You may appeal if you are denied admission to the program. You may contact the School of Education for information regarding the appeal process. The School of Education Appeals Committee will handle appeals for all certification programs. If you are not admitted, you will not be allowed to pursue teacher certification or a teaching major/minor at UW-Stevens Point or register for EDUC 200, junior and senior level early childhood, education, and some methods courses.

If you do not apply to the program before you have completed 40 credits, you may be in jeopardy of taking coursework that is not necessary for an alternate program.

Block Courses

Many courses are offered in a series of "blocks." Blocks are explained on our website and in the *School of Education Advising Handbook* you will receive when you declare your teaching intent.

Science Education Program

Majors/minors included: Biology, Chemistry, Earth Science, Natural Science, and Physics

1. If you are majoring and minoring in Biology, Chemistry, Natural Science, and Physics, the Letters & Science - Science Departments' Committee on Admission to the School of Education shall oversee your application made to the School of Education. This committee shall be composed of the chair of the Departments of Biology, Chemistry, Geography and Geology, Physics and Astronomy, and the Coordinator of the Natural Science program; or their designees. The Coordinator of the Natural Science program shall be responsible for reviewing applications.
2. The Office of the School of Education shall forward your application and any appropriate time lines to the Coordinator of the Natural Science program.
3. As an applicant, you must:
 - Meet the minimum requirements for admission to the Professional Education Program as set by the School of Education. Applications are available in the School of Education Advising Office, 469 College of Professional Studies Building.
 - If you major in Biology, Chemistry or Natural Science: complete at least 10 credits in your declared science major (excluding collateral courses).
 - If you major in Physics: complete at least 10 credits in your declared science (excluding all collateral courses except Math 121)
 - Have earned a 2.75 Grade Point Average (GPA) or better in all courses required by your declared science major (including collateral courses).
4. You shall be ranked by considering your overall GPA and your GPA in all courses required by your declared science major. All transfer credits and UWSP credits will be used to determine overall and science major GPA. Science major GPA will include all collateral courses. If you declare two or more science majors, you will be ranked using the science major that gives the higher/highest ranking.
5. The overall GPA and the science major GPA will be weighted equally by simply adding these two GPAs. You will be ranked according to this GPA sum. Enrollment cap: 25 per year.
6. The two applicants with the best GPA sum from each science major (biology, chemistry, natural science, physics) will be admitted. (If you are one of the two applicants, you must meet the minimum requirements outlined in numbers, above)
7. All other science major applicants will be considered together. You will be ranked and admitted or denied admission according to your GPA sum.
8. In the event of a tie, if you have more science major credits, you will be ranked higher.
9. If you are denied admission you may appeal by sending a letter to the School of Education and the

Natural Science Coordinator with supporting documentation indicating why your denial should be reversed. This documentation could include letters of recommendation from faculty who know your current work and potential as a teacher. The deadline date will be in your denial letter from the School of Education.

10. If you are a science major (biology, chemistry, natural science, and physics) and you are denied admission to the Professional Education Program, you will be allowed to make only one more application.
11. Exceptions to these policies may be made only with a unanimous vote of the Committee.

EARLY CHILDHOOD EDUCATION

Early Childhood Education Major (Bachelor of Science)

(Early Childhood: birth through 8 years old/Early Childhood Special Education)

The Early Childhood major requires the Early Childhood Special Education (ECSE) minor. You will be licensed in both Early Childhood and ECSE ages 0-8 years.

After you have completed 24 credits, apply for admission to the Professional Education Program. For a list of the admission criteria, see that section above.

Early Childhood Education Major: Consists of 71 credits.

1. **Required:** COMD 266, ECED 262, 368, 372, 397, 460; EDUC 200, 205, 300, 302, 309, 310, 324, 325, 331, 351, 381, 382, 398, 400; MATH 228, 338, M ED 228, 338; NRES 370; and P ED 231.
2. **Required Collateral Courses:**
 - a. PSYC 110; PSYC 260 or HD 265;
 - b. Take one: ENGL 211, 212, 213, or 214.
 - c. Take one: HIST 101, 102; GEOG 113 or 120.
 - d. Take one: HIST 176, 177, or 288.
 - e. Take one of each of the science disciplines below:
 1. Physical science: CHEM 100; PHYS 100; or ASTR 100.
 2. Earth science: GEOG 105.
 3. Life Science: BIOL 100.
3. Communication in the Major: ECED 368 and 460.
4. Capstone Experience: EDUC 400.
5. **Required ECSE minor:** EDUC 365, 366, 367, and 398.
6. Pass the state-mandated content test and reading test.
7. State teacher licensing rules may change at any time due to legislative or licensing changes.
8. The Early Childhood Education Major satisfies the Interdisciplinary Studies GEP requirement. For more information, see the [GEP](#) section of the Catalog.

ELEMENTARY EDUCATION

Elementary Education Major (Bachelor of Science)

(Middle childhood through early adolescence level. Ages 6-13, approx grades 1-8)

After you have completed 24 credits, apply for admission to the Professional Education Program. For a list of the admission criteria, see that section above.

Elementary Education Major: Consists of 76 credits.

1. **Required:** A ED 322; EDUC 200, 205, 300, 302, 309, 310, 324, 325, 331, 351, 381, 382, 383, 385, 398, 400; ENGL 275; HLED 280; MATH 228, 338, 345; M ED 228, 338, 345; MUED 381; NRES 370; and P ED 231.
 2. **Collateral Courses:**
 - a. PSYC 110; PSYC 260 or HD 265.
 - b. Take one: ENGL 211, 212, 213, or 214.
 - c. Take one: HIST 101, 102; GEOG 113 or 120.
 - d. Take one: HIST 176, 177, or 288.
 - e. Take one of each of the science disciplines below:
 1. Physical science: CHEM 100; PHYS 100; or ASTR 100.
 2. Earth science: GEOG 105.
 3. Life Science: BIOL 100.
 3. **Required Minor:** Complete an approved 22-credit minor or an approved second major: art history, *biology, *broad-field social science, business administration, *economics, *chemistry, *coaching, *cognitive disabilities, communication, comparative literature, computer information systems, dance, drama, *earth science, *emotional behavioral disabilities, *English as a second language, *environmental education, *French, *geography, geology, *German, *health education, *history, *learning disabilities, *mathematics, music, *natural science, *physics, *political science, *psychology, *sociology, and *Spanish.
- (* Minors available for teacher certification). See the "[Majors, Minors, etc.](#)" chart (earlier in this Catalog) for a list of minors that were established especially to meet the needs of elementary education majors. If you would like to be certified to teach in a teaching minor, you must student teach in that minor if it is not in one of the following fields: language arts, math, science or social science.
4. Communication in the Major: EDUC 310 and 385.
 5. Capstone Experience: EDUC 400.
 6. Pass the state-mandated content test and reading test.
 7. State teacher licensing rules may change at any time due to legislative or licensing changes
 8. The Elementary Education Major satisfies the Interdisciplinary Studies GEP requirement. For more information, see the [GEP](#) section of the Catalog.

SECONDARY/K-12 EDUCATION

Secondary Education Curriculum for Teacher Certification

K-12 covers early childhood through adolescence level; ages 0-21.

Secondary/Middle covers early adolescence through adolescence level; ages 10-21.

If you complete a K-12 program in family and consumer education; foreign language (majors only); music-choral, general, instrumental; physical education; or speech and language, you will be certified early childhood through adolescence level which covers a wide range of all ages in public schools.

Enrollment caps are in effect for all secondary/K-12 programs. See your major/minor department for enrollment cap policies and additional requirements needed to apply to PEP.

Meet the following requirements:

1. Complete at least one certifiable major. You can enhance your employment options with an additional certification in a minor field. For information on the requirements for your major and minor, check with the individual departments and see the section(s) in this catalog on your field(s) of study. Note that requirements for the teaching major/minor sometimes differ from requirements for the nonteaching major/minor.
2. Take the following courses for certification:
 - a. EDUC 200 or dept equiv, 205, 300 or dept equiv, 331 (or music and physical ed majors) 351 (Communicative Disorders graduate students do not need EDUC 351), 381, 382, 385 (385 not required for Family and Consumer Sciences, Music, or Physical Education majors),
 - b.
 - 1) EDUC 386 (or ENGL 381 if you are an English major/minor),
 - 2) EDUC 390 (or ENGL 355 and 356 if you are an English major/minor). Family and Consumer Sciences, Music and Physical Education majors are exempt from EDUC 390.
 - c. Teaching methods course in major.
 - d. Teaching methods course in your minor, if you want to be certified in your minor.
 - e.
 - 1) Science majors and minors take NRES 370.
 - 2) Social science majors and minors take Econ 110 or 272, and NRES 370 (except psychology majors or minors who do not major or minor in another social science field).
 - f. One humanities course must be literature.
 - g. Among science electives, you must take one biological and one physical science.
 - h. Student teaching, 3-16 credits. 12-16 credits are required for initial licensure. Student teaching will include EDUC 400 or dept equiv. See the [Student Teaching](#) section below.
3. Achieve a 2.75 overall GPA as well as a 2.75 GPA in your major, minor, concentration, and teacher

certification courses, or be in the upper half of your class before you student teach.

4. Earn a grade of "pass" or 2.0 GPA (C) or better in all areas of student teaching. You CANNOT be certified if you do not pass or if you receive a grade less than C for student teaching in your major.
5. State teacher licensing rules may change at any time due to legislative or licensing changes.

Certification in Communicative Disorders

In this sequence you work in a public school with students of ages 0-21(early childhood through adolescence). You receive certification when you complete your master's degree. For further information, see the section entitled [Communicative Disorders](#) under [Courses of Instruction](#).

SPECIAL EDUCATION

Special Education Major (Bachelor of Science)

Teacher Certification:

1. One specialization in special education certification in middle childhood through adolescence level-special education (approx ages 6-21).
2. Or two specializations for certification in either middle childhood through early adolescence level-special education (approx ages 6-13) OR early adolescence through adolescence level-special education (approx ages 10-21).
3. If you seek additional certification, you will take the additional student teaching after graduation.

After you have completed 24 credits, apply for admission to the Professional Education Program. For a list of the admission criteria, see that section above.

Special Education Major: Consists of 75 credits.

1. **Required:** COMD 367; EDUC 200, 205, 300, 302, 309, 310, 314, 331, 351, 356, 362, 364, 368, 369, 378, 381, 382, 385, 397, 398, 400; MATH 228, 338; Math Ed 228, 338; NRES 370.
2. **Collateral Courses:**
 - a. PSYC 110; and 260 or HD 265.
 - b) Take one: ENGL 211, 212, 213, or 214.
 - c) Take one: HIST 101, 102, GEOG 113 or 120.
 - d) Take one: HIST 176, 177, or 288.
 - e) Take one of each of the science disciplines below:
 - 1) Physical science: CHEM 100, PHYS 100, or ASTR 100.
 - 2) Earth science: GEOG 105.
 - 3) Life science: BIOL 100.
3. **Specialization:** Choose one or two teaching specializations to complete the major: Cognitive Disabilities, Emotional Behavioral Disabilities, Learning Disabilities. You will student teach in each of your specializations, with no more than two in one semester. You will also be licensed to teach Cross-Categorical Special Education in the same age ranges as the specialization(s).

4. Communication in the Major: EDUC 356 and 397.
5. Capstone Experience: EDUC 400.
6. Pass the state-mandated content test and reading test.
7. State teacher licensing rules may change at any time due to legislative or licensing changes.
8. The Special Education Major satisfies the Interdisciplinary Studies GEP requirement. For more information, see the [GEP](#) section of the Catalog.

Special Education Minors for Elementary/Secondary Teachers

Early Childhood Special Education (ECSE) Minor for Teachers (birth - 8 years old)

This minor is required of early childhood education majors for initial certification. If you have completed initial certification in early childhood, elementary or special education, you may add this license after graduation.

1. Complete a major certification program in elementary, special, or early childhood education.
2. Take EDUC 365, 366, 367, 378 (ECED majors do not need 378), 398 and 400.
3. Pass the state-mandated content test and reading test.
4. Enrollment cap: 25 students admitted per year.
5. State teacher licensing rules may change at any time due to legislative or licensing changes.

Special Educational Needs Minor for Teachers

1. Professional Education: Complete a major certification program in education which includes: EDUC 309 and/or 386 (see adviser), 351, 381, 398, 400, HD 261, 265 or PSYC 260, and methods courses in your instructional areas. Certification grade levels depend on initial certification program and will include Cross-Categorical Special Education as well as the area of specialty.
2. General Special Education: EDUC 356, 362, 364, 368, 369, 378, 398 (in certification area), COMD 367.
3. Complete one of the following areas of certification:
 - a. Emotional behavioral disabilities (EBD): no additional coursework required.
 - b. Learning disabilities (LD): EDUC 310.
 - c. Cognitive disabilities (CD): no additional coursework required.
4. Pass the state-mandated content test and reading test.
5. State teacher licensing rules may change at any time due to legislative or licensing changes.

SPECIAL EDUCATION GRADUATE CERTIFICATION PROGRAMS

See the [Graduate](#) section of this catalog.

STUDENT TEACHING

Patricia Marinac, Director of Field Experiences
Room 464, College of Professional Studies Building
Phone: 715-346-2449

Email: field.experiences@uwsp.edu

In this final step in your preparation for teaching, you demonstrate practical competence in one of many schools that cooperate with UW-Stevens Point in providing field experiences. As a student or intern teacher you will be assigned to a cooperating school system within our service area depending upon your personal preferences and the availability of qualified cooperating teachers.

The Office of Field Experiences and the cooperating school administration arrange all assignments. Please do NOT initiate contact with a cooperating teacher to arrange an assignment. Student Teaching will require additional fees. Please don't plan to student teach in a school where your child is enrolled or where a relative is currently employed as an administrator or serves on the school board.

For most program areas, when student or intern teaching for initial certification, you are limited to a maximum of two assignments per semester (e.g. elementary and middle, or high school and middle). The semester before you student teach, you must attend an orientation meeting to get information about the requirements for student teaching.

Eligibility and General Requirements to Student Teach

1. Be admitted to the Professional Education Program. Apply at the School of Education Advising, Recruitment and Retention Office, Room 469, CPS Building.
2. Complete at least 12 credits at UW-Stevens Point prior to student teaching.
3. Earn a 2.75 overall GPA as well as a 2.75 GPA in your major, minor, concentration, and education courses to student teach. Earn a 3.00 GPA for teaching intern. NOTE: Some teaching majors/minors may require a higher GPA.
4. You must complete all teaching major, teaching minor and teaching methods/techniques courses BEFORE you student teach.
5. Submit passing scores on the required state Praxis II exams, ACTFL OPI and WPT Tests (foreign language majors and minors) and Foundations of Reading Test for Wisconsin (early childhood education majors, elementary education majors, and special education majors and minors) no later than March 1 (if student teaching in the fall), and October 15 (if student teaching in the spring).
6. The semester before you student teach, you must attend an application meeting and submit your completed application forms by the date set by the Office of Field Experiences. These include written recommendations from the department chair or associate dean and the School of Education Advising Coordinator, a medical statement indicating

that you have been examined and are free from tuberculosis, and a Conduct & Competency affidavit, including papers for a background check to be administered by the UW-Stevens Point Office of Field Experiences.

7. You must register for student teaching in appropriate sections and for credits as your advisers approve.
8. You will spend a full semester student teaching according to the daily schedule and semester calendar of an approved cooperating school. You will be asked to return to campus for seminars to confer with UW-Stevens Point instructors.
9. All student/intern teachers will be required to successfully complete the Education Teacher Performance Assessment during student teaching.

Student Teaching Options

Full Semester Student Teaching

You must student teach in your major. You will remain in the placement for the entire school district semester.

Split-Semester Student Teaching

You must student teach in your major in order to request another student teaching assignment. You must obtain written approval from both major and minor programs where applicable. If approved, additional assignments take place during the student teaching semester in sequences and locations coordinated by the Office of Field Experiences. Typically assignments change at the end of the school district quarter.

Internships

You may be recommended to apply as an intern teacher at any one of many levels. As an intern you are a licensed and contracted member of a school staff and you will spend an entire semester or year in that school system. During this time, you will be involved in a team providing educational services. Internships are determined by local agency requirements. To be considered for an internship program, you must earn a cumulative GPA of 3.00 or better, a 3.00 or better in your major, and a 3.00 GPA in your minor if you want to be certified in it.

TEACHER CERTIFICATION/ACADEMIC STANDARDS

Maggie Beeber, Certification Officer
Room 469, College of Professional Studies Building
Phone: 715-346-2040

Email: mbeeber@uwsp.edu

Notes for Teacher Certification:

1. You must receive a grade of C- or better in all Early Childhood Education and Education courses.
2. Early Childhood Education and Education courses taken more than 10 years prior to student teaching may not be applied to the program requirements. You may appeal the currency of courses. The Associate Dean, School of Education (ADSOE) will convene a

review panel of appropriate faculty/advising staff to make a decision about that appeal.

3. Achieve a 2.75 overall GPA as well as a 2.75 GPA in your major, minor, concentration, and education courses before you student teach.
4. Earn a grade of “pass” or a grade of C or better in all areas of student teaching. You CANNOT be certified if you do not pass student teaching in your major.
5. State teacher licensing rules may change at any time due to legislative or licensing changes.
6. For initial licensure in Wisconsin:
 - a. Successfully demonstrate competence in the Wisconsin Teaching standards through portfolios.
 - b. Determine content knowledge with passing scores on standardized tests approved by the state superintendent which include the Wisconsin Standards.
7. Applications for initial licensure are processed only after you complete all degree and certification requirements and your degree is conferred.

State and Federal Reporting

To comply with mandates of Section 207 of Title II of the Higher Education Act, www.uwsp.edu/education/Pages/default.aspx lists the number of students in teacher education, the number of student teachers, numbers of several kinds of supervisors of student teachers, and a student/faculty ratio. More statistics related to teacher certification and licensure will be included on the website as they become available.

CERTIFIABLE PROGRAMS

UW-Stevens Point offers certification in the following majors (#), secondary education minors (@), elementary education minors (◇), and graduate certifications (x). Elementary education majors may minor in any UW-Stevens Point minor, but can receive certification to teach ages 6-13 in certifiable minors. Due to changes in state requirements, this list may change at any time.

	Major	2ndry Minor	Elem Minor	Grad Cert
Biology	#	@		
Chemistry	#	@		
Coaching		@		
Communicative Disorders				x
Early Childhood Education	#		add-on	x
Earth Science		@		
Economics	#	@		
Elementary Education	#			
English	#	@	◇	
English as a Second Lang		@	◇	x
Environmental Education			◇	x
Family/Consumer Sci	#			x
French	#	@	◇	
Geography	#	@		
German	#	@	◇	
Health Education		@	◇	x
History	#	@	◇	
Mathematics	#	@	◇	
Music Ed, General	#			
Music Ed, Instrumental	#			
Music Ed, Choral	#			
Music Ed, Special Educ			add-on	
Natural Science	#			
Physical Education	#			
Phys Educ for Excep Indl			add-on	x
Physics	#	@		
Political Science	#	@		
Psychology	#	@		
Reading				x
Social Science	#		◇	
Sociology	#	@		
Spanish	#	@	◇	
Spec Ed w/specializations:				
Early Chldhood Spec Ed*			add-on	x
Emotionl/Behavrl Disab	#	@	◇	x
Learning Disabilities	#	@	◇	x
Cognitive Disabilities	#	@	◇	x

*Available only to ECSE majors or as an add-on after initial certification in ECSE or elementary

**Must also have certif major in a science or social science

NOTE: To be certified to teach at any level (elementary, secondary, K-12) you must meet **current** Department of Public Instruction (DPI) mandates. You must meet the newest requirements regardless of the requirements that were listed in the catalog when you entered the program.

Courses in Early Childhood Education

* An asterisk in front of the course number means that you must be admitted to the relevant Professional Education Program (PEP) area before you can enroll in the course.

ECED 262. Programs for Children and Families. 3 cr. Historical analysis of the development of programs for children and families; roles played by individuals, agencies, and government; current program models and techniques for program evaluation.

Prereq: HD 261, 265 or PSYC 260, or cons instr.

ECED 364/564. Curriculum and Methods for Young Children.

3-4 cr. Introduction to curriculum principle/methods for developmentally approp environment for young children in a variety of areas. Includes clinical experience. Prereq: Admis to PEP, 262 and HD 261, 265 or PSYC 260 or cons instr; 564 needs elementary license or cons instr.

ECED *366/566. Curriculum and Methods for the Emergent Reader/Writer. 2 cr. Introduction to curriculum and methods for implementing a developmentally approp emergent literacy program.

Prereq: Admis to PEP, 262, 302 and HD 261 or 265; 566 needs elementary license or cons instr.

ECED *368. Curriculum and Methods for Young Children: Art, Creative Dramatics, Creative Movement, Music. 3 cr.

Introduction to curriculum and methods for using expressive arts and characteristics of play to enhance development and learning of young children. 2 hrs lec, 2 hrs practicum per wk. Prereq: 262 and HD 261, 265 or PSYC 260.

ECED* 372. Promoting Literacy Through Children's Literature in EC Classrooms. 3 cr. Develop skills to use children's literature to promote literacy development in Early Childhood classrooms.

Prereq: HD 261, 265 or PSYC 260 and either COMD 266 or EDUC 302.

ECED *397. Supervised Practicum in the Early Childhood Regular Classroom. 3 cr. Group instruction in regular classrooms involving instructional planning, organization, classroom management, and teaching lessons with appropriate media at the early childhood level. Prereq: HD 261, 265 or PSYC 260.

ECED *398. Student Teaching. Variable cr; pass/fail. Observation and teaching under the guidance of cooperating teachers and university faculty. Subtitle will indicate kindergarten or early childhood.

ECED *460/660. Home, School, Community Agencies. 3-4 cr.

Theory and philosophy of processes used to establish positive relationships among home, school, and agency personnel. Prereq: Admis to PEP; 660 needs elementary license or cons instr.

ECED *498. Intern Teaching. Variable cr; pass/fail. Structured field experiences in approved school programs. Interns are certified by DPI and employed under contract with schools to design, deliver, and assess instructional programs in grades n-k-12.

Prereq: Complete all methods courses and 75% of content courses in approp major. Con reg in EDUC 400 may be required.

Early Childhood Education Latent Course: Not offered recently. See full course description in indicated (xx-xx) catalog.

160 Topics in Child Devel Assoc Competencies, 1 cr, (97-99)

Courses in Education

Education courses are also listed under the following headings: Biology Education, Communicative Disorders, Early Childhood Education, English Education, Family and Consumer Education, Foreign Language Education, Health Education, Instructional Resources, Mathematics Education, Music Education, Physical Education, Physical Education for Exceptional Individual.

All course descriptions are general; content, field trips, and resources may vary according to advances in the discipline, availability and accessibility of resources, and the needs of the students in each course and section.

* An asterisk in front of the course number means that you must be admitted to the relevant Professional Education Program (PEP) area before you can enroll in the course.

EDUC 100. Introduction to Education: Teaching and Schooling. 3 cr. Survey of historical, philosophical and political issues in K-12 schooling for students interested in careers as professional educators.

EDUC 101. Field Experience in Teaching and Schooling. 1-3 cr. Two-five days field experience and seminars in a school system.

EDUC 105. Study Skills. 1 cr. Develop skills in textbook comprehension, lecture notetaking, memory, listening, preparation for examinations, time management, and systematic methods of study. 1 hr class per wk; addl 1/2 hr appointments to be arranged.

EDUC 106. Workshops for College Success. 1 cr. pass/fail. Workshops in college-level writing, reading and learning (varies by section).

EDUC 135. Thinking and Feeling in Modern Media. 3 cr. Introductory investigation and application of new media, including video games and web videos. Applying interdisciplinary perspectives. Focus on adolescents' use of media and technology. GEP: ART

EDUC *200. Professional Portfolio Development. 1 cr. Introduction to state and national professional teaching standards and assessments. Examine professional development portfolio components and processes. Develop samples of evidence that relate to local and state requirements for certification and initial licensure.

EDUC 205. Pluralism for Educators. 2 cr. Analyze and evaluate education in U.S., policy of equal educational opportunity, and impact of class, gender, race, and language differences on teaching and learning. Involves lectures, discussions and presentations for pre-service teacher education students on topics mandated for initial certification programs in Wisconsin. (Wis Admin Rule PI 34.15). GEP: XL

EDUC *300. Professional Portfolio Development II. 1 cr. Advanced examination of professional portfolio components and processes. Develop samples of evidence that relate to local and state requirements for certification and initial licensure. Prereq: 200.

EDUC 301/501. Post-Secondary Learning Theory and Practice. 1-3 cr. Subtitle will designate area and prerequisites. Prereq: Cons instr. GEP: XL

EDUC *302. Methods/Materials for Teaching Reading I. 3 cr. Introduction to reading process, includes word recognition, vocabulary, comprehension study strategies and classroom organization for elementary/secondary school. Satisfies state mandate for phonics.

EDUC 305/505. Wisconsin Indians: Cultural Perspectives on Educational Issues. 3 cr. Analyze and evaluate federal and state policies and laws pertaining to Wisconsin American Indian tribes and band members' treaty rights and civil rights, particularly in respect to culture, language, and education. Prereq: 205.

EDUC *309/509. Methods/Materials for Teaching Reading II. 3 cr. Materials/methods of reading instruction: basic approaches, research, assessment, preventive/corrective measures. Includes Wis Teaching Standards. Prereq: 302, or cons chair for 309 only.

EDUC *310. Materials/Methods for Teaching Language Arts. 3 cr. Materials/methods to teach, integrate, assess the language arts in middle/elementary setting. Includes Wis Teaching Standards. Prereq: 302 or cons chair.

EDUC 311. Techniques for Intermediate/Upper Grades – Mathematics, Social Studies, Science. 4 cr. Principles, aims, methods, techniques. 3 hrs lec; observation/lab hrs to be arranged.

EDUC 314. Nature and Needs of the Gifted. 2 cr. Introduction to gifted education presenting characteristics of gifted children and their needs as learners. Prereq: 351.

EDUC 315. Fundamentals of Facilitating Enrichment Programs for High Ability Learners. 1 cr. Facilitation of university enrichment programs for high ability children. Identification of traits associated with high ability learners including social and emotional issues. Concepts and procedures of program design and implementations. Program evaluation and analysis. May be repeated for credit. Prereq: Con reg in 314 or cons instr.

EDUC 316. Leadership in Facilitating Enrichment Programs for High Ability Learners. 1 cr. Facilitation of university enrichment programs for high ability children. Identification of traits associated with high ability learners including social and emotional issues. Concepts and procedures of program design and implementation.

Program evaluation and analysis. Training of small groups of adults to facilitate enrichment programs. Prereq: Cons instr.

EDUC 321. Techniques in Elementary School–Speech. 3 cr. Methods, materials, and philosophy for teaching speech in elementary school; curricular correlation.

EDUC *324. Techniques in Elementary School–Social Studies. 3 cr. Principles, aims, methods, techniques, and field experiences. 2 hrs lec, 2 addl hrs to be arranged per wk.

EDUC *325. Techniques in Elementary School–Science. 3 cr. Principles, aims, methods, techniques, and field experiences. 2 hrs lec, 2 addl hrs to be arranged per wk.

EDUC *328/528. Reading in the Content Areas. 3 cr. Skills for teaching reading in content areas, related research, strategies for teaching comprehension, study skills, and critical thinking; procedures for curriculum and program development for teachers and reading specialists. Prereq: 309 or 386/586 or ENGL 381.

EDUC 331/531. Educational Technology. 3 cr. Use and apply media and technology to foster active inquiry, collaboration, and supportive interaction. Develop knowledge, skills, and dispositions in effective instruction and other communication. Prereq: Admission to relevant Professional Education Program.

EDUC 335. Advanced Analysis of Modern Media. 3 cr. Advanced investigation and appreciation of new media, including video games and web videos. Applying interdisciplinary perspectives. Investigation of implications for adolescent development. GEP: ART

EDUC *337. Techniques in Secondary Education–Science. 3 cr. Aims, methods, materials, techniques, planning, programs, organization, testing, and field experience.

EDUC *339. Techniques in Secondary Education–Social Studies. 3 cr. Aims, methods, materials, techniques, planning, programs, organization, testing, and field experience.

EDUC *351/551. Educating Students with Special and/or Other Needs in the General Education Environment. 3 cr. Characteristics and differences of students with disabilities, gifts/talents abilities, or culturally diverse backgrounds; alternative teaching approaches emphasizing the least restrictive environment. Practicum is required. Prereq: PSYC 110.

EDUC *356/556. Individual Assessment. 3 cr. Screening, referral and individual assessment relating to M-team procedures; report writing, decision making, and IEP program planning; monitor ongoing progress; learn administration and interpretation of norm-referenced and criterion-referenced individual assessment tests including recording behavioral data, using rating scales and curriculum-based assessment; field experience. Prereq: 351/551.

EDUC *362. Classroom Management Techniques and Strategies. 3 cr. Comprehensive management of behavior problems of children and adolescents in general education and special education settings classrooms for students with disabilities.

EDUC *364/564. Curriculum and Methods for Teaching Students with Disabilities I. 364=3 cr; 564=1-3 cr. Methods, materials and adaptations for teaching reading, writing, and mathematics to meet the needs of students with disabilities in the general education curriculum, including development, implementation, and evaluation of IEPs. Required field experience. Prereq: 351/551.

EDUC *365/565. Assessment and Intervention Strategies for Infants and Toddlers with Disabilities and Their Families. 3 cr. Develop skills in assessment procedures to use with newborn, infants, and toddlers up to age three having high risk and/or disabilities; work in cooperation with family members and related services professionals. Includes field experience. Prereq: 351/551.

EDUC *366/566. Assessment/Intervention Strategies for Preschool Children with Disabilities and Their Families. 3 cr. Develop skills in assessment procedures and intervention strategies to use with preschool children (3-5 years) having at-risk situations and/or disabilities; work in cooperation with family members and related services professionals. Includes field experience. Prereq: 351/551 or cons instr.

EDUC *367/567. Assessment and Intervention Strategies for Children with Disabilities in the Primary Grades and Their Families. 3 cr. Develop skills in assessment procedures and intervention strategies to use with children ages 5-8 years experiencing kindergarten and primary curricula, early academic skills, and social/behavioral areas; work in cooperation with family members and related service professionals. Field experience. Prereq: 351/551 or cons instr.

EDUC *368/568. Career, Vocational and Community Education for Youth with Disabilities. 368=3 cr; 568=1-3 cr. Procedures and methods in assessing needs, adapting curriculum, and providing instruction in career and vocational education, community skills, personal and interpersonal skills, and transition to adult environments. Prereq: 351/551, or cons instr.

EDUC *369/569. Curriculum and Methods for Teaching Students with Disabilities II. 3 cr. Teaching strategies, curricular adaptations, and methodology at elementary and secondary levels in the areas of science, social sciences, and behavioral interventions and other aspects of teaching students with disabilities. Includes field experience. Prereq: 351/551.

EDUC 370-373/570-573. Workshop in Education. 1-3 cr. Problems of teaching in elementary and secondary schools. Subtitle will designate area and prerequisites.

EDUC *378. Parent, Home and Agency Involvement in Educating Children and Youth with Disabilities. 3 cr. Develop understanding of familial needs, behaviors and perspectives for all family members; cite resources/ intervention to be applied to families having a child with a disability; learn interaction and communication techniques to use with family and community agencies. Prereq: 351/551.

EDUC *381. Educational Psychology. 2 cr. Psychological bases of educational procedures and practices; educational implications of characteristics of physical and mental growth, emotional behavior, motivation, learning, individual differences, and human relations. Prereq: PSYC 110.

EDUC 382. Managing Learning Environments. 1 cr. Theories and strategies in classroom management, student behavior management, and learning communities. Prereq: Admission to Professional Education. Prereq: 381 or con reg 381.

EDUC *383/583. Educational Assessment. 3 cr. Develop understanding of the role assessment plays in determining student learning, evaluating and guiding instruction, and empowering teachers and students with useful data and evidence.

EDUC 384/584. Humans, Computers, and Educational Possibilities. 3 cr. Compare abilities of humans and sophisticated machines: definition, differences, strengths and weaknesses; computer capability; social costs and risks.

EDUC *385/585. Teaching the Early Adolescent. 3 cr. Characteristics of early adolescents and instructional strategies appropriate to their needs. Prereq: 381 or cons instr.

EDUC *386/586. Literacy in the Secondary School. 3 cr. Survey of issues, research, theory, process, and strategies that constitute literacy in secondary school including a clinical experience.

EDUC *390/590. Reading and Writing for Content Understanding. 3 cr. Analyze and explore how reading and writing support content learning in secondary school. Develop strategies and learning activities that integrate reading and writing in content area studies. Prereq: 386 or cons instr.

EDUC *397. The Competent Special Educator: Course Content into Practice. 3 cr. Complete the multiple skill components required of a special educator: special education assessment (selecting, completing, scoring, interpreting, and describing), development of the full individualized education plan and behavior intervention plan, conducting IEP meetings, consulting with general educators, and adapting assignments to meet the individualized needs of a student. Engage in activities related to professional practice and ethics. Practicum is required. Prereq: Completion of Block II special education courses; permission of instructor required.

EDUC *398. Student Teaching. Variable cr; pass/fail. Certifiable field experiences. Six to 20 weeks in actual school settings planning, instructing, and evaluating educational programs with the cooperation of certified teachers and administrators. Subtitle will designate area. Prereq: Approval of each certifying department; application with Field Experiences; con reg in approp section of 400.

EDUC 399. Special Work. Upperclass education students may arrange for independent study with consent of the head of the School of Education. Credit based on scope of project.

EDUC *400. Seminar on Teaching for Intern Teachers. 1-2 cr; pass/ fail. Structured group discussions on aspects of teaching that emerge during full-time field experiences. Prereq: Con reg in 398 or 498.

EDUC 491. Gifted/Talented Education Foundations. 3 cr. Overview of history and definitions. Emphasis on development, characteristics, and individual learning differences of students with gifts and talents. Identification strategies. Exploration of relevant issues and trends. Prereq: Cons instr.

EDUC 492. Gifted/Talented Curriculum Methods. 3 cr. Curriculum methods designed specifically for identified students with gifts and talents in specialized programs. Curriculum differentiation and instructional strategies/techniques for students with gifts and talents in the general education classroom. Planning of the Differentiated Program Plan. Professional and ethical teaching practice. Prereq: 491 or 797 or cons instr.

EDUC *498. Intern Teaching. Variable cr; pass/fail. Structured field experiences in approved school programs. Interns are certified by the DPI and are employed under contract with schools to design, deliver, and assess instructional programs in grades n-k-12. Complete all methods courses and 75% of content courses in approp major. Prereq: Con reg in approp section of EDUC 400 may be required.

EDUC 598. Graduate Internship. 1-6 cr. Certifiable field experience for licensed educators seeking additional license endorsements under Wisconsin Department of Public Instruction rules. Prereq: Wisconsin educator license.

EDUC 701. Philosophical Foundations of Education. 3 cr. Analyze critical issues in education; their ideological and social bases. Prereq: Teacher certification or cons instr.

EDUC 702. Psychological Foundations of Education. 3 cr. Psychological background relative to human abilities and behavior; individual differences; human relations; learning and evaluation with implications for teaching.

EDUC 703. Newer Views of Learning. 3 cr. Explore contemporary views on multi-dimensional and contextual nature of intelligence and learning styles. Investigate theories such as multiple, emotional, successful, and creative intelligence; re-examine importance of learning styles and methods (modalities) for constructing optimal educational experiences.

EDUC 704. Strategies for Discipline and Classroom Management. 3 cr. Develop effective strategies for solving individual behavioral problems; survey several models and interaction techniques to use in general and special education settings for students with disabilities.

EDUC 705. Basic Statistical Methods in Education. 3 cr. Fundamentals of statistical analysis that apply to education and other fields according to student needs; critical ratios and the test for paired, pooled, and unpooled samples; straight line and curvilinear regression for simple and multiple correlation of variables; introduction to the use of probability, simple and two-way analysis, chi square, and other nonparametric statistics.

Prereq: 383/583, or 751; and cons instr.

EDUC 707. Educational Research. 3 cr. Study educational research procedures and develop an educational product or paper, involving problem identification, literature review and analysis, description, and evaluation.

EDUC 708. Social and Cultural Foundations of Education. 3 cr. Relationship between schooling and society; impact of society and culture on education and individuals within educational institutions; emphasis on educational processes, development, and outcomes from multiple theoretical and research perspectives including human relations with implications for teaching.

EDUC 717. Economic Education for Elementary and Secondary Teachers. 3 cr. Introduction to basic economic principles and issues; identify resources for economics instruction at elementary and secondary levels; design lessons and activities for integrating economics education across the curriculum. Open to experienced, certified teachers. May not earn credit in both EDUC 717 & ECON 717.

EDUC 721. Fundamentals of Curriculum. 3 cr. Fundamental ideas in developing curriculum, emphasizing human aspects.

EDUC 726. Models of Teaching and Learning. 3 cr. Cohesive curricular components representing a broad array of educational philosophies and teaching methods in social, information-processing, personal, and behavioral models. Each model has distinctive curricular orientation and direct link to supportive instructional environments and curricular methods.

EDUC 740. Reading Teacher Portfolio. 1 cr. Compile personal/professional portfolio representing professional growth based on balanced literacy instruction, diagnosis and evaluation of reading difficulty, supported reading practices, clinical case study. Prereq: Con reg in 741.

EDUC 741. Improvement in Reading. 3 cr. Trends and programs in developmental reading, reading curriculum, and related research. Prereq: 309.

EDUC 742. Literacy and the Young Child. 3 cr. Study social and developmental aspects of literacy, including research, programs, and instructional strategies. Prereq: 309, 310, or teaching license.

EDUC 746. Diagnosis and Evaluation of Reading Abilities. 3 cr. Survey formal and informal evaluation instruments in reading; test to identify remedial readers, construct diagnostic profiles, write interpretations of test results. Prereq: 309, 741.

EDUC 747. Supported Literacy. 3 cr. Materials and techniques of supported literacy. For classroom teachers, reading teachers, and administrators of reading programs who are responsible for instruction, curriculum development, and leadership. Prereq: 309, 741, 746.

EDUC 748. Supported Literacy Practicum. 3 cr. Clinical appraisal of students in literacy programs. Interpret findings, develop and implement corrective measures with continuous analysis and evaluation of students. Final report describing student literacy behaviors, techniques and materials used, and recommendations for post-clinical instruction. Prereq: 741, 746, 747, or con reg.

EDUC 749. Teacher Action Research in Reading. 3 cr. Qualitative action research applied to teaching reading. Prepare, conduct, and report on classroom reading/writing research. Prereq: Cons instr.

EDUC 750. Supervision and Administration of Reading Programs. 3 cr. Organization, administration, supervision, and improvement of school reading programs. Apply qualitative action research to examination of school reading programs. Prereq: 749 or cons instr.

EDUC 751. Wisconsin Reading Research Symposium. 1 or 3 cr. Influence/impact of contemporary issues in literacy on reading educators and student reading achievement. Participate in Wis Reading Research Symposium.

EDUC 758. Cooperating Teacher Fundamentals in Preservice Teacher Education. 1 or 3 cr; pass/fail. Methods for planning, supervising, and evaluating student and intern teachers in clinical stages of teacher education programs, with emphases on formative assessments and summative evaluation according to state and national teacher standards. Meets one Wis DPI rule to qualify as cooperating teacher, per Wis Admin Code PI 34.15(6). This course is offered fall and spring semesters for 1 credit in an online format, and offered in the summer for 3 credits in a hybrid format. Prereq: WI Teaching License and 3 years experience.

EDUC 761. Mentor Teaching: Research and Practice. 1-3 cr; pass/ fail. Sociological, psychological and pedagogical approaches to design and implement programs for mentor teachers. Practical methods for supervising and assessing teachers according to established standards for professional development. Prereq: Wis teaching license.

EDUC 771. Supervision of Instruction. 3 cr; pass/fail. Evolving concepts and strategies of supervision; role of supervision in facilitating professional development; place of supervision in evaluating curriculum and instruction; develop systems to observe and analyze classroom instruction.

EDUC 772. Teacher Induction Year. 1 cr. pass/fail. Survey issues and practices encountered by beginning and experienced teachers new to school districts during induction year and through third year of teaching. May be repeated for up to 3 credits provided there is a new focus for each year. Prereq: Wis teaching license and contract.

EDUC 774. Advanced Methodology in Special Education. 3 cr. Topics: Severe learning disabilities; severe emotional/behavioral disabilities; severe cognitive/intellectual disabilities; twice-exceptionality; autism spectrum disorders; self-advocacy/life skills. May repeat for credit with different topic and approval of grad coord. Prereq: Undergrad degree, 351/551, special ed certification, or cons instr.

EDUC 775. Alternate Assessment. 3 cr. Emphasis on assessment and evaluation strategies excluding standardized tools. Topics include implementation of state mandates and procedures, design of alternate measures based on content taught in public schools, and formulation of observation and informal measures.

EDUC 778. Parent, Home and Agency Involvement in Educating Children and Youth with Disabilities. 1-3 cr. Develop understanding of familial needs, behaviors and perspectives for all family members; cite resources/intervention to be applied to families having a child with a disability; learn interaction and communication techniques to use with family and community agencies. Prereq: 351/551.

EDUC 780. Curriculum Development, Evaluation and Implementation. 3 cr. Explore how curriculum processes (development, evaluation and implementation) involve various individuals of various beliefs and values. From this comprehensive base concept, you will utilize curriculum concepts to meet the needs of your individual learners: general education, special education and other unique needs. Prereq: Undergrad degree, 351/551.

EDUC 781. Teaching Students with Disabilities Practicum -Internship. 1-8 cr. Professional practice in teaching children with disabilities. Subtitle will designate practicum or internship and specialization area(s). Prereq: Specialization courses.

EDUC 782. Action Research: Single Subject Design. 3 cr. Focus on research methodology and topics specific to the field of education. Complete an action research project surrounding an issue of interest/need in your classroom or program through the use of a single subject design. Examine existing research and determine how it may apply to your classroom/program.

EDUC 783. The Reflective Teacher. 3 cr. Renew the spirit of teaching. Explore ways to find balance between professional and personal life; examine professional possibilities; develop clear professional goals; create projections about professional future; examine problems, rewards, and realities inherent in teaching through self-analysis and development of professional portfolio.

EDUC 784. The Creative Teacher. 3 cr. Experience the creative process through readings, active explorations, hands-on and creative exercises to understand the diverse definitions of creativity, be sensitive to its layers and facets, and bring it into the classroom.

EDUC 785. The Skillful Teacher. 3 cr. Explore teaching models and best practices in education. Learn methods to align a comprehensive assessment plan with instruction and learn to interpret results to make sound educational decisions about instructional design.

EDUC 786. Foundations of Alternative Education. 3 cr. Introduction and overview of effective teaching practices in alternative education settings; specific responsibilities associated with students at risk, including development and implementation of learning plans. Prereq: Valid teaching license.

EDUC 787. Alternative Education Program Development: Curriculum, Methods and Assessment. 3 cr. Introduction and overview of curricula, methods and assessments or administrative practices for students with alternative learning needs; focus on instructional and administrative practices necessary to accommodate students with alternative needs and abilities. Prereq: Valid teaching license; EDUC 786.

EDUC 790. Analysis and Improvement of Educational Programs. 1-3 cr. For school district in-service needs. Topic and number of credits vary. Prereq: Teaching experience.

EDUC 791. Foundations of Gifted/Talented Education. 3 cr. Overview of history and definitions. Emphases on development, characteristics, and individual learning differences of students with gifts and talents. Identification strategies and program options in the field of gifted/talented education. Introduction to current literature as well as exploration of relevant issues and trends.

EDUC 792. Curriculum Methods for Teaching Students with Gifts and Talents. 3 cr. Curriculum methods designed specifically for identified students with gifts and talents in specialized programs. Curriculum differentiation and instructional strategies/techniques for students with gifts/talents in the general education classroom. Integration of cognitive/affective domains as well as creative and critical thinking skills. Collaboration techniques. Planning of the Differentiated Program Plan. Professional and ethical teaching practice. Prereq: 791 or cons instr.

EDUC 795. Practicum in Teaching Students with Gifts and Talents. 1-3 cr. Observe educational programming for, plan instruction of appropriate learning experiences for, and teach students with gifts/talents using specifically designed methodologies. Program and self-evaluation. Prereq: 791 and 792 or cons instr. May take twice with cons instr.

EDUC 796. Independent Study. 1-3 cr. Planned study to supplement preparation in area of specialization; regular conferences with staff supervisor.

EDUC 798. Reading Specialist Portfolio. 1-3 cr. Compile personal/ professional portfolio representing professional growth in best literacy teaching practices, reflection in teaching, life-long learning, risk-taking/embracing change. Prereq: 528, 749, 750, 751 or cons instr.

EDUC 799. Thesis. 2-6 credits.

Education Latent Courses: Not offered recently. See full course description in indicated (xx-xx) catalog.

241	Creative Activities for Young Children, 3 cr, (87-89)
280	Foundations in Education, 3 cr, (01-03)
327/527	Teach Reading to Gifted/Talented Students, 3 cr, (01-03)
352/552	Workshop in Mental Health, 4 cr, (01-03)
380	Education Principles, 2 cr.
391	Teaching Minorities, 3 cr, (01-03)
395/595	Teaching in Middle School, 3 cr, (01-03)
500	Professional Development Seminar: Initial Educator, 1-3 cr, (11-13)
588	Interpersonal Relations, 3 cr, (11-13)
600	Professional Development Seminar: Professional Educator, 1-3 cr, (11-13)
700	Professional Development Seminar: Master Educator, 3 cr, (11-13)

706	Experimental/Statistical Methods in Ed Rsrch, 3 cr, (91-93)
711	Seminar: Problems in Elementary Teaching, 3 cr, (91-93)
712	Seminar: Problems in Secondary Teaching, 3 cr, (91-93)
717	Economic Education for Elementary and Secondary Teachers, 3 cr, (07-09)
724	Reducing Classroom Conflict, 3 cr.
728	Clinical Supervision of Instruction, 2-3 cr, (91-93)
732	Integrating Language Arts Across the Curriculum, 3 cr, (11-13)
733	Elementary School Science, 3 cr, (01-03)
734	Elementary School Social Studies, 3 cr, (91-93)
735	Leadership for Curriculum Change, 3 cr, (01-03)
752	School Law for the Teacher, 3 cr, (01-03)
765	Professional Experience: Secondary, 8 cr, (91-93)
789	Social and Emotional Needs of Gifted, 1-3 cr, (01-03)
793	Issues in Gifted/Talented Education, 3 cr, (01-03)

ELEMENTARY EDUCATION

See [Education](#).

ENGINEERING

See [Paper Science and Engineering](#) and [Physics](#).

English

(College of Letters and Science)

Michael Williams, Chair

Room 486, Collins Classroom Center

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Faculty: D Arnold, M Balhorn, R Barnett, J Berry, M Bowman, C Brickner, WJ Coletta, M Davis, D Dieterich, B Dixon, P Dyjak, K Eiler, E Felt, G Folkins, P Gott, T Kuribayashi, D Kuzmanovic, W Lawlor, R Lorenz-Schumacher, W Mahon, J Marshall, L Morgan, T Nowak, S Pogell, D Roloff, L Schmeling, M Sievert, R Sirabian, J Snowbarger, M Steffes, R Stephens, C Williams, M Williams.

Definition: English is the study of literature, language, literary theory, rhetorical theory, and culture, with the simultaneous development of effective writing skills.

English

Assessment/Placement Procedure

All entering freshmen take the freshman English entrance assessment that measures writing competence based on an essay composed at the university during orientation. If your performance on the writing assessment indicates superior writing ability, you may be exempt from ENGL 101 and placed in ENGL 150. Successful completion of ENGL 150 then satisfies the freshman English requirement.

Notes for English:

1. English majors (general and teacher certification) should take ENGL 201 as early as possible. In some cases ENGL 200 may substitute for 201 with permission of the department chair.
2. Sophomores may take 300 level courses with approval of the department chair. English majors

may take 200 level courses as second semester freshmen.

3. ENGL 345, 375, and 381 count toward the English major/minor and the writing minor ONLY for those seeking teacher certification, or for those who need them as collateral requirements in other departments.
4. ENGL 274 and 275 will count for the English major/minor for teacher certification ONLY if you need them as collateral requirements in another area such as elementary education.

English Major (General) (Bachelor of Arts)

Consists of 38 credits beyond freshman English including 24 credits taken in courses numbered 300 and above.

1. ENGL 201. This will satisfy the Communication in the Major requirement (in conjunction with 6 credits from 330, 333, 334, 336, 385, 386).
2. Survey of British literature, 6 credits from 211 (or 321, 323a, 323b, 366) and 212 (or 324, 325, 327).
3. Survey of American literature, 6 credits from 213 (or 329, 313a) and 214 (or 313b, 320, 360, 382).
4. Ethnic literature, 3 credits: ENGL 284.
5. Theory, 3 credits from 379, 380 or 384.
6. Language, 3 credits from 240, 342, 344, 346.
7. Masters, 6 credits from 330, 333, 334, 336, 385, 386.
8. Senior Project, 1 credit: 494 (1 credit of 496 may substitute). This will satisfy the Capstone Experience requirement.
9. Electives: 7 credits including one 3 credit 300 level literature course beyond the requirements above and at least 4 credits of electives from:
 - a. Courses listed above that are not used for those requirements.
 - b. Other English courses: ENGL 303, 308, 309, 310, 311, 312, 314, 319, 349, 350, 351, 352, 353, 354, 357, 358, 359, 361, 362, 363, 364, 365, 374, 376, 377, 378, 379, 380, 383, 388, 389, 395, 496, up to 3 credits of 498.
 - c. Maximum of 3 credits of ENGL 157, 257, 357, 399.
10. Complete a two-semester sequence of university entry-level world language courses (101, 102). The requirement may be fulfilled through equivalent coursework or other language acquisition as demonstrated through a test-out policy (including Native American languages and American Sign Language). If your native language is not English and you can document formal high school or university study of your native language, then you may use ENGL 101 and 202, or ENGL 150 as a means of fulfilling this foreign language requirement.

English Honors

English Honors provides outstanding English majors the opportunity to demonstrate their ability to produce scholarly, creative, or pedagogical work comparable with that published in discipline-appropriate academic

journals. To graduate with the designation “English Honors” you must:

1. Have a 3.5 GPA in the English major.
2. Complete the requirements for the English major including ENGL 496, Honors Project (3 cr) and its prerequisite, ENGL 495 (3 cr pass/fail which do not count toward the major). This will satisfy the Capstone Experience (Honors) requirement.

Contact the English Department for application procedures and complete requirements for the two-semester honors project.

English Major for Teacher Certification

Consists of requirements for the English major above plus:

1. Writing, 3 credits from 250, 251, 253, 254, 349, 350, 351, 352, 353, 358, 359. (354 does not count for teacher certification.) Courses taken to satisfy this requirement may be included in the English major as an elective under 6 above.
2. Reading, 3 credits. ENGL 381 is recommended and counts as elective for teacher certification majors under 9 above. EDUC 386 can be used to meet the reading requirement for teacher certification, but it does not count toward the English major.
3. Literature for adolescents, 3 credits: ENGL 375 may count as an elective for teacher certification majors under 9 above.
4. Teacher certification majors must take ENGL 345 for the language requirement of the English major under 6 above.
5. Methods, 9 credits: ENGL 355, 356, 497, E ED 396.
6. Technology, 3 credits: ENGL 393.
7. Student teaching, 12 credits: E ED 398.
8. Seminar on Teaching, 1-2 credits: E ED 400.

Optional Teacher Certification in Broadfield Language Arts (select alternative A or B):

Alternative A: Broadfield Language Arts Teacher Certification:

Consists of the teacher certification requirements for literature/composition, plus 16 credits:

1. **Journalism**, 3 credits: COMM 221.
2. **Communication**, 3 credits: COMM 394.
3. **Theatre Appreciation**, 3 credits: THEA 105.
4. **English**, 3 credits: ENGL 349/549. **Note:** For students seeking Broadfield certification, ENGL 349 will not count for the writing requirement in line 1, English Major for Teacher Certification.
5. **English Education Field Experience**, 4 credits of E ED 395. This two-credit class must be taken twice, once with each of the two subtitles under which it is offered (speech/theatre or journalism).

Alternative B: Broadfield Language Arts (With Communication Major or Minor):

Consists of the teacher certification requirements for literature/composition, plus the following:

1. **Complete a Communication major or minor, having taken the following as electives:**
 - a. **Journalism**, 3 credits: COMM 221.
 - b. **Communication**, 3 credits: COMM 394.
2. **English Education Field Experience**, 4 credits of E ED 395. This two-credit class must be taken twice, once with each of the two subtitles under which it is offered (speech/theatre or journalism).

Notes for Teacher Certification:

1. Because of enrollment limits in the teacher certification program, some qualified students may not be admitted to English Education courses.
2. Before applying to the program, you must have completed 12 credits of English beyond freshman English and have at least a 3.00 GPA in those credits, including transfer credits.
3. Admission will be determined by GPA in English, evaluation of a portfolio of writing, one brief letter of recommendation, and an interview (if possible). Admission decisions will be made before spring semester registration. See the English Department for further details.
4. Also see information about the Professional Education Program and the secondary education curriculum for teacher certification in the **Education** section of this catalog.

English Education Methods Block

English education majors must take a spring block of classes (second semester junior year) preceding the fall block of English methods classes (first semester senior year).

1. Spring block, 9 credits: ENGL 345, 375, 381. There are no limits on number of credits you may take in addition to these.
2. Fall block, 12 credits: ENGL 355, 356, 393, 497, and E ED 396. We highly recommend that you take no more than 15 credits during this semester.

English Major with a Writing Minor

Requires 58 credits beyond the General Education Composition requirement including:

1. Requirements for the English major.
2. Requirements for the Creative or Professional Writing Minor.

English Minor

Consists of 24 credits beyond freshman English including 12 credits taken in courses numbered 300 and above. Complete ENGL 200 plus requirements 2, 3, 6, and 7 of the general English major above. (4 and 5 are not required for the minor, but are strongly recommended.)

English Minor for Teacher Certification (Secondary)

Consists of the English minor above plus the requirements for teacher certification listed for the major above.

English Minor for Elementary Ed Majors

Consists of 24 credits beyond freshman English including 12 credits taken in courses numbered 300 and above.

1. ENGL 200.
2. Either ENGL 275 or 375.
3. Either ENGL 250 or 253.
4. Either ENGL 342 or 345.
5. ENGL 394.
6. Electives: 9 credits of any 200-300 level English courses not already taken above. Pick electives that will emphasize writing, language, or literature.

Biomedical Writing Minor

(23-24 credits plus a 1-3 credit recommended internship). Designed for students in good academic standing who already have a major or minor in Biology, Biochemistry, Chemistry, Physics, Clinical Laboratory Science, or any other health-related majors or minors. The Biomedical Writing Minor will help you acquire (a) proficiency in the technical skill of biomedical writing; (b) knowledge about contemporary approaches to and issues in biomedical communication; (c) knowledge about the history and culture of both biomedical research and patient care; and (d) an understanding of the social and environmental contexts within which epidemiological phenomena manifest themselves.

COURSEWORK: (Required):

1. **Biomedical Writing:** 391/591.
2. **Technical Writing and Grammar:** Take two (2) of the following, depending on the biomedical writing adviser's assessment of your strengths and weaknesses: 248, 254, 342, 347/547, 348, 354/554.
3. **Health Communication:** COMM 382/582.
4. **Medical Terminology:** HS 295.
5. **Health Care Professions Perspectives:** Take one (1) from the following: CLS 105, 395; HS 105, 395.
6. **Philosophical, Humanistic, and Sociological Perspectives on Medicine and Science:** Take one (1) from the following: 365/565, 383/583 (with a medical or science-related theme), PHIL 302, 307; SOC 308/508.
7. **Statistics:** Take one (1) from the following: MATH 355; HS 301 (prereq HS 105 above); PSYC 300; SOC 351.

INTERNSHIP: (Recommended):

Writing Internship: 498 (1-3 credits).

Creative Writing Minor

Consists of 24 credits beyond the General Education Composition requirement.

1. Required, 12 credits: ENGL 253, 353 (3 cr of each focus), and either 377 or 378.
2. Electives: 12 credits (3 cr must be 300 level) from 1/2/357, 248, 250, 254, 348, 349, 350, 351, 353, 354, 358, 359, 388, 389, 498 (1-3 cr).
3. Chair may approve as elective up to 6 credits of English Department courses not specified above.

Professional Writing Minor

Consists of 24 credits beyond the General Education Composition requirement.

1. Required, 12 credits: ENGL 250, 349, 351, and either 248 or 254.
2. Electives: 12 credits (3 cr must be 300 level) from 1/2/357, 253, 347, 348, 350, 352, 353, 354, 358, 359, 388, 389, 391, 498 (1-3 cr).
3. Chair may approve as electives up to 6 credits of English Department courses not specified above or, upon coordinator's prior approval, no more than 6 credits from other departments.

Note for Writing Minors:

A student may declare a Creative Writing Minor or a Professional Writing Minor, but not both. Neither Writing Minor is teacher certifiable, but a Writing Minor is generally favored by public school employers as a complement to the English Major.

English as a Second Language

For the ESL teacher certifiable minor, see the [World Languages and Literatures](#) section of this catalog. For intensive ESL courses for non-native speakers, see [English as a Second Language Program](#) following this section.

Academic Standards for English

1. Anyone may declare a major/minor in English or a minor in writing, or English for elementary education. To be approved for graduation you need to have a cumulative grade point average of 2.00 (2.75 to student teach), including transfer credits, regardless of any declaration of academic bankruptcy.
2. You must have department chair consent before you will be allowed to repeat grades of D in ENGL 101, 102, and 150, as well as English courses numbered 200 and above in which you received passing grades.
3. English courses are open, subject to availability, to students who are not declared majors or minors.

Credit-by-Exam Policy for English

If you wish to obtain credit-by-exam for any English general education course other than 101, contact the English Department chair. The faculty member who most recently taught the course will confer with you regarding

date, site, question format, exam length, materials allowable (or necessary) during the exam, etc. The written comprehensive exam will be based on material normally covered in the course. The faculty member will administer the exam and notify you in writing of your score within two weeks of taking the exam. A passing score is a B- or better. You may not take an exam for credit more than once for the same course. A nominal fee may be charged for administrative purposes.

Medieval and Renaissance Studies Interdisciplinary Certificate

Mary Bowman, Coordinator
Room 433, Collins Classroom Center
Phone: 715-346-4338
Email: mbowman@uwsp.edu

The Medieval and Renaissance Studies Certificate allows you to focus on a major epoch in Western civilization, drawing on the resources of multiple disciplines. The MRS certificate gives you a deeper understanding of the different ways of thinking and types of knowledge produced by the various disciplines and how these can work together to create fuller and richer knowledge of the period. The certificate provides excellent preparation for students interested in graduate study in the field and can enhance the general education of any student.

Consists of 13 credits:

1. 3 credits from HIST 256, 335, 356, 357, 358. Special Topics courses (HIST 315, 369) with an appropriate subtitle may be substituted with the approval of the coordinator.
2. 3 credits from ENGL 211, 321, 323/523, 330, 333, 334, 336. Students with appropriate preparation may substitute a literature course in Foreign Languages with the approval of the coordinator.
3. 3 credits from ART 282, 283, 385, 386; MUS 326; POLI 393; THEA 351, 352.
4. 3 additional credits from the courses listed in 1-3.
5. English 400 (1 credit), taken in or after the semester in which you complete the coursework in items 1-4.
6. The Medieval and Renaissance Studies Certificate satisfies the Interdisciplinary Studies GEP requirement. For more information, see the [GEP](#) section of the Catalog.

Courses in English

*All English courses in the 200 series require sophomore standing as a prerequisite except that they are also open to second semester freshman English majors.

ENGL 101. Freshman English. 3 cr. Critical reading, logical thinking, and effective writing. Write frequently in and out of class, using specific rhetorical strategies for a variety of purposes and audiences. Prereq: Satisfactory placement test score. GDR: ENGL; GEP: WC

ENGL 103. The Myth of ... 3 cr. (Topic will be announced.) The origin and development of a particular myth as it is embodied in folk tales and/or drama, film, novels (e.g. the myth of the Great Lover, the Doctor, the Jew, the Politician). May apply 3 cr max of 103/203/303 toward major/minor.

ENGL 106. Reading Fiction. 3 cr. An opportunity to read, discuss, and evaluate outstanding works of fiction. GDR: HU2; GEP: HU

ENGL 108. Reading Drama. 3 cr. Oral reading and discussion of one play a week (chosen by the class) from dramatic literature. GDR: HU2; GEP: HU

ENGL 150. Advanced Freshman English. 3 cr. Research and writing using appropriate rhetorical strategies for students with potential for accelerated reading, writing, and research.

Prereq: Satisfactory test scores. GDR: ENGL; GEP: WC

ENGL 157. Independent Writing. 1 cr, pass/fail. Individualized program for writing improvement based on student needs and personal objectives, taught in conjunction with the Writing Laboratory. May repeat for 3 cr max among 157, 257, 357.

ENGL *200. Introduction to the Study of Literature. 3 cr. Study of literature, emphasizing development of critical vocabulary, recognition of various forms of literature, and rudimentary analysis of selected works. GDR: HU2; GEP: HU

ENGL *201. Introduction to Literary Study for the English Major. 3 cr. Major literary genres in their cultural and historical contexts emphasizing development of interpretive and communicative skills necessary to join effectively in the discussion of and writing about literature. Prereq: Declared English major.

ENGL 202. Sophomore English. 3 cr. Analytical reading and writing and the methods of inquiry common to various academic disciplines. Write frequently in and out of class, using suitable sources of information and appropriate documentation methods. Prereq: 101 or equiv. GDR: ENGL; GEP: WC

ENGL *203. Myth of ... 3 cr. Topic will be announced. See 103.

ENGL *211. English Literature I. 3 cr. Emphasis on major writers from Beowulf through pre-Romantics, stressing insight into their works. GDR: HU2; GEP: HU

ENGL *212. English Literature II. 3 cr. Emphasis on major writers from Romantics to the present, stressing insight into their works. GDR: HU2; GEP: HU

ENGL *213. American Literature I. 3 cr. Representative works by American writers up to 1865. GDR: HU2; GEP: HU

ENGL *214. American Literature II. 3 cr. Representative works by American writers since 1865. GDR: HU2; GEP: HU

ENGL *240. Introduction to Linguistics. 3 cr. Fundamental concepts and methods of the scientific study of languages in their structural, historical, and geographical aspects.

ENGL *248. Introduction to Environmental and Science Writing. 3 cr. Read and produce environmental/science writing such as creative nonfiction prose, natural history essay, news report, investigative journalism report, popular magazine/newspaper feature, pedagogical articles. Introductory readings in the rhetoric and ideology of science writing, eco-criticism, social/environmental justice, ethics of science, history of environmental/science writing. Prereq: Freshman English or cons instr.

ENGL *250. Intermediate Composition. 3 cr. Practice in exploratory, expository, and persuasive discourse.

Prereq: Successful completion of freshman English, or cons chair.

ENGL *253. Introduction to Creative Writing. 1-3 cr. Training and practice for the beginning writer in various forms of poetry and fiction; class discussion of student work. GEP: ART

ENGL *254. Introduction to Technical Writing. 3 cr. Introductory training and practice in workplace writing for business, industry, office, lab. With the understanding that writing is shaped by workplace culture and ethics, produce a wide range of written texts including emails, memos, job application materials, grant proposals, formal reports, and manuals. Prereq: Freshman English or cons instr.

ENGL *257. Independent Writing. 1 cr, pass/fail. Same as 157.

ENGL *260. Computer Aids for English Studies. 1 cr. Introduction to uses of computer software in the study of English language and literature. 4 wk module for English majors/minors.

- ENGL *274. Literature for Early Childhood.** 3 cr. Read, select, and present materials suitable for children, preschool through grade 3. (See Note 4 above.)
- ENGL *275. Children's Literature.** 3 cr. Read, select, and present materials suitable for elementary school readers. (See Note 4 above.)
- ENGL* 279. Chicano and Chicana Literature.** 3 cr. An introduction to writing by Chicano and Chicana (Mexican American) authors from 1846 to the present with attention to the historical, political, and cultural contexts of the literature. All texts in English, either originally or in translation.
- ENGL *280. American Indian Literature.** 3 cr. Literature about the American Indian from oral and written materials by Native American authors and other American writers. GDR: HU2, MNS; GEP: HU, USD
- ENGL *282. Black Literature.** 3 cr. Critical study of works by black writers (e.g., Americans, Africans, West Indians). GDR: HU2, MNS; GEP: HU, USD
- ENGL *283. Mythology in Literature.** 3 cr. The basic myths of creation, the flood, man's fall, Olympians and their Roman counterparts, and stories of myth and history that form the basis of literary expression of Western culture; emphasis on Graeco-Roman, Judeo-Christian, and Norse myths, as they appear in selected poetry, novels, and plays. GDR: HU2; GEP: HU
- ENGL *284. Introduction to Ethnic Literature in the United States.** 3 cr. Introduction to ethnic literature in the U.S. including works by African, Asian, Native American, and Latino writers. Explore how these works address basic issues of race, ethnicity, and cultural identity in a diverse society. Prereq: English major.
- ENGL *285. Women in Literature.** 3 cr. Examine literature to determine how women are depicted in Western cultural tradition, how images of women have developed and been perpetuated, and how they shape a woman's sense of who she is and a man's idea of what she should be. GDR: HU2; GEP: HU
- ENGL *286. Literature and Film.** 3 cr. Introduction to theories and concepts of narrative, language, and culture through examination of various prose fiction texts and their film adaptations. GDR: HU2; GEP: HU
- ENGL *287. Gay and Lesbian Literature.** 3 cr. Introduction to a variety of literary representations of same-sex relationships, belonging to different genres and taken from different cultures and historical periods, in order to discuss how the meanings of and attitudes toward such relationships are culturally variable rather than constant. GDR: HU2; GEP: HU, USD
- ENGL *288. Literature of Human Love and Sexuality.** 3 cr. Literature of love, using representative works and authors from various cultures and times such as Lysistrata, the Song of Solomon, Ovid, Chaucer, Donne, Swift, DeSade, D.H. Lawrence, James Joyce. GDR: HU2; GEP: HU
- ENGL *289. Popular Literature.** 3 cr. Close reading of selected topics with general appeal such as frontier literature, sports literature, speculative fiction, mystery literature. Subtitle will designate area. May repeat for credit with different subtitles. GDR: HU2; GEP: HU
- ENGL 303. The Myth of...** 3 cr. Topic will be announced. See 103.
- ENGL 308. Reading Drama.** 3 cr. Oral reading and discussion of one play a week from dramatic literature. GDR: HU2; GEP: HU
- ENGL 309/509. Forms and Modes in Literature.** 1-3 cr. Selected works of several writers that are examples of a form or mode, such as the parable in modern literature. Subtitle will designate area. May repeat for credit with different subtitles. GDR: HU2 by subtitle; GEP: HU
- ENGL 310. Modern Short Story.** 3 cr. Representative short stories of world literature with emphasis on literary structure, form, and theme. GDR: HU2; GEP: HU
- ENGL 311/511. English Novel (British).** 3 cr. English novels from (a) early 1700s to 1880 including Defoe, Fielding, Sterne, Austen, Dickens, and George Eliot; or (b) 1880 to the present including Hardy, Joyce, Conrad, Lawrence, Woolf, and Lessing. May take once for each period. GDR: HU2; GEP: HU
- ENGL 312/512. Modern Drama.** 3 cr. Representative dramas of world literature from Ibsen to the present; emphasis on literary structure, form, and theme. GDR: HU2; GEP: HU
- ENGL 313/513. American Novel.** 3 cr. American novels from (a) late 1700s to 1900 including Hawthorne, Melville, James, and Twain; or (b) 1900 to the present, including Wharton, Hemingway, Cather, Faulkner, and Bellow. May take once for each period. GDR: HU2; GEP: HU
- ENGL 314/514. Modern Poetry.** 3 cr. Study of 20th century poetry beginning with works of Yeats, Pound, and Eliot. GDR: HU2; GEP: HU
- ENGL 319/519. The Novel since 1850.** 3 cr. Representative novels of world literature from a variety of cultures with emphasis on literary structure, form and theme. GDR: HU2; GEP: HU
- ENGL 320/520. American Realism and Naturalism.** 3 cr. Theory and development of realism and naturalism from 19th century to present. GDR: HU2; GEP: HU
- ENGL 321/521. English Literature to 1485.** 3 cr. Development of English poetry and prose, excluding Chaucer, from Anglo-Saxon through late medieval periods.
- ENGL 323/523. British Literature Before 1790, Excluding Drama.** 3 cr. Development of poetry and prose from (a) 1485-1660 including More, Sidney, Marlowe, Spenser, Shakespeare, Donne, Jonson; or (b) from 1660-1790 including Dryden, Defoe, Swift, Pope, Sam Johnson, Goldsmith. May take once for each period.
- ENGL 324/524. Romantic Movement (British).** 3 cr. Development of romanticism in English poetry and prose, its theory and creation, also survey of pre-Romantic Movement.
- ENGL 325/525. Victorian Literature (British).** 3 cr. Works revealing the crisis of the individual in an age torn by conflicting values. Major poets and essayists including Tennyson, Browning, Arnold, Carlyle, Newman, and Ruskin.
- ENGL 327/527. Victorian Literature in Transition (British).** 3 cr. Development of the modern spirit in such writers as Hardy, Conrad, Ford, Shaw, Yeats, and the Aesthetes and Decadents.
- ENGL 328/528. Modernism.** 3 cr. Theories and practices of "Modernism" (approx. 1900-1940). Emphasis on literary texts belonging to different genres with discussions including examples from other media (visual arts, music, performance, etc.) in an international context. Formal innovations as well as philosophical, psychological, and sociological preoccupations of several Modernist writers and artists will be covered.
- ENGL 329/529. The American Renaissance.** 3 cr. American literary renaissance of mid-19th century with works of Emerson, Thoreau, Hawthorne, Melville, and Whitman. GDR: HU2; GEP: HU
- ENGL 330/530. Chaucer (British).** 3 cr. Emphasis on the Canterbury Tales and their historical, social, linguistic background. GDR: HU2
- ENGL 333/533. Shakespeare (British).** 3 cr. Early plays. GDR: HU2
- ENGL 334/534. Shakespeare (British).** 3 cr. Tragedies and later plays. GDR: HU2
- ENGL 336/536. Milton (British).** 3 cr. Milton's poetry and selected prose. Growth of a writer in his historical milieu. GDR: HU2
- ENGL 342/542. English Grammars.** 3 cr. Survey of major methods of language analyses that have been applied to English since the 18th century; traditional, structural, and transformation-generative.
- ENGL 344/544. History of the English Language.** 3 cr. Development of English sounds, spelling, inflection, syntax, vocabulary, and dialects from Old English to the present.
- ENGL 345/545. English Language for Teachers.** 3 cr. Overview of history and structure of English and conventions of standard written English. Includes contemporary approaches to teaching grammar, usage, punctuation. Required for teacher cert. English majors/ minors.
- ENGL 346/546. Old English.** 3 cr. Introduction to Old English language and literature.

- ENGL 347/547. Grant and Proposal Writing.** 3 cr. Invention and delivery of grants and proposals in the business, scientific, technical artistic, and educational arenas. Opportunity to write a grant proposal for a campus or community-based organization. Prereq: Completion of Freshman English requirement. GEP: IS, XL
- ENGL 348/548. Advanced Environmental and Science Writing.** 3 cr. Produce a single well-researched popular or educational article related to science or the environment and prepare it for submission to a juried publication. Also, readings in the rhetoric and ideology of science writing, eco-criticism, social/environmental justice, ethics of science, history of environmental/science writing. Prereq: Freshman English and 248, or cons instr.
- ENGL 349/549. Editing and Publishing.** 3 cr. Writing, editing, and preparing materials for publication, including consideration of reader/ editor appeal, and ways to market manuscripts. [Editor's note: The class must find a manuscript, produce and sell a book.]
- ENGL 350. Advanced Composition.** 1-3 cr. Art of writing nonfiction with attention to voice, audience, and style. Prereq: 250 or cons chair.
- ENGL 351. Advanced Business Writing.** 3 cr. Examine methods of audience analysis and strategies to shape effective written business communication. Prereq: Cons instr or chair.
- ENGL 352. Freelance Writing.** 3 cr. Essay writing for personal satisfaction and possible publication; emphasis on most marketable essays, such as the interview/profile, how-to, travel, opinion, humor, familiar essay. Survey of likely markets, advice on how to break in, how to prepare and submit the manuscript, cover and query letters, and copyright information. Prereq: Cons instr or chair.
- ENGL 353/553. Advanced Creative Writing (Poetry or Fiction).** 1-3 cr. Intensive study in writing various forms of poetry or fiction; class discussion of student work. May take max 9 cr with 6 cr max under one focus. Prereq: 253, cons instr or chair.
- ENGL 354/554. Advanced Scientific and Technical Writing.** 3 cr. Advanced training and practice in workplace writing for business, industry, office, lab. Assuming writing is shaped by workplace culture and ethics, collaboratively produce a few large technical documents in context of simulated and real consultations with local business/ industry. Prereq: Freshman English and 254, or cons instr.
- ENGL 355/555. Methods of Teaching Composition (Middle and Secondary).** 2 or 3 cr. Teaching writing as a composing process; theory and practice for middle and secondary levels and for all subjects. Does not count toward English major/minor. Prereq: Admis to Prof Educ Prog (English) or cons chair.
- ENGL 356/556. Methods of Teaching Literature (Middle and Secondary).** 2 or 3 credits. Teaching literature as an exploratory process, beginning with reader response; theory and practice for middle and secondary levels. Does not count toward English major/minor. Prereq: Admis to Prof Educ Prog (English) or cons chair.
- ENGL 357. Independent Writing.** 1 cr, pass/fail. See 157.
- ENGL 358/558. Outdoor Writing.** 3 cr. Writing articles and essays on nature and the outdoor experience.
- ENGL 359/559. Novel Writing.** 3 cr. Strategies for planning and completing a draft of a novel. Fictional techniques; manuscript preparation and submission; class discussion of student work; individual conferences; readings from first novels and texts on novel writing. Prereq: Cons instr or chair.
- ENGL 360/560. Regional Literature (American).** 3 cr. Literature by small group of authors whose writing reflects the concerns of geographic areas. Subtitle will designate area. May repeat with different subtitles.
- ENGL 361. World Literature.** 3 cr. Representative selections of world literature from the earliest times to the 17th century. GDR: HU2; GEP: HU
- ENGL 363. Nature Literature.** 3 cr. Literary texts that explore humankind's relationship to the natural world. Readings provide historical depth and cross-cultural perspectives. GDR: HU2; GEP: HU
- ENGL 365/565. Science Literature.** 3 cr. Examine development of writing for and about science and technology from 1660 to the present. Impact of development of two modes of scientific writing on contemporary society—one for scientists and one for general readership. GDR: HU2; GEP: HU
- ENGL 366/566. English Drama to Shaw (British).** 3 cr. Major plays and trends in drama from medieval to modern, such as Everyman, Dr. Faustus, Volpone, The Duchess of Malfi, Tis a Pity She's a Whore, Beggar's Opera, The Importance of Being Earnest. GDR: HU2; GEP: HU
- ENGL 374/574. Postcolonial Literature in English.** 3 cr. Works in English by writers from postcolonial nations, e.g., India, Pakistan, Australia, New Zealand, or countries of the West Indies. GDR: HU2, NW; GEP: GA, HU
- ENGL 375/575. Literature for Adolescents.** 3 cr. Select and read literature suitable for adolescents. Only for teacher certification English majors/minors/writing minors.
- ENGL 376/576. Lives and Literature of the Beat Generation.** 3 cr. Representative works of fiction, poetry, creative nonfiction, critical commentary, biography, and autobiography related to the Beat Generation. Prereq: Jr st or cons instr.
- ENGL 377/577. Contemporary Poetry.** 3 cr. Contemporary poetry since World War II.
- ENGL 378/578. Contemporary Fiction.** 3 cr. International fiction since World War II with experimental narrative techniques and/or thematic relationships. GDR: HU2; GEP: HU
- ENGL 379/579. Rhetorical Theory.** 3 cr. History of ideas regarding effective use of language, emphasizing classic texts by Aristotle, Cicero, and Quintilian, and their influence on modern thought. Prereq: Jr st or cons chair.
- ENGL 380/580. Literary Theory.** 3 cr. Critical approaches to literary study based on ancient and modern theories.
- ENGL 381/581. Reading for the English Teacher.** 3 cr. Apply current reading theory to practice in the English classroom. Reading process, response-based teaching, and strategic learning. Only for teacher certification English majors/minors/writing minors.
- ENGL 382/582. Ethnic Literature of the United States.** 3 cr. Explore cultural pluralism and an exploration of literary works by Native Americans, Afro-Americans, Asian-Americans, Jewish-Americans, and writers of European immigrant descent. GDR: HU2, MNS; GEP: HU, USD
- ENGL 383/583. Themes in Literature.** 3 cr. Works of several writers demonstrating a theme or related themes. Subtitle designates area. May repeat for credit with different subtitles. GDR: HU2 by subtitle; GEP: HU
- ENGL 384/584. Topics in Theory.** 3 cr. Examine a selected theory and/or critical methodology used to analyze language, literature, or cultural representations. Subtitle designates area. May repeat for credit with different subtitle. Prereq: jr st or cons instr and chair.
- ENGL 385. Major Authors.** 3 cr. Close, critical study of one or more major authors. Subtitle will designate author(s). May repeat with different subtitle.
- ENGL 386. Major Authors of Ethnic Literature.** 3 cr. Close critical study of one or more major authors of ethnic literature. Subtitle will designate author(s). GDR: HU2, MNS; GEP: USD
- ENGL 388/588. Editorial Process.** 3 cr. Study of the editorial process, including editorial theory, developmental editing, copyediting, and proofreading. Consider the role of the editor in various kinds of media, engage in hands-on editorial work, and consult with editors and writers.
- ENGL 389/589. Book History.** 3 cr. Study of the book as a medium and its role in the development and transmission of culture, addressing the implications of topics such as authorship, printing, publishing, distribution, bookselling, and reading. Course themes will be developed both theoretically via case studies and practically via hands-on activities.

ENGL 391/591 Biomedical Writing. 3 cr. Training and practice in the several writing genres common to the field of biomedical writing. Introduction to the theoretical, social, and environmental contexts within which the medical and health sciences function. Study biomedical-writing documents (both historical and current) as well as short literary works in which the ethical and theoretical frameworks within which biomedical communicators write will become clear.

ENGL 392. Literature and Ecology. 3 cr. Study American and English literary texts to discover attitudes toward various environments in literature, analyze historic and current environmental issues, and describe the role of literature in ecology. Does not count toward English major/minor. GDR: EL; GEP: ER

ENGL 393. Technologies for English Education. 3 cr. Introduction to instructional and administrative technology for English teachers. Prereq: Admission to Professional Educ Prog (English) or cons chair.

ENGL 394/594. Methods of Teaching Composition and Literature for Non-English Majors. 3 cr. Theory and practice teaching composition and literature at middle/secondary levels. May include 25-hours field experience with supervised observation and experience in middle/ secondary classrooms. Prereq: Cons chair.

ENGL 395/595. Workshop in English. 1-3 cr. Study contemporary scholarship in English. Subtitle will designate area. May repeat for credit with different subtitles. Prereq: Cons chair. GDR: HU2 by subtitle; GEP: HU

ENGL 396/596. Workshop in Drama: On-site Study of Contemporary Theatre. On-site research, analysis, discussion, and interpretation of contemporary theatrical performances, based on attendance at a range of live performances and theatrical experiences – such as is provided, for example, by the Theatre in London trip organized through International Programs. Prereq: Con. participation in theatre excursion organized through UWSP's Department of English and/or International Programs; con instr.GEP: ART

ENGL 399. Special Work. 1-3 cr. Upperclass students may arrange for independent study with cons chair. Credit based on scope of project. Prereq: 3.00 GPA in English courses.

ENGL 400. Medieval and Renaissance Studies Senior Project. 1 cr. Completion of an interdisciplinary project and reflective essay. Does not count toward English major/minor. Prereq: 12 cr of Medieval and Renaissance Interdisciplinary Certificate completed (or con reg).

ENGL 494. Senior Project. 1 cr. Develop, refine, and write reflective essay on role of English studies. Produce portfolio of materials to prepare for post-graduate employment or further education. Prereq: Sr st, English major.

ENGL 495. Senior Honors Project: Research. 3 cr pass/fail. Research and preparatory work for individually supervised project in literary scholarship, pedagogy, or creative writing developed in consultation with honors coord and a faculty reader. Does not count toward English major. Prereq: 24 cr in major beyond freshman English incl 12 cr in core; min 3.5 GPA in major; second semester jr st; acceptance of formal proposal by honors coord.

ENGL 496. Senior Honors Project: Product. 3 cr. Produce final draft. Present and defend product of individually supervised project in literary scholarship, pedagogy, or creative writing developed in 495. May count toward English major. Prereq: 495 and cons honors coord.

ENGL 497. Senior Seminar in English Education. 1 cr. Develop, refine, and write a philosophy of teaching English in secondary school. Prereq: Be within two semesters of student teaching and con reg in 355, 356, and E ED 396.

ENGL 712. Advanced English Methods. 3 cr. Problems in teaching literature, writing, and language arts: course and curriculum design, trends and issues in teaching English, and adaptation of theory and research to classroom practice. Open to elementary language arts and secondary English teachers and candidates for certification.

ENGL 715. Twentieth Century Literature. 3 cr. Subtitle will designate focus.

ENGL 716. English Novel. 3 cr. Subtitle will designate focus.

ENGL 740. Language in Society. 3 cr. Historical growth and continuing development of English language and its uses in society, including current usage and principles for evaluating language in use.

ENGL 755. Teaching English (Literature, Composition, Creative Writing). 3 cr. Research and discuss problems and techniques of teaching English. May take once under each subtitle.

ENGL 760. Literature and the Human Experience. 3 cr. Literature as an instrument for understanding one's own experience.

ENGL 761. Seminar in English Literature. 3 cr. Subtitle will designate focus.

ENGL 785. Selected Literary Master(s). 3 cr. Subtitle will designate the master(s).

ENGL 786. Selected Literary Topic(s). 3 cr. Subtitle will designate topic.

ENGL 795. Project. 1 cr. In-depth examination and creative application of research and theory to a specific teaching problem such as curriculum design, teacher training, or revising district programs.

ENGL 796. Independent Study. 1-3 cr. Study supervised by instructor.

ENGL 798. Portfolio. 2-4 cr. Selection and analysis of professional presentations, publications, accepted manuscripts, in-services, and similar activities. Prereq: Consent of Portfolio Committee.

ENGL 799. Thesis. 2-6 cr.

English Latent Courses: Not offered recently. See full course description in indicated (xx-xx) catalog.

142 Basic English Grammar, 3 cr, (01-03)

170 Folklore, 1-3 cr, (97-99)

195 Freshman Seminar, 1 cr, (97-99)

251 Business Writing, 3 cr, (01-03)

281 African Literature, 3 cr, (07-09)

362 World Literature, 3 cr, (07-09)

364/564 Canadian Literature, 3 cr, (03-05)

390/590 Independent Reading 1 cr, (01-03)

397 Practicum, 1-3 cr, (03-05)

498 Writing Internship, 1-6 cr, (01-03)

551 Advanced Business Writing, 3 cr, (07-09)

719 American Novel, 3 cr, (07-09)

745 Censorship, 3 cr, (07-09)

750 Writing Nonfiction, 3 cr, (07-09)

752 Workshop in Fiction, 3 cr, (07-09)

753 Workshop in Poetry, 3 cr, (07-09)

756 Measuring Growth in English, 3 cr, (07-09)

757 Writing Centers: Theory and Practice, 3 cr, (07-09)

762 Seminar in American Literature, 3 cr, (07-09)

772 Poetry: Forms, Functions, Meanings, 3 cr, (07-09)

781 Reading in the English Classroom, 3 cr, (07-09)

Courses in English Education

E ED 395. Broadfield Language Arts Field Experience. 2 cr. pass/fail. Sixty-hour field experience in one of the two following areas: speech/theatre, or journalism. May repeat for credit with different subtitles. Prereq: Acceptance into the English Education program.

E ED 396. English Education Practicum. 2 cr; pass/fail. Supervised observation and experience in secondary schools. Reflection on teaching experience. 60 hrs required for all English education majors. Prereq: Con reg in 355 and/or 356.

E ED 398. Student Teaching in English. 16 cr; pass/fail. Observation and teaching in the secondary school classroom under the guidance of cooperating teachers and university faculty.

E ED 400. Seminar on Teaching for Student/Intern English Teachers. 1-2 cr; pass/fail. Structured group discussion on aspects of teaching that emerge from full-time field experiences. Completion and evaluation of electronic portfolio. Prereq: Con reg in E ED 398 or 498.

E ED 498. Intern Teaching. Variable cr; pass/fail. Structured field experiences in approved school programs. Interns are certified by the DPI and are employed under contract with schools to design, deliver, and assess instructional programs in grades pre-k-12. Prereq: Completion of all methods courses and 75% of content courses in approp major. Con reg in approp section of EDUC 400 may be required.

ENGLISH AS A SECOND LANGUAGE

For the *ESL teacher certifiable minor* and the *bilingual add-on certification*, see *World Languages and Literatures*. For intensive ESL courses for non-native speakers of English, see below.

English as a Second Language Program

Brad Van Den Elzen, Director
Room 020, Student Services Center
Phone: 715-346-3849
Email: esl@uwsp.edu
Web: www.uwsp.edu/esl

The English as a Second Language Program provides intensive English instruction for (a) international students who wish to improve their English skills and (b) those who want to attend an American university but whose English skills are not yet ready to compete in an academic setting. As a full-time student, you will attend 20 class hours per week at levels that are appropriate for your skills. The classes emphasize the development of academic English skills in the areas of reading, writing, listening/notetaking, and speaking. As a conditionally accepted student, you will complete upper-level ESL courses, and you may begin to enroll in university courses. After completing the entire ESL program, you may enroll full time in university courses.

Courses in English as a Second Language

ESL 062. Listening/Notetaking. Develop ability to follow short spoken exchanges, directions, and presentations found in daily life, gain basic skills in notetaking, and gain experience in talking and writing about spoken material. Prereq: Placement.

ESL 063. Listening/Notetaking. Develop ability to gather information from longer spoken sources such as news programs, educational shows, interviews, and radio commentaries, improve notetaking strategies, and develop ability to discuss and write clearly about spoken information. Prereq: 062 or placement.

ESL 064. Listening/Notetaking. Develop ability to follow live lectures and taped presentations of academic topics and current events, refine notetaking strategies, discuss and synthesize written and spoken information, and write well-developed essays about the information. Prereq: 063 or placement.

ESL 072. Oral Communication. Learn English conversational strategies, functions, and vocabulary applicable to basic life skills, develop ability to carry on casual conversations, and practice American pronunciation. Prereq: Placement.

ESL 073. Oral Communication. Learn formal and informal conversational strategies and functions applicable to a variety of interpersonal situations, develop ability to carry on in-depth conversations on challenging topics, and learn strategies for small group interaction. Prereq: 072 or placement.

ESL 074. Oral Communication. Refine ability to interact in formal and large-group situations, develop ability to discuss current events and academic topics. Learn and practice strategies to give formal presentations in front of a group. Prereq: 073 or placement.

ESL 082. Reading. Learn basic reading strategies, develop skills in writing about and discussing short informative and general interest readings, and learn basic strategies for understanding and learning new vocabulary. Prereq: Placement.

ESL 083. Reading. Learn reading strategies for comprehending longer and more academic readings from texts and magazines, increase ability to write in response to readings and to discuss information in texts, gain greater exposure to academic vocabulary, and develop ability to incorporate new vocabulary in writing and discussions. Prereq: 082 or placement.

ESL 084. Reading. Learn advanced reading strategies for textbook selections and academic articles, use discussion and writing skills to fully comprehend and analyze readings, demonstrate comprehension both verbally and in writing, and expand active academic vocabulary. Prereq: 083 or placement.

ESL 092. Writing. Develop ability to write a paragraph on personal or subjective topics, learn editing strategies, and develop control of basic grammar and mechanics. Prereq: Placement.

ESL 093. Writing. Move from personal to objective writing in response to a source, expand editing strategies. Move from the paragraph level to being able to write short essays. Improve accuracy over a wider range of grammatical structures. Prereq: 092 or placement.

ESL 094. Writing. Develop ability to draw information from and write about multiple sources, learn basic library skills, and develop independent editing strategies and effective use of grammar to write longer, source-based essays. Prereq: 093 or placement.

ENVIRONMENTAL COMMUNICATION

See *Natural Resources – Human Dimensions of Natural Resource Management*.

ENVIRONMENTAL EDUCATION/ INTERPRETATION

See *Natural Resources - Human Dimensions of Natural Resource Management*.

ENVIRONMENTAL ETHICS

See *Philosophy*.

ENVIRONMENTAL LAW ENFORCEMENT

See *Natural Resources – Human Dimensions of Natural Resource Management*.

Environmental Studies (College of Letters and Science)

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Environmental Studies Minor

Definition: Environmental Studies is a multi-disciplinary approach to studying the relationships between people

and their environments. The minor is one of the oldest Environmental Studies programs in the nation. Students begin the minor with HIST 280 American Environmental History, an examination of major environmental and social changes. Core courses, chosen to represent the many facets of sustainability, connect ecology, economy, and social justice. Students then choose electives with environmental dimensions from across the humanities and social sciences to explore specific topics in greater depth. A capstone, ENGL 392, Literature and Ecology pulls together the learning experience.

Consists of 24 credits:

1. **Introduction to Environmental Studies:** HIST 280.
2. **Sustainability,** 9 credits:
 - a. **Ecology:** at least 3 credits from: GEOG 101; NRES 150, 200; BIOL 305.
 - b. **Economy and Environment:** 3 credits from: GEOG 113, 120, 340; HIST 204; NRES 220.
 - c. **Environmental Justice:** 3 credits from: ANTH 125, 339, 345; EDUC 305; ENGL 280; FOR 392; HIST 301, 342, 392; PHIL 351, 381.
3. **Environmental Humanities and Social Sciences,** 9 additional credits from any courses listed above or: ANTH 311, 350, 353, 371, 372, 380; ENGL 358, 363, 365; GEOG 344, 366, 373, 374; HIST 304, 379, 380, 389; PHIL 345, 380, 385, 480; POLI 304, 305, 389; SOC 355, 356, 357, 360, 364; SW 364.
4. **Capstone Experience:** ENGL 392.
5. The Environmental Studies Minor satisfies the Interdisciplinary Studies GEP requirement. For more information, see the [GEP](#) section of the Catalog.

ETHNIC STUDIES

See [History](#) and [Sociology and Native American Studies](#).

ETHNOBOTANY

See [Anthropology](#) and [Biology](#).

EXPERIENTIAL LEARNING PROGRAM

See [Prior Learning Assessment](#).

FAMILY & CONSUMER SCIENCES

See [Health Promotion and Human Development](#).

FIELD EXPERIENCES

See [Education](#) for student teaching and teacher certification OR [Natural Resources](#) for Summer Field Experience.

FILM

See [Communication](#).

First Year Seminar

James Sage, Coordinator

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A First Year Seminar is a foundational course for incoming first-year students designed to introduce critical thinking skills, orient you to the academic community and campus life, and equip you with other skills necessary to be a successful student.

Courses in First Year Seminar

FYS 101. First Year Seminar. 3 cr. Subtitle will designate topic. GEP: FYS

FYS 102. First Year Seminar. 3 cr. Subtitle will designate topic. GEP: FYS, GA

FYS 103. First Year Seminar. 3 cr. Subtitle will designate topic. GEP: FYS, USD

FYS 104. First Year Seminar. 3 cr. Subtitle will designate topic. GEP: FYS, ER

FYS 105. First Year Seminar. 3 cr. Subtitle will designate topic. GEP: FYS, XL

FYS 392. Peer Mentoring in the First Year Seminar. 1 cr. pass/fail. Peer mentor provides small group course assistance to instructor in reading, academic literacies, study skill development and organization of outside classroom activities. Can be repeated for up to 6 credits. Prereq: Successful completion of any FYS. GEP: XL
First Year Seminar Latent Courses: Not offered recently. See full course description in indicated (xx-xx) catalog.

Last listed in (11-13) catalog: 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163

FISHERIES

See [Natural Resources-Fisheries and Water Resources](#).

FOOD AND NUTRITION

See [Health Promotion and Human Development](#).

FOREIGN LANGUAGES

See [World Languages and Literatures](#).

FOREST PRODUCTS

See [Natural Resources - Forestry](#).

FOREST RECREATION

See [Natural Resources - Forestry](#).

FORESTRY

See [Natural Resources](#).

FRENCH

See [World Languages and Literatures](#).

GENDER STUDIES

See [Women's and Gender Studies](#).

GENERAL DEGREE REQUIREMENTS

See the [2011-13 Catalog](http://www.uwsp.edu/acadaff/Catalog%20PDF/2011-13finalcatalog.pdf) at www.uwsp.edu/acadaff/Catalog%20PDF/2011-13finalcatalog.pdf.

GENERAL EDUCATION PROGRAM

See [General Education Program](#) earlier in this catalog.

GENERAL SCIENCE

See [Natural Science](#).

GENERAL STUDIES

See [American Studies](#).

GEOGRAPHIC INFORMATION SYSTEMS (GIS)

See [Geography](#).

Geography (College of Letters and Science)

David Ozsvath, Chair of Geography/Geology
Department

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Faculty: N Heywood, S Kaplan, T Kennedy, E Larsen, K Lemke, I Odogba, K Rice, M Ritter, K Ryavec.

Definition: Geography is the study of spatial patterns to the earth's physical and human environments, and the art and science of map making. Geographers study where things are located on the surface of the earth and why. They also study how places differ from one another, and how people interact with the environment.

Abbreviations:

GIS = Geographic Information Systems

GISc = Geographic Information Science

GISSA = Geographic Information Systems and Spatial Analysis

Geography Major (Bachelor of Science)

Consists of a minimum of 51-60 credits (depending on the option selected, including required courses for a BS and required courses for one of the options listed below.

Required courses:

- 101, 120, 276, 279, 280, 390, and 490 or 491 or 496 (496 required for urban planning option).
- Seven to ten credits of natural science selected from the following list: ASTR 100 or 311; BIOL 100 or 101, BIOL 305; CHEM 101 or 105; PHYS 100 or 101 or 201 or 203.
- MATH 111 or 120 or 355.
- The Geography Major satisfies the Interdisciplinary Studies GEP requirement. For more information, see the [GEP](#) section of the Catalog.

Geography Major (Bachelor of Arts)

Consists of a minimum of 52-58 credits (depending on the option selected, including required courses for a BA and required courses for one of the options listed below.

Required courses:

- 101, 120, 276, 279, 280, 390, and 490 or 491 or 496 (496 required for urban planning option).
- Complete a two-semester sequence of university entry-level world language courses (101, 102). The requirement may be fulfilled through equivalent coursework or other language acquisition as demonstrated through a test-out policy (including Native American languages and American Sign Language). If your native language is not English and you can document formal high school or university study of your native language, then you may use ENGL 101 and 202, or ENGL 150 as a means of fulfilling this foreign language requirement
- MATH 111 or 355.
- The Geography Major satisfies the Interdisciplinary Studies GEP requirement. For more information, see the [GEP](#) section of the Catalog.

Options for Geography

(Select one option):

Geographic Information Science(GISc) and Cartography option:

- GEOG 377, 379, 382, 476 and 479.
- GEOG 376 or 386 and either 477 or 481 or 482.
- Recommended courses: GEOG 376, 386, 477, 481, 482 (whichever was not taken in 2 above); WDMD 201, 202, 302, 364; CIS 110, 120, 210, 345.

Human Geography option:

- GEOG 347, 366 or 369.
- Six additional credits selected from: GEOG 366, 369 (whichever was not taken from option 1 above), 373, 374.
- Nine additional credits selected from: GEOG 211 (required for teacher certification), 226, 300, 301, 302, 325, 328, 329, 365, 366, 368, 369, 373, 374, 382, 391 (when offered as a human geography topic), 393 (when offered with a human geography emphasis), 395, 399, 476, 479.
- Recommended courses: SOC 300, 356, 360; POLI 315, 341; ECON 342, 362, 374; HIST 280, 292, 385, 393.

Physical Geography option:

- GEOG 340 or 344.
- Six credits selected from GEOG 352, 353 or 354, and 358.
- GEOG 377 or 476.
- Six additional credits selected from: GEOG 335, 340, 344, 352, 353, 354, 358, 371, 377, 379, 393 (physical geography topics, 3 cr max), 476; GEOL 330, 370, 393 (3 cr max).
- Recommended courses: BIOL 305; HIST 280; PHIL 380; POLI 304; ENGL 248 or 254.

Urban Planning option:

1. GEOG 364, 373, 388 or NRES 388; GEOG 389 or NRES 389; GEOG 476 and 493.
2. Three additional credits selected from: GEOG 344, 374, 477; NRES 488; POLI 341, 397; SW 365; SOIL 365.
3. Recommended courses: ECON 311, 362, 374; GEOG 300 or 327, 328 or 329, 340, 344, 369, 371, 374, 379, 477, 479; GEOL 330; MATH 355; NRES 340, 395, 488 (if not taken in b. above); SOC 340, 356, 357, 360; SW 365 (if not taken in b. above); POLI 242, 341, 356, 358, 397; SOIL 365 (if not taken in b. above).

Geography Major for Teacher Certification (Bachelor of Science or Bachelor of Arts)

GEOG 113 or 120 and 211 must be taken in addition to the required courses in the major.

NOTE: Enrollment caps are in effect for those seeking teacher certification. Please contact the Department of Geography/Geology early for entrance requirements and application procedures. Also see information about the Professional Education Program and the secondary education curriculum for teacher certification in the [Education](#) section of this catalog.

Geography Minor

Consists of 22 credits of which at least 6 credits must be 300-level or above.

1. GEOG 101 and 120.
2. At least one course from each of the following groups:
 - a. GEOG 110, 113, 211, 226, 300, 301, 302, 327, 328.
 - b. GEOG 329, 340, 342, 344, 369, 370, 371, 372, 373, 374.
3. Additional geography credits to total 22.

Geography Minor for Teacher Certification

Consists of GEOG 101, 113, 120, 211, 276, 280. See the note above regarding enrollments caps for teacher certification.

Environmental Geography Minor

Consists of at least 23 credits

1. Required core, 17 credits: 100, 101, 120, 340, 366.
2. **Physical environment course:** 3 credits from GEOL 330; GEOG 344, 354, 358; or courses approved by adviser and chair.
3. **Human environment course:** 3 credits from 365, 369, 373, 374; or courses approved by adviser and chair.
4. Recommended courses: PHIL 380; NRES 460.
5. Geography majors with a physical geography option may choose the Environment Geography minor, but must take two additional physical geography

courses which do not overlap with the major and minor.

6. Geography majors with a human geography option may choose the Environment Geography minor, but must take two additional human geography courses which do not overlap with the major and minor.

Academic Standards for Geography

1. To be admitted, retained, and approved for graduation as an approved geography major or minor, you must have a minimum cumulative grade point average of 2.00 (2.75 to student teach in geography) for all courses taken within the major or minor, including collateral courses and regardless of a declaration of academic bankruptcy.
 - a. You must complete GEOG 101 and 120 before you are admitted as an approved major or minor; otherwise you are a provisional major or minor.
 - b. If you transfer and have no credits earned at UW-Stevens Point in the major or minor, you will be a provisional major or minor until you complete the minimum requirements.
2. If you do not maintain a 2.00 GPA, you will be placed on geography probation and will have 2 semesters to restore your GPA. If you fail to do so, you will be dropped from the major or minor. The department will attempt to notify and consult with you if you are at or below a 2.00 GPA. However, it is your responsibility to know your own GPA status.
3. Majors must have an adviser in the department. Any department faculty member may advise a geography major. You must file a major declaration form in the department office, keep it current, and confer with your adviser every semester.
4. You may repeat a course in the major or minor only if you follow the policy on repeating courses found in the [More Academic Information](#) section of this catalog.
5. Geography and geology courses taken at the 300 or 400 level on a pass/fail basis do NOT count toward the major or minor.
6. For all Geography majors, the Communication in the Major is satisfied by two of the following courses: 280, 382, 389, 393, and 490.
7. For all Geography majors, the Capstone Experience is satisfied by 490, 491, or 496 (urban planning option).

Geographic Information Systems and Spatial Analysis Minor (GISSA)

Consists of at least 22 credits:

1. Required core, 17 credits: GEOG 276, 279, 377, 379, 476, 479.
2. Applied spatial statistics: 2-3 credits from GEOG 376 or 390, WLDL 311, FOR 322, or courses approved by adviser and chair.

3. Three credits from BIOL 306; GEOG 344, 358, 376 (if not applied to spatial statistics requirement), 382, 386, 471, 472, 473, 480, 481, 482, 483, 484, 485, 486, 487, 488; GEOL 330, 495; FOR 319, 320, 321, 385; NRES 363, 385; SOIL 360, 365; WATR/GEOL 383; WLDL 350; WDMD 110, 200, 302; or courses approved by adviser and chair.
4. Geography majors with the GIS and cartography option may choose the GISSA minor, but must take an additional 6 credits from electives in 3 above.
5. **Academic standards for GISSA minor.**
 - a. To be admitted, retained, and approved for graduation as a GISSA minor, you must have a minimum cumulative GPA of 2.00 for all courses taken in the minor, including collateral courses and regardless of a declaration of academic bankruptcy.
 - b. You must complete GEOG 279 before you are admitted as an approved minor; otherwise you are a provisional minor.
 - c. If you are a transfer student without credits earned at UW-Stevens Point in the minor, you will be admitted as a provisional minor until you have completed the minimum requirements.
 - d. If you do not maintain a 2.00 GPA, you will be on probation for the minor and will have 2 semesters to restore your GPA. If you fail to do so, you will be dropped from the minor. The department will attempt to notify you of any changes in GPA status and consult with GISSA minors who are at or below the 2.00 GPA. However, it is your responsibility to know your own GPA status.

Geographic Information Systems (GIS) Certificate Program

The GIS Certificate is awarded upon successful culmination of a series of courses that center on professional competence and proficiency in the use of GIS. Valued by both private and public employers, it substantiates your expertise in using GIS to address a broad range of geographic-based issues and problems. Program participants will acquire abilities to analyze place-based patterns and trends, recognize geographic relationships, and craft spatial models and scenarios for critical decision-making. Both the Professional GIS Certificate and Focal GIS Certificate (in cartography, forestry, emergency management, urban & regional planning, environmental management, and GIS programming & web development) require a minimum completion of 18 credits. Contact either the UW-Stevens Point GIS Center, Department of Geography & Geology, or the Continuing Education Office for more information about the program.

Capstone Certificate in Geodesign

The Capstone Certificate in Geodesign is intended to fill the growing demand for integrated geospatial design skills in today's job market. Geodesign is an exciting new field that integrates spatial technology into the design/planning process in order to effectively and efficiently inventory, represent, analyze, evaluate, and communicate planning and design alternatives. This collaborative certificate offered by UW-Madison and UW-Stevens Point offers a practical experiential, project-based curriculum to provide skills needed across a spectrum of Geodesign contexts focusing on design and planning solutions.

Complete 15 graduate level credits in the following five courses: GEOG 630, 671, 731, 733, and 734.

If you are a UW-Stevens Point undergraduate and take GEOG 630 and 671 and earn a 3.0/4.0 or better, you may apply these courses toward the Capstone Certificate in Geodesign upon acceptance. Contact the UW-Stevens Point GIS Center, Department of Geography and Geology, or the Geodesign Capstone Coordinator for more information about the program.

Test-Out and Credit-by-Exam Policy for Geography and Geology

The Department of Geography and Geology will offer test-out examinations for all of its general education courses. If you wish to take a test-out examination, first confer with the department chair. Then confer with the faculty member who most recently taught the course.

The comprehensive written exam will be based on material normally covered in the course. The faculty member will notify you in writing before you take the exam of the required minimum passing score. You will receive your grade in writing within two weeks after taking the exam.

Credit will not be granted for GEOG 100 and GEOL 100, but you will receive a waiver for the corresponding GEP requirement. Credit will be granted for all other geography and geology courses listed above. You may take a test-out exam only once.

Courses in Geography

GEOG 100. Human Impacts on the Physical Environment. 3 cr. Physical geographic principles and processes applied to understand selected human impacts on atmosphere, water, land, and biota. Includes detailed, interdisciplinary analysis of several environmental problems, including causes, consequences, and solutions. 2 hrs lec, 2 hrs lab per wk. GDR: NS; EL; GEP: ER, NSC

- GEOG 101. The Physical Environment.** 5 cr. Introduction to modern physical geography: survey spatial distribution of the earth's physical characteristics including weather and climate, water, soils, vegetation, and landforms; discuss environmental processes and interactions creating these physical geographic patterns; discuss importance to humans of the physical environment; use geographic tools including maps, air photos, and investigative techniques. 3 hrs lec, 4 hrs lab per wk; Possible field trip(s). GDR: NS; GEP: NSC
- GEOG 105. The Dynamic Earth.** 3 cr. A contemporary approach to the study of Earth's geologic, atmospheric, hydrologic, and biological systems and its place in the solar system. Wisconsin's natural systems are emphasized. Satisfies earth science requirements for Early Childhood Education, Elementary Education, and Special Education majors. 2 hrs lec, 2 hrs lab per wk. Possible field trips. GEP: NSC
- GEOG 113. World Regional Geography.** 3 cr. Survey major patterns of physical features, culture, and human-land relations by region in today's world; examples may show present and impending resource, environmental, social and political problems, and explore basic solutions. GDR: NW, SS1; GEP: GA, SS
- GEOG 120. Human Geography.** 3 cr. Examine components and spatial expressions of contemporary culture including patterns and problems of population, language, religion, urban and rural settlements, political and economic development from perspectives of diffusion, ecology, integration, landscape, and region. GDR: NW, SS1; GEP: GA, SS
- GEOG 198. Reading in the Discipline.** 1 cr; pass/fail. Does not apply to geography major or minor. Prereq: Con reg in another designated geography course.
- GEOG 211. Wisconsin.** 2 or 3 cr. Geographic analysis of selected physical and cultural features. Prereq: So st. GDR: SS1
- GEOG 226. North America.** 3 cr. Historical and contemporary geographical examination of physical and human landscapes in Canada, Mexico, the Caribbean, and the United States of America. GDR: SS1
- GEOG 276. Introduction to Cartography: Map Conceptualization and Development.** 3 cr. The map production process, including rationale, graphic structure, data collection and organization, map layout, and final production. 2 hrs lec, 3 hrs lab per wk. Prereq: So st.
- GEOG 279. Fundamentals of Geographic Information Systems.** 2 cr. Definition and components of GIS for resource management. Principles and structure of spatial data and cartographic modeling. Spatial data acquisition, manipulation, translation, aggregation, analysis, and presentation. Prereq: Any geography, CNR or environmental science course.
- GEOG 280. Seminar: Geography as a Profession.** 3 cr. Examine geography in professional practice. Includes disciplinary history, programs of study, careers, information resources, current research. Required during first year after declaring major/minor. Prereq: Declared major/minor, or cons instr.
- GEOG 300/500. Africa.** 3 cr. Regional interpretation; distribution and activities of peoples in relation to physical and cultural patterns and various stages and problems of development. GDR: NW, SS1; GEP: GA, SS
- GEOG 301/501. Middle America.** 3 cr. Mexico, Central America, and the Antilles: landforms, climate, natural vegetation, resources, population, historical evolution, political divisions, economic organization.
- GEOG 302/502. Southwest Pacific.** 3 cr. Geography of Australia, New Zealand, and the Southwest Pacific Islands as conditioned by environmental circumstances, native and alien cultural influences, and political affiliations. GDR: NW, SS1; GEP: GA, SS
- GEOG 325/525. Geography of China.** 3 cr. Historical development and contemporary situation of human cultures and regions of China. Explore interrelationships between population, ethnicity, economic activities and the environment in a geographic context. GDR: NW, SS1; GEP: GA, SS
- GEOG 327/527. Asia.** 3 cr. Study historical development and contemporary situation of human cultures and regions of Asia. Explore interrelationships between population, ethnicity, economic activities and the environment in a geographic context. GDR: NW, SS1; GEP: GA, SS
- GEOG 328/528. Europe.** 3 cr. Distinctive features of Europe as a continent; physical/historical background; natural regions and their division into political units; characteristics of each country. GDR: SS1
- GEOG 329/529. Environmental Geography of Europe.** 3 cr. Development of Europe as differentiated and unevenly integrated social ecosystems. Examine comparative environmental practices and policies. Prereq: 100 or 110, or cons instr. GDR: EL.
- GEOG 335/535. Climate: Past, Present, and Future.** 3 cr. Explore the physical and theoretical underpinnings of climate change science. Field and laboratory methods combined with computer model simulations are used to investigate the geological and biological evidence of past, present, and future climate including global warming and its impacts. Field trip(s) required. May not earn credit in both 335/535 and GEOL 335/535. Field trip(s) required. Prereq: 101, GEOL 104 and 106, or cons instr.
- GEOG 340/540. Processes of Environmental Degradation.** 3 cr. Study why and how humans harm the physical environment; includes geographic, cultural, political, economic causes and consequences. Case studies from around the world. Possible field trip(s). GDR: NS (BS, BM, BFA)
- GEOG 344/544. Environmental Hazards.** 3 cr. Human interaction with hazardous phenomena such as earthquakes, storms, and infectious diseases; spatial aspects of the social processes and perceptions creating risk and vulnerability in the environment; local hazards. 2 hrs lec, 2 hrs lab per wk. Field trips are required. Prereq: jr st.
- GEOG 347/547, GIS Applications in Historical Studies.** 3 cr. Basic theories and applications of Geographic Information Science in the study of history. Weekly lectures and lab assignments on GIS methods applied to different historical problems in various cultures and regions of the world. Prereq: 279 or an equivalent GIS course or experience.
- GEOG 350. Physical Geography of New Zealand.** 3 cr. Examine basic physical environmental processes that form and drive the physical environment of New Zealand and resulting geographic environmental patterns. How human activities affect and are affected by natural systems. Develop geographic skills through lab and field work. May require field trips. Offered only during New Zealand semester abroad. GDR: NS
- GEOG 352/552. Geomorphology.** 3 cr. Characteristics, origin, and development of landforms. 2 hrs lec, 2 hrs lab per wk. Possible field trip(s). May not earn credit in both GEOG 352 and GEOL 352. Prereq: 101, or GEOL 104, or cons instr.
- GEOG 353/553. Physical Climatology and Meteorology.** 3 cr. Radiation and energy balances; composition, characteristics, and circulation of the atmosphere. Introduction to weather map analysis and forecasting. Possible field trip(s). Prereq: 101 or cons instr.
- GEOG 354/554. Climatology.** 3 cr. Examine world climatic patterns, climate classification, air pollution climatology, and global climate change. Possible field trip(s). Prereq: 101 or cons instr.
- GEOG 358. Biogeography.** 3 cr. Examine spatial and temporal patterns of plants, animals, and microbes with emphasis on dynamic relationships between life form, population, and habitat. Significance of biotic distributions on human affairs and human impacts on biosphere locations. 2 hrs lec, 2 hrs lab per wk. Field trip(s) required. Prereq: 101 or BIOL 101, or con instr.
- GEOG 364/564. Planning Theory and Process.** 3 cr. Review of historical development of planning theories as they relate to planning practice in select cities in the US and the world. Emphasis on the origin and evolution of planning, and key issues that have confronted planning interventionists in developing solutions to fundamental problems of urban areas. Prereq: Cons instr.
- GEOG 365/565. Tourism Geography.** 3 cr. Cultural, economic, physical, and biotic factors affecting the distribution of recreation and tourism resources and participation. Global as well as local case studies and examples employed. Field trip(s) required.

GEOG 366/566. Historical Geography. 3 cr. Examine the problems of reconstructing past geographies and analyzing changes of geographic phenomena through time. Includes construction and analysis of historical spatial databases. Field trip(s) required. GDR: SS1; GEP: SS

GEOG 368/568. Geography of Religion. 3 cr. Historical development and spatial distributions of the major religions of the world. Study the interactions of belief systems with socioeconomic processes in different parts of the world. GDR: NW, SS1; GEP: SS

GEOG 369/569. Political Geography. 3 cr. Geographical interpretation of selected political areas; the political significance of cultural and physical aspects of such areas. GDR: SS1; GEP: SS

GEOG 370. Transportation and Logistics. 3 cr. Survey/analyze spatial aspects of transportation and communication systems. Includes evolution of transport systems, network and flow analysis, routing and logistics analysis, and transportation planning and management. Possible field trip(s). Prereq: 110 and MATH 355, or cons instr.

GEOG 373/573. Urban Geography. 3 cr. Physical characteristics, spatial patterns, functions, populations, land use, livelihood structures of cities. Possible field trip(s). Prereq: 110 or 120, or cons instr. GDR: SS1; GEP: SS

GEOG 374/574. Rural Geography. 3 cr. The influence of locational characteristics on the social and economic components of the rural environment. Field trip(s) required. GDR: SS1; GEP: SS

GEOG 376. Statistical and Multimedia Cartography. 3 cr. Statistical manipulation and symbolization of spatial data for map presentation. Acquire and handle quantitative data within a multimedia mapping environment. 2 hrs lec, 3 hrs lab per wk. Prereq: 276 or cons instr.

GEOG 377. Remote Sensing I. 3 cr. Characteristics of aerial photographs and digital imagery. Use remote sensing materials to conduct resource inventories, and land use evaluation, and landform analysis. 2 hrs lec, 2 hrs lab per wk. May not earn credit in both GEOG 377 and NRES 377.

GEOG 379/579. Remote Sensing II. 3 cr. Learn principles of remote sensor technology and apply them to inventory earth resources, detect and monitor pollution, and measure other environmental phenomena. Use visual analysis and computer-assisted digital imaging processing techniques to interpret various types of remote sensor imagery. 2 hrs lec, 2 hrs lab per wk. Possible field trip(s). Prereq: 377 or NRES 377.

GEOG 382/582. Dynamic Cartography. 3 cr. Theory and practical applications of interactive mapping and hypermedia presentation. Survey of animated mapping, Web-based cartography, dynamic map displays and associated authoring tools within a multimedia environment. 2 hrs lec, 2 hrs lab per wk. Prereq: 276 or cons instr.

GEOG 386. Map Design and Production. 3 cr. How the graphic elements of a map affect its physical and perceived structure. Graphic communication, design principles, and map production skills. 2 hrs lec, 3 hrs lab per wk. Prereq: 276 or cons instr.

GEOG 388/588. Introduction to Urban and Regional Planning. 3 cr. Historical evolution of urban/regional planning. Theories, ideologies, philosophies, and functional areas of planning. Also primary plan implementation tools. May not earn credit in both GEOG 388/NRES 388.

GEOG 389/589. Urban and Regional Planning Analysis. 3 cr. Research methods for urban and regional planning. Design and implementation of citizen surveys. May not earn credit in both GEOG 389 and NRES 389. Prereq: 373, 388 or NRES 388, MATH 355 or FOR 321 or SOC 351, or cons instr.

GEOG 390. Applied Statistics in Geography. 3 cr. Survey geographic problems and quantitative problem solving methods; create or extract relevant data sets from published geographic resources; apply, interpret, and present appropriate spatial and nonspatial statistics. Prereq: 276, 279; MATH 355 recommended.

GEOG 391/591. Special Topics. 1-3 cr. Subtitle will designate topic of geographical interest. May repeat for credit with different subtitle. Possible field trip(s).

GEOG 393/593. Field Trip in Geography. 1-3 cr. Observe physical and cultural phenomena; required readings, field notebook and/or report. May repeat for credit with change in locale or topic. May not earn credit in GEOG 393 and GEOL 393 under same locale or topic. Possible field trip fee. Prereq: Intro level geog course.

GEOG 395/595. Directed Study. 1-3 cr. You may, with cons instr, arrange for directed study of a geographical topic. Prereq: One geog course, and cons chair.

GEOG 399/599. Research. 1-3 cr. You may arrange for a special research problem with cons instr. Results will be publicly presented. Prereq: Cons chair.

GEOG 430/630. Foundations of Geodesign. 3 cr. Introduction to Geodesign ideas and methods. Explore a Geodesign body of knowledge, consider the use of geospatial technologies in the design and planning professions, contemplate GIS for engaging and empowering the public in decision-making, and apply GIS for spatial data exploration, analysis, resource allocation, impact evaluation, and monitoring. 2hrs lect, 2 hrs lab. Prereq: Existing GIS experience or refresher course.

GEOG 471/671. GIS and Geodesign for Sustainability and Resiliency. 3 cr. Geographic Information Systems (GIS) and Geodesign concepts and applications to support regional and community level sustainability and resiliency initiatives. Examination of spatial analysis topics and practices including sustainability/resiliency indicators, resource management, public participation, decision making and effective presentation.

2 hrs lec, 2 hrs lab. Prereq: 279, 476/676 or Geodesign Certificate students: 630, 731.

GEOG 472/672. GIS Environmental Modeling and Management Techniques. 3 cr. GIS modeling techniques for natural resource managers and environmental scientists. GIS algorithms for recreational management, conservation, habitat suitability, watershed delineation, environmental pollution, land use planning, and natural disasters. 2 hrs lec, 2 hrs lab. Prereq: 476/676, 479/679 or cons instr. Recommended: 377/577, 379/579.

GEOG 473/673. GIS Applications for Managing Working Lands and Operations. 3 cr. Practical application of using GIS and data to effectively plan and manage agricultural working lands and operations. Analysis of local and regional agricultural patterns and trends, utilization of digital soil databases, assessment of community working lands for informing public policy, effective use of working land assets. 2 hrs lec, 2 hrs lab. Prereq: 279 or cons instr.

GEOG 476/676. Geographic Information Systems I. 3 cr. Develop, use and maintain a geographic-based spatial information system (GIS) for resource management. Acquire and assess spatial data. Compare raster and vector data models. Computer-based geographic data handling, analysis, interpretation, and display. Cartographic and spatial modeling. 2 hrs lec, 2 hrs lab per wk. Prereq: Any geography, CNR, or environmental science course; GEOG 279 recommended.

GEOG 477/677. GIS Applications in Local Government. 3 cr. Administration of land records and emergency management services using GIS technology. Fundamentals of GIS-based network and location analysis in relation to cadastral maps, zoning regulations, health services and emergency service infrastructure. 2 hrs lec, 2 hrs lab per wk. Prereq: 476 or cons instr.

GEOG 479/679. Geographic Information Systems II. 3 cr. Intermediate and advanced GIS techniques; integrate medium and large scale digital databases, use rectified aerial and satellite geographic base data. Principles and development of complex environmental and cultural spatial modeling, GIS programming concepts and applications. 2 hrs lec, 2 hrs lab per wk. Prereq: 476; Recommended: 379.

GEOG 480. Internship in Geography. 1-12 cr. Supervised training program in geography in cooperation with public or private agencies. One credit is at least 60 hrs work. Credits and/or additional requirements set by instr before registration. May repeat once for 12 cr max. Prereq: Jr or sr st, 9 cr 300/400 geography courses, and cons intern director.

GEOG 481/681. GIS Database Design and Modeling. 3 cr. Effectively construct, integrate, design and implement geodatabases. Examine storage, cataloging, maintenance and use of geospatial data within practical applications. 2 hrs lec, 2 hrs lab per wk. Prereq: 476, 479 or cons instr.

GEOG 482/682. GIS Programming and Customization. 3 cr. Customize GIS software for extended functionality and utility of the import, query, and display of geospatial information. Use and survey GIS programming languages to develop spatial applications and geographic models. 2 hrs lec, 2 hrs lab per wk. Prereq: 476, 479 or cons instr.

GEOG 483/683. GIS Applications in Emergency Management. 3 cr. Public safety issues and GIS-based response assessment and emergency management. GIS methodologies involving crime analysis, fire response strategies, search and rescue, networked operations, risk assessment, personnel deployment, 911 infrastructure, and homeland security issues. 2 hrs lec, 2 hrs lab. Field trips may be required. Prereq: 279, 476/676 or cons instr.

GEOG 484/684. GIS Applications in Urban and Regional Planning. 3 cr. Use of GIS software and associated techniques within the planning environment. Investigation of GIS techniques used for decision support systems, scenario planning, 3-D visualization, suitability analysis, geographic growth management, public participation and impact assessment for planners. 2 hrs lec, 2 hrs lab. Prereq: 476/676 479/679 or cons instr. Recommended: 388/588, 477/677.

GEOG 485. Practicum in Geography. 1-3 cr. Practical experience in geography under faculty supervision. Proposed practicum requires cons chair. May repeat for 6 cr max. Prereq: jr st, written cons instr.

GEOG 486/686. GIS and GPS Applications in Forestry Management. 3 cr. Design and implementation of silviculture spatial databases using GIS tools. Acquisition and capture of forestry data using global positioning systems (GPS) differential techniques. Use of GIS in forest stewardship assessment, tree stand management and recreational appraisal. Field trips are required. 2 hrs lec, 2 hrs lab. Prereq: 279, 476/676 or cons instr.

GEOG 487/687. GIS Web Server Applications and Administration. 3 cr. Formulation and construction of web-based maps, spatial data and geoprocessing models. Examination of relevant properties, functionality, interoperability and geodata services. Basics of GIS web server systems, installation and operations. 2 hrs lec, 2 hrs lab. Prereq: 476/676, 479/679 or cons instr. Recommended: 481/681, 482/682 and working knowledge of computing and programming.

GEOG 488/688. Mobile GIS Techniques. 3 cr. Principles and practical applications of using mobile GIS. Planning, creation, implementation of an integrated digital network within a public environment. Mobile project design, development, synchronization, maintenance, and deployment. Field trips may be required. 2 hrs lec, 2 hrs lab. Prereq: 476/676, 479/679 or cons instr.

GEOG 490. Senior Research. 3 cr. Capstone experience for geography majors. Define, devise, and pursue a plan to address an approved group problem. Communicate contribution for resolution of problem. Written and oral reports; may require field trips. Experience in team field work and projects. Prereq: 280 and sr st.

GEOG 491. Senior Thesis. 3 cr. Individual capstone experience for geography majors seeking graduate or professional study. Define geographical problem, devise and pursue solution. Communicate findings in written paper and oral presentation. Prereq: Cons 2 faculty. May extend over two consecutive semesters. Prereq: 280, dept GPA 3.50, sr st.

GEOG 493/693. Professional Practice/Planning Ethics. 3 cr. Explore ethical issues that arise in professional practice such as conflict of interest, social justice, public responsibility and fairness. Develop skills in identifying ethical challenges in planning practice and how to respond to them without compromising professional integrity. Prereq: 364 or cons instr.

GEOG 495/695. Advanced Urban and Regional Planning Analysis. 3 cr. Advanced techniques/methods of urban/regional planning. Social and economic analysis. Includes population analysis, income measures, linkages and flow studies, economy composition analysis, economic base analysis, input-output, project evaluation, and GIS applications. Prereq: 279, 389 or NRES 389, or cons instr.

GEOG 496/696. Community Development Practices. 3 cr. Processes and interactions between citizens, community officials, and planners in designing, planning, and implementing community development projects. Social and economic development projects and programs. May require fieldtrip(s). Prereq: 373, 388 or NRES 388, or cons instr.

GEOG 731. Geodesign Methods. 3 cr. Geodesign process methods and techniques for the planning and design fields. Data collection, analysis, visualization, communication. resource allocation, impact evaluation, and monitoring using geospatial technologies.

GEOG 733. Geospatial Approaches to Conservation Design and Adaptation. 3 cr. Discussion and lab course designed specifically for students in the Capstone Certificate in Geodesign. Explore and use applications of GIS particularly related to landscape ecology, environmental analysis and conservation design.

GEOG 734. Geodesign Capstone. 3 cr. Culmination of the Geodesign Capstone Certificate Program. Demonstrate skills, knowledge, and application of the Geodesign knowledge domains by addressing Geodesign problems in society and/or the workforce.

GEOG 779. Geographic Techniques for Educators and Professionals. 1-3 cr. Teachers/professionals examine, develop, and apply one or more spatial technique(s).

Acquisition/assessment of spatial data, computer-based geographic data handling, aggregation, translation, analysis, interpretation and mapping of geographic information. Possible fieldtrip(s). Subtitle will designate topic.

Geography Latent Courses: Not offered recently. See full course description in indicated (xx-xx) catalog.

108/308 Environmental Issues through Films, 2 cr, (93-95)
110 Global Economic Geography, 3 cr, (07-09)
342/542 Soils and Society, 3 cr, (11-13)
371/571 Gender and Environment, 3 cr, (11-13)
372 Industrial Location, 3 cr, (11-13)
375 Mineral Resources, 3 cr, (93-95)
378 Retail and Service Location, 3 cr (11-13)
380 Geographical Analysis, 3 cr, (05-07)

Geology

(College of Letters and Science)

David Ozsvath, Chair of Geography/Geology Department

Room D-332, Science Building

Phone: 715-346-2629

Email: geoggeol@uwsp.edu

Web: www.uwsp.edu/geo

Definition: Geology is the scientific study of the history, structure, and composition of the earth, the natural processes that alter the earth's surface, and the resources and hazards associated with the geologic environment.

Geology Minor

Consists of 22 credits:

1. GEOL 104, 106, 300, 310 and 320.
2. Either GEOL/GEOG 352 or GEOL 370.
3. Remaining credits to total 22 selected from GEOL 330, 335, 352*, 370*, 383, 385, 391, 393 (max 3 cr), 395, 479, 487, 495; GEOG 279, 352*, 390, 393

(provided cross-listed with Geology, max 3 cr), 377 or 476, BIOL 311.

*If not taken in 1-2 above.

Academic Standards for Geology Minor

- To be admitted, retained, and approved for graduation as an approved geology minor, you must have a minimum cumulative grade point average of 2.00 for all courses taken within the minor, including collateral courses and regardless of a declaration of academic bankruptcy.
 - You must complete GEOL 104 before you are admitted as an approved minor; otherwise you are a provisional minor.
 - If you transfer and have no credits earned at UW-Stevens Point in the minor, you will be a provisional minor until you complete the minimum requirements.
- If you do not maintain a 2.00 GPA, you will be placed on geology probation and will have 2 semesters to restore your GPA. If you fail to do so, you will be dropped from the minor. The department will attempt to notify and consult with you if you are at or below a 2.00 GPA. However, it is your responsibility to know your own GPA status.
- You may repeat a course in the minor only if you follow the policy on repeating courses found in the **More Academic Information** section of this catalog.
- Geology, geography, and biology courses taken at the 300 or 400 level on a pass/fail basis do NOT count toward the minor.

TEST-OUT AND CREDIT-BY-EXAM POLICY FOR GEOGRAPHY AND GEOLOGY

See the statement under [Geography](#).

Courses in Geology

GEOL 100. Geology and Science. 3 cr. Introduction to scientific inquiry as it applies to understanding human interactions with the physical environment. 2 hrs lec, 2 hrs lab per wk. Group work required; Possible field trip(s). GDR: NS; GEP: NSC

GEOL 104. Physical Geology. 4 cr. Introduction to study of minerals and rocks and processes that act upon and within the earth. 3 hrs lec, 2 hrs lab per wk. Possible field trip(s). GDR: NS; GEP: NSC

GEOL 106. Earth History. 1 cr. Development of the earth through time. Prereq: 104 or con reg.

GEOL 198. Reading in the Discipline. 1 cr; pass/fail. Does not apply to geology minor. Prereq: Con reg in another selected geology course.

GEOL 300. Mineralogy and Petrology. 4 cr. Origin and classification of common rocks and minerals with emphasis on hand sample identification. Field trip(s) required. Prereq: 104 or cons instr.

GEOL 310/510. Sedimentary Geology. 3 cr. Origin, evolution, and classification of sedimentary rocks and surficial deposits; modern and ancient depositional systems; stratigraphic principles; resource significance of sedimentary deposits. Possible field trip(s) Prereq: GEOL 104, or cons. instr.

GEOL 320. Structural Geology. 3 cr. Analysis of rock deformation features such as folds, faults and shear zones, their tectonic significance. 2 hrs lec, 2 hrs lab per wk. Field trip(s) required. Prereq: 104.

GEOL 330/530. Environmental Geology. 3 cr. Apply geological principles to understand and solve problems associated with human interaction with the physical environment, including soil and rock mechanics, slope stability, land subsidence, earthquakes, coastal erosion, and resource extraction. 2 hrs lec and 2 hrs lab per wk. Field trip(s) required. Prereq: 104.

GEOL 335/535. Climate: Past, Present, and Future. 3 cr. Explore the physical and theoretical underpinnings of climate change science. Field and laboratory methods combined with computer model simulations are used to investigate the geological and biological evidence of past, present, and future climate including global warming and its impacts. May not earn credit in both 335/535 and GEOG 335/535. Field trip(s) required. Prereq: GEOG 101; GEOL 104 and 106, or cons. instr.

GEOL 352/552. Geomorphology. 3 cr. Characteristics, origin, and development of landforms. 2 hrs lec, 2 hrs lab per wk. Possible field trip(s). May not earn credit in both GEOL 352 and GEOG 352. Prereq: 104, or GEOG 101, or cons instr.

GEOL 370/570. Glacial Geology. 3 cr. Origin and development of glacial features and related phenomena over the last three million years. Possible field trip(s). Prereq: 104 or GEOG 101.

GEOL 383/583. Hydrogeology. 3 cr. Hydrologic budgets, occurrence and movement of groundwater, flow net analysis, well hydraulics and interpretation of aquifer pumping tests, well head protection. 2 hrs lec, 2 hrs lab per wk. May not earn credit in both GEOL/WATR 383. Prereq: 104 or cons instr.

GEOL 385/585. Geologic Site Investigations. 2 cr. Site investigation design; drilling, sampling, and well installation; description and classification of rock cores and sediment samples; analysis and interpretation of subsurface geologic data. (II) Prereq: 104, 383 or WATR 383, or cons instr.

GEOL 393/593. Field Trip in Geology. 1-3 cr. Observe geological phenomena; readings, field notebook and/or report. May repeat for credit with change in locale or topic. May not earn credit in GEOL 393 and GEOG 393 under same locale or topic. Possible field trip(s). Prereq: Intro geology course.

GEOL 395/595. Directed Study. 1-3 cr. You may arrange for directed study of a geological topic with cons instr. Prereq: Cons instr, and a 300 level geology course.

GEOL 480. Internship in Geology. 1-12 cr. Supervised training program in geology in cooperation with public or private agencies. One cr equals at least 60 hrs work. Credits and/or addl requirements set by instr before registration. May repeat once for 12 cr max. Prereq: Jr or sr st, 9 credits 300/400 geology courses, and cons intern director.

GEOL 485. Practicum in Geology. 1-3 cr. Practical experience in geology under faculty supervision. Proposed practicum requires cons chair. May repeat for 6 cr max. Prereq: Jr st and written cons instr.

GEOL 487/687. Groundwater Geochemistry. 3 cr. Factors and processes controlling the chemistry of subsurface waters including mineral solubility, complexation, redox reactions, ion exchange, and absorption; hydrochemical behavior of contaminants. May not earn credit in both GEOL 487 and WATR 487. Prereq: 104; CHEM 106 or 116; WATR 180; or cons instr.

GEOL 490. Senior Research. 3 cr. Capstone experience for geoscience majors. Define, devise, and pursue a plan to address an approved group problem. Communicate contribution for resolution of problem. Written and oral reports; may require field trips. Experience in team field work and projects. Prereq: Declared Geoscience major and sr st.

GEOL 491. Senior Thesis. 3 cr. Individual capstone experience for geoscience majors seeking graduate or professional study. Define geological problem, devise and pursue a solution. Communicate findings in written paper and oral presentation. May extend over two consecutive semesters. Prereq: cons two faculty; declared Geoscience major; dept. GPA 3.50; and sr st.

GEOL 730. Environmental Geology for Educators. 1 cr.
Examine effects that earth materials and geologic processes have on humans and society, emphasizing natural geologic hazards. Exposure to resources for teaching environmental geology including the Internet. Prereq: Bachelor's degree.

Geology Latent Course: Not offered recently. See full course description in indicated (xx-xx) catalog.
391/591 Special Topics, 1-3 cr, (03-05)
475/675 Groundwater Management, 1 cr (07-09)
479/679 Contaminant Hydrogeology, 3 cr, (11-13)
495/695 Application of Computer Modeling to Hydrogeology, 3 cr, (11-13)

Geoscience

(College of Letters and Science)

David Ozsvath, Chair of Geography/Geology
Department

Room D-332, Science Building

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Email: geoggeol@uwsp.edu

Web: www.uwsp.edu/geo

Faculty: K Hefferan, S Kaplan, E Larsen, K Lemke,
D Ozsvath, K Rice.

Definition: As a geoscientist you will study earth materials (minerals, rocks, water), geologic processes, and geospatial relationships. Geoscience includes aspects of earth science, geology, physical geography, and geographic techniques such as mapping and geographic information systems.

Geoscience Major (Bachelor of Science)

Consists of a minimum of 55-65 credits including required core courses, required courses for one of the options listed below, and collateral courses.

Required core courses, 21 credits: GEOL 104, 106, 300, 310, 320, 393, and 490 or 491.

Select one option:

1. **Environmental Analysis Option** (59 credits):
 - a. GEOG 101, 276, GEOG/GEOL 335, GEOG/NRES 377, GEOG 379, 476 and 479.
 - b. Six additional credits selected from: GEOL/GEOG 352, GEOL 330, 370, 383, 393 (if different topic from core course); GEOG 340, 344, 354, 376, 382, 386, 390; SOIL 364, 365, 366, 367; NRES 373; WSTE 350.
 - c. MATH 355.
 - d. Collateral courses: A minimum of five credits of natural science selected from the following: ASTR 311; BIOL 101, 305; CHEM 101 or 105 or 117; PHYS 201 or 203.
2. **Hydrogeology Option** (60-65 credits):
 - a. GEOG/GEOL 352.
 - b. GEOL 370, 383, 487.
 - c. GEOG 279, 476, 479.
 - d. CHEM 105 and 106, or 117.
 - e. MATH 111 or 118.
 - f. PHYS 201 and 202; or 203 and 204.
3. **Biogeoscience Option** (55-60 credits):
 - a. BIOL 101 or 130 or 160.
 - b. CHEM 105 and 106, or 117.

- c. GEOG 279.
- d. MATH 111 or 118 or 120.
- e. Choose six additional credits from: ANTH 311; BIOL 305, 311, 322, 323, 332, 370; GEOG 358.
- f. Choose twelve additional credits from (if not taken in e. above): ANTH 311; BIOL 305, 311, 322, 323, 332, 370, 399 (Paleofossil Lab), 498 (Evolution Lab); GEOG/GEOL 335, 352, 393 (if different geoscience topic from core course); GEOG 354, 358; Geol 330, 370, 383, 480, 485; SOIL 350, 362.

Academic Standards for Geoscience Major

1. To be admitted, retained, and approved for graduation as an approved Geoscience major, you must have a minimum cumulative grade point average of 2.00 for all courses taken within the major, including collateral courses and regardless of a declaration of academic bankruptcy.
 - a. You must complete GEOL 104 before you are admitted as an approved major; otherwise you are a provisional major.
 - b. If you transfer and have no credits earned at UW-Stevens Point in the major, you will be a provisional major until you complete the minimum requirements.
2. If you do not maintain a 2.00 GPA, you will be placed on geoscience probation and will have two semesters to restore your GPA. If you fail to do so, you will be dropped from the major. The department will attempt to notify and consult with you if you are at or below a 2.00 GPA. However, it is your responsibility to know your own GPA status.
3. Majors must have an adviser in the department. Any department faculty member may advise a geoscience major. You must file a major declaration form in the department office, keep it current, and confer with your adviser every semester.
4. You may repeat a course in the major only if you follow the policy on repeating courses found in the [More Academic Information section](#) of the UW-Stevens Point Catalog.
5. Geography and geology courses taken at the 300 or 400 level on a pass/fail basis do NOT count toward the major.
6. For all Geoscience majors, the Communication in the Major is satisfied by two of the following courses: GEOL 393, 490 or GEOG 382.
7. For all Geoscience majors, the Capstone Experience is satisfied by GEOL 490 or 491.

TEST-OUT AND CREDIT -BY-EXAM POLICY FOR GEOGRAPHY AND GEOLOGY

See the statement under [Geography](#).

GERMAN

See [World Languages and Literatures](#).

GERONTOLOGY

See [Sociology](#).

G.I.S.

See [Geography](#).

GRADUATE STUDY

See the [Graduate](#) section later in this catalog.

GRAPHIC DESIGN

See [Art & Design](#).

HEALTH AND WELLNESS MANAGEMENT

See [Health Promotion and Human Development](#).

Health Care Professions

(College of Professional Studies)

Susan Raab, Head of the School of Health Care Professions

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Faculty: D Barten, D McCarty, J Olmsted,
S Raab, M Rasmussen, M Shulfer,
N Slizewski

Medical Director: Lloyd Arnold, MD

Definitions: Clinical laboratory science consists of (1) medical technology for performing lab tests used in preventing, diagnosing, and monitoring diseases; (2) cytotechnology for examining tissues and fluids microscopically to distinguish cancerous from normal cells; and (3) histotechnology for preparing slides for microscopic examination using complex processing and staining techniques. Professionals in these fields study microbiology, hematology, clinical chemistry, immunology, blood bank and more.

The health science major will prepare you with an interdisciplinary and liberal arts foundation for a variety of professional careers within the health care system. Core courses emphasize the human, behavioral, and physical sciences, and foster an appreciation of the complexities of the health care system. You select one of four specific options of study: prephysical therapy, preoccupational therapy, health care administration, or health care informatics.

Clinical Laboratory Science Major (Bachelor of Science)

1. **Academic core requirements:**
 - a. General Education Program requirements.
 - b. Clinical Laboratory Science, 25 credits: CLS 105, 125, 205, 365, 415, 425, 427, 428, 435, 499.

- c. CHEM 105 and 106 or 117.
 - d. BIOL 160, 210, 333, 385.
 - e. MATH 355 or HS 301
 - f. HS 295, 360, 385.
 - g. Communication in the Major is satisfied by 6 credits among the following courses: CLS 399, 499; HS 295, 360, 385.
 - h. Capstone Experience: CLS 399 or 499.
 - i. Complete requirements for one option: cytotechnology, histotechnology, or medical technology.
2. Apply to the appropriate professional program. Acceptance is based on academic credentials, interviews, and available clinical sites. You are eligible to apply for an appropriate clinical practicum after you are formally accepted into the professional program.
 3. **Clinical practicum:** 24-26 credits in an affiliated clinical laboratory. Please note that meeting or exceeding the requirements for eligibility to apply for the clinical practicum does not guarantee placement.
 - a. **Cytotechnology** clinical practicum, 26 credits in an affiliated lab: CLS 400, 401, 468, 469, 470, 471, 479, 480, 489, 490.
 - b. **Histotechnology** clinical practicum, 24 credits in an affiliated lab: CLS 402, 409, 410, 411, 412, 420, 421, 488, 491.
 - c. **Medical technology** clinical practicum, 24 credits in an affiliated lab: CLS 406, 416, 426, 436, 446, 476, 486, 499.

Cytotechnology Option

Includes the academic program (98-103 on-campus credits) and the clinical practicum (26 off-campus credits).

1. Complete the Clinical Laboratory Science academic core requirements above.
2. Biology, 10-15 credits: BIOL 314, 326, 387. We recommend BIOL 130 to complete a biology minor.
3. Chemistry:
 - a. CHEM 220 and 260 (recommended).
 - b. Take CHEM 248, 325, 326, and 365 if you are planning graduate work or other professional programs.

Histotechnology Option

Includes the academic program (98-103 on-campus credits) and the clinical practicum (24 off-campus credits).

1. Complete the Clinical Laboratory Science academic core requirements above.
2. Biology, 10-15 credits: BIOL 314, 326, 387. We recommend BIOL 130 to complete a biology minor.
3. Chemistry:
 - a. CHEM 220 and 260 (recommended).
 - b. Take CHEM 248, 325, 326, and 365 if you are planning graduate work or other professional programs.

Medical Technology Option

Includes the academic program (117-118 on-campus credits) and the clinical practicum (24 off-campus credits).

1. Complete the Clinical Laboratory Science academic core requirements above.
2. Clinical Laboratory Science, 13 credits: CLS 405, 414, 445, 465.
3. Chemistry, 16 credits: CHEM 248, 325, 326, 365.
4. You must attend one summer session following your sophomore or junior year.

Accreditation – Medical Technology Option

The UW-Stevens Point Clinical Laboratory Science Program, Medical Technology Option, is accredited by the National Accrediting Agency for Clinical Laboratory Sciences. Inquiries regarding the accreditation status of the program may be directed to: NAACLS, 5600 N. River Rd., Suite 720, Rosemont, IL 60018-5119; phone 773-714-8880; fax 773-714-8886; email info@naacls.org.

Affiliation agreements

This university has affiliation agreements with medical facilities to provide clinical practicum education for seniors. The director and the educational coordinators of the affiliated clinical laboratories are given courtesy appointments as university honorary associate faculty.

(Also see listings under *University Associates, Health Care Professions* at: www.uwsp.edu/acadaff/Catalog%20PDF/UWSP_Faculty_Staff_current.pdf).

Affinity Health System, Appleton;
 Aspirus Wausau Hospital, Wausau;
 Bellin Memorial Hospital, Green Bay;
 Berkshire Medical Center, Pittsfield, MA;
 Black River Memorial Hospital, Black River Falls;
 Divine Savior Healthcare, Portage;
 Edward Hines, Jr. V.A. Hospital, Hines, IL;
 Howard Young Medical Center, Woodruff;
 Langlade Hospital, Antigo;
 Marshfield Labs//Marshfield Clinic, Marshfield;
 Mercy Health System, Janesville;
 Ministry St. Mary's Hospital, Rhinelander;
 Ministry St. Michael's Hospital, Stevens Point;
 Monroe Clinic, Monroe;
 Richland Hospital, Richland Center;
 Riverview Hospital, Wisconsin Rapids;
 Sacred Heart Hospital, Eau Claire;
 St. Mary's Hospital, Green Bay;
 St. Mary's Hospital, Madison;
 St. Vincent Hospital, Green Bay;
 Sauk Prairie Memorial Hospital, Prairie du Sac;
 Southwest Health Center, Platteville;
 ThedaCare Laboratories, Neenah;
 Upland Hills Health, Dodgeville;
 UW Health, University of Wisconsin Hospital & Clinic, Madison;
 Wild Rose Community Memorial Hospital, Wild Rose;
 Wisconsin State Laboratory of Hygiene, Madison.

Health Science Major (HS) (Bachelor of Science)

1. Academic core requirements:
 - a. General Education Program requirements.
 - b. Health Science, 22 crs: 105, 150, 295, 360, 385, 395, 410, 490, 499.
 - c. Collateral courses: ANTH 380; BIOL 160, 385; CHEM 105; HS 301 or MATH 355; PHIL 121, 302; POLI 306; PSYC 110; SOC 101.
 - d. Communication in the Major is satisfied by 6 credits from among the following courses: HS 295, 310, 360, 385, 499.
 - e. Capstone Experience: HS 490 or 498.
2. Select one option from health care administration, health care informatics, preoccupational therapy, or prephysical therapy (below).

Health Care Administration Option

1. Complete the HS core requirements above.
2. ACCT 210; BUS 320, 324, 330; CIS 110; ECON 111, 324.
3. Electives: At least 9 credits in business administration courses at the 300-400 level not including BUS 497, 498, 499.

Health Care Informatics Option

1. Complete the HS core requirements above.
2. ACCT 210, 211.
3. Select one area of emphasis:
 - a. Computer Information Systems: CIS 110, 120, 210, 220, 310; MATH 209 OR
 - b. Web and Digital Media Development: WDMD 100, 110, 200, 201, 210, 302, and 6 credits in WDMD courses numbered 345 and above.

Pre-Occupational Therapy Option

1. Complete the HS core requirements above.
2. BIOL 387; FN 253, HP/W 312; HS 390; P ED 310; PHYS 203; PSYC 260, 351.

Pre-Physical Therapy Option

1. Complete the HS core requirements above.
2. BIOL 387; CHEM 106; FN 253; HP/W 312; HS 390; P ED 310; PHYS 203, 204; PSYC 260, 351.

Academic Standards for Clinical Laboratory Science or Health Science Major

For acceptance and continued registration as a candidate for the clinical lab science or health science major you must have a grade point average of 2.75 overall and in the sciences, including biology, chemistry, mathematics, health science, and clinical lab science at the end of your sophomore year. You are screened during the summer following your sophomore year for acceptability to apply for clinical practicum positions. You must also maintain a 2.75 GPA overall and in the sciences throughout your junior year.

Grades in required courses taken prior to declaring academic bankruptcy or in repeating courses will be used in calculating your grade point average. No more than two courses with grades of less than C- will be accepted in the major and/or may be repeated for credit. If you do not meet these standards, you may petition the director for consideration. Courses in clinical lab science are open to all students who meet the prerequisites. The minimum GPA for graduation is 2.50.

Test-Out and Credit-by-Exam Policy for the School of Health Care Professions

Advanced placement and credit-by-exam are available for all courses offered through the School of Health Care Professions. Contact the school chair for additional information.

Courses in Clinical Laboratory Science

**Clinical practicum: courses marked with (*) will be completed at affiliated clinical laboratories. Admission to the Professional Program is a prerequisite for all clinical practicum courses.*

- CLS 100. Overview of Health Occupations.** 2 cr. Investigate 200-plus careers in the health industry with job shadowing experiences in community health care facilities. Includes medical terminology, physiology and anatomy, disease processes, interpersonal skills, current health issues/concerns.
- CLS 101. Evolution of Health Care.** 1 cr. History of medicine and evolution of health care professionals in context of philosophical and cultural influences. CLS 100 in addition to 101 will be accepted as an equivalent to CLS 105. Prereq: 100.
- CLS 105. Evolution of Health Care and Health Care Professions.** 3 cr. History of medicine and evolution of health care professions in the context of philosophical and cultural influences; examine various health care systems; analyze current health care system and health professions in the United States. 3 hrs lec per wk. GDR: SS2
- CLS 125. Introduction to Clinical Laboratory Science.** 2 cr. Overview of laboratory safety, phlebotomy, immunology, immunohematology, hematology, coagulation, clinical chemistry, body fluid analysis, diagnostic microbiology, and molecular pathology. Major topics are accompanied with introductory lab exercises. 1 hr lec, 2 hrs lab per wk.
- CLS 205. Clinical Orientation.** 1 cr; pass/fail. Hospital introduction to laboratory techniques. Open to students considering a CLS major.
- CLS 365. Body Fluid Analysis.** 2 cr. Theoretical and practical aspects of chemical and microscopic analysis of urine, cerebrospinal fluid, synovial fluid, and serous fluid. 2 hrs lec per wk. Independent lab. Prereq: BIOL 385.
- CLS 395. Environment, Health, and Technology.** 3 cr. The changing environment and its relationship to human health, including historical review, current concerns, and future projections. Topics: health effects of radiation, water and air pollutants, antibiotics, emerging infectious diseases and overpopulation. Case studies. Prereq: Jr st. GDR: EL; GEP: ER
- *CLS 399. Special Work.** 1-3 cr. Special independent research projects. Credit based on scope of project. Prereq: Jr st and cons chair.
- *CLS 400. Cytologic Techniques I.** 3 cr. Study common diagnostic techniques in cytology.
- *CLS 401. Cytologic Techniques II.** 3 cr. Study advanced techniques and emerging methodologies in cytology.
- *CLS 402. Microscopy.** 1 cr. Study of light and electron microscopy techniques for the histology laboratory.

- CLS 405. Clinical Chemistry.** 5 cr. Study physiology of body analytes, organ systems, and clinical procedures corresponding to human disease states; discuss areas unique to clinical chemistry laboratory and professional performance. 3 hrs lec, 1 hr disc, 3 hrs lab per wk. Prereq: CHEM 365 or con reg.
- *CLS 406. Clinical Chemistry Practicum.** 4 cr. Apply principles of clinical chemistry; use chemical analytical techniques to determine specific substances and correlate results to various disease states. Prereq: 405.
- CLS 409. Immunohistochemistry.** 3 cr. Study the theory and techniques in immunohistochemistry staining.
- *CLS 410. Histology Techniques I.** 3 cr. Study laboratory safety, specimen processing and accessioning, instrumentation, and fixation.
- *CLS 411. Histology Techniques II.** 3 cr. Study techniques for tissue processing, theories of staining, and tissue embedding.
- *CLS 412. Histology Instrumentation.** 3 cr. Study of routine histology instruments; tissue preparation and use of microtomes and other instruments in preparing and staining specimens for microscopic examination.
- CLS 414. Hemostasis.** 1 cr. Study mechanisms and disorders of hemostasis and fibrinolysis; diagnostic techniques and instrumentation used in patient diagnosis. 1 hr lec, 1 hr lab per wk.
- CLS 415. Hematology.** 4 cr. Study the hematopoietic system including the relationship of hematologic disease states to diagnostic characteristics; determine blood and bone marrow cellular morphology; discuss erythrocyte and leukocyte disorders; study diagnostic techniques and correlate results to disease processes. 3 hrs lec, 3 hrs lab per wk. Prereq: BIOL 385.
- *CLS 416. Clinical Hematology/Hemostasis Practicum.** 4 cr. Practical application of theoretical knowledge in hematology and hemostasis; process and analyze patient specimens; use instrumentation and microscopic techniques to determine anemias, leukemias, coagulation disorders, and other disease processes. Prereq: 415.
- *CLS 420. Special Stains.** 6 cr. Use special staining methodology for connective tissue, nerve cells, lipids, amyloid, minerals, pigments, microorganisms, and enzymes.
- *CLS 421. Frozen Sections and Cytology Preparation.** 3 cr. Study the techniques to prepare frozen tissue and sections for microscopic examination.
- CLS 425. Diagnostic Medical Microbiology.** 5 cr. Study bacterial, mycoplasmal, rickettsial, and chlamydial diseases of humans; identify clinical signs and symptoms of these diseases; explore collection, transportation, modes of transmission, and laboratory methods used to detect and identify the pathogens as well as appropriate antibiotic therapy. 3 hrs lec, 6 hrs lab per wk. Prereq: BIOL 333 or con reg.
- *CLS 426. Diagnostic Microbiology Practicum.** 5 cr. Cultivate, isolate, and identify pathogenic bacteria, fungi, viruses, and parasites from a variety of patient specimens; perform antibiotic sensitivities and therapeutic drug testing. Prereq: 425.
- CLS 427. Diagnostic Medical Parasitology.** 1 cr. Study life cycles of human parasites of medical significance. Identify clinical signs, symptoms, treatment, and epidemiology associated with human parasitic disease. Examine specimen collection, transportation and laboratory methods used to detect and identify the parasites. 1 hr lec, 2 hrs lab per wk for 8 wks. Prereq: BIOL 333.
- CLS 428. Medical Mycology.** 1 cr. Study medically significant fungi. Identify clinical signs, symptoms, treatment, and epidemiology associated with human mycotic diseases. Explore laboratory methods used to detect and identify organisms. 1 hr lec, 2 hrs lab per wk for 8 wks. Prereq: BIOL 333.
- CLS 435. Immunology.** 3 cr. Study concepts in immunology and serologic techniques used to diagnose disease; discuss immuno-deficiency diseases, autoimmune disorders, immunology of malignancies, and hypersensitivities. 2 hrs lec, 3 hrs lab per wk. Prereq: BIOL 385
- *CLS 436. Clinical Immunology Practicum.** 2 cr. Apply clinical immunologic techniques to identify antigen-antibody reactions and relate to disease states; explore principles and interpretation of HLA testing and flow cytometry. Prereq: 435.

CLS 445. Immunohematology. 4 cr. Study of human blood group systems, antibody screening and identification, blood components, compatibility testing, donor selection and processing, blood bank regulations; perform blood bank procedures. 2 hrs lec; 3 hrs lab per wk. Prereq: BIOL 385.

***CLS 446. Clinical Immunohematology Practicum.** 3 cr. Concepts of blood banking; determine patient compatibility for blood and blood components; solve hemolytic disease and antibody identification problems; process blood and components; explore histocompatibility techniques. Prereq: 445.

CLS 451. Advanced Clinical Studies in Immunology and Immunohematology. 2 cr. Advanced study of immunological principles in diagnostic testing; problems and solutions to compatibility testing for blood components and tissue and organ transplants. Prereq: CLT (NCA) or MLT (ASCP) certification; admis to professional program.

CLS 452. Advanced Clinical Studies in Hematology and Hemostasis. 2 cr. Principles and procedures of complex clinical tests used to diagnose, treat and monitor patients with leukemias, anemias, and other hematologic disorders. Examine factors involved in complicated hemostasis situations. Prereq: CLT (NCA) or MLT (ASCP) certification; admis to professional program.

CLS 453. Advanced Studies in Clinical Chemistry. 2 cr. Advanced automated and manual techniques in chemical analysis of blood, urine, cerebrospinal fluid, synovial fluid, and other fluids and tissues. Focus on problem solving in clinical chemistry lab. Prereq: CLT (NCA) or MLT (ASCP) certification; admis to professional program.

CLS 454. Advanced Diagnostic Microbiology. 2 cr. Advanced techniques used to handle and identify fastidious and highly infectious microbes, especially antibiotic-resistant organisms. Appropriate responses to biohazardous spills, potential contamination of food and water, and bioterrorism. Prereq: CLT (NCA) or MLT (ASCP) certification; admis to professional program.

***CLS 461. Advanced Clinical Practicum in Immunology and Immunohematology.** 3 cr. Perform advanced diagnostic tests in immunology and correlate results to disease states of patients. Prepare blood products for patient infusion. Perform compatibility tests and resolve issues with incompatible situations. Apply principles of quality assurance. Prereq: 451.

***CLS 462. Advanced Clinical Practicum in Hematology and Hemostasis.** 3 cr. Perform complex clinical tests to diagnose, treat, and monitor patients with leukemias, anemias, and other hematological disorders. Determine factor deficiencies in problem situations encountered in hemostasis. Apply principles of quality assurance. Prereq: 452.

***CLS 463. Advanced Clinical Practicum in Clinical Chemistry and Body Fluids.** 3 cr. Perform complex chemical analysis of blood, urine, cerebrospinal fluid, synovial fluid, and other fluids and tissues. Interpret and correlate test results with disease processes. Apply principles of quality assurance. Prereq: 453.

***CLS 464. Advanced Clinical Practicum in Diagnostic Microbiology.** 3 cr. Process, isolate, and identify fastidious and highly infectious microbes. Perform and interpret antibiotic sensitivity tests. Perform quantitative drug testing and determine therapeutic range. Respond to emergency enactment situations. Apply principles of quality assurance. Prereq: 454.

CLS 465. Molecular Pathology. 3 cr. Study composition, structure, function, and characteristic DNA; use clinical laboratory techniques to isolate, amplify, manipulate, and analyze DNA sequences; relate to human health and disease states. 1 hr lec, 6 hrs lab per wk.

***CLS 468. Gynecologic Cytology.** 6 cr. Study normal cell differentiation in the female reproductive system. Identify and describe cellular changes/abnormalities in cells found in female reproductive organs.

***CLS 469. Pulmonary Cytology.** 3 cr. Study normal cell differentiation in the lung. Identify and describe cellular changes and abnormalities in cells found in pulmonary tissue.

***CLS 470. GI Tract Cytology.** 3 cr. Study normal cell differentiation. Identify and describe cellular changes and abnormalities in cells found in the GI tract.

***CLS 471. Urinary Tract Cytology.** 2 cr. Study normal cell differentiation. Identify and describe cellular changes and abnormalities in cells found in the urinary tract.

***CLS 476. Clinical Body Fluid Analysis.** 1 cr. Clinical study of body fluids including cerebral spinal fluid, synovial fluid, pleural fluid, seminal fluid, and urinalysis; discuss specimen analysis, diagnostic procedures, and test results as related to disease. Prereq: 365.

***CLS 479. Body Fluid Cytology.** 2 cr. Distinguish normal cells from cells undergoing changes and abnormal cells in various body fluids.

***CLS 480. Aspiration Cytology.** 2 cr. Classification and differentiation of cells obtained through aspiration techniques.

***CLS 486. Management and Laboratory Information Systems.** 2 cr. Management theory and application of management techniques to laboratory situations; fundamentals of laboratory information systems. Prereq: Admission to professional program.

***CLS 488. Methodologies in Histology Education.** 1 cr. Current approaches to education in the histology laboratory.

***CLS 489. Methodologies in Cytology Education.** 1 cr. Current approaches to education in the cytology laboratory.

***CLS 490. Management in Cytology.** 1 cr. Study of cytology laboratory management practices.

***CLS 491. Management in Histology.** 1 cr. Study of histology laboratory management practices.

***CLS 499. Advanced Clinical Studies.** 3 cr. Capstone course under supervision of mentor. Design and conduct research project in specialty area of clinical laboratory science; prepare major research paper and presentation. GEP: XL

Courses in Health Science

HS. 105. Survey of Common Diseases. 3 cr. Examine major disease categories such as infectious disease, cancer, diabetes, stroke, heart disease. Explore basic physiology, causes, risk factors, and prevention within context of public health.

HS 150. Introduction to Healthcare Informatics. 1 cr. Explore the rapidly evolving interdisciplinary field of healthcare informatics and the vital role information systems play in 21st century healthcare.

These systems include clinical practice, research, education, and administration. Topics include history, ethics, structure and its function toward improving healthcare quality and delivery. Prereq: MATH 100.

HS 295. Medical Terminology. 3 cr. Examine bases of medical terms: prefixes, suffixes, roots, combined forms; terms that name the nine basic body systems and organs.

HS 301. Fundamentals of Biostatistics. 3 cr. Applied research for the medical and biological sciences. Emphasis on principles of statistical reasoning, underlying assumptions, hypothesis testing, and careful interpretation of data results. Topics include descriptive statistics, graphical displays of data, probability, confidence intervals and tests for means, differences of means, sample size and power, difference of proportions, chi-square tests for categorical variables, regression, multiple regression, and non-parametric statistics. Prereq: 105, MATH 100. GEP: QL

HS 310. Communication in Health Care. 3 cr. Fundamentals of teaching and learning in health care. Explore techniques of therapeutic communication and common barriers to patient learning and achievement of health and disease management goals. Prereq: HS 105, BIOL 385.

HS 360. Research Design and Methods for the Health Sciences. 3 cr. Design, experimental methods and critical interpretation of research publications in the health sciences. Topics include review of biomedical research publications, research ethics, and evidence-based healthcare. Conduct a group research project, demonstrating the steps in conducting research, protocol development, data collection and data analysis, and presenting research results. Prereq: 301 or MATH 355.

HS 385. Leadership Development in Health Professions. 3 cr. Introduction of leadership and management theory, including self-discovery of leadership potential. Through case study and other projects, you will build theoretical understanding and skill development in problem-solving and teamwork in current health care systems. Prereq: Jr st. or cons instr.

HS 390. Human Pathophysiology. 4 cr. Examine fundamental concepts of diseases such as cellular adaptation and injury, inflammation, immunity, edema, and neoplasia and apply them to common diseases of select organ systems. Prereq: BIOL 385 and 387 or con reg.

HS 395. Fundamentals of Epidemiology. 3 cr. Introduction to basic principles and methods of epidemiology and application to health care delivery. Includes historical perspective of epidemiology, measures of disease occurrence and association, clinical epidemiology, disease screening, causal inference, study design. Prereq: One of the following: 301, MATH 355, PSYC 300.

HS 399. Special Work. 3 cr. Choose topic within your health care option and work on independent project under supervision of SHCP faculty.

HS 410. Issues in Aging. 3 cr. Interdisciplinary focus on gerontology, outlining associated health issues with impacts on families and caregivers. Includes demographics, roles and responsibilities, relationships within families, socioeconomic concerns, and barriers to health care. Prereq: 105; BIOL 101 or 160. GEP: IS

HS 490. Interdisciplinary Perspectives in Health Care. 3 cr. Explore the theory and dynamics of interprofessional and team practice in health professions within the context of service learning projects undertaken in community settings involved in population health issues. Work may involve all phases of project development. Prereq: 385, jr. st. or cons instr. GEP: XL

HS 498. Experiential Learning. 6-12 cr. Field learning experiences designed for student's area of emphasis within the Health Science major. Prereq: 385. GEP: XL

HS 499. Selected Topics in Health Sciences. 1 cr. Subtitle will designate topic.

HEALTH EDUCATION

See [Physical Education & Athletic Training](#).

HEALTH, EXERCISE SCIENCE, & ATHLETICS (HESA)

See [Physical Education & Athletic Training](#).

Health Information Management and Technology (HIMT)

(College of Professional Studies)

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UW-Stevens Point Faculty: J Bulgrin, J Davis, R Dollinger, D Gibbs, W He, D McCarty.
For a complete list of HIMT faculty, please visit www.himt.wisconsin.edu.

Accreditation: The Bachelor of Science in HIMT is a fully accredited degree program. This program is approved by the University of Wisconsin Board of Regents and accredited by the North Central Association of Colleges and Schools.

Definition: The online University of Wisconsin Bachelor of Science in Health Information Management and Technology (HIMT) is a degree completion program designed to equip you with the skills to work and lead in the health data management field. Health information professionals maintain, collect, and analyze the data that doctors, nurses, and other healthcare providers rely on to deliver quality healthcare. They are experts in managing patient health information, administering computer information systems, and coding diagnoses and procedures for healthcare services provided to patients.

HIMT is a collaborative, on-line degree. The curriculum for HIMT was developed by faculty at the four partner campuses, UW-Stevens Point, UW-Green Bay, UW-Parkside, and UW-La Crosse, to ensure curricular consistency and quality, and to utilize the academic strengths of the partner institutions.

Abbreviations:

HIMT = Health Information Management and Technology

HIM = Health Information Management (track)

HIT = Health Information Technology (track)

Program Description of Health Information Management and Technology

The curriculum consists of 20 classes (60 total credits). Courses cover such topics as health and medical terminology, medical ethics, information technology in healthcare, health benefit plans and providers, and leadership and change management in healthcare. The HIMT curriculum offers two tracks: Health Information Technology (HIT) and Health Information Management (HIM). The HIT track prepares students for information technology roles in the healthcare, health insurance, and governmental fields. It's the foundation for positions from health data analyst to insurance claims coordinator. The HIM track prepares students to be

leaders in providing better patient care, administering computer information systems and cost, and managing patient information relied upon by health professionals. You will take 16 core courses and then, depending on which track you choose, you will take four additional courses in a given track to complete the degree.

Health Information Management and Technology Major, Completion Program in (Bachelor of Science)

Take 16 core courses and then complete one of two tracks: Health Information Management (HIM) or Health Information Technology (HIT). There are no electives. Each track consists of four courses.

Graduates will earn a concentration in Health Information Management or Health Information Technology.

1. Core Requirements: HIMT courses (48 credits): HIMT 300, 310, 320, 330, 340, 350, 360, 370, 380, 400, 410, 420, 430, 440, 450 and 490.
2. a. Health Information Management track: HIMT 355, 365, 415, 445
OR
b. Health Information Technology track: HIMT 345, 375, 425, 435.

Note: Interested students may elect to complete both HIMT tracks and earn a certificate for the second track

The Communication in the Major requirements are satisfied by HIMT 310 (3 cr) and 420 (3 cr).

The Capstone Experience requirements are satisfied by 490 (3 cr).

Academic Standards for Health Information Management and Technology

To be admitted:

1. You must complete at least 60 undergraduate credits, be computer literate, and have a minimum 2.0 GPA.
2. If you wish to obtain a Bachelor of Science in HIMT, you must have completed all general education requirements.
3. Application: You must apply to the home campus of your choice who is offering the degree (i.e. UW-Stevens Point, UW-Parkside, and UW-Green Bay). For complete information on how to apply visit www.himt.wisconsin.edu.
4. The UW-Stevens Point School of Health Care Professions and the Department of Computing and New Media Technologies will work in conjunction with UW-Extension advising to help you complete your degree. Application materials, procedures, dates, etc. are available at www.himt.wisconsin.edu.
5. Transfer students: you must have a 2.0 GPA from your prior institution and have completed all required

general education requirements at the campus with whom you are choosing to affiliate.

6. If you are not officially accepted into the program, you will not be allowed to take upper level HIMT courses.

Courses in Health Information Management and Technology

HIMT 300. Survey of Contemporary Computing. 3 cr. This course provides a basic overview of contemporary information technology and computers. Topics include computer concepts (e.g., hardware, system architectures, operating systems, etc.), communication technologies, Internet technologies, and data organization/structures. Special emphasis placed on database management systems and data warehousing. Prereq: HIMT Major.

HIMT 310. Healthcare Systems and Organizations. 3 cr. This course provides an overview of how healthcare and public health are organized and how their services are delivered in the United States (US). Topics to be covered include: public policy (including US health reform initiatives); organization of healthcare systems; components and operation of healthcare organizations including e-health delivery; professional roles and accreditation; legal and regulatory issues including licensure requirements. Prereq: HIMT Major.

HIMT 320. Survey of Information Technology in Healthcare. 3 cr. This course surveys essential healthcare information technologies (HIT) that are used for healthcare information systems (HISs). Popular HISs include electronic medical record systems (EMRS) that keep record of patients' history; computerized provider order entry systems that record history of procurement of medicine and other medical necessities; telemedicine, which keeps information of medical doctors in computers; telehealth e-prescribing, which prescribes medicine electronically; medication administration, which keeps information of medical doctors and other hospital staff members; and nursing and ancillary service systems. Prereq: HIMT Major.

HIMT 330. Healthcare I: Terminology and Body Systems. 3 cr. This course will examine specific terminology and vocabulary used by workers in healthcare and public health. The focus of this course is on medical terminology that broadly relates to human anatomy and physiology, body systems and diagnosis. The base of medical terms will be examined – such as prefixes, suffixes, roots and combined forms. Topics will also include healthcare taxonomies and nomenclatures (e.g. ICD-9-CM, ICD-10, etc.). Prereq: BIOL 160 or equiv.

HIMT 340. Ethical issues, Security Management, and Compliance. 3 cr. This course introduces three broad subjects: 1) evidence-based medical ethics pertaining to healthcare information management; 2) framework of healthcare information security management including security principles, policies and procedures, security management models, risk assessment, and protection mechanisms; 3) healthcare regulations and compliance with focuses on legislative systems, policies, and legal environment of healthcare in the U.S. and existing health information laws, regulations and standards. Also addressed are the elements and development of compliance programs. Prereq: HIMT Major.

HIMT 345. Programming and Software Development. 3 cr. Introduction to: object-oriented (OO) programming paradigm, OO systems analysis and design, fundamental data structures, and n-tier software design. Examination of the role of each in the software development process. Prereq: HIMT 300.

HIMT 350. Statistics for Healthcare. 3 cr. This is an introductory course in statistical methods for the health sciences. The course will emphasize the principles of statistical reasoning, underlying assumptions, hypothesis testing, and careful interpretation of results. Some topics covered: major study designs, descriptive statistics, graphical displays of data, probability, confidence intervals and tests for means, differences of means, sample size and power, differences of proportions, chi-square tests for categorical variables, regression, multiple regression, and non-parametric statistics. Prereq: MATH 100 or equiv.

HIMT 355. Principles of Management for HIMT Professionals. 3 cr. This course provides an overview of basic principles involved in management and communication. Topics include basic management principles, communication skills, interpersonal communication competence, negotiation technique, team/consensus building, professional development, and problem solving/decision-making processes. Prereq: HIMT Major.

HIMT 360. Healthcare II: Survey of Disease and Treatments. 3 cr. This course further investigates the topics covered in HIMT 330 (Health Care I). Based on each body system the course will further expand into topics of human disease, human health issues and classification of disease/health issues, Diagnostics, Treatment and Clinical procedures that are currently in practice. In addition, the course will also incorporate Pharmacotherapeutic concepts (drugs and therapies to treat/prevent/control human disease/health issues), investigating the variety of drugs used for disease treatment for each body system, this will include current biologicals that are used for treatment. Topics will include how the drugs and biologicals work, their limitations, and the current diversity of available drugs and biologicals. Prereq: HIMT 330.

HIMT 365. Health Economics. 3 cr. Applications of microeconomic theory to analyze the behavior of health and health care markets. Topics will include: supply and demand of health care services, private health insurance markets, government provision of health care services and health insurance, and health care policy. Prereq: HIMT Major.

HIMT 370. Healthcare Systems: Analysis and Design. 3 cr. This is a first course in a two-course sequence that addresses methods and techniques of healthcare information system (IS) analysis and design as performed within the system development life cycle. Included will be techniques for problem definition, requirements gathering, analysis, logical design, selection and evaluation of alternative healthcare information systems solutions from the point of view of the health provider and user. An emphasis is placed on analysis, selection, and evaluation of information systems as they relate to healthcare. Prereq: HIMT 300.

HIMT 375. Database Structures and Management Systems. 3 cr. Analyze and design databases to support computer-based information systems. Develop and implement relational database management systems using SQL. Topics include: data modeling techniques such as entity-relationship modeling, extended entity-relationship modeling, database constraints, database normalization techniques, and basic and advanced features of database query languages SQL, etc. Prereq: HIMT 345.

HIMT 380. Healthcare Billing, Coding, and Reimbursement. 3 cr. This course examines the coding and reimbursement connection; topics include managed care plans, prospective payment systems, Medicare-Medicaid reimbursement, resource-based Relative Value Scale, case mix management, and revenue cycle management. Prereq: HIMT 330 and HIMT 360.

HIMT 400. Healthcare Information and Technology. 3 cr. This course explores the sources and data contents of health-care information as well as proper presentation of it for different usage levels. Topic addressed include: 1) data structure and use of health information (individual, comparative, and aggregate), 2) type and content of health record, 3) data quality assessment, 4) secondary data source, 5) healthcare data sets, 6) Health information archival systems, and National Healthcare Information Infrastructure (NHII). The course will also cover topics in bioinformatics. Prereq: HIMT 360.

HIMT 410. Healthcare Systems: Implementation and Integration. 3 cr. Covers the back-end stages of healthcare systems development lifecycle through the procurement route: development of technical design specifications, procurement procedures (RFP, RFQ, vendor evaluation and selection, and contracting), systems configuration and integration, installation, conversion, operation, and maintenance. Pre-installation testing and post-conversion auditing and monitoring will be emphasized to address the upcoming requirements of federal certification of EHR systems. Prereq: HIMT 300 and HIMT 370.

HIMT 415. Human Resource Management in Healthcare. 3 cr. This course examines the role of HIM staff in managing human resources to facilitate staff recruitment, retention and supervision. Prereq: HIMT Major.

HIMT 420. Healthcare Systems: Project Management. 3 cr. This course addresses the phenomenal impact information system (IS) projects have had on healthcare delivery. Students learn how healthcare IS projects affect organizations, doctors, patients, and chronic-illness treatments, as well as individuals interested in managing their own healthcare. Concepts and tools for effective healthcare IS project management, process re-engineering and work redesign are introduced. The purpose of this course is to expose students to IS project management activities in healthcare settings. Topics covered include recent healthcare IS project trends, budgeting, scheduling, resource management, scope, risk analysis, and deployment controls. The genesis of healthcare project management is covered using specific cases and examples. Prereq: HIMT Major.

HIMT 425. Data Warehousing and Mining – UW Stevens Point. 3 cr. Examine the concept of data warehouse and its effectiveness in supporting strategic decision-making. Address the process of creating data warehouse/data-mart solutions from the identification of the enterprise informational and analytical needs to producing business intelligence by extracting information from the data warehouse by using data mining methods and models. Prereq: HIMT 375.

HIMT 430. Quality Assessment and Improvement. 3 cr. This course examines the Quality Assessment and Quality Improvement cycle (Plan, Do, Act, Check) and the role of the HIT/HIM in the process. Tools used in quality and risk management processes will be examined. Prereq: HIMT 350.

HIMT 435. Data Communications and Computer Networks in Healthcare. 3 cr. This course provides fundamentals of data communications and networking techniques, and examines the linkage of information technology strategies and technological solutions enabling effective communication within and between health care organizations. Major topics include fundamental concepts of data communications and applications, network communication devices, basic technologies of the Local Area Network, Wireless Local Area Network, Wide Area Network, Internet and the Web, the OSI stack, health care information systems standards, and the HIE, RHIN, and the NHIN. Prereq: HIMT 300.

HIMT 440. Group Processes, Team Building, and Leadership. 3 cr. This course introduces students to the necessary group/team processes that are at the root of building, developing, and maintaining medical/healthcare work teams and the effective functioning of such teams. The course also provides an overview of leadership development techniques. Also included is a focus on the uses of various communication technologies in the team building and functioning processes. Prereq: HIMT 355.

HIMT 445. Application of Leadership and Management in Healthcare Technology. 3 cr. This course assimilates and integrates concepts and applications of management and leadership in the healthcare advancing on the topics covered in HIMT 355, 365 and 415. Topics will include strategic leadership concepts, exploring key factors that impact management and planning, change management, critical organizational behaviors for leadership and management focusing on best practices and organizational accountability and assessment models. Prereq: HIMT 355, HIMT 365 and HIMT 415.

HIMT 450. Healthcare Information and Technology

– **Standards.** 3 cr. This course will be an introduction to healthcare information technology standards including standards and regulations for documentation, and will cover health information standards. The course will also investigate software applications and enterprise architecture in health-care and public health organizations. Prereq: HIMT 400.

HIMT 490. Capstone Project. 3 cr. This course is capstone course for both tracks of the degree program. Students are required to find an internship site that is related to healthcare and set up a semester long project from which they can gain hands-on experience in the areas of their concentration. Project set-up will be jointly done by the student, site sponsor, and the faculty of this course, whereas internship supervision will be performed by the project supervisor and the course instructor. Prereq: Last semester of study.

HIMT 498. Select Topics in Health Information Management and Technology. 3 cr. Examines a specific topic within Health Information Management for seminar or independent study. Prereq: sr st and cons instr.

HIMT 499. Select Topics in Health Information Management and Technology. 3 cr. Examines a specific topic within Health Information Management for seminar or independent study. Prereq: sr st and cons instr.

Health Promotion and Human Development (College of Professional Studies)

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Adjunct Support: A Abbott, J Bailiff, B Barrett, J Betinis, B Boyd, R Cook, B DuChateau, S Duellman, B Hettler, A Hoffmann, M Houlihan, T Jensen, J Joque, J Karcher, C McCarty, D McCarty, J Munson, L Metcalfe, J Miller, S Oehlke, O Piper, B Samon-Swiatoniowski, A Strick, A Wiza, James Zach, John Zach.

Abbreviations

COL = Community & Organizational Leadership

ECED = Early Childhood Education

FCS = Family and Consumer Sciences

FLE – Family Life Education

FN = Food and Nutrition

HD = Human Development

HP = Health Promotion

HP/W = Health Promotion/Wellness

HWM – Health and Wellness Management

SHP = Safety and Health Protection

Child and Family Studies Minor

Consists of 22 interdisciplinary credits.

1. HD 166, 265, 367, 386.
2. Select 10 credits from the following courses with no more than 6 credits in any one group. (Be sure to meet prerequisites for these courses.)

- a. COMD 266.
- b. ECED 262, 460; FN 253, 490; HD 360, 490.
- c. COMM 280 or FCS 444.
- d. PSYC 240, 255, 301, 315, 320, 360, 465.
- e. SOC 224, 225, 343, 366, 367.

Dietetics Major (Bachelor of Science)

Definition: When you complete an approved program in dietetics, you gain the foundation knowledge in the field of food and nutrition. Students who meet the minimum academic requirements to obtain a verification statement qualify for application to a dietetic internship program. When you complete an accredited dietetic internship and graduate, you are eligible to write the registration examination to become a registered dietitian.

Accreditation: The dietetics program at UW-Stevens Point is granted accreditation by the Accreditation Council for Education in Nutrition and Dietetics (ACEND) of the Academy of Nutrition and Dietetics, 120 South Riverside Plaza, Suite 2000, Chicago IL 60606, 312-899-0040. This professional organization for dietetics practitioners is the advocate of the dietetics profession, serving the public through the promotion of optimal nutrition, health and well-being.

Dietetics major, academic requirements:

1. **Required courses**, 52 credits: HD 265 or PSYC 260; HP/W 312; FN 101, 151, 206, 253, 346, 347, 357, 373, 393, 400, 438, 449, 454, 455, 456, 457.
2. **Required collateral courses**, 48 credits: BIOL 101 or 160, 333, 385, 387; CHEM 105 and 106 (or 117), 220, 260; ECON 110; MATH 100 (unless exempt) and 355, PSYC 110; SOC 101 or ANTH 110.

Dietetics major, academic standards:

1. You must maintain a 2.75 cumulative GPA through graduation. Transfer students must have a 2.75 cumulative GPA to enter.
2. You must earn a B+ or better in FN 253 and a C- or better in CHEM 260 to continue in the dietetics major.
3. To be eligible for a verification statement, you must meet all ACEND competencies and earn a B- or better in all FN 400-level courses.
4. The following courses satisfy the Communication in the Major: FN 393, 454, 455, 456, and 457.
5. The following courses satisfy the Capstone Experience: FN 400 and 438.
6. The Dietetics Major satisfies the Interdisciplinary Studies GEP requirement. For more information, see the **GEP** section of the Catalog.

Nutrition Minor

www.uwsp.edu/hphd/Pages/nutrition.aspx.

Family and Consumer Sciences Major (Bachelor of Science)

Notes for Teacher Certification option:

1. See information about the Professional Education Program and Secondary Education curriculum for teacher certification in the **Education** section of this catalog.
2. To graduate with a major in family and consumer sciences (teacher certification option) you must meet the requirements for eligibility to student teach before you register for student teaching. You must achieve a 2.75 overall GPA and earn a grade of "pass" in all areas of student teaching in order to graduate.
3. **Enrollment caps are in effect.** Before you can apply for the teacher certification option you must complete FCS 290 and have a 2.75 grade point average in the major including transfer courses. If there are more applicants than openings, decisions to accept will be made on grade point ranking in the family and consumer sciences major. A personal interview may be conducted if necessary to make a final decision.

Teacher Education option, academic requirements:

1. Required courses, 57 credits: HD 166, 265, 367, 372, 386, 466; FN 151, 206, 253.
2. FCS 290, 340, 391, 392, 394, 396, 398, 400.
3. Required collateral courses, 6 credits: ECON 110; PSYC 110. Refer to the **Education** section earlier in this Catalog for information about admission to the Professional Education Program and teacher certification requirements for Secondary/K-12.
NOTE: To graduate with a comprehensive Family and Consumer Sciences Major-Teacher Certification option, all teacher certification requirements including student teaching in Family and Consumer Sciences education are required.
4. Capstone Experience: FCS 398.
NOTE: Students completing a Family and Consumer Sciences Major for teacher certification will complete the Communication in the Major requirement by taking FCS 290 and 391.
5. The Family and Consumer Sciences Major: Teacher Education option satisfies the Interdisciplinary Studies GEP requirement. For more information, see the **GEP** section of the Catalog.

Notes for Family Life Education option:

1. **Academic standards:** To graduate with a major in family and consumer sciences (family life education option) you must achieve a 2.75 overall GPA.
2. **Premajor:** When you declare the family life education option, you become a premajor. The HPHD advising center will be your adviser.

3. **Major:**
 - a. Before you can be accepted into the family life education option, you must complete 6 credits of required human development courses and have a 2.50 overall GPA.
 - b. If you are a transfer student, you must have a 2.50 GPA from your prior institution and have completed 6 credits of required human development courses.

Family Life Education option, academic requirements:

1. Required courses, 43-49 credits: HD 166, 265, 330 or HLED 140, 366, 367, 372, 386, 395, 397 (6-12 cr), 466; FCS 290, 390, 400(1 cr), 444 or COMM 280.
2. Required collateral courses, 9 cr: CNMT 420; PSYC 110; SOC 101.
3. Completion of a minor, or second major, is required.
4. Practicum (HD 397): You may complete your practicum requirements in one of two ways:
 - a. Complete a minimum of three practicum credits of Study Abroad, International Service Learning, or other fully immersed diversity service learning experience, plus at least three additional credits earned in local experience.
 - b. Complete a total of 12 practicum credits.
5. Communication in the Major requirement is completed with FCS 290 and 390.
6. Capstone Experience requirement is completed with HD 395.
7. Experiential Learning Activity requirement completed in consultation with FLE Academic Adviser.
8. The Family and Consumer Sciences Major: Family Life Education option satisfies the Interdisciplinary Studies GEP requirement. For more information, see the **GEP** section of the Catalog.

Health and Wellness Management (HWM) Major Bachelor of Science)

The Health and Wellness Management program is a collaborative online degree completion program that will focus on integrating various wellness services (e.g., preventative wellness programming; safety and environmental health risk management; human resources benefits management; return to work programs, etc.) and meet the increasing demand for professionals in this field.

Enrollment requirements:

1. This degree completion program is designed for students who already have some college credits or a liberal arts-based associate degree. All 21 courses of the curriculum are required. Because of the unique nature of the program, all other courses may not be substituted for courses in the HWM curriculum, and there are no electives.

2. **Admission Requirements:** You are eligible for admission to this degree if you have completed at least 60 semester credits of transferable coursework with a 2.0 or better grade point average (GPA).
3. **Application:** Because the HWM degree is an online program, you must apply by using the University of Wisconsin System Online Admission Application <https://apply.wisconsin.edu>. Indicate UW-Stevens Point as your home campus and send your transcripts to the UW-Stevens Point Admissions Office. For complete details about the program, including dates, applications procedures, etc., visit <http://hwm.wisconsin.edu>. Email questions to hwm@uwex.edu. If you are a current UW-Stevens Point student, you do not need to complete the University of Wisconsin System Online Admission Application, but you may change your major to HWM after consulting with the UW-Stevens Point HWM adviser and if program admission requirements are met. Email the Health Promotion and Human Development department office for contact information for the current HWM adviser. hphd@uwsp.edu.
4. All applicants must have a 2.0 GPA from prior college coursework. To graduate with the Bachelor of Science degree in Health and Wellness Management you must complete all 21 HWM courses, all UW-Stevens Point general education requirements, and achieve an overall GPA of 2.75.
5. Tuition for courses in the HWM program differs from the standard UW-Stevens Point tuition. For the current tuition rate visit <http://hwm.wisconsin.edu/program-information/tuition.aspx>.

Health and Wellness Management, academic requirements:

1. **Collateral Requirements:** UW-Stevens Point General Education Program.
2. **Health and Wellness Management Courses:** 300, 310, 320, 330, 340, 350, 360, 370, 380, 390, 400, 410, 420, 430, 440, 450, 460, 470, 480, 490, 495.
3. **GPA Requirement:** Minimum overall GPA of 2.75
4. The following course satisfies Capstone Experience: HWM 495.
5. The following courses satisfy Communication in the Major: HWM340, 390, 490.
6. The Health and Wellness Management Major satisfies the Interdisciplinary Studies GEP requirement. For more information, see the [GEP](#) section of the Catalog.

Health Promotion/Wellness Major (Bachelor of Science)

Definition: The health promotion/wellness (HP/W) will train you to facilitate behavior change, promote healthy lifestyles, and deliver quality programming.

Accreditation: The UW-Stevens Point Health Promotion/Wellness program is accredited by the National Wellness Institute (NWI).

Premajor: When you declare the HP/W major you become a premajor. The HPHD advising center will be your adviser.

1. **Complete the following academic requirements:**
 - a. PSYC 110; BIOL 101 or 160; CHEM 101 or 105 and 106; FN 151; HD 265; HP/W 102, 110, and 210.
 - b. BIOL 385; P ED 271 or BIOL 387; FN 253; HP/W 290. You must earn a "C-" or better in these courses.
2. **Major:** Acceptance to the HP/W major is a competitive process which involves an application and requires a 2.75 overall GPA (for transfer students, the cumulative GPA earned at your previous institution will be used). Application materials, procedures, and dates are available at HPHD advising center, Room 216 CPS.
 - a. **Full acceptance:** Completion of all Foundational Level GEP courses, courses listed in 1a and 1b above, and selection by the HP/W application review committee.
 - b. **Conditional acceptance:** You may be conditionally accepted without completion of the courses listed in 1b. Full acceptance will be granted upon successful completion ("C" or better) of those courses.
 - c. If you are not "fully" accepted into the major, you will not be allowed to take 300 and 400-level HP/W courses.

HP/W major, academic requirements:

3. **Collateral requirements:** MATH 355; HS 395.
4. **HP/W Courses:** 300, 304, 312, 320, 410, 420, 445, two different 430 (practicum) courses, 450 (internship).
5. **Admittance appeal:** If you are not admitted into the HP/W program, you may reapply in subsequent semesters. You may appeal a denial. Contact the HPHD advising center for appeal procedures. The HPHD appeals committee reviews and acts on your appeal letter.
6. **Practicum:** 430. Prereqs: You must have proof of current certification in First Aid and CPR.
7. **Internship:** 450. Prereqs: 445.
8. **NOTES:** 110 and 450 are offered as pass/fail only. You must maintain a 2.75 cumulative GPA through graduation. Communication in the Major: 300, 410, 420, 430. Capstone Experience: 445, 450.
9. The Health Promotion/Wellness Major satisfies the Interdisciplinary Studies GEP requirement. For more information, see the [GEP](#) section of the Catalog.

Emphasis in Health and Wellness Coaching in Health Promotion/Wellness Major

The Health and Wellness Coaching Emphasis is recognition of the special set of competencies needed to help clients make and maintain healthy changes. You will have acquired a body of knowledge in exercise and

nutrition, theory of change, and demonstrated specific skills in health and wellness behavior change coaching.

This emphasis is valued by employers in the fields of Health Promotion and in Medicine, in the specialty of health risk reduction. For more information on the specific requirements, make an appointment with the HPHD advising office.

Strength and Conditioning Minor

www.uwsp.edu/hphd/Pages/strengthConditioning.aspx

Academic Standards for Health Promotion and Human Development Majors

1. You may declare a major in dietetics, family and consumer sciences, or health promotion at any time.
2. You must maintain a 2.75 cumulative GPA through graduation for dietetics, family and consumer sciences-teacher education option, and health promotion majors. Transfer students must have a 2.75 cumulative GPA to enter. In the dietetics major you must have a C- or better in CHEM 260 to continue in the major.
3. See the [More Academic Information](#) section of this catalog for the policy on repeating courses.

Test-Out Policy for School of Health Promotion and Human Development

The School of Health Promotion and Human Development will offer test-out for all its General Education Program (GEP) courses. The comprehensive written examinations will be based on materials normally covered in the course. Grading will be pass/fail with the minimum passing grade equivalent to the most recent class average grade.

If you wish to take a test-out exam, first confer with the HPHD unit head. Then confer with the faculty member who most recently taught the course who will inform you in writing of the required minimum passing score prior to administering the exam and provide the results to you in writing within two weeks of taking the exam. You may take a test-out exam only once.

Master of Science Degrees

The two Master of Science degrees, Community & Organizational Leadership and Nutritional Sciences are described in the [Graduate](#) section of this catalog.

Courses in Family & Consumer Sciences

FCS 290. Exploration of Family and Consumer Sciences. 3 cr. Designed for Family and Consumer Science majors. Explore Family and Consumer Science professions in public schools and community agencies. Complete observations with FCS professionals working in the field as well as prepare and teach a

mini lesson. Also includes an introduction to professional development, research skills and ethics in FCS.

FCS 340. Textiles and Housing. 3 cr. Focus on understanding of key theoretical concepts and curriculum guidelines, focusing on the development and practice of skills associated with the areas of clothing, textiles, and housing. Balance of personal and work-based skills promoted throughout the course. Practical application of the knowledge and skills will be demonstrated in projects and reflections at both the personal and professional level. Prereq: 290.

FCS 381/581. Course Construction for Vocational Education. 2 cr. Develop curriculum for post-secondary school programs; develop a course of study, instructional package, and/or unit of instruction.

FCS 382/582. Techniques for Teaching Vocational Education. 2 cr. Techniques and materials for instructional planning and teaching post-secondary vocational education courses.

FCS 383/583. Evaluation in Vocational Education. 2 cr. Techniques for analyzing post-secondary education programs; interpret evaluation data. Prereq: Cons instr.

FCS 385/585. Introduction to Vocational Guidance. 2 cr. Occupational opportunities and statutory requirements in vocational and technical education programs.

FCS 390/590. Adult Education. 2 or 3 cr. Philosophy, history, techniques, and experiences in teaching adults.

FCS 391. Curriculum and Methods for Family and Consumer Science. 3 cr. Family and consumer science K-12 curriculum development including philosophy, teaching techniques, course materials. Prereq: 290

FCS 392. Program Planning and Assessment in Family and Consumer Science. 3 cr. Administration of family and consumer science K-12, including program planning and assessment. Prereq: 290, 391

FCS 394/594. Principles of Career and Technical Education. 2 cr. Philosophy, organization, and administration of career and technical education; emphasis on Wisconsin programs. Prereq: 290

FCS 396/596. Cooperative Occupational Education Programs. 1 cr. Philosophy, organization, and teaching techniques for cooperative vocational programs. Prereq: 290; Admission to Prof Ed Prog.

FCS 398. Student Teaching in K-12 Family and Consumer Science Programs. Variable cr; pass/fail. Observation and teaching in a K-12 family and consumer science environment under the guidance of cooperating teachers and university faculty.

FCS 400. Seminar on Teaching for Student and Intern Teachers. 1-2 cr. Pass/fail. Structured group discussion on aspects of teaching that emerge during full-time field experiences. Prereq: Con reg in 398 or 498.

FCS 444/644. Helping Relationships: Skills for the Helping Professions. 3 cr. Preparation for professions in human services. Develop understanding of and ability to effectively apply interpersonal relationship skills needed by human services professionals. Prereq: 6 cr in human development, family services, psychology, or cons instr.

FCS 498. Intern Teaching. Variable cr; pass/fail. Structured field experiences in approved school programs. Interns are certified by the DPI and are employed under contract with schools to design, deliver, and assess instructional programs in grades n-k-12. Prereq: Complete all methods courses and 75% of content courses in approp major. Con reg in approp section of EDUC 400 may be required.

FCS 789. Adult Learner. 3 cr. Analyze research and theory that applies to the formal and informal instruction of adults.

FCS 791. Curriculum in Family and Consumer Science. 3 cr. Trends, evaluation of programs, principles of curriculum structuring, development of teaching guides.

FCS 792. Nutrition and Food Preparation for Healthy Living. 4 cr. Fundamentals of the functions of essential nutrients and basic physical and chemical properties of foods; interaction and reaction of food in food preparation procedures and evaluation of prepared products, which will serve as a background for discussing major health and contemporary nutrition issues, such as the basis for current nutrient and dietary recommendations, the relationship between diet and health, the interaction between diet and physical activity in determining chronic disease risk, and some changes in dietary needs throughout the life cycle. **Fulfills content requirement for the graduate-level Family and Consumer Sciences Licensure Program and is offered only for those enrolled in that program.**

FCS 793. Development and Guidance of Children and Adolescents. 3 cr. Theory and current research findings applied to the study of growth, development, and guidance of normal children, from conception through adolescence within the context of the family.

FCS 798. Graduate Intern Teaching for Family and Consumer Sciences Certification. 3 cr. Certifiable field experience for licensed educators seeking additional license endorsements under Wisconsin Department of Public Instruction rules. Interns will spend six weeks in actual school settings planning, instructing, and evaluating educational programs with the cooperation of certified teachers and administrators. Prereq: Wisconsin educators license. Completion of course work for the grad level FCS program or consent of program supervisor.

Family and Consumer Sciences Latent Courses: Not offered recently. See full course description in indicated (xx-xx) catalog.
790 Workshop in Family and Consumer Science, 1-4 cr, (07-09)

Courses in Food and Nutrition

FN 101. Introduction to the Professions of Dietetics and Nutrition. 1 cr; pass/fail. Introduction to fields of nutrition, dietetics, and food service administration. Educational requirements and role of the dietitian in varied settings.

FN 103. Healthy Weight Management. 2 cr. Look at weight management from a nondiet, nongimmick, and lifestyle improvement approach, including Prochaska's stages of change, paradigm shifts, cultural bias, nutrition, fitness, and body image. May not earn credit in both FN 103 and HP/W 103.

FN 151. Contemporary Nutrition. 2 cr. Apply nutrition principles to contemporary problems in food choices and health. GDR: WL/HE; GEP: WLN

FN 206. Introductory Foods. 3 cr. Introduction to basic physical and chemical properties of foods; interaction and reaction of food in food preparation procedures; evaluate prepared products. 2 hrs lec, 3 hrs lab per wk.

FN 248. Health Management. 2 cr. Contemporary management theories, principles, and practices as applied in various health professions (hospitals, corporate wellness, community outreach agencies, etc.). 2 hrs lec per wk.

FN 253. Introduction to Nutrition and Nutrient Metabolism. 3 cr. Basics for and use of nutrient recommendations and dietary guidelines; digestion, metabolism, use and interrelationships of foods and nutrients. Prereq: So st.

FN 346. Advanced Foods. 3 cr. Investigate interplay between food composition, chemical and physical interactions in food preparation. Develop techniques for quantity food production with consideration of sustainable practices. Introduce menu planning variables and demonstrate menu planning for various populations. Prereq: 206 and CHEM 106.

FN 347. Introduction to Food Service. 4 cr. Basic principles of food service management as applied to commercial and noncommercial food service organizations. Impact of current social, economic, technological and political factors on food service operations. Foodservice facility design. Prereq: 346 or con reg.

FN 357. Ecology of Foods. 3 cr. Introduction to ecology of food and food systems. Sociocultural, political and economic influence on food choices and their environmental consequences. Overview of alterations in human diet caused by global environmental changes including climate, toxic pollution, degradation of terrestrial and marine environments, loss of species and biodiversity. Role of rapidly growing human populations, their food choices and patterns of resource use. Policies for regulation, strategies for prevention, control of problems. GDR: EL; GEP: ER

FN 373. Nutrition Throughout the Life Cycle. 3 cr. Nutritional requirements, challenges, community nutrition programs, and eating patterns throughout the life cycle. Prereq: 206, 253.

FN 393. Educational Techniques in Dietetics. 3 cr. Principles and theories of learning. Resources, methods and techniques for teaching dietetics. Group dynamics and facilitation. Program planning and evaluation. 1 hr lec, 2 hrs lab per wk. Prereq: 253, COMM 101 recommended.

FN 395. Field Experience. 3 or 4 cr. Supervised program at a cooperating business site. 1 hr seminar per wk for 1 cr, plus a minimum of 40 hrs arranged at the business site for each addl cr. May repeat for 9 cr max. Prereq: Cons instr.

FN 397. Field Work. 1-8 cr. Supervised training work program in a cooperating off-campus establishment; work experience and supervision followed by an evaluation of individual progress.

FN 399. Special Work. Upperclass dietetics majors may arrange for independent study with cons assoc dean. Credit based on scope of project.

FN 400. Professional Issues in Dietetics. 2 cr. Didactic Program in Dietetics (DPD) prepares you for dietetic internship to apply principles and theories to nutrition care of individuals and groups and develop skills for life-long professional learning. Prereq: Sr st.

FN 438. Food and Nutrition Capstone. 2 cr. Theoretical and applied aspects of research design, data analysis, and interpretation. Student teams conduct, analyze, and present an applied research project in food and nutrition. Poster presentation of research to public expected. 2 hrs lec. Prereq: 347, 393.

FN 448/648. Food Service Management. 2 cr. Application of basic management of systems required of food service directors or managers of commercial and onsite foodservices. Applied concepts in quantity food productions, human resource and material management, financial resource controls and sustainability considerations. 2 hrs lec. Prereq: 347.

FN 449. Practicum in Food Service Management. 2 cr. Demonstrate skills in quantity food production, food safety, sanitation (HACCP), recipe standardization, nutritional analysis, financial controls, inventory management, time and temperature relationships, food delivery, and promotions from a management perspective. 6 hrs per wk. Permission required. May be repeated. Prereq: 347.

FN 450/650. Sports Nutrition for Fitness and Athletic Performance. 3 cr. Apply fundamental nutrition and exercise physiology concepts to understand how diet and exercise intersect with health and performance. For the athlete to maximize performance and for the general consumer interested in overall fitness, health and wellbeing. Prereq: FN 253 and HP/W 312.

FN 452. Food Service Sanitation. 1 cr. Sanitation and safety in food preparation, service, storage, and handling. Prevention of microbial problems involving personnel, equipment, and total food service operation.

FN 454/654. Medical Nutrition Therapy I. 3 cr. Study the nutrition care process including nutrition assessment, diagnosis, intervention, monitoring and evaluation. Current counseling theories; interviewing and counseling techniques for use with various nutrition-related diagnoses. 2 hrs lec per wk. Prereq: 373, 457/657 or con reg.

FN 455/655. Medical Nutrition Therapy II. 4 cr. Alterations in nutritional requirements and metabolism that accompany disease states; application of nutrition care process to nutrition-related diseases. Prereq: 454/654, 457/657.

FN 456/656. Advanced Community Nutrition. 4 cr. Apply nutrition concepts in public health setting; disease prevention and health promotion; analyze related programs and legislation with nutrition components; program planning strategies. Prereq: 373, 357 recommended.

FN 457/657. Advanced Nutrition and Human Metabolism. 3 cr. Integrated study of human nutrient physiology and metabolism. Biochemical and physiologic basis for role of nutrition in health and disease; nutritional implications of metabolic disorders. Prereq: CHEM 260 (must pass with a C- or better), BIOL 385, or cons instr.

FN 462. Applied Scientific Research. 2 cr. Applied basic science and epidemiological research for health professionals. Prereq: MATH 355.

FN 490. Workshop. 1-4 cr. Subtitle will designate area.

FN 700. Collaborative Leadership in Community Development. 3 cr. Examine the meaning of community, importance of community organizations in making positive changes and explore collaborative leadership competencies. May not earn credit in both COL 700 and FN 700.

FN 720. Outcome Based Program Evaluation. 3 cr. Designed to enhance the community health practitioner's awareness of the importance of using outcome measures to guide the development and assess the effectiveness of interventions and programs. May not earn credit in both COL 720 and FN 720. Prereq: FN 700.

FN 730. Best Practices in Program Development. 3 cr. Overview of research and issues concerning the application and use of research-based information in the development of programming for children, youth, individuals, and families. May not earn credit in both COL 730 and FN 730. Prereq: FN 700, or cons. instr.

FN 751. Recent Advances in Community Nutrition. 3 cr. Developments in public health nutrition, current epidemiologic studies, assessment techniques in populations, and changes in health care treatment methods. Lectures, reports, and discussions.

FN 752. Recent Advances in Clinical Nutrition. 3 cr. Analyze and review recent advances in clinical application of nutrition in disease prevention, treatment and management. Current primary research literature, including interaction between diet and genetics and role of complementary and alternative medical therapies. Student literature research project and presentation. Prereq: 457/657 or cons instr.

FN 757. Contemporary Issues. 1-4 cr. Course topics vary. May include sports nutrition, eating disorders, community nutrition in developing countries, supplements, women's health issues, etc. Subtitle will designate topic.

FN 758. Older Adult Nutrition. 3 cr. Nutritional problems of older individuals including underlying age-related changes in physiology, nutrient absorption and use, socioeconomic and cultural changes. Apply knowledge to nutritional programs for the elderly in various community settings. Prereq: 457/657.

FN 770. Sustainable Food Systems. 3 cr. Examination of food systems from production through consumption with consideration of sustainability practices. Local to global food systems will be considered. Current issues of social, economic, agricultural and ecological natures within the food system will be discussed.

FN 794. Readings. 1-3 cr. Independent reading and review of current literature; written reports. Prereq: Cons instr.

FN 796. Independent Study. 1-3 cr. Planned study to supplement preparation in area of specialization.

FN 798. Project. 1-6 cr. Independent study and work to create, implement, and evaluate a graduate project in area of specialization, including developing objectives, literature review, target population needs assessment, capacity building among stakeholders, data collection and analysis. If you are completing a project option for your degree, enroll in at least one credit of 798 each semester you're working on your project. Credits vary. May repeat for 6 cr. max.

FN 799. Thesis. 1-6 cr. Independent study and work to develop and complete a graduate research thesis in area of specialization, including hypothesis development, literature review, data collection, analysis, and interpretation. If you are completing a research option for your degree, enroll in at least one credit of 799 each semester you're working on your thesis. Credits vary. May repeat for 6 cr. max.

Food and Nutrition Latent Courses: Not offered recently. See full course description in indicated (xx-xx) catalog.

353 Nutrition: Assessment and Program Coordination, 3 cr, (07-09)

445/645 Food Preservation, 1 cr, (91-93)

690 Workshop, 1-4 cr, (11-13)

748 Recent Advances in Food, 3 cr, (03-05)

749 Seminar in Food and Nutrition, 3 cr, (11-13)

753 Recent Advances in Nutrition, 3 cr, (11-13)

754 Vitamins and Minerals, 3 cr, (03-05)

755 Maternal and Child Nutrition, 3 cr, (01-03)

781 Grad Practicum, Clinical Nutrition, 4-6 cr, (03-05)

782 Grad Practicum, Community Nutrition, 4-6 cr, (03-05)

783 Grad Practicum, Food Serv Admin, 4-6 cr, (03-05)

Courses in Health and Wellness Management

HWM 300. Introduction to Human Health. 3 cr. General background knowledge on many issues impacting our health today. Topics include issues in mental, physical, and social health such as stress, nutrition and fitness, alcohol, tobacco and other drugs, relationships and sexuality, and diseases and disorders. Introduction to behavior change theories and factors contributing to overall wellness will also be included. Prereq: Bio 101 or 160.

HWM 310. Changes Across the Life Span. 3 cr. Explore research theory regarding the nature and processes of human development from early adulthood through aging and death. Key topics include biological theories of aging, the changing body, disorders of the brain, personality development, changing memory and thinking skills, relationship issues, careers and retirement, and death/dying. Prereq: 300.

HWM 320. Health and Medical Technology. 3 cr. Introduction to basic terminology used in health and medical settings including prefixes, suffixes, and terms related to both preventative and clinical care. Emphasis on systems a wellness professional will most likely be exposed to including: Cardiovascular, Respiratory, Musculoskeletal, Nervous systems. Prereq: ENG 102.

HWM 330. Survey of Information Technology in Wellness. 3 cr. Overview of various Information Technology products and mediums impacting the wellness industry, such as (but not limited to): web portals, online health risk assessments, interactive health tools, trackers, video/podcasts, telephone & digital health coaching, online challenges, gaming, social networking (e.g. Blogger, Word Press, Facebook, Twitter, LinkedIn, You Tube, etc.), electronic medical records, personal health records, electronic Health (eHealth), mobile Health (mHealth), mobile applications, and portable tracking devices (e.g. pedometers, glucose monitors, etc.). Provides information and resources to assess, create and/or select appropriate technologies and vendors.

HWM 340. The Wellness Professional. 3 cr. Explore the definition of health, health promotion and holistic wellness. Learn the professional role and personal commitment required to implement life-style wellness programs. Overview of the history and philosophy contributing to the success of the wellness and health promotion professionals is included. Introduction to experiential and self-learning of a personal wellness program that facilitates improved health in the seven dimensions including: Social, Physical, Emotional, Career, Intellectual, Environmental, and Spiritual. Prereq: PSYC 110.

HWM 350. Applied Research Methods. 3 cr. Introduction to research nomenclature, procedures for the design and evaluation of research and interpretation of statistical analysis in the health field, and tools for critically evaluating the validity of health research. Prereq: ENG 102.

HWM 360. Stress and Dependencies and Addictions. 3 cr. Examine common behavioral strategies with regard to stress and its management and the use of alternative remedies for physical and emotional dependencies and addictions. Prereq: BIO 101 or 160; PSYC 110.

HWM 370. Health Behavior/Understanding and Effecting Change. 3 cr. Understand how change happens. Basic knowledge and understanding of foundational change theories, based upon the Transtheoretical Stages of Change Model. Reflection on one's personal wellness and strategies for implementing health behavior change also included. Prereq: 300; PSYC 110.

HWM 380. Environmental Health. 3 cr. Examine the things we do as individuals and societies that result in environmental health issues. Explore environmental factors and ecosystems functions that affect human health along with the interactions among environmental systems and social, economic, and political processes.

HWM 390. Marketing and Communication for Health and Wellness. 3 cr. Develop basic marketing and promotional skills grounded in the disciplines of social marketing, health communication and business marketing that address consumer health "needs" and customer "wants." Assess market opportunities in wellness services and programs and facilities, and create marketing strategies and tactics. Emphases placed on best practices for behavior change, increased cost savings for employers, improved customer/employee participation and/or revenues for wellness programs, and services and facilities. Prereq: 300, 310; COMM 101; PSYC 110.

HWM 400. Resource Management. 3 cr. Examine the functions of human resource management. Focus on recruitment, selection, job analysis, compensation, labor relations, performance appraisals, and organizational change.

HWM 410. Applied Human Anatomy and Fitness Principles. 3 cr. Hybrid of disciplines which examine anatomical structures that facilitate movement, and a very basic review of energy systems and principles of exercise. An introduction to physical training approaches that reduce health risk will be presented. Prereq: 300.

HWM 420. Health Literacy. 3 cr. Explore current understandings and work in health literacy research, advocacy, and outreach efforts across various health education and related fields. Includes readings, discussions, and competencies in evaluation of health information for quality and credibility; locating health information and determining quality resources; identifying and assessing population health literacy; and understanding the networks of agencies working in health settings to address literacy in the health field.

HWM 430. Population Health. 3 cr. Introduction to the evolution of health problems and services and examination of methods designed to capture a community health profile. Apply concepts involved in measuring and understanding the health of individual and populations in order to enhance quality of life. Key social determinants of health and their interactions will be considered.

HWM 440. Health and Wellness Coaching. 3 cr. Definition of coaching and diverse methodologies will be taught, practiced, compared and contrasted. Develop a strong, useful theoretical viewpoint for health coaching as well as understand those of therapists and how differential treatment therapeutic goals are set. Gain an understanding of "What treatment, by whom, is most effective for individuals displaying specific problems and under what set of circumstances?" Learn a variety of treatment modalities and to respect vastly differing worldviews. Prereq: 300, 310; PSYC 110.

HWM 450. Medical Ethics and Policy. 3 cr. Explore the moral values and judgments as they apply to medicine. Discussion will involve ethical principles which govern the practice of medicine as well as the ethical theories which form the basis of ethical argument. Prereq: 310, 340.

HWM 460. Leadership and Change Management in Health. 3 cr. Examine various leadership and management styles including business models of leadership. Organizational behavior, decision-making, and budgets will also be covered. Academic service learning and community work components included.

HWM 470. Assessment and Evaluation. 3 cr. Survey of general approaches to assessment, programming, and evaluation in health and wellness settings. Explore individual, group, and organizational approaches to assessment, programming, and evaluating planned and organized efforts to promote both health and wellness.

HWM 480. Health Benefit Plans and Providers. 3 cr. Learn the importance of design and administration of a health care plan and how it plays a key role in attracting and retaining employees and employers cost savings. Solid introduction to the basic issues of health care benefits and how to integrate successful return on investment (ROI) strategies for adopting preventive health benefits that enhance employee's wellbeing. Prereq: 320, 350, 430.

HWM 490. Employee Health and Well Being. 3 cr. Review case studies to see what successful companies are doing to provide the groundwork for the importance of workplace involvement in health. Calculate the relationship of employee health to health care costs and productivity as return on investment (ROI) and investment in human capital. Develop strategic and product management planning in relationship to disease management vs. population wellness theory. Assessment of employer needs, organizational culture, environmental policy and procedures supportive to desired outcomes are practiced. Learn about aligning client needs and wants with best practice program design, implementation and evaluation for successful results. Age, gender, race, and issues that affect participation in wellness programs are also reviewed.

HWM 495. Capstone. 3 cr. Explore the theory and dynamics of interprofessional and team practice in health and wellness management and within the context of projects undertaken in corporate setting. Work may involve all phases of project development. Project set-up jointly done by student, site mentor/sponsor, and the course faculty. Prereq: Sr st; cons instr.

Courses in Health Promotion/Wellness

HP/W 102. The Healthy American. 2 cr. Learn how to explore and practice a balanced lifestyle. Become familiar with UW-Stevens Point's model of Wellness. Assess your personal lifestyle and current state of wellness in body, mind, and spirit. Design, implement, and sustain a personal plan to alter your behavior and enhance your wellness in a meaningful way. GDR: WL/HE; GEP: WLN

HP/W 107. Special Topics in Seven Dimensions of Wellness. 2 cr. Use the social, physical, emotional, career, intellectual, environmental, spiritual (SPECIES) model to provide overview of wellness dimensions and specific academic and experiential in-depth coverage of one or two dimensions. Subtitle will designate focus. May repeat for credit with different subtitles. GDR: WL/HE; GEP: WLN

HP/W 110. Careers in Health Promotion/Wellness. 1 cr; pass/fail. Introduction to seven dimensions of wellness, career opportunities in health promotion and wellness; skills and competencies required, content areas, areas of specialization, introduction to professional organizations and journals.

HP/W 202. Exercise Facilitation and Leadership. 3 cr. Introduction to exercise leadership skills and experiences. Prepares you for personal training and group fitness instruction. Prereq: Declared HP/W majors, 110 or cons instr.

HP/W 208. Health Risk Reduction. 3 cr. Identify health risks; develop and implement change plans. Includes record keeping and writing. Designed for students with health risks such as elevated body mass index, sedentary behavior, excess alcohol and/or tobacco use. Prereq: Cons instr. GDR: WL/HE; GEP: WLN

HP/W 210. Foundations of Health Promotion and Wellness: Principles and Philosophy. 3 cr. Introduction to fundamental Wellness philosophies and principles. Prereq: Declared HP/W majors, 110 or con reg, cons instr.

HP/W 248. Creating Healthy Relationships. 3 cr. Create and maintain loving, healthy, sexual relationships. Examine current values, attitudes, and behaviors. Learn to make deliberate choices, acquire conflict resolutions skills, enhance trust and intimacy, identify and avoid abusive behaviors. GDR: WL/HE; GEP: WLN

HP/W 290. Psychological Aspects of Health. 3 cr. Review the science that connects human behaviors and psychological variables to health status. The role of Psychology in disease, injury, premature death, substance abuse, exercise, diet, stress, social relationships, coping behaviors and high level wellness, both to individual and society. Includes interrelatedness of wellness dimensions, healthy and destructive behaviors, managing chronic diseases, psychosocial aspects of final illness and death, and delivery of health services. Prereq: Declared HP/W majors, 110 or con reg, cons instr.

HP/W 299. Independent Study/Special Health Behavior Change Topics. 1-2 cr. Independent, self-improvement study covering one or more major health and economic concerns of Wisconsin such as communicable disease, chronic disease prevention and control, injury prevention, environmental health, reproductive/perinatal health, infant and child care, adolescent health, adult obesity, alcohol and drug abuse. Prereq: Cons instr, completed contract form. GDR: WL/HE; GEP: WLN

HP/W 300. Health Promotion Programming: Design, Techniques, and Resources. 3 cr. Develop skills to create and facilitate complete health promotion programs including needs assessment, goals and objectives, appropriate use of incentives, program evaluation and selection of resources. Gain discipline specific oral and written communication skills through the design and delivery of original programs to selected audience. Prereq: Accepted HP/W major or cons instr.

HP/W 304. Theories and Techniques of Behavior. 3 cr. Social and behavioral science theories, research, and interventions aimed at promoting health of individuals, groups, communities, and populations. The philosophical and theoretical underpinnings of the helping process will be explored via various models of change. The assumptions, key concepts, techniques, and practical applications of each theory will be covered. Techniques and methods from each approach will be demonstrated and practiced. Prereq: Accepted HP/W major or cons instr.

HP/W 305. Epidemiological Factors in Health Promotion/Protection. 3 cr. Understanding strategy documents developed for prevention and control of national health objectives; pathophysiology, morbidity, and mortality of the 10 leading work-related health problems; use epidemiological principles to analyze risk and recommend appropriate prevention and control intervention strategies. Prereq: BIOL 385, accepted HP/W major, cons instr.

HP/W 312. Exercise Physiology. 3 cr. Effects of exercises on speed, strength, skill and endurance; nature of muscular behavior, fatigue; effects of exercise with respect to nutrition, age, sex, and occupation. Prereq: P ED 271 or BIOL 387, BIOL 385, cons instr.

HP/W 320. Developing Stress Management Programs. 3 cr. Scientific foundations of stress, stress management techniques including lifestyle, personality, coping skills, relaxation, and other holistic approaches, strategies for personal stress management. Design and delivery of experiential learning exercises in stress management. Prereq: Cons instr.

HP/W 360. Practicum in Health Promotion/Wellness. 1-6 cr; pass/ fail. Practical experience as a preprofessional in health promotion/ protection, with emphasis on behavior change facilitation and health promotion/protection. Topics change each semester. Prereq: Accepted HP/W major, 300, 304, cons instr.

HP/W 399. Special Work. 1-3 cr. Upperclass HP/W majors and graduate students may arrange for independent study after defining learning objectives of project with faculty sponsor approval. Credit based on scope of project. Prereq: Cons instr and HP director.

HP/W 406. Introduction to Motivational Interviewing/Health and Wellness Coaching. 3 cr. Develop theory, skills, and techniques related to guiding groups and individuals through meaningful lifestyle changes by emphasizing motivational strategies and behavioral and holistic practices. Motivational interviewing techniques and diverse coaching methodologies will be taught, practiced, and compared and contrasted. Prereq: 304 or 640 or cons instr.

HP/W 410. Promoting and Marketing Wellness. 3 cr. Assess market opportunities in wellness services, programs, and facilities. Develop marketing and promotional strategies to increase the customer base, provide incentives for behavioral change and enhance revenues for wellness programs, services and facilities. Prereq: Accepted HP/W major, 300, 304, 312, or cons instr.

HP/W 420. Health Promotion Management. 3 cr. Develop health promotion programs for community and worksite settings. Assessment, economic evaluation, management strategies, organizational culture, gender, race and issues that affect participation in health promotion programs. Prereq: Accepted HP/W major, 300, 304, 312, HS 395, or cons instr.

HP/W 430. Advanced Practicum in Health Promotion/Wellness. 3 cr. Practical experience as a preprofessional in health promotion/wellness to advance skill levels beyond basic requirements. Topics change each semester. Prereq: Accepted HP/W major, 300, 304, 312, or cons instr, certification in First Aid and CPR.

HP/W 440. Health Behavior Change. 2-3 cr. Explore the need for behavior change; correlation of behavior change with reduced illness risk and reduced health care costs. Trans-theoretical model of behavior change and associated research.

HP/W 441. Practicum in Health and Wellness Coaching. 3 cr. Prepare professionally to assist individuals with health behavior change. Build upon the knowledge and skills gained in previous courses. Provide a faculty recommendation and participate in a pre-acceptance interview with the instructor. Intensive preparation will be provided at the beginning of the course in professional standards, ethics, assessment of clinical issues, interviewing skills, and referral strategies. Receive both on-site supervision with a field supervisor and instructor supervisor during weekly class meetings in a practicum site with a range of venues. Prereq: 304 & 406 or 640 & 606, FN 151, HP/W 312 or test out.

HP/W 445. Preprofessional Transition. 3 cr. Preparation for internship and entering the job market. Incorporates a wellness retreat emphasizing emotional, social and career dimensions of wellness that includes group facilitation skills, and self assessments. Prereq: Must enroll semester before internship.

HP/W 450. Internship in Health Promotion/ Wellness. 12 cr; pass/fail. A full semester participation in a community, fitness, or worksite health promotion and wellness-related setting. Prereq: 445, completion of ALL coursework; 2.75 cum GPA; certification in First Aid and CPR.

HP/W 465/665. Grief and Loss. 3 cr. Explore issues and concerns about grief and loss. Review scientific knowledge about bereavement and guidance on how to help yourself and others through this process.

HP/W 470/670. Healthy Aging. 2-3 cr. Explore aging from a personal position in each of seven dimensions of wellness (social, physical, emotional, career, intellectual, environmental, spiritual). Planning for illness and death. Beliefs, myths, and attitudes about aging. Assess personal behaviors and choices and their impact on aging well. Plan and begin a healthy change.

HP/W 480/680. Exercise Programming for Special Populations. 3 cr. Issues related to the appropriation of health interventions (specific physical activity and/or exercise programs) for special populations, including, but not limited to: older adults, children, obesity, diabetes, CVD, cancer, anxiety, depression, osteoporosis, multiple sclerosis, COPD, PAD, arthritis and musculoskeletal injuries. Basic principles of exercise programming for optimal health of the general population will briefly be reviewed. Evidence-based, advanced programming methods and population-specific considerations will be discussed. Prereq: 312 or cons instr.

HP/W 490/690. Contemporary Issues in Health Promotion. 1-3 cr. Topics: change facilitation, health promotion for clients aged 50 and above, health promotion program design for the worksite, integrative medicine, cost benefit justification of health promotion, transforming conflict. May repeat under different subtitles for 6 cr max.

HP/W 705. Theories of Health Coaching and Behavior Change. 3 cr. Provides the foundational knowledge and skills needed for coaching professionals to assist individuals and groups with health behavior change.

HP/W 715. Advanced Physiology for Health Care Professionals. 3 cr. Examine exercise physiology parameters as they relate to health care for all ages.

HP/W 720. Economic Evaluation in Health Promotion. 3 cr. Literature review regarding assessment of client needs, program design and development, economic and programmatic evaluation. Theory and practice of total quality management and data analysis techniques of continuous quality improvement.

HP/W 725. Cross-Cultural Coaching of Groups/Systems. 3 cr. Develop culture specific communication skills that are sensitive and helpful to various cultural groups. Coaching requires a basic understanding not only of the worldviews of different groups but also one's own possible stereotypes, which may hinder effectiveness in the caring and empathetic process. Examine issues of racism, differences in cultural values and worldviews, verbal and non-verbal communication and other factors that affect the processes of coaching individuals and groups.

HP/W 735. Critical Evaluation of Health Recommendations. 3 cr. Explore and identify lifestyle factors that contribute to health and reduce morbidity risk. Collect, assess, and evaluate evidence-based information on chronic disease risks related to physical activity, diet, stress, alcohol and other drugs, smoking and weight management. Examine and explore techniques designed to guide and support client decision-making with regard to implementing specific lifestyle strategies.

HP/W 765. Advanced Coaching Techniques: Motivational Interviewing. Complements the theory, skills, and techniques in HP/W 705 related to guiding groups and individuals through meaningful lifestyle changes by emphasizing motivational strategies and behavioral and holistic practices. Diverse advanced coaching methodologies will be taught, practiced, and compared and contrasted; however, advanced motivational interviewing techniques will be emphasized.

HP/W 770. Grants and Funding for Organizations and Small Projects. 3 cr. Basic grant writing, understanding of agency and foundation granting, use of campus, agency and foundation grant funding sources and resources.

HP/W 775. Practicum/Internship/Ethics. 3 cr. Supervised, pre-professional practice experience in health and wellness coaching. You'll be placed in practicum sites in a range of venues and will receive on-site supervision by both a field supervisor and the course instructor. Provides intensive preparation early in the course on professional standards, ethics, assessment of clinical issues, interviewing skills, and referral strategies. Prereq: 705, 725, 735, 765.

Health Promotion/Wellness Latent Courses: Not offered recently. See full course description in indicated (xx-xx) catalog.

103	Healthy Weight Management, 2 cr, (11-13)
106	High Level Wellness, 2 cr, (07-09)
142	Mindful Meditation, 2 cr, (07-09)
143	Focusing Your Mind, 3 cr, (07-09)
148	Creating Great Relationships, 2 cr, (11-13)
149	Personal Wellness for Nontraditional Students, 2 cr, (07-09)
201	Personal wellness for Preprofessionals, 2 cr, (11-13)
206	High Level Wellness, 3 cr, (11-13)
207	Social and Emotional Wellbeing, 3 cr, (11-13)
226	Group Leadership/Teaching in Willness, 3 cr, (07-09)
340	Reading, Writing, Computing and Presenting in Health Promotion, 3 cr, (11-13)
460	People and Ecosystems, 4 cr, (07-09)

Courses in Community & Organizational Leadership

COL 700. Collaborative Leadership in Community Development. 3 cr. Examine the meaning of community,

importance of community organizations in making positive changes and explore collaborative leadership competencies.

COL 710. Organization and Program Management. 3 cr. Examine theoretical and practical aspects of leading and managing organizations and programs. Theories of leadership and organizational behavior, and organizational change on macro (organizational) and micro (program) levels will also be covered. Management topics include communication, marketing, supervision, accounting and finance, strategic planning and ethics. In-depth investigation of various human and community programs and resources. Prereq: 700 or Concurrent Enrollment.

COL 720. Outcome Based Program Evaluation. 3 cr. Designed to enhance the community health practitioner's awareness of the importance of using outcome measures to guide the development and assess the effectiveness of interventions and programs. Prereq: 700.

COL 730. Best Practices in Program Development. 3 cr. Overview of research and issues concerning the application and use of research-based information in the development of programming for children, youth, individuals, and families.

COL 740. Grants and Funding for Small Projects. 3 cr. Basic grant writing, understanding of agency and foundation granting, use of campus, agency and foundation grant funding sources and resources. Prereq: 700, 720, 730, or cons. instr. 720 and/or 730 may be taken concurrently with 740.

COL 750. Field Work. 1-8 cr. Professional experience in an organization, agency, and/or institution related to your career goals.

COL 751. Independent Study. 1-3 cr. Planned study to supplement preparation in area of specialization.

COL 752. Readings. 1-3 cr. Independent reading and review of current literature; written reports. Prereq: Cons instr.

COL 755. Special Topics. 1-3 cr. Subtitle will designate human development topic. May repeat for credit with different subtitles. Prereq: Cons instr.

COL 798. Graduate Project. 1-6 cr. Practical project dealing with a specific problem in an academic area, employment or community setting, culminating in a defense and paper. If you are completing a project option for your degree, enroll in at least one credit of 798 each semester you're working on your project. Credits vary. May repeat for 6 cr. max.

COL 799. Thesis. 1-6 cr. Research project dealing with a specific problem in an academic area and culminating in a thesis. If you are completing a research option for your degree, enroll in at least one credit of 799 each semester you're working on your thesis. Credits vary. May repeat for 6 cr. max.

Courses in Human Development

HD 166. The Family: Continuing Concerns. 3 cr. Examine research and theory that relate to complex concerns families face over time. GDR: SS2; GEP: SS, USD

HD 261. Child Growth and Development. 3 cr. Concepts and current research findings applied to the study of growth and development of normal children, from conception through adolescence within the context of the family. Prereq: PSYC 110. GDR: SS2; GEP: SS

HD 265. Human Growth and Development: A Life-Span Approach. 3 cr. Concepts, principles, and current research findings applied to the study of growth and development from conception through death in the context of family. Includes physical, cognitive, and emotional issues related to health. GDR: SS2; GEP: SS

HD 330/530. Human Sexuality 3 cr. Sexual development across the lifespan; an in-depth look at the diversity of human sexuality in contemporary America.

HD 360/560. Infant and Toddler Development. 3 cr. Human development through 2 1/2 years; implications for parents and early childhood education programs; observations.

HD 363/563. Development of the Preschool Child. 1-3 cr. Overview of current research and theory relating to development of children ages 3 to 6, and programming implications.

HD 364/564. Infant Development and Programming. 1-3 cr. Human development, birth to three years. Implications for parents, caregivers, and early childhood education programs.

HD 365/565. Guidance of Young Children. 1-3 cr. Current research and theory related to guidance of children, preschool through adolescence. Application to home and school environments.

HD 366/566. Families in Cross Cultural Contexts. 3 cr. Survey of family life across a variety of cultural contexts. In depth application to programming and outreach with families from unique populations.

HD 367/567. Family Structure and Interaction. 1-3 cr. Family functions; variations in family organization and relationships; apply principles to family decision making during different stages of the life cycle. Prereq: SOC 101 or PSYC 110, or cons instr. GDR: SS2; GEP: SS

HD 372/572. Consumer Economics. 3 cr. Consumer, business, and government interactions in the economic environment; consumer choice and decision making relevant to resource allocation and purchases in the market. May not earn credit in both HD 372 and ECON 272.

HD 381. Families and the Environment. 3 cr. Study the family and the environment considering the reciprocal relationships between the two systems. GDR: EL; GEP: ER

HD 386. Family Resource Management and the Environment. 3 cr. Examine various perspectives on how individuals and families manage human and nonhuman resources. Study family and environment and reciprocal relationships between the two systems. GDR: EL; GEP: ER

HD 395. Research in Family Sciences. 3 cr. General understanding of peer reviewed research in the Family Sciences including research design and data analysis with special attention on understanding, evaluating, interpreting, and performing discipline specific research. Prereq: 3 cr. math incorporating undergrad statistics, or cons instr.

HD 397. Field Work. 1-12 cr. A supervised training work program in a cooperating off-campus establishment; work experience and supervision followed by an evaluation of individual progress.

HD 399. Special Work. Upperclass early childhood education and family and consumer education majors may arrange for independent study with cons chair. Credit based on scope of project.

HD 466/666. Guidance of Children and Adolescents. 3 cr. Current research and theory related to the guidance of children from preschool age through adolescence. Apply to home and school environments.

HD 490/690. Workshop. 1-4 cr. Subtitle will designate area.

HD 760. Family and Community Wellness. 1-3 cr. Study factors that affect the well-being of individuals within the context of family and community. May be offered in 1 cr modules with subtitles.

HD 762. Family Issues in Society. 3 cr. Research and theory relating to complex concerns families face over time. Focus on family functions, variations in family organization and relationships; application of principles to family dynamics during different stages of the life span. *This course fulfills content requirement for the graduate level Family and Consumer Sciences Licensure Program and is offered only for those enrolled in that program.*

HD 764. Family and Parent Education. 3 cr. Examine various perspectives of family and parent education programs: course content, teaching strategies, assessment procedures, and resource materials.

HD 765. Issues in Family Living. 2 or 3 cr. Investigate current literature to determine issues affecting nature and variability of the family.

HD 782. Practicum. 1-8 cr. Professional experience in an organization, agency, and/or institution related to your career goals.

HD 789. Adult Learner. 3 cr. Analyze research and theory that applies to formal/informal instruction of adults.

HD 798. Research Methods. 3 cr. General understanding of peer reviewed research including research design and data analysis with attention to understanding, evaluating and interpreting discipline specific research. Prereq: 3 cr undergrad statistics, or cons instr.

Human Development Latent Courses: Not offered recently. See full course description in indicated (xx-xx) catalog.

700 Trends, 3 cr, (99-01)

701 Workshop, 3 cr, (99-01)

766 Children and Families in Contemporary Society, 3 cr, (11-13)

Courses in Safety and Health Protection

SHP 330. Environmental Wellness. 3 cr. Insights into individual, organizational and societal activities that affect the health of the natural environment. How society, organizations and individuals impact their natural environment. How to minimize identified threats to the health of that environment. Promote intellectual consumerism and citizen advocacy. GDR: EL

Safety and Health Protection Latent Courses: Not offered recently. See full course description in indicated (xx-xx) catalog. Safety and Health Protection minor (07-09)

History

(College of Letters and Science)

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History Major (Bachelor of Science)

NOTE for teacher certification: Enrollment caps are in effect for those seeking teacher certification in history.

Contact the History Department early for entrance requirements and application procedures. Also see information about the Professional Education Program and the secondary education curriculum for teacher certification in the [Education](#) section of this catalog.

Consists of a minimum of 42-43 credits:

1. Six credits from 100-level history courses (101, 102, 176, 177).
2. Nine credits from 200-level history courses distributed according to the following guidelines:
 - a. At least 3 credits from 200-level **Global or Comparative** history courses (201-215).
 - b. At least 3 credits from 200-level **Regional** history courses (216-275).
3. Three credits in HIST 300 to satisfy the Communication in the Major requirement.
4. Fifteen credits from 300-level history courses distributed according to the following guidelines:
 - a. At least 3 credits from 300-level **Global or Comparative** history courses (301-315).
 - b. At least 3 credits from 300-level **Regional** history courses (316-375).
 - c. At least 3 credits from 300-level **U.S.** history courses (376-395).

5. Choose 3 – 4 credits in one of the following courses on quantitative methods in the social sciences: MATH 109, 355, 367; PSYC 300; or SOC 351.
6. Choose 3 credits in a 300-level Social Science course in one of the following disciplines: Anthropology, Economics, Human Geography, Political Science, Psychology, or Sociology,
7. HIST 489 or 490 to satisfy the Communication in the Major and Capstone Experience requirements.

History Major (Bachelor of Arts)

NOTE for teacher certification: Enrollment caps are in effect for those seeking teacher certification in history. Contact the History Department early for entrance requirements and application procedures. Also see information about the Professional Education Program and the secondary education curriculum for teacher certification in the [Education](#) section of this catalog.

Consists of a minimum of 36 credits:

1. Six credits from 100-level history courses (101, 102, 176, 177).
2. Nine credits from 200-level history courses distributed according to the following guidelines:
 - a. At least 3 credits from 200-level **Global or Comparative** history courses (201-215).
 - b. At least 3 credits from 200-level **Regional** history courses (216-275).
3. Required: Complete a two-semester sequence of university entry-level world language courses (101, 102). The requirement may be fulfilled through equivalent coursework or other language acquisition as demonstrated through a test-out policy (including Native American languages and American Sign Language). If your native language is not English and you can document formal high school or university study of your native language, then you may use ENGL 101 and 202, or ENGL 150 as a means of fulfilling this foreign language requirement.
4. Three credits in HIST 300 to satisfy the Communication in the Major requirement.
5. Fifteen credits from 300-level history courses distributed according to the following guidelines:
 - a. At least 3 credits from 300-level **Global or Comparative** history courses (301-315).
 - b. At least 3 credits from 300-level **Regional** history courses (316-375).
 - c. At least 3 credits from 300-level **U.S.** history courses (376-395).
6. HIST 489 or 490 to satisfy the Communication in the Major and Capstone Experience requirements.

Race and Ethnicity Concentration in History Major (Bachelor of Science)

This concentration allows you to focus on the historical influence of socially and ideologically constructed racial and ethnic groups through interdisciplinary study. Requirements follow the same general pattern as the

regular history major, but you are permitted to apply 300-level courses outside of history toward the major.

NOTE for teacher certification: Enrollment caps are in effect for those seeking teacher certification in history. For certification in this concentration you must take HIST 177.

Consists of a minimum of 42-43 credits:

1. Six credits from 100-level history courses (101, 102, 176 or 177).
2. Nine credits from 200-level history courses according to the following guidelines:
 - a. At least 3 credits from appropriate **U.S.** history courses (284, 285, 288, 289, 290, 291, 292, 293).
 - b. At least 3 credits from appropriate **Regional** history (216, 217, 223, 232, 233, 239, 240, 241, 247, 248, 249, 255, 275).
3. Choose 3-4 credits in one of the following courses on quantitative methods in the social sciences: MATH 109, 355, 367; PSYC 300; or SOC 351.
4. Choose 3 credits in a 300-level Social Science course in one of the following disciplines: Anthropology, Economics, Human Geography, Political Science, Psychology, or Sociology,
5. Three credits in HIST 300 to satisfy the Communication in the Major requirement.
6. Fifteen credits from 300- and 400-level courses (at least 3 credits must be from 300-level history courses listed below) distributed according to the following guidelines (* after a course number indicates that it may be applied to the major when taught with an appropriate subtitle):
 - a. At least 3 credits from **Global or Comparative** courses (302, 310, 315*; ANTH 320, 325; ENGL 361, 374; FREN 481*; GERM 481*; GEOG 373; POLI 386; REL 302, 340, 342; SOC 343; SPAN 483*).
 - b. At least 3 credits from **Regional** courses (316, 317, 318, 322, 323, 332, 338, 339, 347, 348, 351, 355, 364, 367, 369*, 371, 373, 375; ANTH 335, 338, 345; FREN 481*; GEOG 300, 301, 302, 325, 327, 328; GERM 481*; POLI 361, 371; REL 333, 341).
 - c. At least 3 credits from **U.S.** courses (HIST 382, 383, 392, 393; ANTH 339, 371; ENGL 382, 386; MUS 305; POLI 315, 408, 414; REL 311, 316; SOC 316; SPAN 382; WGS 320).
7. HIST 489 or 490 to satisfy the Communication in the Major and Capstone Experience requirements.

Race and Ethnicity Concentration in History Major (Bachelor of Arts)

This concentration allows you to focus on the historical influence of socially and ideologically constructed racial and ethnic groups through interdisciplinary study.

Requirements follow the same general pattern as the regular history major, but you are permitted to apply 300-level courses outside of history toward the major.

NOTE for teacher certification: Enrollment caps are in effect for those seeking teacher certification in history. For certification in this concentration you must take HIST 177.

Consists of a minimum of 44 credits:

1. Six credits from 100-level history courses (101, 102, 176 or 177).
2. Nine credits from 200-level history courses according to the following guidelines:
 - a. At least 3 credits from appropriate **U.S.** history courses (284, 285, 288, 289, 290, 291, 292, 293).
 - b. At least 3 credits from appropriate **Regional** history (216, 217, 223, 232, 233, 239, 240, 241, 247, 248, 249, 255, 275).
3. Required: Complete a two-semester sequence of university entry-level world language courses (101, 102). The requirement may be fulfilled through equivalent coursework or other language acquisition as demonstrated through a test-out policy (including Native American languages and American Sign Language). If your native language is not English and you can document formal high school or university study of your native language, you may use ENGL 101 and 202, or ENGL 150 as a means of fulfilling this foreign language requirement.
4. Three credits in HIST 300 to satisfy the Communication in the Major requirement.
5. Fifteen credits from 300- and 400-level courses (at least 3 credits must be from 300-level history courses listed below) distributed according to the following guidelines (* after a course number indicates that it may be applied to the major when taught with an appropriate subtitle):
 - a. At least 3 credits from **Global or Comparative** courses (302, 310, 313, 315*; ANTH 320, 325; ENGL 361, 362, 374; FREN 481*; GERM 481*; GEOG 373; POLI 386; REL 302, 340, 342; SOC 343; SPAN 483*).
 - b. At least 3 credits from **Regional** courses (316, 317, 318, 322, 323, 332, 338, 339, 347, 348, 351, 355, 364, 367, 369*, 371, 373, 375; ANTH 335, 338, 345; FREN 481*; GEOG 300, 301, 302, 325, 327, 328; GERM 481*; POLI 361, 371; REL 333, 341).
 - c. At least 3 credits from **U.S.** courses (HIST 382, 383, 392, 393; ANTH 339, 371; ENGL 382, 386; MUS 305; POLI 315, 408, 414; REL 311, 316; SOC 316; SPAN 382; WGS 320).

6. HIST 489 or 490 to satisfy the Communication in the Major and Capstone Experience requirements.

History Minor

Consists of a minimum of 21 credits:

1. Twelve credits from 100- and 200-level history courses distributed according to the following guidelines:
 - a. At least 3 credits from **Global or Comparative** history courses (101, 102, 201-215).
 - b. At least 3 credits from **Regional** history courses (216-275).
2. Nine credits from 300-level history courses.

History Minor for Teacher Certification

Consists of a minimum of 24 credits:

1. Twelve credits from 100- and 200-level history courses distributed according to the following guidelines:
 - a. At least 3 credits from **Global or Comparative** history courses (101, 102, 201-215).
 - b. At least 3 credits from **Regional** history courses (216-275).
2. HIST 300.
3. Nine credits of 300-level history courses distributed according to the following guidelines:
 - a. At least 3 credits from 300-level **Global or Comparative** history courses (301-315).
 - b. At least 3 credits from 300-level **Regional** history courses (316-375).
 - c. At least 3 credits from 300-level **U.S.** history courses (376-395).

History Honors Program

The History Honors Program provides history majors with the opportunity to undertake a significant research project as a capstone experience. To graduate in the History Honors Program:

1. Have a 3.5 GPA.
2. Complete the requirements for history major including 6 credits of HIST 495 normally taken in two consecutive semesters. History minors may complete the honors program with permission of department chair.
3. In consultation with your thesis adviser and the department chair, select at least one other reader from the History Department faculty.
4. Defend a prospectus of your thesis topic before your adviser and reader(s) during the first 3 credits of HIST 495.
5. Defend a 40-60 page thesis before your adviser and reader(s) in the second 3 credits of HIST 495.

Academic Standards for History

1. To graduate with a major or minor in history you must have a cumulative GPA of 2.00 (2.75 to student teach) in all courses required for the major or minor, including transfer courses, regardless of any declaration of academic bankruptcy.

See the [More Academic Information](#) section of this catalog for the policy on repeating courses.

- All courses in history, except HIST 489 and 490, are open to all students who meet the prerequisites.
- No more than 6 credits of HIST 399 may be accepted toward the major or minor in history.

Test-Out and Credit-by-Exam Policy for History

You may test-out and/or receive credit-by-exam for all General Education Program (GEP) history courses. You may receive credit-by-exam for HIST 176, 177, 256 and 257 by passing the appropriate Advanced Placement Program Examination (AP) or College Level Examination Program (CLEP) Subject Examination through the UW-Stevens Point Testing Service. The minimum score for an AP exam is 3 and for CLEP it is the 50th percentile.

To test-out but not receive credit for all other GEP history courses, first consult with the department chair. A comprehensive written exam based on materials normally covered in the course will be administered by the faculty member who teaches the course. The minimum required score for all such exams is a B- or its numerical equivalent. You may take an exam for credit or test-out only once.

Courses in History

The * indicates topical courses that may be repeated for credit with different subtitles.

HIST 101. World History to 1500. 3 cr. Major patterns of human society and civilization prior to the modern era, comparing social and political institutions as well as cultural and religious traditions from Africa, Asia, Europe, Mesoamerica and the Middle East. GDR: HI, NW; GEP: GA, HP

HIST 102. World History Since 1500. 3 cr. Major patterns of human society and civilization in the modern and contemporary eras, analyzing social and political institutions as well as cultural and religious traditions in Africa, Asia, Europe, Latin America, and the Middle East. GDR: HI, NW; GEP: GA, HP

HIST 176. United States to 1877. 3 cr. GDR: HI; GEP: HP

HIST 177. United States Since 1877. 3 cr. GDR: HI; GEP: HP

HIST 198. Reading in the Discipline. 1 cr; pass/fail. Does not apply to history major or minor. Prereq: Con reg in another designated 3 credit history course.

HIST 203. Peace and Nonviolence in the Twentieth Century. 3 cr. Survey of key individuals, ideas, and events in world history that have shaped our understanding and debates about the nature of-and prospects for-peace in the global community. GDR: HI (BS, BM, BFA, Assoc.); GEP: HP

HIST 204. Modern Global Environmental History. 3 cr. Cultural, social, economic and political influences on the environment worldwide. Includes imperialism, industrialism and modern environmentalism. GDR: HI (BS, BM, BFA, Assoc), EL, NW; GEP: ER; GEP: ER, HP

HIST 206. Medicine in World History. 3 cr. Ancient times to present. GDR: HI, NW; GEP: GA, HP

HIST 214. United States and the World. 3 cr. Subtitle will designate topic. GDR: HI; GEP: HP

HIST *215. Topics in Global and Comparative History. 3 cr. Subtitle will designate topic.

HIST 216. East Asia to 1600. 3 cr. Traditional cultures, religions, thought, and institutions of China, Korea, Japan, and Vietnam. GDR: HI, NW; GEP: GA, HP

HIST 217. East Asia Since 1600. 3 cr. China, Korea, Japan, and Vietnam; imperialism, modernization, nationalism, revolutions, and independence struggles. GDR: HI, NW; GEP: GA, HP

HIST *223. Topics in East Asian History. 3 cr. Subtitle will designate topic.

HIST 232. Middle East to 1798. 3 cr. From the emergence of Islam to 1798. GDR: HI, NW; GEP: GA, HP

HIST *233. Middle East Since 1798. 3 cr. From Napoleon's conquest of Egypt to the resurgence of Islam. GDR: HI, NW; GEP: GA, HP

HIST *239. Topics in Middle Eastern History. 3 cr. Subtitle will designate topic.

HIST 240. Africa to 1800. 3 cr. GDR: HI, NW; GEP: GA, HP

HIST 241. Africa since 1800. 3 cr. GDR: HI, NW; GEP: GA, HP

HIST 247. Topics in African History. 3 cr. Subtitle will designate topic.

HIST 248. Colonial Latin America. 2 or 3 cr. European discoveries to independence. Prereq: So st. GDR: HI, NW; GEP: GA, HP

HIST *249. Modern Latin America. 3 cr. Latin America from independence to the present. Subtitle will designate topic(s). GDR: HI, NW; GEP: GA, HP

HIST *255. Topics in Latin American History. 3 cr. Subtitle will designate topic.

HIST 256. Europe to 1500. 3 cr. Ancient and medieval European history. GDR: HI; GEP: HP

HIST 257. Europe since 1500. 3 cr. Early modern and modern European history. GDR: HI; GEP: HP

HIST *274. Topics in European History. 3 cr. Subtitle will designate topic.

HIST 280. American Environmental History. 3 cr. The changing role of nature in American life. GDR: HI, EL; GEP: ER, HP

HIST 284. Women in American History I: Colonial to Antebellum. 3 cr. GDR: HI, MNS; GEP: HP, USD

HIST 285. Women in American History II: 19th and 20th Centuries. 3 cr. GDR: HI, MNS; GEP: HP, USD

HIST 288. Racial and Ethnic Groups in the United States. 3 cr. GDR: HI, MNS; GEP: HP, USD

HIST 289. African American History to 1877. 3 cr. The African American experience from the origins of African slavery in North America to the end of Reconstruction. GDR: HI, MNS; GEP: HP, USD

HIST 290. African American History since 1877. 3 cr. The African American experience since Reconstruction with a special emphasis on the evolution of the Civil Rights Movement. GDR: HI, MNS; GEP: HP, USD

HIST 291. Latin Americans in U.S. History. 3 cr. The Latin American experience from Spanish exploration to the present. GDR: HI, MNS; GEP: HP, USD

HIST 292. Native American History. 3 cr. Earliest times to the present. GDR: HI, MNS; GEP: HP, USD

HIST 293. Asian American History. 3 cr. The Chinese, Japanese, Filipino, Korean, Indian, Vietnamese, and Hmong experience in the United States. GDR: HI, MNS; GEP: HP, USD

HIST *295. Topics in United States History. 3 cr. Subtitle will designate topic.

HIST 300. Methods and Skills of History. 3 cr. Prereq: So st and history major/minor or broad-field social science; or so st and cons instr.

HIST 301/501. Human Rights. 3 cr. Development of Human Rights since the 18th century examining problems of definition, implementation and international justice.

HIST 302/502. War and Propaganda in the 20th Century. 3 cr. How the United States and other countries at war use propaganda to explain war aims, instruct citizens, and rally support.

HIST 303/503. United States and the World. 3 cr. Subtitle will designate topic.

HIST 304/504. History of Climate Change. 3 cr. The changing role of weather in human society. GDR: EL

- HIST 310/510. Slavery in the Americas.** 3 cr. Slavery and slaveholding societies in British North America, United States, the Caribbean, and Latin America (including Brazil) from 16th through 19th centuries. GDR: MNS or NW
- HIST 311/511. Africa and the Indian Ocean World.** 3 cr. This course traces the historical relations of coastal Africa and other regions of the Indian Ocean World, particularly the Arabian Peninsula and South Asia. It considers trade relations, cultural fusion, formation of new identities, and languages, the slave trade, and the emergence of diasporic communities in the Indian Ocean World. GDR: NW; GEP: GA, HP
- HIST 313/513. History of Islam.** 3 cr. Study of the historical and religious development of Islam from 600 CE to present. Particular emphasis on the diversity of Islamic belief and experience in a variety of historical and cultural contexts. Topics include: the role of Islamic belief in political conflict (and vice versa), the Sunni/Shiite split, forms of Islamic mysticism, and interpretations of Islamic law (Sharia). GEP: GA, IS
- HIST 314/514. Islam in the Modern World.** 3 cr. The role of Islam in Muslim responses to modernity and the West since 1800. Issues include the role of women, struggles against imperialism, drives to create new Islamic states, reform movements, and jihad. GDR: NW; GEP: GA
- HIST *315/515. Topics in Global and Comparative History.** 3 cr. Subtitle will designate topic.
- HIST 316/516. History of China.** 3 cr. From earliest times to present. GDR: NW; GEP: GA
- HIST 317/517. History of Japan.** 3 cr. From earliest times to present. GDR: NW; GEP: GA
- HIST 318/518. Images of the Samurai.** 3 cr. The role of Samurai in Japanese history as portrayed in writing and images. GDR: NW
- HIST *323/523. Topics in East Asian History.** 3 cr. Subtitle will designate topic.
- HIST 332/532. Women's Issues in the Muslim World.** 3 cr. The impact of Islam on women's issues in Muslim societies from the 7th century to present. GDR: NW; GEP: GA
- HIST 335/535. Origins of Islam.** 3 cr. Development of Islamic belief and practice including Islamic law (shariah), the Sunni/Shiite split, mysticism, and philosophy. GDR: NW; GEP: GA
- HIST 338/538. The Arab-Israeli Conflict.** 3 cr. Origins, development, and consequences. GDR: NW; GEP: GA
- HIST *339/539. Topics in Middle Eastern History.** 3 cr. Subtitle will designate topic. GDR: NW; GEP: GA
- HIST 342/542. Environmental History of Africa.** 3 cr. Explore the interaction between nature and humanity in Africa from the pre-colonial period to the present. Special attention given to: the influence of disease and other environmental factors on the formation of African cultures; the development of African farming and its success in adapting to a variety of micro-environmental conditions; famine as a cause of the overseas slave trade, and the introduction of American crops as a consequence of it; the environmental impact of European colonialism; the impact of wildlife and soil conservation on 20th-century African and environmental change in postcolonial Africa, particularly in the recent period of economic globalization. GDR: NW; GEP: ER
- HIST 343/543. History of South Africa.** 3 cr. History of South Africa from the pre-colonial to the post-colonial period. Sheds light on many aspects of African history, including the origins of agriculture and domestication of animals, iron working, slavery and the slave trade, colonialism, institutionalized racism, and the excitement and frustration that came with independence. Focus on changes and continuities, economic development, labor migration, health and disease, apartheid, and resistance to colonial domination. GDR: NW; GEP: GA, HP
- HIST *347/547. Topics in African History.** 3 cr. Subtitle will designate topic.
- HIST 348/548. History of the Modern Caribbean.** 3 cr. History of the island societies of the Caribbean region from pre-Columbian times to the present. GDR: NW; GEP: GA
- HIST 351/551. History of Mexico.** Mexico from pre-Conquest times to the present. GDR: NW; GEP: GA
- HIST *355/555. Topics in Latin American History.** 3 cr. Subtitle will designate topic.
- HIST 356/556. The Renaissance.** 3 cr. 14th and 15th century Europe.
- HIST *357/557. The Reformation.** 3 cr. Subtitle will designate topic(s) in 16th and 17th century European history.
- HIST 358/558. England to the 18th Century.** 3 cr. Medieval and early modern eras.
- HIST 359/559. Modern Britain.** 3 cr. 18th century to the present.
- HIST 360/560. Modern Ireland.** 18th century to the present.
- HIST 361/561. France: Enlightenment, Revolution, and Napoleon.** 3 cr.
- HIST 363/563. Modern Germany.** 3 cr. 18th century to the present.
- HIST 364/564. The Holocaust.** 3 cr. Causes and consequences.
- HIST 367/567. Habsburg History, 1526-1918.** 3 cr. From creation of the imperial idea to the collapse of empire. GDR: HU4
- HIST *369/569. Topics in European History.** 3 cr. Subtitle will designate topic.
- HIST 370/570. Eastern Europe in the 20th Century.** 3 cr. Democracy, nationalism, fascism, and communism in Eastern Europe after 1918. GDR: HU4, NW
- HIST 371/571. History of Yugoslavia.** 3 cr. 1918 to the present. GDR: NW; GEP: GA
- HIST 372/572. Russian History and Civilization.** 3 cr. 10th century to 1917. GDR: HI, NW; GEP: GA, HP
- HIST 373/573. Soviet Union.** 3 cr. 1917 to the present. GDR: HI, NW
- HIST 374/574. Stalinism.** 3 cr. GDR: NW
- HIST *375/575. Topics in Russian and Balkan History.** 3 cr. Subtitle will designate topic.
- HIST 377/577. U.S. Foreign Relations 1750-1914.** 3 cr.
- HIST 378/578. U.S. Foreign Relations 1914 to Present.** 3 cr.
- HIST 379.** 3 cr. History's Place in Sustainability. Examine how to use history as a decision-making tool in sustainability.
- HIST 380/580. U.S. Environmental Politics, 1900 to Present.** 3 cr. The politics of natural resource management, from the conservation movement through environmentalism to the present day.
- HIST 381/581. Technology in U.S. History.** 3 cr. Cultural, political, economic, and environmental influence of technology in United States history from colonial times to the present.
- HIST 382/582. U.S. Immigration and Migration History.** 3 cr. History of U.S. immigration and migration since the nineteenth century. Includes discussion of migration experiences, cultural encounters, an evolving law and policy.
- HIST 383/583. Sexuality in American History.** 3 cr. A historical examination of the ways in which politics, society, and culture have constructed sexuality in the United States and how gender, race, and class affected meanings and definitions of sexuality.
- HIST 384/584. Women's Rights and Feminism in the United States.** 3 cr. From the American Revolution through contemporary feminist issues.
- HIST 385/585. Women, War, and Peace.** 3 cr. From colonial times through the Gulf War.
- HIST 386/586. Colonial America.** 3 cr.
- HIST 387/587. Revolutionary America.** 3 cr.
- HIST 388/588. The Civil War Era.** 3 cr.
- HIST 389. Food and Environment.** 3 cr. Study food production and consumption from political, historical, and environmental angles. May not earn credit in both POLI 389 and HIST 389. GEP: IS
- HIST 392/592. Native American Forestry.** 3 cr. Introduction to Native American forest management from cultural, ecological, historic and socioeconomic perspectives. May not earn credit in both FOR 392 and HIST 392. GDR: EL, NW; GEP: USD
- HIST *393/593. Wisconsin Indians.** 3 cr. Subtitle will designate topic in history and culture of Indians of Wisconsin and neighboring areas.
- HIST *395/595. Topics in United States History.** 3 cr. Subtitle will designate topic.

HIST *396/596. Regional History through Study Abroad. 3 cr. History informed by visits to historic locations and cultural centers with approp. study and writing. Subtitle will designate topic. Offered only in UW-Stevens Point overseas programs. GDR: HU4; GEP: HU

HIST 398/598. Topics in History. 1-3 crs. Subtitle will designate topic.

HIST 399. Special Work. Upperclass history majors and minors may arrange for independent study with cons chair. Credit based on scope of project. May count 6 cr max for major/minor.

HIST 480. Museum Internship. 1-12 cr. Supervised work at a regional, national, or international historical museum. One credit for 60 hrs work. Credits and/or additional requirements set by instructor before registration. May apply 3 cr max to history major/minor. Prereq: Jr or sr st and 2.75 GPA in major/minor and cons chair.

HIST 489. Selected Historical Problems: Colloquium. 3 cr. Subtitle will designate topic(s) for a reading-intensive, discussion-based class on historiography and methodology. Prereq: 290, sr st and history maj/min, or sr st and cons chair.

HIST 490. Selected Historical Problems: Seminar. 3 cr. Subtitle will designate topic(s). Attention given to historiography and methodology. Prereq: 290, sr st and history major or minor, or sr st and cons chair.

HIST 495. Senior Honors Essay. 3-6 cr. Individually guided research project acceptable to student and faculty director. Accomplished over two semesters. Six credits required to graduate from history honors program. Prereq: Acceptance into history honors program.

HIST 700. Historical Method. 3 cr. Securing and evaluating historical evidence; construction of historical papers based upon various kinds of source materials.

HIST *701. Seminar in Global and Comparative History. 3 cr. Subtitle will designate topic.

HIST *716. Seminar in Non-Western Regional History. 3 cr. Subtitle will designate topic(s).

HIST *756. Seminar in European History. 3 cr. Subtitle will designate topic(s).

HIST *776. Seminar in United States History. 3 cr. Subtitle will designate topic(s).

HIST *790. Historical Issues Workshop. 1-6 cr. Reading, discussion, analysis workshop for elementary or secondary school teachers. Subtitle will designate theme(s).

HIST *791. Readings and Problems in History. 3 cr. Reading seminar focused on a specific historical period and/or topic. Subtitle will designate focus.

HIST 796. Independent Study. 3 cr. Planned study to supplement preparation in area of specialization; regular conferences with staff supervisor.

HIST 799. Thesis. 1-6 cr.

History Latent Courses: Not offered recently. See full course description in indicated (xx-xx) catalog.

275 Topics in Russian and Balkan History, 3 cr, (09-11)

Courses in History Education

HIED 398. Student teaching in History and/or Social Science. Variable cr; pass/fail. Observe and teach in secondary school classroom under guidance of cooperating teachers and university faculty in actual classroom situations. Subtitle will designate area. Prereq: Completion of DPI certified major/minor and DPI education requirements.

HIED 498. Internship in History and/or Social Science. Variable cr.; pass/fail. Observe and teach in secondary school classroom under guidance of cooperating teachers and university faculty in actual classroom situations. Subtitle will designate area. Prereq: Completion of DPI certified major/minor and DPI education requirements.

HISTOTECHNOLOGY

See [Health Care Professions, Clinical Laboratory Science](#).

HMONG

See [World Languages and Literatures](#).

HOME ECONOMICS

See [Health Promotion and Human Development](#), and [Interior Architecture](#).

Honors Intern Program

Career Services Office

Room 201, Student Services Center

Phone: 715-346-3226

Email: career@uwsp.edu

The Honors Intern program is a competitive merit-based program open to select high-achieving UW-Stevens Point students. In the program, you can gain skills and experience in work related to your academic major or career goals. As an Honors Intern student, you must register for your work periods, but you receive no academic credit. Registration means that a record of the work experience will be entered on your transcript.

Honors Intern Courses

COOP 001. First Work Period. 0 cr. Prereq: Approval by the coordinator's office and acceptance by the employing organization.

COOP 002. Second Work Period. 0 cr. Prereq: Satisfactory completion of 001; see statement under 001.

COOP 003. Third Work Period. 0 cr. Prereq: Satisfactory completion of 002; see statement under 001.

COOP 004. Fourth Work Period. 0 cr. Prereq: Satisfactory completion of 003; see statement under 001.

COOP 005. Fifth Work Period. 0 cr. Prereq: Satisfactory completion of 004; see statement under 001.

HUMAN DEVELOPMENT

See [Health Promotion and Human Development](#).

HUMAN DIMENSIONS OF NATURAL RESOURCE MANAGEMENT

See [Natural Resources](#).

HUMAN SERVICES

See [Psychology](#).

HUNGARIAN

See [World Languages and Literatures](#).

Individually Planned Major (IPM)

Mark Balhorn, Coordinator

Room 441, Collins Classroom Center

Phone: 715-346-4335

Email: mbalhorn@uwsp.edu

The individually planned major is for you if you are one of the few students who cannot meet your educational objectives through an existing academic program. It

gives you an opportunity to design your own major using unique combinations of existing offerings that will be coherent and challenging. You must propose your program prior to completing 75 credits, including all transfer credits, to be sure the courses you need are available and can be integrated into your major. The individually planned major is not intended to permit you to package courses that you have already completed.

For the individually planned major, you must:

1. Have a minimum grade point average of 2.75 before you enter the program.
2. Meet the requirements for the bachelor's degree you choose. You will graduate in the college housing the greatest number of credits in your major.
3. Have a minimum grade point average of 3.00 to graduate, regardless of academic bankruptcy, in all courses in your individually planned major.
4. Communication in the Major is satisfied by taking six credits of the designated courses in both or either of the two major curricular areas that compose the IPM. For example, if you are pursuing an IPM for which the major curricular areas are Art and History, you must take six of the credits designated for an Art major or the six designated for a History major. Or you could take three credits in each.
5. Capstone Experience is satisfied by taking a Capstone Experience that is approved for a major in either of the two major curricular areas that compose the IPM.

You must decide to begin an individually planned major no later than the completion of 75 credits. This requirement can be waived in some cases.

You will have to develop a proposal for your major by consulting with the IPM Coordinator and advisers from the departments where you will be doing the work. The proposal must include a title, a statement of the objectives of the program, and a list of specific courses.

The program must be approved by the IPM Coordinator and the IPM committee (made up of advisers from the four Colleges and specific disciplinary advisers appropriate to your topic).

Individually Planned Major

Please visit the online catalog at www.uwsp.edu/acadaff/Catalog%20PDF/currentcatalog.pdf for the most up-to-date information on this major.

Interior Architecture (College of Professional Studies)

Katja Marquart, Head of the Division of Interior Architecture

Room 330, College of Professional Studies Building

Phone: 715-346-4600

Email: design@uwsp.edu

Web: www.uwsp.edu/ia

Faculty: T. Brown, C. Burch, N. Fernando, K. Julin, A. Kadoch, K. Marquart, W. Redeker, C. Von Gnechten, D. Zimmerman.

Interior Architecture Major (Bachelor of Fine Arts)

1. Seventy-four credits:
 - a. Sixty-eight credits: IA 101, 104, 120, 160, 201, 204, 210, 217, 304, 310, 312, 317, 322, 324, 326, 393, 394, 404, 410, 417 (12 cr), 420.
 - b. Three credits: ART 103
 - c. Three credits: PSYC 110.
2. Nine elective credits from Interior Architecture and/or from select courses in Art, Forestry, and Business.
3. Communication in the Major is satisfied by 410, 417, and 420.
4. Capstone Experience is satisfied by 420.
5. Admission to IA professional sequence is based upon a successful portfolio review.
 - a. To qualify for the review, you must have a minimum of 2.75 GPA in ART 103; IA 101, 104, 120, 160, 201, 204, and 217. If your GPA in these courses is 2.50-2.74 and/or you have not successfully completed the first year review, you may request in writing to submit revised work from these courses for reconsideration for admission.
 - b. Admission is determined by your GPA in ART 103; IA 101, 104, 120, 160, 201, 204, and 217, AND
 - c. is determined by successful completion of the first year portfolio review, which is valid only for the subsequent semester of the following academic year.
 - d. If it is necessary to limit the number of students admitted to the professional sequence and the portfolios are determined to be of equal quality, the student with the higher cumulative GPA by the end of the first year will be admitted.
6. You must have a laptop computer and approved computer-aided design (CAD) software before you begin 304 and 317.

Academic Standards for Interior Architecture Major

To graduate with a major in interior architecture you must undergo a senior portfolio review and show. You must also have a minimum 2.75 cumulative GPA in all courses required for the major, including transfer courses, regardless of any declaration of academic bankruptcy. You may repeat a course in the major if you follow the course repeat policy found in the [More Academic Information](#) section of this catalog.

Test-Out, Credit-by-Exam, Transfer Policy for Interior Architecture

The Division of Interior Architecture will offer credit-by-exam for the following GEP courses: 120, 130, 150, 160, 210, 310, and 312. Material normally covered in the courses forms the basis of the comprehensive written exams.

If you wish to take an exam for credit, first confer with the IA division head. Then meet with the faculty member who most recently taught the course who will, prior to administering the exam, inform you in writing of the required minimum passing score. The results will be provided in writing within two weeks of taking the exam. You may take an exam for credit only once for each course.

In order to transfer art or design credits from other institutions, you must submit a portfolio of previous work and grade transcripts. Acceptance of transfer credit depends on successful portfolio evaluation and placement. Only coursework successfully completed in CIDA-accredited bachelor's degree programs will be considered for equivalency to IA coursework.

Courses in Interior Architecture

IA 100. Orientation to the Profession. 1 cr. Explore and develop a plan for academic, individual, and professional career objectives.

IA 101. Design Fundamentals I. 3 cr. Two-dimensional application of color and design in relation to the near environment.

Lecture/studio. May not earn credit in both IA 101 and ART 101.

Prereq: IA major or cons instr.

IA 104. Presentation Techniques I. 3 cr. Study and develop architectural drafting and presentation skills; multiview conventions, lettering, detailing and drawing reproduction techniques through both hand and computer-generated methods. Lecture/studio.

Prereq: IA major or cons instr.

IA 120. Human Behavior and Built Environments. 3 cr.

Fundamental understanding of the interrelationships between people and built environments through a survey of physical, social, and cultural concepts that influence human interactions with interior spaces. GEP: SS

IA 130. Architectural Environments. 3 cr. How technology, culture, economics, and psychosocial needs affect public and private architectural spaces; impact on the natural environment. GDR: EL; GEP: ER

IA 150. Cross Cultural Survey of Applied Design. 3 cr. Compare and contrast the design and use of everyday manufactured goods in Western culture with their counterparts in a variety of non-Western societies. Explore material culture from micro to global view of the home, workplace and beyond. GDR: HU1, NW; GEP: GA, HU

IA 160. Survey of Design: Diversity in the U.S. 3 cr.

Understanding the design of utilitarian objects and the design of space in selected Native American and non-European immigrant cultures. Investigates stereotype, discrimination, majority influence and historical tradition as a concept of design evolution in the U.S. GDR: HU1, MNS; GEP: HU, USD

IA 200. Introduction to Professional Development. 1 cr., pass/fail. Portfolio and resume development. Plan for meeting career objectives. Prereq: IA major or written cons instr.

IA 201. Design Fundamentals II. 3 cr. Three-dimensional applications of color and design in relation to the near environment. Lecture/studio. May not earn credit in both IA 201 and ART 102. Prereq: IA major or cons instr.

IA 204. Presentation Techniques II. 3 cr. Study and develop architectural drafting and presentation skills; sketching, rendering, and describing architectural interiors and furnishings to communicate design concepts through both hand and computer-generated methods. Lecture/studio. Prereq: 101 and 104.

IA 210. History of Architecture and Design: European Influences. 3 cr. Broad historical survey of built environments of European influences within social, religious, cultural, political, and technological contexts from ancient civilizations to the present. GEP: ART

IA 211. Interior Architecture I. 4 cr. Analyze human and environmental factors used to create supportive space for human activity; develop a design methodology. Lecture/studio. Prereq: 110, 204.

IA 212. Interior Architecture II. 4 cr. Small scale interior space planning with emphasis on function, aesthetics and barrier-free environments. Lecture/studio. Prereq: 100, 200, 211.

IA 216. Materials, Finishes, and Technology. 3 cr. Select materials and furnishings based on analysis of human factors, aesthetics, technology, market availability; processes, resources and interior architectural detailing.

IA 217. Interior Architecture I. 3 cr. Analyze human and environmental factors used to create supportive space for human activity; develop a design methodology. Lecture/studio. Prereq: 101 and 104.

IA 301. Design Charrette. 1 cr. Solve a design problem in a short period of time. Subtitle will designate area of design. May repeat under different subtitles. Prereq: 212.

IA 304. Presentation Techniques III. 3 cr. Advanced application of architectural drafting and presentation skills. Sketching, rendering, application of architectural environments to communicate design concepts through both hand and computer-generated methods. Lecture/studio. Prereq: 201, 204 and 217.

IA 305. Store Planning and Design. 3 cr. Apply marketing theory, concepts and practice to design and development of physical retail spaces; review case studies; total project design, development and presentation. Lecture/studio. Prereq: 212.

IA 306. History of Architectural Design in the Americas. 3 cr. Survey structural and interior architecture in the Americas.

IA 310. History of Architecture and Design: Non-European Influences. 3 cr. Broad historical survey of the built environment of selected Non-European influences within social, religious, cultural, political, and technological contexts. Subtitle will designate area. May repeat under different subtitle. GDR: HU1, NW; GEP: ART, GA

IA 311. Interior Architecture III. 4 cr. Office design and systems; programming, schematics and space planning. Criteria for selection of office furnishings and materials. Lecture/studio. Prereq: 212 and 370.

IA 312. The History of the Design Industry and Profession. 3 cr. Historical analysis of the development of the design industry with a focus on the professional discipline of interior design, and the evolution of style through practitioner's techniques, innovations, and work products. Prereq: 210 and 310. GDR: HU1; GEP: ART

IA 314. Architectural Systems. 3 cr. Aesthetic and technological analysis of structural, mechanical, and lighting systems and materials.

IA 315. Sustainable Design. 3 cr. Fundamentals of sustainable design and construction, with an emphasis on green building rating systems, material certification and preparation for LEED professional accreditation. GDR: EL; GEP: ER

IA 317. Interior Architecture II. 3 cr. Small scale interior space planning with emphasis on function, aesthetics, sustainability, and barrier-free environments. Lecture/studio. Prereq: 201, 204, and 217.

IA 318. Lighting Design. 3 cr. Lighting design and technology applied to interior architectural spaces. Lecture/studio. Prereq: 212 and 370.

IA 322. Architectural Systems I. 3 cr. Introductory aesthetic, technical, and sustainable analysis of architectural systems including structural systems, active and passive energy, systems, acoustics, materials, and best practices for resource utilization.

IA 324. Architectural Systems II. 3 cr/ Advanced aesthetic, technical, and sustainable architectural systems, including structural systems, active and passive energy systems, acoustics materials and best practices for resource utilization.

IA 326. Lighting Design. 3 cr. Lighting design and technology applied to interior architectural spaces. Prereq: 317 and 322.

IA 331. Architectural Watercolor. 3 cr. Problems in watercolor, emphasizing transparent and opaque watercolor on paper. Includes field sketching. Lecture/studio. Prereq: 204 or cons instr.

IA 370. Computer Applications in Interior Architecture. 1-3 cr. Apply graphic, architectural, and related software in space planning and design of interior environments. Lecture/studio. Prereq: Cons instr.

IA 391/591. Study Tour. 1-6 cr. Study tours to appropriate industries, museums, or facilities. Subtitle will designate area. May be repeated. Prereq: IA major or written cons instr.

IA 393. Comprehensive Design Study Tour. 1 cr., pass/fail. Comprehensive design study tour to appropriate industries, museums, or facilities. Subtitle will designate area. May be repeated. Prereq: IA major or written cons instr.

IA 394. Field Experience. 1 cr. Supervised program of applied design practice at approved cooperating design practice site. May repeat for 2 cr max. Prereq: 317.

IA 395. Professional Practice. 3 cr. Business and design practice including procedures, philosophies, ethics, marketing, sales and resources. Prereq: 394.

IA 396. Advanced Field Experience. 1-12 cr. Supervised program of applied design practice at approved cooperating design practice site. 3 cr max count toward design electives. Prereq: 311 and con reg in 394.

IA 399. Special Work. 1-3 cr. Upperclass majors may arrange for independent study with cons chair. Credit based on scope of project. Prereq: IA major or written cons instr.

IA 400. Professional Development. 1 cr. pass/fail. Portfolio and resume development. Plan for meeting career objectives. Prereq: 411 or written cons instr.

IA 404. Presentation Techniques IV. 3 cr. Advanced application of architectural drafting and presentation skills; Introduction to Building Information Modeling (BIM) design software; describing architectural environments to communicate design concepts through both hand and computer-generated methods. Lecture/studio. Prereq: 304 and 317.

IA 410. Professional Practice. 3 cr. Business and design practice including procedures, philosophies, ethics, marketing, sales, and resources. Prereq: 394 and cons instr.

IA 411. Interior Architecture IV. 4 cr. Comprehensive design experience. Advanced study of design processes, theory, regulations, and codes. Lecture/studio. Prereq: 311.

IA 415. Problems in Interior Architecture. 2-4 cr. Develop and present major project; may include client interaction, research, programming, space planning, visual concept, reports. Lecture/studio. May repeat for 8 cr max. Prereq: 311 or written cons instr.

IA 417. Interior Architecture Advanced Studio. 4 cr. Comprehensive design experience. Advanced study of design processes, theory, regulations, and codes. Sections designate specific topic areas. Sections may not be taken concurrently. May be repeated for IA elective credit after requirement has been met. Lecture/studio. Prereq: 317, 324, 326, and 404.

IA 420. Interior Architecture Capstone. 3 cr. Advanced application of design processes, theory, regulations, and codes for depth and enhancement to an IA studio project; portfolio and resume development; final portfolio presentation. May be taken independently of an IA studio course. Prereq: Completion of two 417 sections.

IA 470. Advanced Computer Applications in Interior Architecture. 3 cr. Advanced application and exploration of graphic visualization, architectural, and related software in space planning and design. Lecture/studio. Prereq: 370.

IA 490/690. Special Topics. 1-4 cr. Subtitle will designate area. May be repeated. Prereq: IA major or written cons instr.

Interior Architecture Latent Course: Not offered recently. See full course description in indicated (xx-xx) catalog.

233 Textiles for Interiors, 3 cr, (07-09)

300 Professional Development for Internship, 2 cr, (05-07)

360 Ergonomics, 3 cr, (07-09)

405 Advanced Store Planning and Design, 3 cr, (11-13)

418 Advanced Lighting Design, 3 cr, (07-09)

INTERIOR DESIGN

See [Interior Architecture](#).

INTERNATIONAL RESOURCE MANAGEMENT

See [Natural Resources – Human Dimensions of Natural Resource Management](#).

INTERNATIONAL STUDENTS AND SCHOLARS OFFICE

See [English as a Second Language Program](#).

International Studies (College of Letters and Science)

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Definition: International studies is an interdisciplinary program designed to help you understand social and cultural developments in various world regions, develop linguistic skills, and prepare for careers in the globalizing economy.

Abbreviation: INTL = International Studies

International Studies Major (Bachelor of Arts)

Consists of 33 credits plus foreign language requirement.

- Core courses, 9 credits: HIST 101 or 102; GEOG 113 or 120, POLI 160 or 180.
- Language requirement, 0-19 credits.
 - If your native language is English, you must complete or test out of one foreign language course beyond the fourth semester college level.
 - Foreign students whose native language is not English may use English to fulfill the language requirement by completing English 202 or 150.
- Areas of concentration, 21 credits spread between two areas, 9 credits minimum in each area; 15 credits must be in courses numbered 300 and above. Courses designated with an asterisk (*) and all International Studies courses must have the subtitle approved for the area.

African and Middle Eastern Studies:

ENGL 282*; GEOG 300; HIST 232, 233, 239*, 240, 241, 247*, 335, 338, 339*, 342, 343, 347*; IA 310*; INTL 300*, 381*, 391*, 395*, 399*.

Asian Studies:

ART 270, 271, 370, 371, 372, 373, 374, 375, 378, 379, 396*; BUS 293, 493*; ECON 493; GEOG 325, 327; HIST 216, 217, 223*, 316, 317, 318, 322, 323*, 396*; IA 310*; INTL 300*, 381*, 391*, 395*, 399*; PHIL 105; POLI 371; REL 100, 333, 340, 341.

Australian, New Zealand, and Southwest Pacific Studies:

ANTH 338; ENGL 383*; GEOG 302, 350; HIST 396*; INTL 300*, 381*, 391*, 395*, 399*; POLI 490*.

European Studies:

ART 282, 283, 382, 383, 385, 386, 387, 388, 389, 392, 394, 397*; BUS 490*, 496*; COMM 362*, 367, 369*; C LT 101, 102, 350*; ENGL 211, 212, 283*, 285*, 288*, 311, 324, 325, 327, 361, 366, 378; FLG 340*, 381*; FREN 340, 355, 441, 442, 450*, 460*, 470*, 481*, 493*; GEOG 328, 329; GERM 340, 355, 460*, 470*, 481*, 493*; HIST 257, 274*, 356, 357, 359, 360, 363, 364, 367, 377, 396*; INTL 300*, 381*, 391*, 395*, 399*; IA 309, 391*; MUS 221, 300*, 320, 323, 326, 427; PHIL 327; POLI 361, 363, 393, 394; SPAN 340, 355, 441, 442, 481*, 493*; THEA 329*, 351, 352, 452, 490*, 492*; WGS 300*.

Latin American Studies:

ANTH 335, 345; ART 397*; C LT 243; FLG 381*; GEOG 391*; HIST 248, 249, 255, 310*, 348, 351, 355*, 396*; INTL 300*, 381*, 391*, 399*; NRES 406, 407; POLI 375; SPAN 340, 453, 454, 483*, 490, 493*.

Russian and Eastern European Studies:

COMM 364; HIST 367, 370, 371, 372, 373, 374, 375*, 396*; INTL 300*, 381*, 391*, 395*, 399*; POLI 362.

Global Studies:

ANTH 110, 320, 372*, 380; ART 380; BUS 327, 339, 342, 357; COMM 330*, 360, 361, 389, 390*; C LT 235, 350; ECON 110, 362, 365; ENGL 319, 361, 374; GEOG 340, 365, 368; HIST 203, 204, 214, 301, 302, 303*, 311, 314, 315*, 332, 377, 378, 396*; IA 150, 310*; MUS 220, 307; NRES 220, 323; PAX 200; POLI 305, 374, 376, 382, 383, 385, 386, 387, 388, 396; REL 302, 344; SOC 360, 370; WATR 220.

4. **Senior seminar**, 3 credits: INTL 480 to satisfy the Capstone Experience.
5. The International Studies Major satisfies the Interdisciplinary Studies GEP requirement. For more information, see the [GEP](#) section of the Catalog.

Enhanced Concentration Option in International Studies Major

International Studies majors interested in a particular world, region or in global studies may elect to complete an enhanced concentration of 15 additional credits from the courses enumerated in one of the above concentrations.

You may also elect to complete an enhanced concentration in Ibero-Latin American Studies, with appropriate courses from categories 3 d – European Studies and category 3 e-Latin American Studies, or an enhanced concentration in European Union Studies, with appropriate courses from categories 3 d-European Studies and category 3 f-Russian and East European Studies, or an enhanced concentration in East Asian Studies with appropriate courses from category 3 b.

With the exception of topics courses bearing different subtitles, you may not repeat classes taken for the regular concentration in an enhanced concentration.

For the enhanced concentration, International Studies majors are generally required to meet the language requirement for the International Studies major with a language relevant to that geographic region.

International Studies minors who are interested in a particular world region or in global studies and wish to complete an enhanced concentration must take four semesters of a language (or test out of 212) and an additional 9 credits of content courses.

International Studies Minor

Consists of 24 credits plus foreign language requirement.

1. Core courses, 9 credits: HIST 101 or 102; GEOG 113 or 120; POLI 160 or 180.
2. Language requirement, 0-12 credits.
 - a. If your native language is English, you must complete or test out of two semesters of college level foreign language.
 - b. If your native language is not English, then you may use English to fulfill your international studies language requirement, by completing ENGL 202 or 150.
3. Areas of concentration, 12 credits from one of the areas of concentration listed with the major above. Six credits must be in courses numbered 300 and above.
4. Senior seminar, 3 credits: INTL 480.

International Studies Honors Program

The International Studies Honors Program provides additional opportunity and challenge to students interested in a particular research problem. To graduate with the Honors Program in International Studies you must:

1. Have a 3.5 GPA.
2. Complete the requirements for the International Studies major or minor.
3. Submit a written proposal for a two-semester research project that meets the approval of the International Studies coordinator and a thesis adviser who is selected in consultation with the International Studies coordinator.
4. Complete and successfully defend a thesis of 40-60 pages by enrolling in two semesters of INTL 495.

Academic Standards for International Studies

To graduate with a major or minor in international studies, you must have a 2.0 GPA in required courses, including transfer courses, regardless of any declaration of academic bankruptcy. See the [More Academic Information](#) section of this catalog for the policy on repeating courses. Courses in international studies are open to all students who meet the prerequisites.

Test-Out and Credit-by-Exam Policy for International Studies

You may test-out or receive credit-by-exam for all General Education Program requirement (GEP) courses. If you wish to test-out or receive credit-by-exam for courses in the international studies major/minor, you must make arrangements with the appropriate department. Consult with the international studies coordinator. A comprehensive written exam based on materials covered in a course will normally be administered by the faculty member who teaches the course. The minimum required score for all such exams is a B- or its numerical equivalent. You may take an exam for credit or test-out only once.

Courses in International Studies

INTL 098. International Study. 0 cr. Maintains UW-Stevens Point students in active enrollment status while engaged in a semester abroad program with another university.

INTL 300. International Study Tour. 1-3 cr. Analyze social, cultural, economic, and political conditions through on-site tours and lectures with approp study and writing. Subtitle will designate countries or regions. May repeat with different subtitle.

INTL 310. International Service Learning. 1-6 cr. Supervised volunteer service abroad with a community-based organization meeting fundamental human needs; includes critical reflection and written analysis of the service experience. Approximately one week international service per credit. Subtitle will designate location and service focus. Credits and additional requirements set by instructor before registration. Offered only through UW-Stevens Point International Programs. May apply 3 cr max to INTL major/minor or PAX minor. Prereq: Cons instr. and I.P. Director.

INTL 381. Culture and Civilization. 2-3 cr. Advanced survey within a specific country or region. Offered only through UW-Stevens Point International Programs. Subtitle designates country or region. May repeat with different subtitle. Prereq: Enrollment in a UW-Stevens Point international program. GDR: HU4; GEP: HU

INTL 391. Special Topics. 1-12 cr. Study international developments informed by visits to historic locations and cultural and political centers. Subtitle will designate topic. Offered only through UW-Stevens Point International Programs. May repeat with different subtitle. Prereq: Enrollment in a UW-Stevens Point international program.

INTL 395. Internship. 1-12 cr. Supervised work in a cooperating organization or agency. One credit for 60 hrs work. Credits and/or additional requirements set by instructor before registration. May apply 3 cr max to Intl Studies major/minor. Prereq: Jr or sr st and 2.75 GPA in major/minor and cons intl coord.

INTL 399. Independent Study. 1-3 cr. Individual study of an international topic or a specialized subject in approp area of concentration under faculty supervision. Prereq: Jr st and cons intl coord.

INTL 480. Senior Seminar. 3 cr. Capstone experience to enhance understanding of the interrelation of cultures throughout the world. Prereq: INTL major/minor with 9 cr of core courses and at least 6 cr of concentrations completed, or cons coord.

INTL 495. Honors Thesis. 3-6 cr. Individually guided research project acceptable to student and faculty director. Accomplished over two semesters. Six credits required to graduate from International Studies honors program. Prereq: Acceptance into International Studies Honors Program.

JAPANESE

See [World Languages and Literatures](#).

JAZZ STUDIES

See [Music](#).

JOURNALISM

See [Communication](#).

LAND USE PLANNING

See [Natural Resources – Human Dimensions of Natural Resource Management](#).

LATIN

See [World Languages and Literatures](#).

LAW

See [Political Science](#).

LEARNING DISABILITIES

See [Education](#).

LIBERAL ARTS

See [American Studies](#) and [College of Letters and Science](#).

Library Resources

Courses in Library Resources

LRES 101. Information Literacy Skills for College-Level Research. 1 cr, pass/fail. Introduction to the Library's resources and development of information literacy skills through innovative methods designed to support college-level research and lifelong learning.

LRES 380. Internship in Academic Librarianship. 1-3 cr. Supervised field experience in UW-Stevens Point library. Credits determined by time and nature of assigned tasks. Prereq: LRES 101 and cons. instr.

LIFE SCIENCE

See [Natural Science](#).

MASTER'S DEGREE

See the [Graduate](#) section later in this catalog.

Mathematical Sciences

(College of Letters and Science)

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Definition: Mathematics is the study of quantity, form, arrangement and magnitude. It is the study of the measurement, properties, and relationships of quantities, using numbers and symbols.

The **Computer Information Systems (CIS)** major and minor are listed under that title elsewhere in this catalog.

The **Web and Digital Media Development (WDMD)** major and minor are listed under that title elsewhere in this catalog.

Mathematics Placement Test

The mathematics placement test is given to all new freshmen as they enter the university. The test covers the material found in the usual four-year high school mathematics program (two years of algebra, geometry, and precalculus) and the scoring varies according to the amount of mathematics you have taken. The test results are used to place you at the appropriate level of mathematics at UW-Stevens Point. At some of these levels you will be able to choose from several courses after examining their prerequisites. If you did not take the test at the time you entered the university, you may arrange for it at the department office.

Mathematics Major (Bachelor of Science)

Consists of at least 44 credits:

- Collateral Natural Science Requirements (required, but not part of the major):
 - Take at least 12 credits of General Education Natural Science courses including:
 - PHYS 150 or
 - PHYS 203 and 204.
 - Or complete a major or minor in Biology, Biochemistry, Chemistry, Paper Science, or Physics.
- Mathematics Foundation courses (20 credits): 120, 121, 213, 222, 300.
- Depth (6 credits): Complete one of the following:
 - Algebra: two from 330, 331, 332, or
 - Analysis: two from 323, 324, 327 or
 - Operations Research: both 310 and 315, or
 - Probability and Statistics: both 356 and 357.
- Core (an additional 6 credits): Take two from 323, 324, 327, 330, 331, or 332.
- Breadth Electives (at least 9 additional credits):
 - (6 credits): Take two courses from 305, 310, 315, 320, 323, 324, 327, 330, 331, 332, 335, 356, 357, 367, 372.
 - (3 or 4 credits): Take one additional course from 5a or three to four credits from 390, 395 or 499/
- Capstone Experience (3 credits): Take either 380 or 381 or a capstone experience approved by the chair.
- NOTE: The Communication in the Major requirement is satisfied by MATH 300 and either 380 or 381.

Mathematics Major with Actuarial Emphasis (Bachelor of Science)

Consists of at least 50 credits.

- Collateral Business and Computer Science requirements (required, but not part of the major):
 - CIS 102 (Spreadsheet or Database), CIS 110, ACCT 210.
 - One of ACCT 211, CIS 210, ENGL 351.
- Mathematics Foundation courses (20 credits): 120, 121, 213, 222, 300.
- Core (21 credits): Complete all of the following:
 - Probability and Statistics: MATH 356, 357.
 - Theory of Interest: MATH 362.
 - Economics: ECON 110, 111.
 - Finance: BUS 350, 353
- Breadth Electives (nine to 10 additional credits)
 - (3 credits): Take one additional course from 305, 310, 315, 320, 323, 324, 327, 330, 331, 332, 360, 367.
 - (3 or 4 credits): Take one additional course from 4a or three to four credits from MATH 390, 395, 499; BUS 343, 352, 356; ECON 310, 360.
 - (3 credits): Oral Communication in the Major: Take either 380 or 381 or an approved course from Business or Economics which satisfies an oral communication component.
- Capstone Experience (0-2 credits): Take an actuarial exam; also take MATH 358 (course requirement is waived if an actuarial exam is passed).
- NOTE: The Communication in the Major requirement is satisfied by MATH 300 and either 380 or 381, or an approved course from Business or Economics which satisfies an oral communication component.

Mathematics Minor

Consists of 26 credits:

- MATH 120, 121, 213, 222, 300.
- At least 6 credits from MATH 305, 310, 315, 320, 323, 324, 327, 330, 331, 332, 335, 356, 357, 360, 367, 372, 468.

Applied Mathematics Minor

Consists of at least 24 credits:

- MATH 120, 121, 213.
- Complete one of the following sequences:
 - MATH 356, 357.
 - MATH 310, 315.
- Complete two additional courses from MATH 222, 305, 310, 315, 320, 356, 357, 360, 362, 367, 468.

Mathematics Major for Teacher Certification (Secondary/Middle) (Bachelor of Science)

Consists of at least 54 credits:

1. Collateral Business and Computer Science requirements (required, but not part of the major):
NOTE: Consult with the School of Education regarding natural science requirements for Teacher Certification.
 - a. Take at least 12 credits of General Education Natural Science courses, including:
 1. PHYS 150 or
 2. PHYS 203 and 204, or
 3. PHYS 203 and 5 credits of Chemistry
 - b. Or complete a major or minor in Biology, Biochemistry, Chemistry, Paper Science, or Physics.
2. Mathematics Foundation courses (20 credits): 120, 121, 213, 222, 300.
3. Abstract Algebra (3 credits): Take either 331 or 332.
4. Statistics (4 or 6 credits): Complete either
 - a. 350 and M ED 350, or
 - b. 356 and 357.
5. Math Education (12 credits): Take MATH 340; M ED 334, 335, 340.
6. Breadth Electives (at least 9 additional credits):
 - a. (6 credits). Take 2 courses from 305, 310, 315, 320, 323, 324, 327, 330, 331, 332, 335, 356, 367, 372.
 - b. (3 or 4 credits): Take one additional course from 6a or three to four credits from 380, 381, 390, 395 or 499.
7. Student Teaching (6-12 credits): Take M ED 398 (if you have more than one major, six credits in each, otherwise 12 credits in M ED 398).
8. **NOTE:** The Communication in the Major requirement is satisfied by MATH 300 and M ED 335. Student Teaching is the Capstone Experience.

Mathematics Minor for Elementary Education Majors

Consists of 24 credits plus student teaching:

1. Required: MATH 345, 359, 369; M ED 334, 345, 359, 369.
2. Complete either MATH 355 or MATH 350/M ED 350.
3. Complete one: MATH 109, 111, or 120.
4. Required but not part of the minor: MATH 228, 338 and M ED 228, 338.

Mathematics Minor for Teacher Certification (Secondary/Middle)

Consists of at least 32 credits:

1. Required (28 cr): MATH 120, 121, 213, 300, 340, and M ED 334, 335, 340.

2. Complete 2a **OR** 2b below (at least 4 cr):
 - a. MATH 350, M ED 350.
 - b. MATH 356, 357.

Academic Standards for Mathematics Major

To have a major in mathematics approved for graduation, you must have a minimum grade point average of 2.00 (2.75 to student teach) in the math courses you select to satisfy the requirements of the major. In addition, you must achieve a grade of C or better in at least 18 credits in required courses numbered 300 or above. These standards apply regardless of a declaration of academic bankruptcy. The department chair may allow exceptions on a conditional basis.

Additional Academic Standards for Teacher Certification:

1. A minimum grade point average of 2.75.
2. Elementary education majors are required to take MATH 228, 338, M ED 228, 338 and M ED 345.
3. **Enrollment caps** are in effect for teacher certification. Contact the Mathematical Sciences Department early for entrance requirements and application procedures. Also see information about the Professional Education Program and secondary education curriculum for teacher certification in the [Education](#) section of this catalog.

Test-Out and Credit-by-Exam Policy for Mathematics

The principal test-out procedure for mathematics is the UW System Mathematics Placement Exam. You are placed in math courses based on that exam and may place out of the mathematics requirement.

1. If you do not feel the placement test has accurately reflected your ability, you may retake the test once, **OR** you may take the final exam for any General Education Program requirement math course. If you score 70% or higher, you will be exempt from that course.
2. You may also use AP (Advanced Placement) scores to receive advanced placement and credit-by-exam. If you score a 3 or higher on the AP Calculus AB exam, you can receive credit for MATH 120. If you score a 3 or higher on the AP Calculus BC exam, you can receive credit for both MATH 120 and 121.
3. If you took calculus in high school but did not take the AP exam, you may be placed directly into MATH 121 at the discretion of the department chair. If you earn a grade of B or better in 121, you will receive retroactive credit for 120.

Master of Science in Teaching (Mathematics)

The Master of Science in Teaching (Mathematics) is offered in cooperation with UW-Oshkosh. You can get more information from the department office.

Courses in Mathematics

Also see listing under *Mathematics Education*.

****MATH 90. Beginning Algebra.** 3 cr. Real numbers, solving linear equations, exponents, polynomials, rational expressions. Algebra for those with low placement test scores who need practice in fundamental math skills. Does not count toward a degree.

****IMPORTANT** If you are placed into remedial coursework in mathematics you must restrict your coursework to a level that will allow for success. You must receive written permission from your adviser to enroll in more than 16 credits during any semester that you enroll in remedial coursework. If you want to enroll in more than 18 credits during any semester that includes remedial coursework, you must receive written permission from the dean of your college. Factors that are considered in approving credit load include your ACT score, high school class rank, overall high school record, university GPA, and demands on your time such as coursework, extracurricular activities and employment.**

Entering freshmen who are placed into remedial mathematics must complete the remedial coursework before earning 30 credits toward graduation. If you are in this category and fail to complete the remedial work before earning 30 credits, you will be restricted to a maximum of 12 credits, including the remedial courses, until you meet the requirement.

MATH 100. College Algebra. 3 cr. Graphing linear equations and inequalities, exponents, radicals, quadratic equations, systems of equations, study of functions including exponentials and logarithmic functions. Prereq: 90 or suitable placement test score.
GDR: MATH

MATH 105. Mathematics Applications, Appreciation, and Skills. 3 cr. Topics include probability, statistics, geometry, logic, history and appreciation of mathematics, mathematics of finance, and others. Not a substitute for MATH 100 as a prerequisite for any other MATH course. Prereq: MATH 90 or suitable placement test score. GEP: QL

MATH 109. Mathematics for the Social and Management Sciences. 4 cr. Systems of linear equations, matrices, linear programming, exponential growth and decay, mathematics of finance, differential calculus with emphasis on applications. Prereq: 100 or suitable placement score. GDR: MATH BS BM/BFA; GEP: QL

MATH 111. Applied Calculus. 4 cr. Calculus applied to business, economics, biology, natural resources, and social science. Prereq: 100 or a suitable placement score. May not take 111 for credit after successful completion of 120. GDR: MATH BS/BFA; GEP: QL

MATH 112. Basic Trigonometry and Applications. 2 cr. Introduction to trigonometry and applications to surveying, navigation, and indirect measurement. Not open to those who have taken 119. MATH 112 will not substitute for 119 and is not preparation for 120. May not earn credit in both 112 and 119. Prereq: 100 or placement into 112.

MATH 118. Precalculus Algebra. 4 cr. Topics include concepts, graphs, and properties of functions, inverse and algebraic functions, techniques of graphing, conic sections, linear and nonlinear systems, arithmetic and geometric series, mathematical induction and the binomial theorem. Preparation for 120 if you did not place into 120. Prereq: 100 or suitable placement test score. GDR: MATH BS BM/BFA; GEP: QL

MATH 119. Precalculus Trigonometry. 2 cr. Trigonometric functions, their basic properties and graphs; inverse trigonometric functions; identities; applications. Preparation for 120 if you did not place into 120. May not earn credit in both 112 and 119. Prereq: 100 or suitable placement test score.

MATH 120. Calculus I. 4 cr. Introduction to limits; differentiation and integration of algebraic and transcendental functions; optimization and additional applications. Prereq: 118 and 119 or suitable placement score. GEP: QL

MATH 121. Calculus II. 4 cr. Integration of algebraic and transcendental functions continued; techniques and applications of integration; improper integrals; infinite sequences and series; introduction to differential equations with applications. Prereq: 120.

MATH 209. Mathematics for Information Sciences. 4 cr. Boolean algebra, relational database theory, algorithms, combinatorics, discrete probability, recursion, graph theory, network flows and applications for information sciences. Prereq: 100 and con reg in CIS 120.

MATH 213. Introduction to Linear Algebra. 4 cr. Topics in linear algebra; systems of linear equations, Gauss-Jordan elimination, linear combinations and linear independence, linear transformations, vector spaces and subspaces, matrix algebra, determinants, bases of nullspaces and column spaces, eigenvalues and eigenvectors, inner products and orthogonal projections with selected applications. Prereq: 121.

MATH 220. Introduction to Linear Algebra and Differential Equations. 4 cr. Introduction to linear algebra; matrices, systems of linear equations, bases of vector spaces, linear transformations, eigenvalues and eigenvectors. Also introduction to ordinary differential equations; first and second order equations, linear systems of differential equations. Prereq: 121.

MATH 222. Calculus III. 4 cr. Introduction to solid analytic geometry; parametric and polar equations; vectors; differentiation of functions of several variables; multiple integrals using different coordinate systems; applications. Prereq: 121.

MATH 228. Fundamental Mathematical Concepts for Elementary Teachers I. 3 cr. Basic concepts and properties of sets, number systems, and functions for elementary school math. Prereq: 100 or placement above 100 and con reg in M ED 228; and declared elementary ed, early childhood ed, or special ed major. *If you do not meet the prerequisites, you will not be allowed to take the course.* GEP: QL

MATH 300. Introduction to Proof with Real Analysis. 4 cr. Transition to upper division mathematics. Topics include logic, proof techniques, set theory, relations and functions; elementary properties of integers, rational numbers, and real numbers; open sets, closed sets, cardinality, limits, and continuous functions; also reading and writing formal mathematical proofs. Prereq: 121.

MATH 305. Discrete Mathematics. 3 cr. Algorithm analysis: recursion, complexity; combinatorics: recurrence relations, dynamic systems, counting techniques; graph theory: Eulerian and Hamiltonian graphs, algorithms and heuristics, planar graphs, trees, applications. Prereq: 300 or con reg.

MATH 310. Operations Research I. 3 cr. Formulation and computation of linear programming problems: simplex method, duality, sensitivity analysis, computer solutions; integer programming; network flows with applications. Prereq: 213 or 220 or 209.

MATH 315. Operations Research II. 3 cr. Interior point methods for linear programming; nonlinear optimization; dynamic programming; introduction to stochastic models with use of related computer software. Prereq: 222 and 310.

MATH 320. Differential Equations. 3 cr. Introduction to ordinary differential equations of the first and second order; linear equations with constant coefficients; solution in series; numerical approximations; Laplace transforms; system of ordinary equations; selected applications. Prereq: 222.

MATH 324. Complex Variables. 3 cr. Complex numbers, functions of a complex variable; power series; elementary functions; conformal and bilinear transformation; integral theorems; Taylor/Laurent expansions; theory of residues; applications. Prereq: 222 and 300 or cons instr.

MATH 327. Advanced Calculus. 3 cr. Theory of differential and integral calculus: limits and convergence, continuity, derivatives, integrals; Inverse and Implicit Function Theorems; Taylor and Fourier series; transforms. Prereq: 213 or 220, and 222, 300.

MATH 330. Intermediate Linear Algebra. 3 cr. Abstract finite and infinite dimensional vector and inner product spaces; subspaces: spanning and linear independence, bases, dimension, coordinates, linear transformations: eigenvalues and eigenvectors, diagonalization, isomorphism, projections, spectral theorems, canonical forms; selected additional topics. Prereq: 213 or 220, and 300.

MATH 331. Abstract Algebra – Rings and Fields. 3 cr. Ring axioms, homomorphisms, subrings and ideals, polynomials, integral and Euclidean domains, field axioms, extension fields, selected additional topics. Prereq: 213 or 220, and 300.

MATH 332. Abstract Algebra – Group Theory. 3 cr. Group axioms, homomorphisms and isomorphisms, normal subgroups and quotient groups, cyclic groups, permutations and symmetric groups, finite abelian groups, selected additional topics. Prereq: 213 or 220, and 300.

MATH 335. Number Theory. 3 cr. Primes, composites, and divisibility; congruences and residue classes; number-theoretic functions; Diophantine equations. Prereq: 300 or cons instr.

MATH 338. Fundamental Mathematical Concepts for Elementary Teachers II. 3 cr. Topics from geometry, measurement, algebra, and logic with emphasis on problem solving. Prereq: 228 and con reg in M ED 338. GDR: MATH BS BM/BFA

MATH 340. College Geometry with Teaching Methods. 3 cr. Foundations of geometry; survey of Euclidean geometry from various developmental approaches; introduction to non-Euclidean geometries. Applications and teaching methods for geometry in the middle and high school classroom. Does not count toward math major or minor. Prereq: 300 and con reg in M ED 340/540.

MATH 345. Fundamental Mathematical Concepts for Elementary Teachers III. 3 cr. Topics from probability, statistics, calculus, and rational and real numbers with an emphasis on problem solving. Prereq: MATH 338 and con reg in M ED 345.

MATH 350. Probability and Statistics with Teaching Methods. 3 cr. Discrete and continuous probability distributions; random variables; mathematical expectation; statistical estimation and inference; hypothesis testing; regression. Applications and teaching methods for probability and statistics in high school classroom. May not earn credit in both 356 and 350; 350 is not a prereq for 357. Does not count toward math major/minor. Prereq: 121 and con reg in M ED 350.

MATH 355. Elementary Statistical Methods. 4 cr. Fundamental concepts and techniques that underlie applications to various disciplines, including descriptive statistics; averages; dispersion; random sampling; binomial, normal, Student T, Chi-square, and F distributions; estimation and tests of hypothesis; linear regression and correlation; laboratory emphasis on sampling and applications. Does not count toward math major/minor, or major for teacher certification. Prereq: 100 or suitable placement test score. GDR: MATH BS BM/BFA; GEP: QL

MATH 356/556. Probability and Statistics I. 3 cr. Probability from a set-theoretic viewpoint; random variables and mathematical expectation; discrete and continuous probability distributions; functions of random variables and moment-generating functions. Prereq: 121.

MATH 357/557. Probability and Statistics II. 3 cr. Statistical inference: estimation and tests of hypotheses; linear regression and correlations; multiple linear regression. Prereq: 356.

MATH 358. Seminar to Prepare for Actuarial Exam P/1. 2 cr. Study and discuss concepts and problems from probability, calculus, and insurance found on recent examinations, as preparation for taking Exam P /1. Prereq: 356.

MATH 359. Mathematics for Middle School I. 2 cr. Problem-solving with extended topics from algebra, geometry, trigonometry, analytic geometry, measurement, probability, and statistics. Prereq: 338 and con reg in M ED 359.

MATH 362. Theory of Interest. 3 cr. Interest rate measurement, force of interest, valuation of annuities with constant or non-constant payments, amortization and loan payment schedules, bond valuation, methods of measuring rate of return, spot and forward rates of interest, cashflow duration and immunization. Prereq: 121 or cons instr.

MATH 367. Mathematics of Decision and Choice. 3 cr. Quantitative approaches to rational decision making: game theory, decision analysis with uncertainty and risk, management science; model formulations and solution using computer software. Prereq: 121 or 109.

MATH 369. Mathematics for Middle School II. 2 cr. Topics from sets, logic, mathematical reasoning and proof, mathematical structures, discrete mathematics, topology, and history of mathematics. Prereq: 338 and con reg in M ED 369.

MATH 372. Topology. 3 cr. Topics in metric and point-set topology: homeomorphisms and isometries, connectedness, compactness, and separation axioms; low-dimensional Euclidean topology: curves, surfaces, knots, manifolds. Prereq: 213 or 220, and 300.

MATH 380. History of Mathematics. 3 cr. Topics taken from the history of mathematics with emphasis on mathematical ideas, problems, and methods from early civilization through the 20th century. Read and analyze mathematical works, and give expository presentations during class and in more general forums. Prereq: 14 or more credits in 300-level Math or Math Education courses which count toward a math major, excluding MATH 395 (6 credits may be concurrent), or cons instr.

MATH 381. Mathematical Research Methods. 3 cr. Topics taken from modern mathematics. Read and analyze recent mathematical works, and give expository presentations during class and in more general forums. Prereq: 14 or more credits in 300-level Math or Math Education courses which count toward a math major, excluding MATH 395 (6 credits may be concurrent) or cons instr.

MATH 390/590. Special Topics in Mathematics. 1-3 cr. Subtitle will designate topic and number of credits. Prereq: Cons chair.

MATH 395. Seminar. 1 cr. Present and discuss selected readings in mathematical subjects. May repeat for 3 cr max with different subtitles. Prereq: Cons instr.

MATH 397. Internship in Mathematics. 2-6 cr. Participate in supervised training work program in cooperating agency or business arranged by faculty with cons chair. Credits set by adviser and chair following dept guidelines. May repeat for 6 cr max. Prereq: Jr st and cons instr.

MATH 499. Independent Study. Upperclass math majors may arrange for independent study with cons chair. Credit based on scope of project. May apply 3 cr to major.

Mathematics Latent Courses: Not offered recently. See full course description in indicated (xx-xx) catalog.

220	Introduction to Linear Algebra and Differential Equations, 4 cr, (07-09)
321	Intermediate Differential Equations, 3 cr, (07-09)
322	Vector Analysis, 3 cr, (03-05)
323	Foundations of Analysis, 3 cr, (07-09)
360	Numerical Analysis, 3 cr, (03-05)
455/655	Advanced Statistical Methods, 4cr, (07-09)
468	Applied Statistics, 3 cr (07-09)
550	Probability and Statistics with Teaching Methods, 3 cr, (07-09)

Courses in Mathematics Education

M ED 228. Teaching Elementary School Mathematics I. 1 cr. Principles, goals, methods, study of curricular content and assessment techniques, includes field experience. Prereq: Con reg in Math 228.

M ED 229. Teaching Elementary School Mathematics I. 1 cr. Principles, goals, methods, and techniques. Only for transfer students who did not take MATH 228 at UW-Stevens Point. Prereq: 3 cr of math for elementary teachers' equivalent to MATH 228.

M ED 334. Technology Tools for Mathematics Teachers. 4 cr. Techniques, research, and curriculum planning related to current technology within secondary and middle school math. Prereq: MATH 109, 111, or 120 or cons instr.

M ED 335. Techniques in Secondary Education. 4 cr. Aims, methods, materials, techniques, planning, organization, assessment, and field experience. Same as EDUC 335. Prereq: Jr st, admis to Prof Ed Prog.

M ED 338. Teaching Elementary School Mathematics II. 1 cr. Principles, goals, methods, and study of curricular content and assessment techniques; includes field experience. Prereq: M ED 228 or 229; and con reg in MATH 338. GDR: MATH BS BM/BFA

M ED 339. Teaching Elementary School Mathematics II. 1 cr. Principles, goals, methods, and techniques. Only for transfer students who did not take MATH 338 at UW-Stevens Point. Prereq: 3 cr of math for elementary teachers equiv to MATH 338.

M ED. 340. Teaching Geometry. 1 cr. Techniques, research, curricular planning, and evaluation issues related to teaching geometry at the middle and secondary levels. Prereq: 300 and con reg in MATH 340/540.

M ED 345. Teaching Elementary School Mathematics III. 1 cr. Principles, goals, methods, study of curricular content and assessment techniques at approp levels; includes field experience. Prereq: M ED 338 or 339; and con reg in MATH 345.

M ED 350. Teaching Probability and Statistics. 1 cr. Techniques, research, curricular planning, and evaluation issues related to teaching probability and statistics at the middle/secondary levels. Prereq: MATH 121 and con reg in MATH 350.

M ED 359. Teaching Middle School Mathematics I. 2 cr. Techniques, research, curricular planning, and teaching of problem solving. Prereq: MATH 338 and con reg in MATH 359.

M ED 369. Teaching Middle School Mathematics II. 2 cr. Techniques, research, curricular planning, and evaluation issues related to middle school math. Prereq: MATH 338 and con reg in MATH 369.

M ED 390. Special Topics. 1-3 cr. Subtitle will designate topic and number of credits. Prereq: Cons chair.

M ED 398. Student Teaching in Mathematics. 3-12 cr; pass/fail. Observation and teaching in the secondary school classroom under the guidance of cooperating teachers and university faculty. Prereq: Completion of math DPI certified major/minor and DPI educ requirements.

M ED 399. Special Work. 1-3 cr. Upperclass students may arrange for independent study with cons chair. Credit based on scope of project.

M ED 400. Seminar on Teaching for Secondary Student Teachers. 1 cr; pass/fail. Structural group discussions on aspects of teaching that emerge during student teaching experiences. Prereq: Con reg in M ED 398.

M ED 790. Special Topics. 1-4 cr. Subtitle will designate topic and number of credits. Prereq: Cons chair.

Mathematics Education Latent Courses: Not offered recently. See full course description in indicated (xx-xx) catalog.

550 **Teaching Probability and Statistics**, 1 cr, (07-09)

MATRICULATION FEES

See [Finances](#).

MEDIA AND WEB TECHNOLOGY

See [Web and Digital Media Development](#) and [Art & Design](#).

MEDIA STUDIES

See [Communication](#).

MEDICAL TECHNOLOGY

See [Health Care Professions](#).

MEDIEVAL AND RENAISSANCE STUDIES INTERDISCIPLINARY CERTIFICATE

See [English](#).

MENOMINEE

See [World Languages and Literatures](#).

MICROBIOLOGY

See [Biology](#).

MIDDLE SCHOOL CERTIFICATION

See [Education](#).

Military Science

(College of Professional Studies)

LTC Gary Thompson, Chair
Room 159, Health Enhancement Center
Phone: 715-346-2885 or 346-3821

Email: rotc@uwsp.edu

Web: www.uwsp.edu/rotc

Scholarship/Enrollment Officers:

Captain Josh Beyerl, 346-4010, jbeyerl@uwsp.edu

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Faculty: LTC G Thompson, CPT J Beyerl, M Butcher, SFC J Gano, R Kehoe.

The Military Science Department, through the Army's Reserve Officers' Training Corps (ROTC), offers you an opportunity to receive a commission as a second lieutenant in the U.S. Army, Army Reserve or Army National Guard. While not an academic major, the military science program (MSL) is taken in conjunction with and supports your undergraduate or graduate degree. The MSL curriculum provides you with the necessary skills, attributes and experience to successfully lead in a civilian and/or military career. Courses and training are conducted on campus, in the local area or at military training facilities. Army ROTC also offers a variety of scholarships and financial incentives if you choose to commit to military service as an officer. MSL is divided into a basic course and an advanced course.

MSL Basic Course, 9 credits: Freshman level courses MSL 101, 102, and 111 introduce you to the Army profession and military leadership. Sophomore level courses MSL 201 and 202 focus on an experiential examination of leadership, decision making and group dynamics. This basic course will give you a basic understanding of the unique aspects of the officer corps, fundamentals of leadership and decision making, Army institutional values, and principles of individual fitness and healthy lifestyles. Lessons emphasize practical classroom exercises, inspire intellectual curiosity, and stimulate self-study. These classes can be taken during study abroad.

MSL Advanced Course, 16 credits: Prerequisite for the advanced course is the basic course or advanced placement credit. Components of the advanced course are: (1) junior level courses MSL 301 and 302 for advanced leadership and decision-making development; (2) Leader Development and Assessment Course (LDAC) described below; and (3) senior level courses MSL 401 and 402 with experiential learning to guide you through transition from cadet to Army officer. The lessons are sequenced, linked and progressive to target development of key officer/leader competencies. Cadets hold leadership positions throughout the semester and have significant responsibilities in planning and leading training. You must maintain a 2.0 GPA to receive a commission.

Advanced Placement Credit: You may request placement into the advanced course from the department chair provided you have completed either the Leader's Training course (LTC) described below or a basic training course with Military Occupational Skills assignment in one of the armed services. If approved you will receive a total of 8 credits with the completion of either MSL 101, 102, or 301 with a grade of C or better. If you are not intending to complete the ROTC program, you should take MSL 101 or MSL 102. If you are intending to complete ROTC, you should see the department prior to registering for a class.

Internships: Military Science offers two types of internships that may, with consent of the department chair and the department chair of your academic major, fulfill other academic internship requirements.

- a. **Leader's Training Course (LTC)** (no military obligation incurred). This paid, four-week course held at Fort Knox, Ky., is open to sophomores and juniors with four semesters of undergraduate study remaining who have not already completed a basic military training course in any of the armed services or the MSL basic course. The high adventure, activity-based training develops leadership, decision-making and management skills. Prerequisites are motivation, initiative and a drive for adventure. Upon completion you receive 8 credits and have the opportunity to enter the MSL advanced course to pursue a commission as a second lieutenant in the Army.
- b. **Leader Development and Assessment Course (LDAC)** (military service obligation required). This internship provides the single most important block of training and evaluation in the progression of an Army cadet. Throughout LDAC's 29 training days at Joint Base Lewis-McChord, Wash., you encounter stress-inducing physical and mental obstacles to challenge you as an individual and leader. You are immersed in an experiential learning environment with cadets from over 270 universities. LDAC uses small unit tactical training as the vehicle for further developing self-confidence and evaluating your leadership abilities and potential to serve as a commissioned officer. Prerequisites are completion of the MSL basic course, MSL 301, 302 and an Army contractual obligation for future service as a

commissioned officer in the active Army, Army Reserve or Army National Guard.

Military Science Minor

Consists of 28 credits.

1. Required: MSL 101*, 102*, 111*, 201*, 202*, 301, 302, 401, 402.
2. Electives: Three credits from HIST 219, 220, 318, 338, 354, 357, 358, 363, 364, 376, 390; POLI 383, 386.

*Complete these courses or receive credit through advanced placement (described above).

Courses in Military Science

MSL 101. Introduction to Military Leadership I. 1 cr. Introduction to Army profession and military leadership. Explore seven Army values and 16 Army leadership dimensions, plus core competencies critical to effective leadership such as time management, problem solving, decision making. Useful manager/leader skills whether military or civilian. Seminar format with practical exercises. Open to all students. 1 hr lec per wk. Prereq: Con reg in 111.

MSL 102. Introduction to Military Leadership II. 1 cr. Continuation of 101, expanding ability to apply problem-solving and decision-making processes and further develop military leadership and competency. 1 hr lec per wk.

MSL 111. Fall Leadership Lab. 1 cr. Off-campus weekend leadership orientation in a military environment with outdoor physical activities to support 101 curriculum. Includes pugil stick, obstacle course, rappelling and airborne tower training. Prereq: Con reg in 101. GDR: WL/AA

MSL 121. Fall Leadership Lab. 1 cr. Continuation of 111. Prereq: Con reg in 201. GDR: WL/AA

MSL 153. Advanced Physical Training. 1 cr. Techniques to improve muscular strength and endurance and cardio-respiratory capacity. Includes strength and aerobic exercises, water confidence training, distance running, military drills and team sports. Open to all students. GDR: WL/AA

MSL 154. Advanced Physical Training. 1 cr. Continuation of 153. GDR: WL/AA

MSL 201. Innovative Tactical Leadership. 3 cr. Identify successful leadership characteristics through practical exercises. Record observed traits/situations to illustrate concepts and apply situational leadership analysis. Develop personal leadership style. Includes physical training and leadership lab. 2 hrs lec, 2 hrs lab per wk. Optional con reg in 121. Prereq: 101, 102, or cons instr.

MSL 202. Leadership in Contemporary Military Environments. 3 cr. Includes team building, influencing action, effective communication for setting/achieving goals, importance of timing a decision, creativity in problem-solving process, obtaining team buy-in through immediate feedback. Transition for MSL Advanced Course. Physical training and leadership lab. 2 hrs lec, 2 hrs lab per wk. Prereq: 101, 102, 201, or cons instr.

MSL 222. Introduction to Basic Survival Skills. 2 cr. Learn basic skills necessary to conquer a wilderness survival situation such as navigating using a map and compass, field expedient methods of starting fire, constructing shelters out of available materials, and snaring small game. Develop an understanding of the psychology necessary to survive a life threatening circumstance. Learn how to plan and pack for a survival situation. Open to all students. 1 hr lec per wk. with practical exercise conducted over one weekend off campus.

MSL 250. Accelerated Cadet Commissioning Training. 1 cr. Establish foundation of basic U.S. Army military and leadership fundamentals as well as individual soldier skills and knowledge base for progression into Army ROTC advanced course.

MSL 301. Adaptive Team Leadership. 4 cr. Study, practice and evaluate adaptive leadership attributes, skills and actions through individual leader and small unit tactical scenarios. Receive systematic and specific feedback on leadership abilities. Prepare for Leader Development and Assessment Course (LDAC). Physical training and leadership lab. 2 hrs lec, 5 hrs lab per wk. Prereq: 101, 102, 201, 202, advanced placement, or cons chair.

MSL 302. Leadership and Ethical Decision Making. 4 cr. Increasingly intense situational challenges for leading small units. Explore, evaluate, develop skills in ethical decision-making and persuading/motivating team members when under pressure. Aspects of contemporary military operations to foster proficiency in leadership ability and to prepare for LDAC. How to think as a leader in today's military. Physical training and leadership lab. 2 hrs lec, 5 hrs lab per wk. Prereq: 301 or cons chair.

MSL 399. Special Work in Contemporary Military Leadership. 1-3 cr. Design individual study plan in consultation with MSL faculty. May repeat for 7 cr max. Prereq: Cons chair.

MSL 401. Building Adaptive Leaders. 4 cr. Develop proficiency to plan, conduct and assess complex operations; function as member of Army command and staff team. Teach, coach, mentor fellow cadets. Explore Army training management, methods of effective staff collaboration, and developmental counseling techniques. Physical training and leadership lab. 2 hrs lec, 5 hrs lab per wk. Prereq: 302 or cons chair.

MSL 402. Leadership in a Complex Security Environment. 4 cr. Dynamics of leading in complex situations of current military operations. Examine cultural influences in military operations, military law, laws for land warfare and rules for use of military force in asymmetric warfare. Aspects of interacting with nongovernmental organizations, civilians on the battlefield and host nation support. Completes transition from student/cadet to Army lieutenant. Physical training and leadership lab. 2 hrs lec, 5 hrs lab per wk. Prereq: 401 or cons chair.

Military Science Leadership Latent Courses: Not offered recently. See full course description in indicated (XX-XX) catalog.
112 Spring Leadership Lab, 1 cr, (05-07)
122 Spring Leadership Lab, 1 cr, (05-07)

MINORITY AND ETHNIC STUDIES

See [History](#) and [Sociology](#) and [Native American Studies](#).

Museum Techniques

(College of Letters and Science)

Ray Reser, Museum of Natural History
Room 106A, Learning Resources Center Building
Phone: 715-346-4888

Email: rreser@uwsp.edu or museum@uwsp.edu

Web: www.uwsp.edu/cols-ap/museum/Pages/support/default.aspx

This minor is currently not accepting new students.

Information about this minor can be found in the **2011-13**

Catalog at www.uwsp.edu/acadaff/Catalog%20PDF/2011-13finalcatalog.pdf

Music

(College of Fine Arts & Communication)

Patricia Holland, Chair
Room 254, Noel Fine Arts Center
Phone: 715-346-3107

Email: music@uwsp.edu

Web: www.uwsp.edu/music

Faculty: S Bender, S Berk, R Besalyan, S Bjella, J Bond, M Buchman, D Hastings, P Holland, R Korb, L Leviton, T McComb, P Miles, M Roseman, A Rosen, R Rosen, T Schwab, D Story, L Thayer, B Turney, D Wilhoit, C Young.

Mission Statement for Music

To provide a dynamic environment where innovation and leadership in creativity, teaching, performance, and advocacy set a new standard for education through music.

Professional Opportunities in Music

Our music programs prepare you for professional careers in a variety of areas including teaching, performance, composition, music business, music technology, music management, and other music-related occupations. The Bachelor of Music degree program offers four areas of emphasis: applied music, jazz studies, music education, and music literature. The Bachelor of Arts degree program offers a nondisciplinary music degree that incorporates studies in other disciplines for careers in many music-related professions.

Notes for Music:

1. Admission to the Department of Music as an undergraduate music major or minor is by audition. You must complete the music theory diagnostic test, and if you wish to major in music, you must be evaluated by piano faculty for placement.
2. Special music scholarships are available to high school seniors with outstanding talent in musical performance. These scholarships are awarded each spring on the basis of special auditions held before members of the music faculty. Contact the Music Department for dates, times, and other details.
3. Every music major must enroll, participate, and receive a passing grade in a major ensemble every semester except the student teaching semester.
4. String music education majors and string applied majors need four semesters of chamber ensemble.
5. See the Music Department "Silent Adviser" for recital attendance requirements.
6. The following organizations are open to all students: Pointer Pep Bands, Concert Choir or Choral Union, Wind Ensemble, Concert or Campus Band, Instrumental Jazz Ensemble, University Orchestra, and numerous small ensembles.
7. Course numbers listed below without a prefix or name are music courses.

Music Major (Bachelor of Arts)

Consists of a minimum of 46 credits.

1. Theory, 14 credits: 110, 111, 112, 113, 210, 212, 379. Placement exam required. If you have insufficient background, take 109 as prereq. An Oral presentation during your final year will satisfy the Capstone Experience requirement.

2. Applied music, minimum of 8 credits. Take 260-281 to satisfy 4 credits toward Communication in the Major requirement.
 - a. Major applied instrument, 8 credits. You must complete the 200 level of study on your major instrument before graduation.
 - b. Minor applied instrument, 0-6 credits. When piano is not your major applied instrument, complete 246 or Level 100 of applied piano.
3. Large ensemble, 1 credit per semester; required every semester enrolled. (See Note 3 above.) Piano majors: 1 cr of MUS 328 (taken in lieu of large ensemble upon course offering).
4. Music literature, 12 credits: 220, 221, 320, 321. Take 320 or 321 to satisfy 3 credits toward Communication in the Major requirement.
5. Music electives, 4 credits.
6. To graduate with this "liberal arts" music major, you must also complete a minor in an area other than music. We encourage you develop a plan for this minor with your adviser.
7. According to the requirements of the National Association of Schools of Music, if you are pursuing the Bachelor of Arts degree in music, you must complete at least 66 nonmusic credits.
8. Foreign Language: Complete a two-semester sequence of university entry-level world language courses (101, 102). The requirement may be fulfilled through equivalent coursework or other language acquisition as demonstrated through a test-out policy (including Native American languages and American Sign Language). If your native language is not English and you can document formal high school or university study of your native language, then you may use ENGL 101 and 202, or ENGL 150 as a means of fulfilling this foreign language requirement.

Performance Major (Bachelor of Music)

1. **Piano.** Admitted by audition only. Your performance proficiency will be reviewed at the end of your freshman year for permission to continue. In your first semester, with your applied teacher's approval, you may audition to enter the performance degree program in the second semester of the freshman year. You must perform a half recital in your junior year and a full recital in your senior year. You must complete the 400 level of study. The senior recital (460) satisfies the Capstone Experience requirement.
 - a. Applied music, 28 credits: 160 (4 cr); 260, 360, and 460 (24 cr). Take 460 to satisfy 4 credits toward Communication (oral) in the Major requirement.
 - b. Theory, 19 credits: 110, 111, 112, 113, 210, 212, 379; and 5 cr from 315, 317, 394 or 395, 410, 479. Placement exam required. If insufficient background, 109 is prereq.
- c. Music literature and history, 18 credits: 220, 221, 320, 321, 420, 421. Take 320 or 321 to satisfy 3 credits toward Communication (written) in the Major requirement.
- d. Piano pedagogy, 2 credits: 491.
- e. Required ensemble: 10 credits, 8 cr from large ensembles (1 cr per semester) and 1 cr each from 328 and 429. (See Note 3 above.)
2. **Voice.** Admitted by audition only. Your performance proficiency will be reviewed at the end of your freshman year for permission to continue. In your first semester, with your applied teacher's approval, you may audition to enter the performance degree program in the second semester of the freshman year. You must complete 246 or Level 100 of applied piano and complete the 400 level of study in voice. You must perform a half recital in your junior year in voice and give a senior recital. The senior recital (462) satisfies the Capstone Experience requirement.
 - a. Applied music, 28 credits: 162 (4 cr); 262, 362, and 462, (24 cr). Take 462 to satisfy 4 credits toward Communication (oral) in the Major requirement.
 - b. Theory, 20 credits: 110, 111, 112, 113, 210, 212, 317, 379; and 4 cr from 394, 410, 479. Placement exam required. If insufficient background, 109 is prereq.
 - c. Music literature and history, 18 credits: 220, 221, 320, 321, 323, 422. Take 320 or 321 to satisfy 3 credits toward Communication in the Major requirement
 - d. Vocal pedagogy, 2 credits: 492.
 - e. Large ensemble, 8 credits of 341 (1 cr per semester). (See Note 3 above.)
 - f. Opera workshop, 2 credits: 390.
 - g. Diction I and II, 2 credits: 302 and 303.
3. **String instrument.** Admitted by audition only. Your performance proficiency will be reviewed at the end of your freshman year for permission to continue. In your first semester, with your applied teacher's approval, you may audition to enter the performance degree program in the second semester of the freshman year. You must complete 246 or Level 100 of applied piano and complete the 400 level of study in your major instrument. You must perform a half recital in your junior year in your major instrument and give a senior recital. The senior recital (463-466) satisfies the Capstone Experience requirement.
 - a. Applied music, 28 credits: 163-166 (4 cr); 263-266, 363-366, and 463-466 (24 cr). Take 463-466 to satisfy 4 credits toward Communication (oral) in the Major requirement.
 - b. Theory, 23 credits: 110, 111, 112, 113, 210, 212, 315, 317, 379, and 5 cr from 395, 410, 479. Placement exam required. If insufficient background, 109 is prereq.
 - c. Music literature and history, 15 credits: 220, 221, 320, 321, and 426 or 427. Take 320 or 321

- to satisfy 3 credits toward Communication in the Major requirement
- d. String pedagogy, 2 credits: 496.
 - e. Large ensemble, 12 credits: 8 cr of 342 (1 cr per semester) and 4 cr of 131-431. (See Note 3 above.)
4. **Wind instrument.** Admitted by audition only. Your performance proficiency will be reviewed at the end of your freshman year for permission to continue. In your first semester, with your applied teacher's approval, you may audition to enter the performance degree program in the second semester of the freshman year. You must complete 246 or Level 100 of applied piano and complete the 400 level of study in your major instrument. You must perform a half recital in your junior year in your major instrument and give a senior recital. The senior recital (467-476) satisfies the Capstone Experience requirement.
- a. Applied music, 28 credits: 167-176 (4 cr); 267-276, 367-376, and 467-476 (24 cr). Take 467-476 to satisfy 4 credits toward Communication in the Major requirement.
 - b. Theory, 23 credits: 110, 111, 112, 113, 210, 212, 315, 317, 379; and 5 cr from 395, 410, 479. Placement exam required. If insufficient background, 109 is prereq.
 - c. Music literature and history, 15 credits: 220, 221, 320, 321, and 426 or 427. Take 320 or 321 to satisfy 3 credits toward Communication (written) in the Major requirement.
 - d. Woodwind or brass pedagogy, 2 crs: 493 or 494.
 - e. Large ensemble, 8 credits: 1 cr per semester. (See Note 3 above.)
5. **Percussion.** Admitted by audition only. Your performance proficiency will be reviewed at the end of your freshman year for permission to continue. In your first semester, with your applied teacher's approval, you may audition to enter the performance degree program in the second semester of the freshman year. You must complete 246 or Level 100 of applied piano and complete the 400 level of study in your major instrument. You must present a half recital in your junior year in your major instrument and give a senior recital. The senior recital (477) satisfies the Capstone Experience requirement.
- a. Applied music, 28 credits: 177 (4 cr); 277, 377, and 477 (24 cr). Take 477 to satisfy 4 credits toward Communication (oral) in the Major requirement.
 - b. Theory, 23 credits: 110, 111, 112, 113, 210, 212, 315, 317, 379, and 5 cr from 395, 410, 479. Placement exam required. If insufficient background, 109 is prereq.
 - c. Music literature and history, 15 credits: 220, 221, 320, 321, and 426 or 427. Take 320 or 321 to satisfy 3 credits toward Communication (written) in the Major requirement.
 - d. Percussion pedagogy, 2 credits: 495.

- e. Large ensemble, 8 credits: 1 cr per semester. (See Note 3 above.)

Jazz Studies Major (Bachelor of Music)

1. Theory, 18 credits: 110, 111, 112, 113, 210, 212, 291, 317, 379.
2. Creative techniques, 8 cr: 192, 292, 217, 392. Take 392 to satisfy 2 credits toward Communication in the Major requirement.
3. History and literature, 9 credits: 220, 305 and 321; and 3 cr from 221, 320.
4. Senior seminar, 2 credits: 418.
5. ONE of the following emphases:
 - a. **Performance Emphasis:** Admitted by audition only. Nonpiano majors must complete 246 or Level 100 in piano. Woodwind majors must demonstrate proficiency on two secondary instruments equivalent to 167, 169 and/or 171. All performance majors must present a junior half recital and a senior recital. The senior recital (483) satisfies the Capstone Experience requirement
 - 1) Applied music, 26 credits: 4 cr from 160, 162, 166-177, 181; 4 cr from 260, 262, 266-277, 281; 2 cr from 360, 362, 366-377, 381; 16 cr from 383, 483. Take 383, 483 to satisfy 4 credits toward Communication in the Major requirement.
 - 2) Required ensemble, 18 credits: 4 cr from 341, 342, 343 (1 cr per semester); enroll in 345 each semester; 6 cr from 123, 223.
 - b. **Composition/Arranging Emphasis:** Nonpiano majors take 247. If placed in private piano, complete Level 100 and 247. All composition majors must present a junior half recital and a senior recital. The senior recital (484) satisfies the Capstone Experience requirement
 - 1) Theory, 7 credits: 315, 394/395, 410.
 - 2) Composition/arranging, 8 credits from 384, 479, or 484. Take 384, 484 to satisfy 4 credits toward Communication in the Major requirement.
 - 3) Applied music, 10 credits: 4 cr from 160-181; 4 cr from 260-281; 2 cr from 360-381.
 - 4) Required ensemble, 14 credits: 4 cr from 341, 342, 343 (1 cr per semester); enroll in 345 each semester; 4 cr from 123, 223.

Music Education Major (Bachelor of Music)

There are three majors in music education (Early Childhood through Adolescence): (1) instrumental; (2) choral; and (3) general music. When you major in one area, you can complete "[add-on certification](#)" requirements in the other two. In addition, a noncertifiable [area of emphasis](#) is available in Suzuki talent education to complement the music education tracks.

Teacher Certification Note: Enrollment caps are in effect for those seeking teacher certification. Please contact the Music Department early for entrance requirements and application procedures. Also see the information about the Professional Education Program and the elementary and secondary education curricula for teacher certification in the [Education](#) section of this catalog. You must complete all requirements before you begin your student teaching/ internship semester.

1. **Instrumental (Early Childhood through Adolescence):**

- a. Refer to the “Secondary/K-12 Education” portion of the Education section earlier in this catalog for information about admission to the Professional Education Program and teacher certification requirements. NOTE: To graduate with a comprehensive Music Education – Instrumental major, completion of all teacher certification requirements, including student teaching in Music Education – Instrumental, is required.
- b. Music Ed, 18 cr: 201, 324, 326, 398 or 498, 400 to satisfy the Capstone Experience requirement. MUED 326, along with MUS 395, will satisfy the oral portion of the Communication in the Major requirement.
- c. Music, 61 credits (string music ed, 62 credits):
 - 1) Theory, 14 credits: 110, 111, 112, 113, 210, 212, 379. Placement exam required. If insufficient background, 109 is prereq.
 - 2) Orchestration, 2 credits: 315.
 - 3) Applied music, 10 credits: complete the 300 level of study on a band or orchestra instrument or piano. Perform in a juried public performance at approp level.
 - 4) Applied music (minor): MUS 246 or Level 100 in applied piano or complete the 200 level of study on a band or orchestra instrument if piano is the major instrument.
 - 5) Music literature, 12 cr: 220, 221, 320, 321. Either 320 (if your last name starts with A-L) or 321 (if your last name starts with M-Z) will satisfy the written portion of the Communication in the Major requirement.
 - 6) Instrumental methods, 10 credits: 152, 153, 155, 156, 157. (String majors must take 154 with 153 as prereq.) (Percussion majors may substitute 2 semesters of 138/238/348/438 for 155.)
 - 7) Vocal techniques, 1 credit: 150.
 - 8) Conducting, 4 credits: 317, 395. MUS 395, along with MUED 326, will satisfy the oral portion of the Communication in the Major requirement.
 - 9) Large ensemble, 7 credits min (1 cr per semester). Required every semester enrolled except student teaching. (See Note 3 above.) Piano majors: 1 cr from MUS 328 (taken in lieu of large ensemble upon course offering).

2. **Choral (Early Childhood through Adolescence):**

- a. Refer to the “Secondary/K-12 Education” portion of the Education section earlier in this catalog for information about admission to the Professional Education Program and teacher certification requirements. NOTE: To graduate with a comprehensive Music Education – Choral major, completion of all teacher certification requirements, including student teaching in Music Education – Choral, is required
- b. Music Ed, 16 credits: 201, 325, 398 or 498, 400 to satisfy the Capstone Experience requirement. MUED 325, along with MUS 394, will satisfy the oral portion of the Communication in the Major requirement.
- c. Music, 62 credits:
 - 1) Theory, 14 credits: 110, 111, 112, 113, 210, 212, 379. Placement exam required. If insufficient background, 109 is prereq.
 - 2) Vocal pedagogy, 2 credits: 492.
 - 3) Applied music (major), 10 credits: complete 300 level study in voice or piano. Perform in juried public performance at approp level.
 - 4) Applied music (minor): complete 200 level in voice or 247 in piano. If placed in private piano study, complete Level 100 and 247.
 - 5) Music lit, 14 crs: 220, 221, 320, 321, 322. Either 320 (if your last name starts with A-L) or 321 (if your last name starts with M-Z) will satisfy the written portion of the Communication in the Major requirement
 - 6) Conducting, 4 credits: 317, 394. MUS 394, along with MUED 325, will satisfy the oral portion of the Communication in the Major requirement.
 - 7) Large ensemble, 7 credits min (1 cr per semester); 341 required every semester enrolled except student teaching. (See Note 3 above.) Piano majors: 1 cr from MUS 328 (taken in lieu of large ensemble upon course offering).
 - 8) Additional ensemble, 2 credits: 130 and 390 (1 cr each).
 - 9) Diction, 2 credits: 302 and 303.

3. **General Music (K-12).**

- a. Refer to the “Secondary/K-12 Education” portion of the Education section earlier in this catalog for information about admission to the Professional Education Program and teacher certification requirements. NOTE: To graduate with a comprehensive Music Education – General major, completion of all teacher certification requirements, including student teaching in Music Education – General, is required
- b. Music Ed, 18 cr: 201, 323, 382, 398 or 498, 400 to satisfy the Capstone Experience requirement. MUED 201 and 382 will satisfy the oral portion of the Communication in the Major requirement.
- c. Music, 57 credits:

- 1) Theory, 14 credits: 110, 111, 112, 113, 210, 212, 379. Placement exam required. If insufficient background, 109 is prereq.
 - 2) Applied music (major), 10 credits: complete 300 level of study in voice, piano, or another instrument. Perform in juried public performance at appropriate level.
 - 3) Applied music (minor): Voice majors: complete 247. Instrumental majors: take 150 and pass voice evaluation. Complete 247 if not a piano major. If placed in private piano study, complete Level 100 and MUS 247.
 - 4) Music literature, 15 credits: 220, 221, 320, 321, and choice of 305 or 329. Either 320 (if your last name starts with A-L) or 321 (if your last name starts with M-Z) will satisfy the written portion of the Communication in the Major requirement
 - 5) Conducting, 2 credits: 317.
 - 6) Large ensemble, 7 credits min (1 cr per semester); required every semester enrolled except student teaching. (See Note 3 above.) Instrumental majors must complete 2 additional semesters of 341. Piano majors: 1 cr from MUS 328 (taken in lieu of large ensemble upon course offering).
 - 7) Diction, 1 credit: 302.
4. **Add-on certification areas.** We recommend that voice or piano majors complete both choral (Early Childhood through Adolescence) and general music (Early Childhood through Adolescence) tracks. If you are an instrumental major, you may also wish to expand your certification areas. Consult your adviser.
- a. **Instrumental (Early Childhood through Adolescence)** certification for choral or general majors:
 - 1) Major applied band or orchestra instrument: complete 200 level of study.
 - 2) Instrumental methods, 10 credits: 152, 153, 155, 156, 157. (String majors must take 154 with 153 as prereq. Percussion majors may substitute 2 semesters of 138-438 for 155.)
 - 3) Music education, 4 cr: 324, 326. Advanced instrumental conducting, 2 cr: 395. Large ensemble, 4 cr: 342 or 343.
 - 4) Student teaching, 5 cr min: MUED 398 or 498, 400.
 - b. **Choral (Early Childhood through Adolescence)** certification for instrumental or general majors:
 - 1) Voice applied: complete 200 level of study.
 - 2) Piano applied: 247.
 - 3) Large ensemble: 4 credits: 341.
 - 4) Small vocal ensemble, 1 credit: 130 and 390.
 - 5) Choral literature: 322.
 - 6) Choral conducting, 2 credits: 394.
 - 7) Vocal pedagogy, 2 credits: 492.
- 8) Methods: MUED 325.
 - 9) Student teaching, 5 cr min: MUED 398 or 498, 400.
- c. **General music (Early Childhood through Adolescence)** certification for instrumental or choral majors:
- 1) Voice applied: complete 100 level of study if a choral major or MUS 150 and voice evaluation if an instrumental major.
 - 2) Piano applied: 247.
 - 3) Large ensemble, 2 semesters: 341.
 - 4) Elementary methods, 2 crs: MUED 323.
 - 5) Secondary methods, 2 credits: MUED 382.
 - 6) Additional music history, 3 cr: 305 or 329.
 - 7) Student teaching, 5 cr min: MUED 398 or 498, 400.
5. **Suzuki Talent Education, Area of Emphasis.** Special interest area that does NOT lead to certification, 9 credits: MUED 384, 385, 386, 426.

Music Literature Major (Bachelor of Music)

1. Theory, 14 credits: 110, 111, 112, 113, 210, 212, 379. Placement exam required. If insufficient background, 109 is prereq.
2. Theory electives, 4 credits from 315, 317, 394, 395, 410, 479.
3. Applied music (major), 12 credits: complete 300 level of study on major instrument and 246 or Level 100 of applied piano.
4. Large ensemble, 8 credits (1 cr per semester) from 341, 342, 343. (See Note 3 above.) Piano majors: 1 cr from MUS 328 (taken in lieu of large ensemble upon course offering).
5. Music literature. 34 credits:
 - a. Required, 25 credits: 327, 428 to satisfy the Capstone Experience requirement (each 2 cr), 220, 221, 320, 321, 326, 329, 427 (each 3 cr). Either 320 (if your last name starts with A-L) or 321 (if your last name starts with M-Z) will satisfy the written portion of the Communication in the Major requirement. Take 427 to satisfy the oral portion of the Communication in the Major requirement.
 - b. Electives, 9 cr from 301, 305, 307, 308, 309, 322, 323, 420, 421, 422, 424, 426 (each 3 cr).

Music Minor

Consists of 22-24 credits:

1. Theory, 8 credits: 110, 111, 112, 113. Placement exam required. If insufficient background, 109 is prereq.
2. Applied lessons, 4 credits: 160-181 (2 cr per semester). Note: Concurrent enrollment in 144, 341, 342, or 343 required.
3. Large ensemble, 2 semesters: 144, 341, 342 or 343.
4. Music electives, 8 credits, selected from at least two of the following groups: (MUS 100, 102, 103, 105,

109; MUED 201, 381 do not count toward music minor.)

- a. Theory/composition courses.
 - b. Conducting courses.
 - c. Music history and literature courses.
 - d. Music education courses.
 - e. Small or large ensembles.
 - f. Jazz studies: performance, history, or analysis.
 - g. Private applied or class applied.
5. Recital attendance requirement, no credit. See the Music Department student handbook.

If you are interested in a music minor, please contact the Music Department and consult with a music adviser regarding your musical objectives, music electives, and the recital attendance requirement.

Instrumental Music Performance Certificate Program

The Instrumental Music Performance Certificate is a non-degree program designed for students looking for intensive studies in instrumental music, as both a soloist and an ensemble performer. While pursuing a degree in a field other than music, you will develop your skills as a performer with weekly private lessons with music department faculty, and will perform in large and small group ensembles. Working with your studio teacher, you design a course of study selecting academic music courses that focus on your interests, rather than following the prescribed traditional music degrees tracks.

This program is intended for incoming first-year students who have an extensive background and training in music performance but will be majoring in a discipline outside of the Music Department. *Students already in their first or second year may audition for the program only through special circumstances and exceptions.*

Admission requirements:

1. Successfully audition for entrance to the Music Department; typically this audition is in February or March of your senior year of high school
2. Supply two letters of recommendation
3. Submit a 250-500 word essay on how this certificate program's core principle supports ongoing value to combining a high level of study in a creative field with your major field of study.

The program:

Consists of 30 credits:

1. Applied Lessons – 20 credits minimum with a suggested 2 credits per semester in the first year.
2. Ensembles – 8 credits minimum. Students enrolled in applied lessons must also enroll in a major instrumental ensemble as assigned by the appropriate director and applied studio teacher.
3. Recital Performance – MUS 498 Pass/Fail - 1 credit

4. Special Topics – MUS 450 – 1 credit. Upon completion of this capstone experience, you will be able to demonstrate through writing and oral communication how this certificate program's core principle supported ongoing value to combining a high-level of study in a creative field with your major field of study. This portion of the certificate program may be offered as part of the required recital performance.
5. You must maintain a minimum 3.50 GPA in all music classes.
6. You must be in good standing in your primary degree program each semester.

Academic Standards for Music Major

1. Permission to register, placement, and exceptions to the requirements are subject to the approval of the instructor and the chair.
2. Meet all major requirements for bachelor of music degree OR bachelor of arts degree.
3. To graduate with a major in music you must have a minimum 2.0 cumulative grade point average (2.75 to student teach) in all required major courses, including transfer courses, regardless of any declaration of academic bankruptcy. You may repeat courses in the major if you follow course repeat policy found in the [More Academic Information](#) section of this catalog.
4. Courses in music are open to all students who meet the prerequisites.

Test-Out, Credit-by-Exam, and Music Placement for Music

If you are seeking advanced placement in music general degree requirement courses by testing out of a course or by gaining credit through exam, see the coordinator of the specific area in which the course is offered.

If you are from a UW College, while not required, we strongly encourage you to take the placement exams in musicianship and music history to determine the proper course you should take in those areas. If you are transfer-ring from institutions outside the UW System, you are required to take musicianship and music history exams.

We require all music education students to meet with the coordinator of music education before registering for upper level music education courses.

Courses in Music

Also see [Music Education](#) (next section).

MUS 100. Appreciation and History of Music. 3 cr. Development of music, stressing the elements of music understanding and intelligent listening; form and design in composition. Does not count toward music major/minor or bachelor's degrees in music. GDR: HU1; GEP: HU

MUS 101. Appreciation of Music in Performance. 3 cr. Music appreciation; art of listening to and critiquing live music performances. Class lectures, in-class demonstrations/performance, required attendance at public concerts. Does not count toward music major/minor.

MUS 102. Popular Music in America. 1-3 cr. Music of America's people, past and present: the great jazz and folk movements, Broadway musical theatre, film music; recording, publishing, broadcasting. Does not count toward music major/minor, or bachelor's degree in music. Subtitle designates area. May repeat for credit with different subtitle.

MUS 103. Music in Film. 3 cr. Study music in film from silent era to present. Trace evolution of film music from honky-tonk piano accompaniment of silent film through classically inspired music of '30s and '40s to the present; might include pop, electronic, and Third World music. How music enhances film and molds viewers' perception. Does not count toward music major/minor. GDR: HU1; GEP: HU

MUS 105. Survey of Jazz History. 3 cr. History and literature of jazz from beginnings to present. Sociological impact of the music and musicians responsible for creating this American art form. Does not count toward music major/minor. GDR: HU1, MNS; GEP: HU, USD

MUS 109. Songwriting. 2 cr. Students of varying backgrounds study basic music theory, demonstrate lyric writing and composition techniques, analyze songs from various styles and periods and create original songs using standard music notation. GEP: ART

MUS 110. Musicianship I. 3 cr. Review theory fundamentals. Introduction to applied skills, analysis, and composition of tonal music. Prereq: Placement exam or 109; con reg in 112.

MUS 111. Musicianship II. 3 cr. Extension of applied skills, analysis, and composition in the tonal idiom, including modulation and chromaticism. Prereq: 110, 112, and con reg in 113.

MUS 112. Aural Musicianship I. 1 cr. Introduction to aural musicianship. Prereq: Placement exam or 109; con reg in 110.

MUS 113. Aural Musicianship II. 1 cr. Extension of aural musicianship skills. Prereq: 110, 112, con reg in 111.

MUS 123-138. Small Ensembles I. 1 cr each. May repeat for credit. Prereq: Cons instr.

123–Chamber Jazz; 124–Pit Orchestra; 126–Improvisation Ensemble; 130–Vocal; 131–String; 132–Flute; 133–Clarinet; 134–Saxophone; 135–Mixed Woodwind; 136–Low Brass; 137–Mixed Brass; 138–Percussion.

MUS 142. Campus Orchestra. 1 cr. Opportunity for nonmusic majors to continue playing in a musical organization for enrichment. No audition required. May repeat for credit. Must play a string instrument. GEP: ART

MUS 144. Campus Band. 1 cr. Opportunity for nonmusic majors to continue playing in a musical organization (concert band) for enrichment. No audition required. May repeat for credit. Prereq: Must play a band instrument. GEP: ART

MUS 145. Pep Band. 1 cr. Performance ensemble for nonmusic and music majors to promote school spirit and crowd participation at university and athletic events. No audition required. May repeat for credit. Prereq: Play a pep band instrument.

MUS 146. Group Piano I. 2 cr. Keyboard skills for the nonpianist music major. Beginning skills in technique, reading, harmonization, transposition, selected repertoire and improvisation. Prereq: Audition. GEP: ART

MUS 147. Group Piano II. 2 cr. Keyboard skills for the nonpianist music major. Extension of skills in technique, reading, harmonization, transposition, selected repertoire and improvisation. Prereq: 146 or audition. GEP: ART

MUS 150. Vocal Techniques for Instrumentalists. 1 cr. Class participation and observation. Prereq: Instrumental or general music ed major; con reg in MUS 341 if seeking general licensure.

MUS 152. Instrumental Methods: Single Reeds. 2 cr. Class participation/observation. Prereq: Instrumental music ed major.

MUS 153. Instrumental Methods: Violin/Viola/Cello/String Bass. 2 cr. Class participation and observation. Prereq: Instrumental music ed major; 152; or cons instr.

MUS 154. Instrumental Methods: Violin (sec 1), Cello (sec 2). 1 cr. Class participation and observation. Prereq: Instrumental music ed major; 152, 153; or cons instr.

MUS 155. Instrumental Methods: Percussion. 2 cr. Class participation and observation. Prereq: Instrumental music ed major; 152, 153; or cons instr.

MUS 156. Instrumental Methods: Brass. 2 cr. Class participation and observation. Prereq: Instrumental music ed major; 152, 153, 155; or cons instr.

MUS 157. Instrumental Methods: Double Reeds/Flute. 2 cr. Class participation and observation. Prereq: Instrumental music ed major; 152, 153, 155, 156; or cons instr.

MUS 160-181. Applied Music I. 2 or 4 cr each. Individual instruction for music majors and minors (may be repeated). Concurrent enrollment in 341, 342, or 343 required. Normally taken for 2 credits; 4 credit lessons available with permission of applied instructor and department chair. Prereq: Cons chair.

160–Piano; 161–Organ; 162–Voice; 163–Violin; 164–Viola; 165–Violoncello; 166–Double Bass; 167–Flute; 168–Oboe; 169–Clarinet; 170–Bassoon; 171–Saxophone; 172–Trumpet; 173–Horn; 174–Trombone; 175–Euphonium; 176–Tuba; 177–Percussion; 178–Harp; 181–Jazz Guitar.

MUS 192. Jazz Improvisation I. 2 cr. Fundamentals of jazz improvisation with respect to scale/chord relationships. Focus on standard chord progressions using ii-V-I's as well as the twelve bar blues. Prereq: 110/112 or cons instr.

MUS 193. Music Improvisation. 2 cr. Applied improvisation using jazz, aleatory, chance, and free improvisation. Prereq: Basic proficiency on a musical instrument, an understanding of improvisation in other media, or cons instr.

MUS 210. Musicianship III. 3 cr. Extension of applied skills, analysis, and composition in chromatic idiom. Prereq: 111, 113, con reg in 212.

MUS 212. Aural Musicianship III. 1 cr. Advanced aural musicianship skills. Prereq: 111, 113, and con reg in 210.

NOTE: If you fail or receive an incomplete in applied musicianship courses (112, 113, 212), you may enroll for the next course in the sequence with permission of the theory faculty, provided that you repeat the failed course, or remove the incomplete in the same semester.

MUS 217. Beginning Jazz Arranging. 2 cr. Introduction to jazz arranging styles for small and large ensembles. Prereq: 111 or cons instr.

MUS 220. Introduction to Music Literature. 3 cr. Survey non-Western and early Western (pre-1600) music; skills for studying music, including listening and research skills. Uses of music in diverse non-Western and Western groups. GDR: HU1, NW; GEP: GA, HU

MUS 221. 17th- 18th Century Music. 3 cr. Musical idioms and styles of Baroque and Classical periods; development of new forms; relationship of music to general culture of period. GDR: HU1; GEP: HU

MUS 223-238. Small Ensembles II. 1 cr each. Same listing as MUS 123-138 at sophomore level. May repeat for credit. Prereq: 123-138.

MUS 246. Group Piano III. 2 cr. Keyboard skills for the nonpianist music major. Extension of skills in technique, reading, harmonization, transposition, selected repertoire and improvisation, including introduction to open-score reading. Prereq: 147 or audition. GEP: ART

MUS 247. Group Piano IV. 2 cr. For BM jazz composition/arranging majors; BME vocal/choral majors; and general music add-on certification. Skills in open-score reading, hymn textures, harmonization, transposition and accompaniments. Prereq: 246 or 160.

MUS 260-281. Applied Music II. 2 or 4 cr. Same listing as 160-181 at sophomore level. Individual instruction for music majors (may be repeated). Concurrent enrollment in 341, 342, or 343 required. Normally taken for 2 credits; 4 credit lessons available by audition or with permission of applied instructor and department chair. Prereq: 160-181, cons chair.

MUS 291. Jazz Keyboard Techniques. 2 cr. Basic keyboard skills in chord voicing, accompanying, and chord/scale relationships. Prereq: 210 or cons instr.

MUS 292. Jazz Improvisation II. 2 cr. Study and apply chord/scale relationships with respect to minor iiø-V7 (alt)-I progressions, as well as syntactic approaches to modal forms and unconventional harmonic sequences. Prereq: 192 or cons instr.

MUS 300. Music International. 2 or 3 cr. Music in performance in overseas study program. Attendance at performances supplements attention to backgrounds, development of various forms, and masterworks of various periods. Counts toward bachelor of music degree and music minor. Prereq: Jr st or cons instr. GDR: HU1

MUS 301/501. History of Women in Music. 3 cr. The contribution of women as composers, performers, authors, and teachers throughout European and American history. GDR: HU1; GEP: HU

MUS 302. Diction for Singers I. 1 cr. Introduction to international phonetic alphabet (IPA) and its application to singing Latin, Italian, and English song repertoire. 1 hr lec, 1 hr lab per wk. Prereq: Cons instr.

MUS 303. Diction for Singers II. 1 cr. Application of International Phonetic Alphabet (IPA) to German and French song repertoire. 1 hr lec, 1 hr lab per wk. Prereq: 302 or cons instr.

MUS 305/505. Jazz History for Musicians. 3 cr. History of jazz from its genesis to present. Focus on important artists as well as social, political and technological effects on music. GDR: HU1, MNS; GEP: HU, USD

MUS 307/507. Survey of World Music. 3 cr. Survey of world music with reference to specific musics from four cultural groups. Lec, disc, and hands-on experiences. Prereq: Cons instr. GDR: HU1, NW; GEP: GA, HU

MUS 308. Survey of Film Music. 3 cr. Critical study of film music from silent era to present. May take as elective toward music major/minor. Prereq: Music major/minor.

MUS 315. Orchestration. 2 cr. Orchestral instruments: their ranges, playing characteristics, physical properties, history, and advisable use. Prereq: 110.

MUS 317. Conducting. 2 cr. Conducting techniques for vocal and instrumental groups; experience in conducting through class laboratory situations. Prereq: 110.

MUS 320/520. 19th Century Music. 3 cr. Musical styles and idioms of the Romantic period, 1825-1900; origins, development, rise of new forms, relationship of music to general culture of period. GDR: HU1; GEP: HU

MUS 321/521. 20th Century Music. 3 cr. Trends of 20th century music from historical and theoretical standpoints. Survey literature; develop aural and written theoretical skills pertaining to 20th century music. Prereq: 210, 212.

MUS 322. Choral Literature. 2 cr. Survey significant choral compositions from Renaissance to present, with stylistic understanding.

MUS 323/523. Opera History. 3 cr. Opera history from 1600 to present, with masterworks from each period. GDR: HU1; GEP: HU

MUS 326/526. Music Before 1600. 3 cr. History, literature, and stylistic trends of music from the Greeks to 1600. GDR: HU1; GEP: HU

MUS 327/527. Music Reference and Research Techniques. 2 cr. Introduction to musical scholarship and writing projects in music history-literature, theory, and musicology; also bibliographical survey of reference materials. Prereq: 211-212, 220, 221, and cons instr.

MUS 328/528. Studio Accompanying. 1 cr. For intermediate and advanced pianists; develop accompanying skills in vocal and instrumental music; required for all piano emphasis majors. Fulfills one major ensemble credit; taken in lieu of major ensemble upon course offering except for applied majors. Prereq: 160 or Cons piano faculty.

MUS 329/529. American Music. 3 cr. From pilgrims to present; emphasis on jazz and ethnic music, and their influence on contemporary music. GDR: HU1; GEP: HU

MUS 330-338/530-538. Small Ensemble III. 1 cr each. May repeat once for credit. Prereq: 230-238.

330-Vocal; 331-String; 332/532-Flute; 333/533-Clarinet;
334/534-Saxophone; 335/535-Mixed Woodwind;
336/536-Low Brass; 337/537-Mixed Brass;
338/538-Percussion.

MUS 341/541. Large Ensemble: Choir. 1 or 2* cr. May repeat for credit. Prereq: Audition or cons instr. GEP: ART

MUS 342/542. Large Ensemble: Orchestra. 1 or 2* cr. May repeat for credit. Prereq: Audition or cons instr. GEP: ART

MUS 343/543. Large Ensemble: Band. 1 or 2* cr. May repeat for credit. Prereq: Audition or cons instr. GEP: ART

MUS 345/545. Jazz Ensemble. 1 or 2* cr. May repeat for credit. Prereq: Audition or cons instr. GEP: ART

*For 341/541, 342/542, 343/543, 345/545 above: Choice of 1 or 2 credits; may be taken for 2 credits with permission of instructor and additional responsibilities.

MUS 359-384. Applied Music III. 2 or 4 cr. Individual instruction for music majors (may be repeated). Concurrent enrollment in 341, 342, or 343 required. Normally taken for 2 credits; 4 credits lessons available by audition or with permission of applied instructor and department chair. After acceptance to jazz studies program, jazz studies majors fulfill the large ensemble requirement with MUS 345. Prereq: 260-281, cons chair.

359-Harpsichord (Prereq: completion of 200-level piano proficiency and cons instr);360-Piano; 362-Voice; 363-Violin; 364-Viola;365-Violoncello; 366-Double Bass; 367-Flute; 368-Oboe; 369-Clarinet; 370-Bassoon; 371-Saxophone; 372-Trumpet; 373-Horn; 374-Trombone; 375-Euphonium; 376-Tuba; 377-Percussion; 378-Harp; 379-Composition; 381-Jazz Guitar; 383-Jazz; 384-Jazz Composition.

MUS 390. Opera Workshop. 1 cr. Practical experience in training the singer/actor. May repeat for credit.

MUS 392/592. Analytical History of Jazz Improvisation. 2 cr. Chronological study of improvised jazz solos on major instrument including transcription, analysis and performance of selected recordings. Prereq: 292 or cons instr.

MUS 394. Advanced Choral Conducting. 2 cr. Conducting and rehearsal techniques with emphasis on the relationship between gesture and interpretation of the score; experience in conducting the university choral ensembles. Prereq: 317.

MUS 395. Advanced Instrumental Conducting. 2 cr. Experience in selecting, conducting, and rehearsing instrumental music suitable for use in elementary and secondary schools; emphasis on performance problems unique to band and orchestra instruments; required performance on secondary instruments. Prereq: 317.

MUS 410. Form and Analysis. 3 cr. Survey of musical forms through Beethoven, in context of their contribution to musical style, with analysis techniques useful in performance, score preparation, and teaching. Prereq: 211, 213.

MUS 418. Senior Seminar. 2 cr. Topics for the professional jazz musician, including jazz pedagogy, music business and role of technology in music. Prereq: sr st.

MUS 420/620. Piano Literature I. 3 cr. Keyboard literature from 1700 to 1825 including major composers and their contributions.

MUS 421/621. Piano Literature II. 3 cr. Keyboard literature from 1825 to present with emphasis on major composers and their contributions.

MUS 422/622. Song Literature. 3 cr. Study solo vocal literature from 1500 to present. Prereq: Cons instr.

MUS 426/626. Chamber Music. 3 cr. Survey chamber music including string quartet literature and other instrumental chamber ensembles.

MUS 427/627. Symphonic Music. 3 cr. Survey symphonic music, including symphony literature & symphonic program music. GDR: HU1; GEP: HU

MUS 428. Senior Project in Music Literature. 2 cr. Culminating experience. With minimal guidance, produce research project in musicology or ethnomusicology. Prereq: Music lit major, sr st, 327.

MUS 429. Piano Chamber Ensemble. 1 cr. Study and perform chamber music. Weekly coaching sessions with piano faculty; performance in student recital. Required for applied piano degree. Prereq: Cons instr.

MUS 430-438. Small Ensemble IV. 1 cr each. May repeat once for credit. Prereq: Cons instr.

430-Vocal; 431-String; 432-Flute; 433-Clarinet;
434-Saxophone; 435-Mixed Woodwinds; 436-Low Brass;
437-Mixed Brass; 438-Percussion.

MUS 450/650. Special Topics in Music. 0-3 cr. Topics in Music. Subtitle will designate area and prerequisites. May repeat with different subtitle. Prereq: cons instr.

MUS 460-484. Applied Music IV. 2 or 4 cr. Same listing as 360-384 at senior level. Individual instruction for music majors (may be repeated). Concurrent enrollment in 341, 342, or 343 required. After acceptance to the jazz studies program, jazz studies majors fulfill the large ensemble requirement with MUS 345.

Prereq:

360-384 and cons chair.

MUS 491/691. Piano Pedagogy. 2 cr. Effective skills in private and class piano; discuss and perform piano literature; observe class and private instruction. Prereq: Complete piano level 200.

MUS 492. Voice Pedagogy. 2 cr. Introduction to vocal teaching methods. Prereq: Cons instr.

MUS 493. Woodwind Pedagogy. 2 cr. Methods of teaching woodwind instruments and specific problems of each instrument. Prereq: Complete 300 level study.

MUS 494. Brass Pedagogy. 2 cr. Methods of teaching brass instruments and specific problems of each instrument. Prereq: Complete 300 level study.

MUS 495. Percussion Pedagogy. 2 cr. Percussion literature and reference material including method books, textbooks, and publisher sources. Prereq: Complete percussion level 200.

MUS 496. String Pedagogy. 2 cr. Techniques employed by master string teachers of the past and present, including literature and music available for string instruction at all levels, in both private and class situations. Prereq: Cons instr.

MUS 498. Recital. 0-1 cr. A public solo performance, the repertoire approved by the major applied professor. The performance must be acceptable to faculty in the applied area. Prereq: cons instr.

MUS 499. Special Work. Upperclass music majors may arrange for independent study with cons chair. Credit based on scope of project devoted to theory, conducting, composition, orchestration, or music history.

MUS 711. Theory. 3 cr. Structure and materials of music, in which analysis is related to the performance and interpretation of music; musical materials drawn from small forms, 1650-1900.

MUS 712. Form and Analysis. 3 cr. Musical forms from all periods, with emphasis on structural analysis.

MUS 760-782. Artist Course in Applied Music. 2 cr each. Expand repertoire and develop musicianship. For studio pedagogy and Suzuki, elect large ensemble (541, 542, or 543) or studio accompanying (piano students only, 528) concurrently.

760-Piano; 761-Organ; 762-Voice; 763-Violin; 764-Viola;
765-Violoncello; 766-Double Bass; 767-Flute; 768-Oboe;
769-Clarinet; 770-Bassoon; 771-Saxophone; 772-Trumpet;
773-Horn; 774-Trombone; 775-Baritone; 776-Tuba;
777-Percussion; 779-Composition; 781-Jazz Guitar;
782-Keyboard Synthesizer.

MUS 796. Independent Study. 1-3 cr. Planned study to supplement preparation in area of specialization.

Music Latent Courses: Not offered recently. See full course description in indicated (xx-xx) catalog.

122/222 Small Ensembles I, Vocal Jazz, 1 cr, (03-05)

125/225 Small Ensembles I, Studio Orchestra, 1 cr, (01-03)

140 Oratorio Chorus, 2 cr, (93-95)

143 Marching Band, 1 cr, (93-95)

149 Class Applied Music—Guitar, 2 cr, (01-03)

151 Class Applied Music—Voice, 2 cr, (93-95)

159 Group Piano for Elementary Teacher, 2 cr, (07-09)

180/280/380/480/780: Applied Music I-Classical Guitar,
2cr (93-95)

261/361/461/761: Applied Music I—Organ, 2 cr, (93-95)

309 Historical Analysis of American Popular Music, 3 cr,
(07-09)

311 Advanced Theory II, 3 cr.

319 Introduction to Music Business, 2 cr, (11-13)

344/544 Large Ensemble: Vocal Jazz, 2 cr, (95-97)

349 Service Playing Techniques, 2 cr, (93-95)

359 Applied Music III-Harpsichord, 2 or 4 cr, (07-09)

397 Collab Arts Performance Workshop, 1 cr, (01-03)

417/617 Advanced Jazz Arranging Techniques, 2 cr, (01-03)

424/624 History and Literature of Wind Ensemble Music, 2 cr,
(07-09)

459 Applied Music IV—Harpsichord, 2-4 cr, (01-03)

502 Diction for Singers I, 1 cr, (07-09)

503 Diction for Singers II, 1 cr, (07-09)

515 Orchestration, 2 cr, (07-09)

519 Introduction to Music Business, 2 cr, (07-09)

530 Small Ensemble III-Vocal, 1 cr, (07-09)

531/631 Small Ensemble III—String, 1 cr, (01-03)

629 Piano Chamber Ensemble, 1 cr, (01-03)

630/632/633/634/635/637/638: Small Ensemble IV,
1 cr (01-03)

636 Small Ensemble I, Low Brass, 1 cr, (01-03)

722 Mass, Motet, and Contata, 2 cr, (89-91)

778 Applied Music I-Harp, 2 cr, (07-09)

Courses in Music Education

MUED 201. Introduction to Music Education. 1 cr. Introduction to philosophy of music education. 2 hrs per wk; observe and participate in public school music classes. Prereq: MUS 110, 112.

MUED 323. Elementary Methods: General Music. 2 cr. Theory and application of general music teaching skills in primary/intermediate grades; classroom observations. Prereq: 201 or cons instr.

MUED 324. Elementary School Instrumental Music Teaching Techniques. 2 cr. Theory and application of instrumental teaching skills in primary and intermediate grades; relationship to public school music and general curriculum; classroom observation. Prereq: 201 and 156; or cons instr; for music major/minors only.

MUED 325. Secondary Methods: Choral. 2 cr. Methods, materials and curricular organization of choral music in junior and senior high schools; teaching and rehearsal strategies. Prereq: 201, 322, 394 or cons instr. For music majors only.

MUED 326. Secondary School Instrumental Music Teaching Techniques. 2 cr. Methods, materials, curricular organization, and teaching strategies for instrumental music in high school. Prereq: 324 or cons instr; for music major/minors only.

MUED 381. Music in the Elementary School. 3 cr. Theory, techniques, teaching skills in primary and intermediate grades; music fundamentals for each grade; aims and content of public school music in relation to general curriculum. Does not count toward music major/minor. GEP: ART

MUED 382. Secondary Methods: General Music. 2 cr. Theory and application of general music teaching skills in the secondary school; objectives, materials, planning, and testing. Prereq: 201 or cons instr.

MUED 383/583. Music Education Workshop. 1-3 cr. Materials, methods, and curricular developments in music education and performance pedagogy. Subtitle will designate area and prerequisites.

MUED 384/584. Suzuki Talent Education Pedagogy. 1 cr. Foundations of Suzuki Talent Education philosophy and pedagogical system as a practical approach to developing musical ability in children; pedagogical skills to establish a positive learning environment; discussion, observation and video materials. Individual music performance not required. (May be registered with SAA.)

MUED 385/585. Suzuki Workshop I. 3 cr. Apply techniques and repertoire of Suzuki method at the elementary level; individual performance and observation of children required. Prereq: 384/584 or cons instr. (May be registered with SAA.)

MUED 386/586. Suzuki Workshop II. 2 cr. (Sec 1, violin; Sec 2, piano) Apply techniques and repertoire of Suzuki method beyond the elementary level; individual performance and observation of children required. Prereq: 385/585 or cons instr. (May be registered with SAA.)

MUED 387/587. Survey of Suzuki Talent Education. 2 cr. (Sec 1-Level I, may repeat once for credit; Sec 2-Level II; Sec 3-Level III; Sec 4-Level IV; Sec 5-Level V; Sec 6-Level VI; Sec 7-Level VII; Sec 8-Level VIII.) Study Suzuki talent education philosophy and repertoire and apply to teaching at designated levels including performance and observation of children. (May register with SAA.)

MUED 389/589. Principles of Adult and Continuing Music Education. 2 cr. Needs and characteristics of adult learners in music; strategies to develop learning and performance enterprises in community settings. Prereq: 201 or cons instr.

MUED 390. Music for Exceptional Children. 2 cr. How to use music with children who are mentally retarded, emotionally disturbed, learning disabled, or gifted, or who have visual, hearing, speech, or motor impairments; techniques and materials. Prereq: 323; EDUC 351/551.

MUED 398. Student Teaching in Music. 4-12 cr., pass/fail. Observation and teaching in elementary and/or secondary classroom under guidance of cooperating teachers and university faculty. Prereq: Con reg in 400; completion of music major, DPI, and education requirements.

MUED 400. Seminar on Teaching. 1 cr, pass/fail. Structured group discussion on aspects of teaching and professional portfolio development. Prereq: Con reg in 398 or 498.

MUED 465/665. Literature of Suzuki Talent Education I. 3 cr. (Sec 1, violin; Sec 2, piano) Survey performance and teaching literature; graded performance and technical materials; leads to advanced level training. Ability to demonstrate musical/ technical concepts required. Prereq: 385/585 or cons instr. (May be registered with SAA.)

MUED 466/666. Literature of Suzuki Talent Education II. 3 cr. (Sec 1, violin; Sec 2, piano) Continuation of 465/665. Prereq: 465/665 or cons instr. (May be registered with SAA.)

MUED 498. Intern Teaching. 4-12 cr., pass/fail, pass/fail. Structured field experiences in approved school programs. Interns are certified by DPI and are employed under contract with schools to design, deliver, and assess instructional programs in grades n-k-12. Prereq: Complete all methods courses and 75% content courses in approp major. Con reg in 400.

MUED 723. Music Literature for Junior/Senior High Schools. 3 cr. Select and present classic and modern literature for young people; styles and form and their implications for teaching.

MUED 751-762. Pedagogical Techniques for Music Teachers. 2 cr each. Designed to assist the experienced teacher.

752-Violin; 753-Low Strings; 756-Clarinet; 758-Trumpet; 759-Horn; 760-Low Brass; 761-Percussion; 762-Guitar.

MUED 786. Seminar in Music Education I. 3 cr. Aesthetic and philosophical foundations of music education; current trends in educational thought and their implications for music education.

MUED 787. Seminar in Music Education II. 3 cr. Psychological foundations of music education; develop teaching objectives; current trends in methodology.

MUED 788. Seminar in Music Education III. 3 cr. Aesthetics, philosophical and practical foundations of Suzuki talent education, its techniques and teaching objectives.

MUED 791. Piano Pedagogy. 3 cr. Effective skills in private and class piano; discuss and perform piano literature; observe class and private instruction. Prereq: Complete piano level 200.

MUED 792. Voice Pedagogy. 3 cr. Vocal teaching methods. Prereq: Cons instr.

MUED 793. Woodwind Pedagogy. 3 cr. Methods of teaching woodwind instruments and specific problems of each instrument. Prereq: Complete 300 level study or equiv.

MUED 794. Brass Pedagogy. 3 cr. Methods of teaching brass instruments and specific problems of each instrument. Prereq: Complete 300 level study or equiv.

MUED 795. Percussion Pedagogy. 3 cr. Percussion literature and reference material including method books, textbooks, and publisher sources. Prereq: Complete 300 level of study or equiv.

MUED 796. String Pedagogy. 3 cr. Techniques employed by master string teachers of the past and present, including literature and music available for string instruction at all levels, in both private and class situations. Prereq: Complete 300 level study or equiv.

MUED 797. Performance, Methods, and Materials. 2 cr.

MUED 799. Thesis. 2-6 cr.

Music Education Latent Courses: Not offered recently. See full course description in indicated (xx-xx) catalog.

424/624 Survey of Choral Literature, 2 cr, (01-03)
 425/625 Survey of Instrumental Literature, 2 cr, (01-03)
 427/627 Workshop in Jazz Pedagogy, 2-3 cr, (01-03)
 485/685 Band Pageantry, 2 cr, (01-03)
 486/686 Instrument Repair, Tuning, etc., 2 cr, (01-03)
 487/687 Theory/Practice Piano Tune/Repair, 2 cr, (01-03)
 710 Theory for Jr & Sr High Schools, 3 cr, (01-03)
 750 Pedagogical Technique-Piano, 2 cr, (01-03)
 751 Pedagogical Technique-Voice, 2 cr, (07-09)
 754 Pedagogical Technique-Flute, 2 cr, (01-03)
 755 Pedagogical Technique-Double Reeds, 2 cr, (07-09)
 757 Pedagogical Technique-Brass, 2 cr, (01-03)
 781 New Developments in Elementary Music, 3 cr, (01-03)
 783 Problems in Curriculum and Supervision, 3 cr, (01-03)
 784 Choral Rehearsal Techniques, 3 cr, (01-03)
 785 Instrumental Rehearsal Techniques, 3 cr, (01-03)
 798 Residency, 1-6 cr, (01-03)

MUSIC LITERATURE

See *Music*.

MUSICAL THEATRE

See *Theatre and Dance*.

Native American Studies

(College of Letters and Science)

Sonny Smart, coordinator
 Room 448, Collins Classroom Center
 Phone: 715-346-3748

Email: ssmart@uwsp.edu

A minor in *Native American studies* is interdepartmental and is administered by the Department of Sociology and Social Work in the College of Letters and Science.

Native American Studies Minor

Consists of a minimum of 18 credits:

1. Required, 6 credits: ANTH 125 or EDUC 305, and HIST 288/388.
2. Electives: 12 or more credits from ANTH 339, 345, 371, 393; ENGL 280; HIST 382; IA 306; PHIL 381; REL 316; SOC 364.

Natural Resources, College of (CNR)

Christine L. Thomas, Dean
 Paul Doruska, Associate Dean for Academic Affairs
 Brian Sloss, Associate Dean for

Outreach/Extension/Extramural Grants
 Room 100, Trainer Natural Resources Building
 Phone: 715-346-4617

Email: cnr@uwsp.edu

Web: www.uwsp.edu/cnr

CNR Student Success Center, 180 CNR,
715-346-4081

Susan M. Kissinger, Advising/Recruitment Coordinator

The College of Natural Resources offers degrees in fisheries and water resources, forestry, paper science and engineering, resource management, soil and waste resources, and wildlife ecology. These degree programs with a variety of options are described under the appropriate headings in the following pages.

We offer majors and/or minors in captive wildlife, conservation biology, environmental communication, environmental education interpretation, environmental education for elementary middle school teachers, environmental law enforcement, fisheries, forest administration and utilization, forest ecosystem restoration and management, forest management, forest recreation, hydrology, international resource management, land use planning, natural resources social and policy sciences, resource management, soil and land management, soil science, sustainable energy, urban forestry, waste management, water resources, wildland fire science, wildlife, wildlife education, wildlife ecology and management, and youth programming and camp management.

To major in any of these areas, you must also meet the **General Education Program** requirements listed earlier in this catalog. In addition:

1. In order to be prepared to take most of the courses numbered 300 and above in the College of Natural Resources, you will need to complete the introductory natural resources courses (NRES 150, 151, 250, 251), and a CNR Summer Field Experience courses before the beginning of your junior year.
2. The courses you take to fulfill a specific major or minor must be approved by an adviser in that discipline before you graduate. Therefore, it is imperative that you work with an adviser when choosing courses.
3. You may not use the pass/fail option for any courses required for your major or minor.

Abbreviations

CIS = Computer Information Systems

COMM = Communication

CWES = Central Wisconsin Environmental Station

ECON = Economics

EE/I = Environmental Education/Interpretation

GISSA = Geographic Information Systems and Spatial Analysis

NRES = Natural Resources

POLI = Political Science

Academic Standards for the College of Natural Resources

You must apply for official acceptance as a College of Natural Resources major before the beginning of your junior year. Requirements for acceptance to the fisheries and water resources, forestry, resource management (in

the human dimensions of natural resource management discipline) or soil and waste resources major are:

1. Complete 45 university credits.
2. Have at least a 2.00 grade point average in courses required for the major.
3. Complete an application to the College of Natural Resources. We will notify you within four weeks of your application, and if accepted will assign an adviser. Certain 300-400 level courses are restricted to approved CNR and/or biology majors. Nonmajors must have written consent of instructor to enroll.
4. If you are transferring to UW-Stevens Point to major in the College of Natural Resources, Wildlife Ecology excepted, you must have a cumulative grade point average of at least 2.00. To be accepted as a CNR major, complete steps 1-3 above.

Wildlife Ecology is a limited-enrollment major.

Please consult the Wildlife Ecology portion of the catalog for admissions and acceptance guidelines specific to that major.

To be retained as a major or minor and to be approved for graduation, you must meet the minimum grade point average established for your discipline in all UW-Stevens Point courses taken within the major or minor (2.75 to student teach in resource management), including transfer courses, regardless of any declaration of academic bankruptcy. Minimum GPA by discipline:

- a. 2.0 GPA for paper science and engineering.
- b. 2.25 GPA for all majors and minors in the human dimensions of natural resource management discipline with the exception of the Wildland Fire Science option of the Resource Management major.
- c. 2.50 GPA for all options of fisheries and water resources, all options of forestry, all options of wildlife ecology, all options of soil and waste resources, and the Wildland Fire Science option of the Resource Management major.

Test-Out and Credit-by-Exam Policy for the College of Natural Resources

The College of Natural Resources offers credit-by-exam for all of its courses. The comprehensive exam for each course will be written and drawn from lecture and/or lab topics normally covered in the course.

If you wish to take an exam for credit, first confer with the CNR associate dean for academic affairs. Then confer with the faculty member who most recently taught the course. The faculty member will notify you in writing with any pertinent information about the exam including the required minimum passing score before you take the exam. You will receive your grade in writing within two weeks after taking the exam. Results will be forwarded to the Office of the Registrar if credit-by-exam is granted. You may take a test-out exam only once.

MASTER OF SCIENCE DEGREE IN NATURAL RESOURCES

See the [Graduate](#) section of this catalog.

FISHERIES & WATER RESOURCES

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Academic Standards for Fisheries & Water Resources

To graduate with a major or minor in fisheries and water resources you must have 2.5 minimum cumulative grade point average.

Fisheries and Water Resources Major (Bachelor of Science)

The fisheries and water resources bachelor of science degree prepares you for a career or graduate study in fishery science or management, aquatic biology, hydrology, hydrogeology (groundwater), laboratory analysis of water and environmental samples, aquatic toxicology, and the assessment and management of water resources. You must select one of three options below: Fisheries, 102-108 credits; Hydrology, 93-99 credits; or Water Resources, 91-97 credits.

Fisheries Option of the Fisheries and Water Resources Major

The fisheries option prepares you for employment in consulting firms or state, tribal or federal resource management agencies where you would be involved in manipulating fishery resources through regulating human use, managing aquatic habitat, and stocking. With a BS degree in fisheries you will likely begin your professional employment as a limited term employee. An MS degree will greatly increase employment potential and job responsibilities in fisheries. If you complete the requirements for the fisheries option with a grade of C or better in all required courses, you will have completed the minimum course requirements for certification by the American Fisheries Society as a certified fisheries professional. For more information about certification see www.fisheries.org/afs/certification/shtml.

Consists of 102-108 credits.

1. Fisheries and aquatic sciences, 27 credits: NRES 250; BIOL 374, 375; WATR 353, 387, 388, 483, 484.
2. Biological sciences, 20 credits: NRES 151, BIOL 130, 160, 210, 381.

3. Physical sciences, 19-24 credits: NRES 251; CHEM 105 and 106 or CHEM 117, 221; PHYS 201, 202.
4. Mathematics and statistics, 8 credits: MATH 111 or 120, and 355 or 356.
5. Human dimensions, 9 credits: NRES 150, 372; PHIL 380.
6. Water resources electives, 12 credits: Any water resources courses not already specified above. No more than 6 credits of WATR 381 may be used to fulfill this requirement.
7. Communication in the Major is satisfied by earning credit in WATR 483 and 484.
8. Capstone Experience is satisfied by earning credit in WATR 484.
9. Professional Field Experience, 7-8 credits: Option A or B (below).

Hydrology Option of the Fisheries and Water Resources Major

The Hydrology option prepares you for a career or graduate study in hydrology water resources management, land conservation, and environmental engineering. Hydrology graduates frequently gain employment with environmental consulting firms and state, federal, tribal, and local resource management agencies and are involved in land planning, resource protection, and civil works.

Consists of 93-99 credits.

1. Hydrology, 24 credits: WATR 382, 383, 388, 389, 390, 493; GEOG 279; NRES 377.
2. Biological Sciences, 12 credits: BIOL 130 or 160; NRES 151, 250.
3. Chemical sciences, 5-10 credits: CHEM 105 and 106 or CHEM 117.
4. Physical Sciences, 15 credits: GEOL 104; NRES 251; PHYS 201, 202.
5. Math and Statistics, 12 credits: MATH 120, 121, 355.
6. Human dimensions, 9 credits: NRES 150, 372; PHIL 380.
7. Water resources electives, 9 credits: Select from Water Resource courses, 300-level or higher. No more than 6 credits of WATR 381 may be used to fulfill this requirement.
8. Communication in the Major is satisfied by earning credit in WATR 390 and 493.
9. Capstone Experience is satisfied by earning credit in WATR 493.
10. Professional Field Experience, 7-8 credits: Option A or B (below).

Water Resources Option of the Fisheries and Water Resources Major

In the water resources option you develop a flexible program of courses with your adviser to prepare you for one or more career paths. You can emphasize the physical, chemical or biological aspects of water resource management or combinations thereof. The breadth of electives allows you to complete a minor in such areas as chemistry, soil science, geographic information systems and spatial analysis, or land use

planning that will enhance and focus your career opportunities. Graduates are normally employed by environmental consulting firms, or by county, state, tribal or federal resource management agencies that are involved in protecting and managing the quality and quantity of water resources.

Consists of 91-97 credits.

1. Water resources, 13 credits: WATR 388, 389, 390; select three credits from 462, 482 or 493.
2. Natural resources, 22 credits: NRES 150, 151, 250, 251, 372; PHIL 380.
3. Chemical sciences, 5-10 credits: CHEM 105 and 106, or CHEM 117.
4. Biological sciences, 5 cr: BIOL 101 or 130 or 160.
5. Physical sciences, 6 cr: GEOG 279; GEOL 104.
6. Mathematics and statistics, 8 credits: MATH 111 or 120, and 355.
7. Science electives: Select any 15 credits from the following: MATH 121, PHYS 101, 201, 202; any biology, chemistry, geology or soils courses that are not taken to satisfy other requirements.
8. Water electives, 12 credits: Select from any water courses numbered 300 or above that are not taken to satisfy other requirements. No more than 6 credits of WATR 381 may be used to fulfill this requirement.
9. Communication in the Major is satisfied by earning credit in WATR 390 and three credits from WATR 462, 482, or 493.
10. Capstone Experience is satisfied by earning three credits from WATR 462, 482, or 493.
11. Professional Field Experience, 7-8 credits: Option A or B (below).

Professional Field Experience

Choose one:

- A. Field techniques in Natural Resources, 7 credits: FOR 319, 320; NRES 405; SOIL 359, 360; WLDL 340; WATR 380.
- B. European summer program, 8 credits: NRES 475.
- C. The Field Techniques in Natural Resources satisfies the Experiential Learning GEP requirement. For more information, see the [GEP](#) section of the Catalog.

Water Resources Minor

Consists of 23 credits:

1. NRES 251; WATR 388, 389, 390.
2. Other water courses, 6 credits.
3. Select 3 credits from BIOL 305, 333, 338, 347, 375, NRES 377, 474, 477, WSTE 380.

Courses in Water

WATR 220. Global Climate Change and Water Resources, 10th Century to Present. 3 cr. Effects of global warming on world water resources. Climate change in the past millennium. Case studies including Africa, India, North and South America, China and Japan. How availability of water has shaped culture, agriculture, and diet. How past and present stressors to available water have been dealt with in different regions. May not earn credit in both WATR 220 and NRES 220. (I, II) GDR: EL, NW; GEP: ER

WATR 324. Invasive and Exotic Species. 3 cr. Biotic and abiotic factors influencing invasions of native and exotic species including social, political and economic concerns. May not earn credit in both WATR 324 and NRES 324. GDR: EL; GEP: ER (II)

WATR 338/538. Phycology. 4 cr. Taxonomy, morphology, and ecology of algae especially local species. Field collections, small group experiments, lab analysis of field and cultured samples, and discussion of current algal research literature. 3 hrs lec, 3 hrs lab per wk. Prereq: BIOL 130, CNR or biology major or written cons instr. (Also offered as BIOL 338/538.) (I)

WATR 350. Current Issues in Water Resources. 1-3 cr.

Technological, social, economic aspects of current water resource issues. Subtitle will designate topic. May repeat for credit under different subtitles. (I, II)

WATR 353/553. Wildlife and Fish Population. 4 cr. Mathematical, analysis of fish population dynamics and demographics. Use of sampling and models for estimating survival, growth, recruitment, and abundance in fish populations. May not earn credit in both WATR 353 and WLDL 353. Prereq: NRES 250; BIOL 160; MATH 111 and 355. (I, II)

WATR 360/560. Wetlands Ecology and Management. 3 cr.

Investigate physical, chemical, and biological processes of wetlands and how these processes relate to the maintenance and enhancement of our nation's natural resources. Study wetland functions and values and wetland habitat classification systems. May not earn credit in both WATR 360 and WLDL 360. Prereq: NRES 150, 151, 250, 251, and Field Techniques in Natural Resources or cons. instr. (II)

WATR 366/566. Wetland Soils. 1 cr. Characteristics of hydric soils including chemistry, morphology, genesis and classification; hydrology of wetlands; field observation and application of federal and regional guidelines to identify hydric soils. Prereq: NRES 251. May not earn credit in both WATR 366/566 and SOIL 366/566. (I)

WATR 367/567. Wetland Delineation. 1 cr. Review procedures required for identifying and delineating wetlands for permit review. Prereq: NRES 251. May not earn credit in both WATR 367/567 and SOIL 367/567. (II)

WATR 380. Field Experience in Aquatic Ecosystem Evaluation.

1 cr. Fishery, limnological, and hydrological evaluation; lake and stream inventory and evaluation for integrated resource mgt. Prereq: NRES 250, 251; 2.00 GPA in major, CNR or biology major or written cons instr. (SUM)

WATR 381/581. Internship in Water. 1-12 cr. Supervised training program in watershed management, fisheries, or water quality, in cooperation with private or public resource agencies. 1 cr for 2-4 wks (40 hrs per wk) of work. Credits and/or addl requirements set before registration. May repeat once for 12 cr max. Prereq: FOR 319, 320, WLDL 340, SOIL 359, 360, WATR 380; or NRES 475; 2.00 GPA in major; and/or cons intern director; CNR or biology major or written cons instr. (I, II, SUM)

WATR 382/582. Water and Wastewater Treatment. 3 cr. Theory, practice and regulatory framework of water and wastewater treatment with a focus on control and design of physical, chemical and biological treatment processes. May earn credit in only one of WATR 382/582, WSTE 382/582 and PSEN 382/582. Prereq: NRES 251 or PSEN 110. (I)

WATR 383/583. Hydrogeology. 3 cr. Occurrence and movement of groundwater in the geologic environment; response of aquifers to pumping wells; groundwater resource exploration, and management. 2 hrs lec, 2 hrs lab per wk. May not earn credit in both WATR 383 and GEOL 383. Prereq: GEOL 101 or 104, NRES 250, 251, MATH 120, CNR or biology major or written cons instr. (I)

WATR 384/584. Life History of Fishes. 3 cr. Life histories of North American fishes as juveniles and adults. Discussion of life history traits including longevity, growth, maturation, fecundity, behavior, movements, and reproductive strategies. Life history considerations in fisheries management and conservation. Prereq: NRES 250

WATR 386/586. Aquaculture/Fish Culture. 3 cr. Introduction to the culture of finfish, methods of production, environmental and ecological considerations, selective breeding, nutrition, diseases, processing and marketing. 2 hrs lec, 2 hrs lab per wk. Prereq: BIOL 101 or 160, 210.

WATR 387/587. Aquatic Insects. 3 cr. Life histories, ecology, behavior, taxonomy and identification of lotic and lentic aquatic insects. Field collections of aquatic insects and discussions of habitat preferences and water quality influences. 2 hr lec, 2 hrs lab per wk. Prereq: BIOL 160, CNR or biology major or written cons instr. (I)

WATR 388/588. Limnology. 3 cr. Physical, chemical, and biological phenomena of freshwater communities. Prereq: CNR or biology major or written cons instr. (I, II)

WATR 389/589. Hydrology. 3 cr. Physical basis of surface and subsurface water occurrence and flow; measurement, analysis, and prediction of hydrologic phenomena using statistics and geographical information systems. 2 hrs lec, 2 hrs lab per wk. Prereq: NRES 250, 251; MATH 355; GEOG 279; CNR or biology major or written cons instr. (I, II)

WATR 390/590. Water Chemistry and Analysis. 4 cr. Measure and interpret chemical characteristics of water resources in human-dominated landscapes. Prereq: 389; CHEM 106 or 117; CNR or biology major, or written cons instr. (I, II)

WATR 405/605. Advanced Stream Field Techniques. 2 cr. Advanced field techniques to survey stream geomorphology and measure channel hydraulics and sediment transport. Field methods include but are not limited to installation of pressure transducers and development of rating curves, use of Helley-Smith bed load samplers, and discharge and shear stress measurements using acoustic Doppler equipment. Includes one required field station experience. Prereq: Cons instr.

WATR 420/620. Stream Hydrology, Habitat, and Restoration. 3 cr. Assessment, management and restoration of natural stream channels; channel hydrology, habitat assessment, and restoration methods. Field and analytical skills. 2 hrs lec, 2 hrs lab per wk.

WATR 454/654. Design of Constructed Wetlands. 1 cr. Design and construction of wetland areas for water quality control. Prereq: 389 or con reg, admis to CNR, cons instr.

WATR 462/662. Environmental Biogeochemistry. 3 cr. Theory, concepts and methods available to quantify biogeochemical cycles in atmospheric, terrestrial and aquatic ecosystems will be introduced. Used learned theory and advanced analytical biogeochemical techniques to plan, develop and conduct a major project. A professional-level oral presentation of project outcomes will culminate the course. May not earn credit in both WATR 462 and SOIL 462. Prereq: CHEM 106 or 116; SOIL 364 or WATR 390; or written cons instr.

WATR 482/682. Biological Assessment of Water Quality. 3 cr. Assessment and effects of physical and chemical pollution in the aquatic environment. Project oriented application of laboratory assays and field assessments and their interpretation using bacteria, invertebrates, aquatic plants and fish. 2 hrs lec, 2 hrs lab per wk. Prereq: 388, 390. (I)

WATR 483/683. Fisheries Research. 3 cr. Introduction to field and laboratory fishery research. Principles of designing research projects, testing hypotheses, sampling fish, analyzing fishery data, reporting results in both written and oral forms, and defending research. Prereq: 481; BIOL 374; CNR Summer Field Experiences; CNR or biology major or written cons instr. (I)

WATR 484/684. Fisheries Management. 3 cr. Principles used in the assessment and management of aquatic habitats, fish populations, and human users, as they influence production of fish in inland waters. Prereq: 388; BIOL 374; CNR Summer Field Experiences; CNR or biology major or written cons instr.

WATR 487/687. Groundwater Geochemistry. 3 cr. Factors and processes controlling the chemistry of subsurface waters including mineral solubility, complexation, redox reactions, ion exchange, and absorption; also hydrochemical behavior of contaminants. 3 hrs lec per wk. May not earn credit in both WATR 487 and GEOL 487. Prereq: CHEM 106 or 116; GEOL 101 or 104; NRES 250, 251; CNR or biology major or written cons instr. (II)

WATR 492/692. Advanced Techniques of Environmental Analysis. 3 cr. Theory and application of instrumental methods used in monitoring environmental samples for organic and inorganic compounds; laboratory quality control, sample preparation, data handling; gas and liquid chromatography, mass spectrometry, atomic absorption and inductively coupled plasma spectroscopy, autoanalyzer use. 1 hr lec, 4 hrs lab per wk. Prereq: CHEM 248, WATR 390 or SOIL 364, CNR/biology major or written cons instr. (II)

WATR 493/693. Advanced Hydrologic Analysis. 3 cr. Detailed analysis, prediction, and modelin gof hydrologic, phenomenon and land use impact using GIS and hydrologic statistical tools. Prereq: 389 or con reg 389 or written cons instr. (GEOG 279, 476 or 479 suggested).

WATR 494/694. Environmental Toxicology and Risk Assessment. 3 cr. Introduction to effects of environmental contaminants on aquatic and terrestrial organisms including humans. Impacts of contaminants on fisheries and rationale for health advisories. Survey of contemporary literature. 2 hrs lec, 2 hrs lab/disc per wk. (II)

WATR 499. Special Work. 1-3 cr. Upperclass water resources students may arrange for independent study with cons assoc dean. Credit based on scope of project. Prereq: CNR/biology major or written cons instr. (I, II)

WATR 750. Water Resources in Society. 1-3 cr. Examination and explanation of use and management of water resources. Prereq: Certified elementary/secondary teachers only.

WATR 755. Multivariate Statistics in Fish and Wildlife Research. 3 cr. Quantitative application and interpretation of multivariate statistics in managing complex ecological phenomena in terrestrial and aquatic environments. Prereq: MATH 355, 455/655, or cons instr.

WATR 760. Water Resources and the Science, Policy, and Politics of Climate Change. 2 cr. Overview of underlying theory of climate change on water resources. Discussion of climate change politics and policy.

WATR 784. Advanced Studies in Fish Management. 3 cr. Advanced techniques of fishery data analysis, with practical uses of mathematical and statistical methods in fishery science and management.

Water Latent Courses: Not offered recently. See full course description in indicated (xx-xx) catalog.

450/650	Hydrologic Modeling for Planning and Design, 1 cr, (13-14)
451/651	Agricultural Hydrologic Planning and Design, 1 cr, (13-14)
452/652	Urban Hydrologic Planning and Design, 1 cr, (13-14)
475/675	Groundwater Management, 1 cr, (05-07)
479	Contaminant Hydrogeology, 3 cr, (05-07)
485/685	Ecology Freshwtr Benthic Indicator Organisms, 3 cr, (05-07)
486/686	Fish Culture, 2 cr, (01-03)
495/695	Apply Computer Modeling to Hydrogeology, 3 cr, (05-07)
496/696	Environmental Toxicology, 2 cr, (11-13)
733	Fish Habitat Analysis, Design and Modeling, 3 cr, (13-14)
780	Advanced Water Analysis, 3 cr, (03-05)
785	Issues in Water Law, 3 cr, (01-03)
789	Advanced Hydrology, 3 cr, (03-05)

FORESTRY

Richard Hauer, Coordinator
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Web: www.uwsp.edu/forestry

Faculty: L Anderson, K Burns, J Conrad, J Cook, M Demchik, P Doruska, J DuPliissis, R Hauer, S Kissinger, R Masters, H Petrillo, V Phillips, N Timilsina, M Vokoun, L Werner.

Accreditation: The educational programs in forest administration and utilization, forest management, forest recreation, and urban forestry leading to the bachelor of science professional degree in forestry are accredited by the Society of American Foresters (SAF). The Council of Higher Education Accreditation recognizes SAF as the specialized accrediting body for forestry education in the United States.

Definition: Forestry is the science, art, and practice of creating, managing, using, and conserving forests and associated resources. Biological, quantitative, managerial, and social sciences are applied to forest management and conservation in urban and rural environments.

Objectives of the Forestry Program

- To provide a sound undergraduate program of forestry education.** The core of required forestry courses is based on standards for professional training established by the Society of American Foresters. Our program adds flexibility to help meet your professional objectives through the selection of collateral courses and specialized training.
- To support and enhance the other majors in the College of Natural Resources and other academic programs of the university.** The philosophy of the College of Natural Resources emphasizes the oneness of the environment. To that end all majors in the college require training in forestry, soils, water, and wildlife. You can combine minors or concentrations in these other disciplines with your forestry major to enhance your qualifications as a forestry professional.
- To pursue new knowledge.** Research is the basis of the graduate program. Research primarily in applied forestry is allied to the undergraduate program.
- To apply contemporary forestry knowledge through continuing education and extension.** The forestry program serves as a center for the exchange of knowledge through sponsorship of symposia, workshops, and seminars on contemporary subjects for forestry professionals and forest landowners.
- To develop professionalism and an esprit de corps among students, alumni, and faculty.** The faculty encourages continuing participation in professional and university activities by coordinating activities with the Society of American Foresters, the student chapter, local chapters, sections of the society, and the university alumni association.

Academic Standards for Forestry

To graduate with a major or minor in forestry, you must have a minimum cumulative grade point average of 2.50.

Forestry Major (Bachelor of Science)

- Major study and approved electives total 132 credits.
- One summer of adviser approved forestry internship or employment.
- Required courses, 59 credits:

- FOR 232, 321, 322, 327, 332, 425, 432, 449; NRES 150, 151, 250, 251, 372.
 - BIOL 130; ECON 110; GEOG 279; PHIL 380.
 - Field Techniques in Natural Resources: FOR 319, 320, NRES 405, SOIL 359, 360, WATR 380, WLDL 340; or NRES 475.
- Complete ONE of five following collateral options:
 - Forest Management** (46-47 credits)
 - Natural Science: CHEM 101 or 105 and one course from BIOL 160; CHEM 106; PHYS 101, 201, 203, 204; GEOL 104.
 - MATH 109 or 111, 112; FOR 329, 370, 433, 436; select one class from either FOR 331, 335, 385, or 444; 4 credits of 324, 424, 426; NRES 377; BIOL 350 with BIOL 130 and CHEM 101 or 105 accepted as prereqs; NRES 320.
 - Electives: select 6 credits from FOR 324*, 325, 331, 335, 336, 339, 381 (1-3 cr), 385, 392, 394, 424*, 426*, 428, 431, 434, 435, 444, 480, 485, 493; GEOG 476; NRES 323, 388, 459, 465, 473, 474; SOIL 361; WATR 389, 493; WLDL 451. (*If not taken to meet 4a2 above.)
 - Communication in the Major is satisfied by earning credit in FOR 329, 432, and NRES 320.
 - Capstone Experience is satisfied by earning credit in FOR 432.
 - Forest Administration and Utilization** (50-53 credits)
 - Natural Science: CHEM 101 or 105 and one course from BIOL 160; CHEM 106; PHYS 101, 201, 203, 204; GEOL 104.
 - MATH 109 or 111, and 112.
 - ACCT 210; BUS 320, 240 or 340; NRES 320.
 - FOR 329, 370, 436; select one class from either FOR 331, 335, 385, or 444.
 - Two courses from FOR 428, 429, 433;
 - NRES 377.
 - Electives: At least 6 adviser approved credits from 300-400 level forestry, natural resources, business, economics courses; 200-400 level accounting courses; 100-400 level paper science and engineering courses.
 - Communication in the Major is satisfied by earning credit in FOR 329, 432 and NRES 320.
 - Capstone Experience is satisfied by earning credit in FOR 432.
 - Urban Forestry** (50-51 credits)
 - Natural Science: CHEM 101 or 105 and one course from BIOL 160; CHEM 106; PHYS 101, 201, 203, 204; GEOL 104.
 - MATH 109 or 111, 112; FOR 331, 335, 342, 385, 395, 424, 426, 431, 435, 444; NRES 320; BIOL 350 with BIOL 130 and CHEM 101 or 105 accepted as prereqs.

- 3) Electives: 6 credits from BUS 320, 324, 340, 343; FOR 324, 336, 339, 381 (1-3 cr), 436, 480, 485; BIOL 346; GEOG 476; NRES 335, 336, 377, 388, 389, 457, 459, 474, 495; POLI 250, 304, 358; SOC 357; SOIL 361.
 - 4) Communication in the Major is satisfied by earning credit in FOR 444 and NRES 320.
 - 5) Capstone Experience is satisfied by earning credit in FOR 444.
- d. **Forest Recreation** (47-51 credits)
- 1) Natural Science: CHEM 101 or 105 and one course from BIOL 160; CHEM 106; PHYS 101, 201, 203, 204; GEOL 104.
 - 2) MATH 109 or 111, 112; FOR 324, 331 or 444, 334, 335, 385, 394, 426, 480, 485; NRES 320; 2-3 credits from NRES 367, 368; 3 credits from COMM 240, 280, ENGL 248, 254, 351, 354, NRES 369.
 - 3) Electives: 5-6 credits from FOR 336, 339, 342, 381 (1-3 cr), 424, 430, 431, 433, 444; GEOG 476; NRES 335, 377, 388, 389, 392, 393, 473, 474, or any 300-400 level wildlife course beyond WLDL 320, excluding 340.
 - 4) Communication in the Major is satisfied by earning credit in FOR 485 and NRES 320.
 - 5) Capstone Experience is satisfied by earning credit in FOR 485.
- e. **Forest Ecosystem Restoration and Management** (50-51 credits) NOTE: Enrollment cap is in effect for this option. Consult the forestry coordinator for advising information and application criteria.
If you pursue this option, we highly recommend that you plan to continue your education with an advanced degree.
- 1) Natural Science: Select one course from the following: CHEM 101, 105, 106; PHYS 101, 203, 204.
 - 2) MATH 111, 112, FOR 324; SOIL 361; NRES 320, 457, 458 (or WLDL 458), 459; WATR 388 or WATR 360 or WLDL 360.
 - 3) BIOL 160, 342, 345, 377;
 - 4) 3 credits from NRES 377; GEOG 476, 479.
 - 5) At least 3 credits from BIOL 308, 338, 347, 355, 374, 378; FOR 426; WATR 360, 387, 388*, 482; NRES 462; WLDL 360*, 451 (*If not taken to meet 4e2 above).
 - 6) Communication in the Major is satisfied by earning credit in NRES 320 and 459.
 - 7) Capstone Experience is satisfied by earning credit in NRES 459.

Forestry Minor

Consists of 26 credits

1. FOR 232, 322, 332, 425, 432, 449; NRES 250.
2. Select remaining credits from FOR 319, 320, 321, 324, 325, 327, 331, 335, 350, 385, 394, 395, 424, 426, 433, 444, 493; NRES 323, 371, 372; SOIL 361; WATR 493.

Forest Recreation Minor

Consists of at least 27 credits:

1. FOR 331, 334, 335, 381 (3 cr), 394, 480, 485; 2-5 credits from NRES 367, 368, 369, COMM 306, 307.
2. Five credits from the following: FOR 324, 385, 444; NRES 320, 393, 474, 478; WLDL (any 300-400 level course beyond 320 and excluding 340).

FOREST RECREATION CONCENTRATION IN THE BUSINESS ADMINISTRATION MAJOR

See [Business and Economics](#) earlier in this catalog.

Forestry Transfer Students

If you are transferring here from an accredited institution to pursue a degree in forestry, you must complete at least 21 credits of 300 and 400 level UW-Stevens Point forestry courses.

Courses in Forestry

FOR 224. Fire Operations. 1 cr. Fire control techniques, tactical planning, fire crew supervision, safety procedures, and proper use and maintenance of equipment for management of prescribed burns and control and suppression of wildland fires. After completing this course and a WDNR firefighting training session, you may apply for WDNR firefighter's certification. (I)

FOR 232. Dendrology and Silvics. 3 cr. Ecology and classification of common upper Midwest trees and shrubs. Prereq: BIOL 130 and NRES 151. (I)

FOR 311/511. Amenity Forestry: Forest Recreation. 1 cr. Recreation as a major land use. Overview of meaning and importance of recreation and issues concerning the demand for recreation opportunities. Prereq: CNR Summer Field Experiences or cons instr. (II)

FOR 312/512. Amenity Forestry: Landscape Aesthetics. 1 cr. Principles and application of landscape aesthetics to management of forests for nontimber values. Prereq: CNR Summer Field Experiences or cons instr. (II)

FOR 313/513. Amenity Forestry: Introduction to Urban Forestry. 1 cr. Examine historical uses of trees in urban environment; benefits derived from urban forests; need for and components of sound urban forestry management planning. Prereq: CNR Summer Field Experiences or cons instr. (II)

FOR 319. Land Surveying. 1 cr. Practices in land surveying, including distance and angular measurement, area computation and mapping, stadia, notekeeping, and deed searching for integrated resource management. Prereq: NRES 250; 2.00 GPA in major, CNR major or written cons instr. GEP: XL (SUM)

FOR 320. Field Experience in Forest Measurement. 1 cr. Apply forest measurement techniques and ecological relationships for integrated resource management. Prereq: NRES 250; 2.00 GPA in major, CNR major or written cons instr. GEP: XL (SUM)

FOR 321/521. Forest Biometry. 4 cr. Use applied mathematical and statistical methods to solve forestry problems. 3 hrs lec, 2 hrs lab per wk. May not earn credit in both 321 and MATH 355. Prereq: MATH 100; NRES 250 (or con reg), or written cons instr. (II)

FOR 322/522. Forest Mensuration. 3 cr. Measure volume, growth, development of individual trees and stands; determine products obtainable from them; construction and use of appropriate instruments, tables, and surveys. Prereq: MATH 109 or 111; FOR 232, 319 and 320 or NRES 475; MATH 355 or FOR 321; CNR major or written cons instr. (I)

FOR 324. Fire Management and Ecology. 2 cr. Phenomenon of fire; its physical and chemical effects and historical significance. Behavior and effect of wild and prescribed fire in temperate forests. Techniques for planning, conducting, and evaluating prescribed burns. Prereq: 320, 327, NRES 250; CNR major or written cons instr. (I)

FOR 325/525. Range Management. 3 cr. Technical study of sustained yield management practices for rangeland; proper stocking and grazing systems; methods of range surveying. Prereq: BIOL 130, NRES 251, CNR major or written cons instr. (II)

FOR 327/527. Forest Protection. 3 cr. Analysis of biotic and abiotic agents, including insects, pathogens, forest fires, meteorological, soil, and other factors impacting tree health. Principles of detection, prevention, integrated control. 2 hrs lec, 2 hrs lab per wk. Prereq: NRES 250, BIOL 130, CNR major or written cons instr. (I)

FOR 329/529. Harvesting Systems. 2 cr. North American tree harvesting systems: felling, limbing, bucking, forwarding, loading and hauling, analysis of safety procedures, equipment selection and maintenance, environmental implications, and cost determinations. Prereq: CNR Summer Field Experiences, CNR major or written cons instr. (I, II)

FOR 331/531. Landscape Maintenance/Arboriculture. 3 cr. Principles and practice of tree, shrub, and turf establishment and maintenance; use and maintenance of landscape equipment and facilities. Prereq: CNR major or written cons instr. (I)

FOR 332/532. Forest Ecosystem Ecology. 3 cr. Community and ecosystem level forest ecology in temperate/boreal region with a focus on processes which determine ecosystem structure and function. Prereq: 232, BIOL 130, CNR Summer Field Experiences, CNR major or written cons instr. (I)

FOR 334/534. Forest Recreation and Tourism. 3 cr. How the tourism industry affects forest recreation supply and demand, public/private leisure service agencies and the economy; travel motives, destination appeal, marketing, roles played by various agencies, social trends that relate to management and planning. Prereq: 335 or cons instr. (II)

FOR 335. Recreational Use of Forests and Parks. 3 cr. Survey the nature and extent of recreational use of forest environments; roles of public and private agencies in providing forest recreation; social and environmental impact of forest recreation; and principles of management and planning. (I, II)

FOR 336. Pesticides in Natural Resource Management. 1 cr. Introduction to the application and use of pesticides in natural resource management. This course will prepare you to take the Wisconsin Pesticide Applicator Certification Exam. (II)

FOR 339. Survey of Forest Certification Systems. 1 cr. Examine the role of forest certification systems in promoting sustainable forest management on private and public lands and their impact on the marketplace, including an understanding of the different certifications systems and how these systems work from initial evaluation through audits. (II)

FOR 342. Urban Trees and Shrubs. 2 cr. Identification, cultural use, and characteristics of deciduous and evergreen trees, shrubs, and vines for urban, suburban and rural communities and landscapes. Prereq: 232. (I)

FOR 350/550. Contemporary Issues in Forestry. 1-3 cr. Current issues likely to influence forestry in the future. Subtitle will designate topic. May repeat for credits with different subtitles. May count 3 cr max toward graduation. (I, II)

FOR 370. Forest Products I. 2 cr. Introduction to forest products, use of wood as an industrial raw material, product measurement and conversions. Fundamentals of factory hardwood log and lumber grading. (I, II)

FOR 381/581. Internship in Forestry. 1-12 cr. Supervised training program in forestry in cooperation with private or public resource agencies. One cr for 2-4 wks, (40 hrs per wk) of work. Credits and/or addl requirements determined before registration. May repeat once for 12 cr max. Prereq: CNR Summer Field Experiences, 2.0 GPA in major, and/or cons intern director, CNR major or written cons instr. (I, II, SUM)

FOR 385/585. Applied Landscape Architecture. 3 cr. Principles of design, landscape assessment, and graphic techniques that apply to urban and rural forested landscapes. Prereq: CNR Summer Field Experience or cons instr. (II)

FOR 392/592. Native American Forestry. 3 cr. Introduction to Native American forest management from cultural, ecological, historical and socioeconomic perspectives. May not earn credit in both FOR 392 and HIST 392. (II) GDR: EL, NW; GEP: USD

FOR 394/594. Forest Recreation Seminar. 1 or 2 cr. Field observation and study of recreation planning and management problems and practices, at federal, state, and other recreation areas outside this geographical region. Prereq: 335 or cons instr. (I)

FOR 395. Tree Care Techniques. 1 cr. Maintenance of mature trees, including pruning, cabling, and removal. (I, II)

FOR 424/624. Forest Pathology. 2 cr. Diagnosis, ecology and integrated control of common forest and shade tree diseases. 2 hrs lec, 2 hrs lab per wk. Prereq: BIOL 130, FOR 232, 327, CNR major or written cons instr. (II)

FOR 425/625. Forest Management and Finance. 3 cr. Principles of organizing and regulating forest properties; valuation and investment analysis. 2 hrs lec, 2 hrs lab per wk. Prereq: 322, 432, CNR major or written cons instr. (I, II)

FOR 426/626. Forest Entomology. 2 cr. Identification, bioecology and integrated control of the more common and important forest insect families and species. 2 hrs lec, 2 hrs lab per wk. Prereq: 232, 327; CNR major or written cons instr. (I)

FOR 428. Forest Products II: Sawmill Operations and Lumber Manufacturing. 3 cr. Lumber grade and yield analysis, sawing techniques, estimation of residuals, sawmill operations, advanced hardwood log and lumber grading, softwood lumber grading, basic elements of green sizing, quality control, drying, and conducting recovery studies. Factors affecting sawmill production and profits. Prereq: 370. (I)

FOR 429. Forest Products III: Marketing and Advanced Manufacturing. 2 to 3 cr. Marketing forest products including typical channels of distribution by product type, origin and end use, functions of intermediaries. Case studies. Research project in wood products manufacturing. Field trips. Optional 1 cr lab for 3 cr. Prereq: 428 and cons instr. (II)

FOR 430. Landscape Construction. 3 cr. Principles of surface drainage, aesthetic landform modification, earthwork calculation, and highway alignment applied to design of parks and institutional grounds. (I)

FOR 431/631. Tree Structure and Function. 2 cr. How tree morphology relates to tree management in urban environment. 1 hr lec, 1 hr lab per wk. Prereq: BIOL 351, CNR major or written cons instr. (II)

FOR 432/632. Silviculture. 3 cr. Principles governing establishment, treatment, and control of forest stands; natural and artificial regeneration systems; intermediate cuttings, and cultural operations. Emphasizing principal forest types of Lake States region, North America. 2 hrs lec, 3 hrs lab per wk. Prereq: 232, 320, 322, 332, CNR major or written cons instr. (I)

FOR 433/633. Regional Silviculture. 2 cr. Review of Lake States silviculture and comparison with New England. In-depth study of silviculture in Appalachian, Southern, Pacific Northwest, and Rocky Mountain regions. Prereq: 432, CNR major or written cons instr. (II)

FOR 434/634. Field Practices in Silviculture. 1-3 cr. Field techniques in silviculture, including intermediate treatments of forest stands, forest regeneration techniques, and silvicultural management of forest stands. Prereq: 432. (II)

FOR 435/635. Nursery Operations and Management. 3 cr. Principles and practice of nursery management and operations of nursery stock for rural and urban forests. Includes production systems, nursery stock standards, plant propagation, stock storage and delivery, nursery design, cultural requirements and growth strategies, nursery IPM, regulations. Prereq: 232. (I)

FOR 436. Managing Non-industrial Private Forests. 2 cr. Understand the role of private non-industrial woodland owners in the management of natural resources and the sources of financial and technical assistance to assist them. Integrate advanced forestry skills and develop advanced interpersonal communication skills needed to prepare forest stewardship management plans. Prereq: 322; 432. (I)

FOR 440/640. Forest Tree Improvement. 3 cr. Distribution of genetic variation in forest tree populations; introduction, selection, progeny testing, species hybridization, and biotechnology to obtain superior tree populations. Prereq: 232 or cons instr. (II)

FOR 444/644. Urban Forestry. 3 cr. Management of trees and other vegetation in metropolitan areas to enhance the urban environment. Prereq: 232, CNR major or written cons instr. (II)

FOR 449. Basic Forestry Skills Review and Testing. 1 cr, pass/fail. Review and testing of basic knowledge covered in required forestry courses and expected of entry level career foresters. Preliminary and practice tests are offered in conjunction with earlier required forestry courses. Prereq: 432, passing scores on preliminary sophomore and junior tests. (I, II)

FOR 450/650. Fire Policy, Suppression, and Use. 3 cr. History of wildland fire policy development in the U.S. and selected other countries. Fire suppression strategies, wildland fire use including smoke management, wildfire education strategies, and fire in the wildland urban interface. Use and limitation of computer models for fire danger information systems, suppression, and management. Prereq: 224, 324, 327 or cons instr. (I)

FOR 480/680. Forest Recreation Management. 3 cr. Formulate recreation management objectives; determine user preferences and satisfaction; analyze ecological impacts and facility requirements of forest recreation use. Prereq: CNR Summer Field Experiences; FOR 335, 485; or cons instr. (I)

FOR 485/685. Forest Recreation Planning and Site Design. 3 cr. Analyze principles and practices of forest recreation planning, especially federal and state recreation agencies; develop master plans for parks; on-site planning procedures. Prereq: 335, CNR major or written cons instr. (II)

FOR 493/693. Forestry Field Seminar. 1-3 cr. Study current forest management practices, techniques and issues on this regional tour, addressing environmental, economic and social components in forested regions of the world. May be repeated under various subtitles for regions. Prereq: Cons instr. (I, II, SUM)

FOR 499. Special Work. Upperclass forestry students may arrange for independent study with cons assoc dean. Credit based on scope of project. (I, II)

FOR 701. Survey of Forestry. 1 cr. Key elements of forest ecology, silviculture, management and amenities, and their relation to key issues in forestry at the local, national and international levels. Prereq: Certified elementary and secondary teachers only.

FOR 724. Advanced Forest Protection. 3 cr. Advanced topics in pathology, entomology, and fire science management; review of basic principles and current literature; practical experience in laboratory and field techniques. Prereq: Cons. instr.

FOR 725. Advanced Forest Management Economics. 3 cr. Advanced topics and case studies including principles and theory of managerial and financial analysis, production economics and decision systems. Prereq: NRES 372. FOR 425, or cons instr. (II-even years)

FOR 732. Advanced Forest Ecology and Silviculture. 3 cr. Advanced topics including ecosystem ecology, biogeochemistry, ecophysiology, ecosystem modeling, advanced decision making in silviculture, and application of ecological principles to silviculture. Prereq: 332, 432, or cons instr. (I, even years)

FOR 733. Advanced Topics in Urban Forestry. 3 cr. Advanced topics of the management of trees and other vegetation in metropolitan areas to enhance the urban environment.

FOR 796. Current Topics in Forestry. 1-3 cr. Advanced coursework on a specific area in forestry. Prereq: Cons instr.

Forestry Latent Courses: Not offered recently. See full course description in indicated (xx-xx) catalog.
328/528 Wood Technology, 3 cr, (01-03)

629 Forest Products III: Marketing and Advanced Manufacturing., 2-3 cr. (11-13)

730 Tree Physiology, 4 cr, (03-05)

HUMAN DIMENSIONS OF NATURAL RESOURCE MANAGEMENT

Brenda Lackey, Coordinator

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Adjunct Support: B Holsman, R Masters

Academic Standards for Resource Management

To graduate in any major or minor in human dimensions of natural resource management, you must have a minimum cumulative grade point average of 2.25 with the exception of Wildland Fire Science, for which a minimum cumulative grade point average of 2.50 is required.

Resource Management Major (Bachelor of Science)

- Natural Resources courses, 20 credits: NRES 150, 151, 250, 251, 320, 474.
- GEOG 101.
- Field Techniques in Natural Resources courses: Choose one:
 - Summer Field Experience, 7 credits: FOR 319, 320; NRES 405; SOIL 359, 360; WLDL 340; WATR 380.
 - European Summer Program, 8 credits: NRES 475.
- Complete ONE of the following collateral options: general resource management, environmental education and interpretation, land use planning, or youth programming and camp management, natural resources social and policy sciences, resource management law enforcement, wildlife education, or wildland fire science.
 - General Resource Management, 48-59 credits:**
 - Natural Sciences, 19-29 credits: BIOL 101 or 130 and 160; CHEM 101 or 105 and 106 or PHYS 101; BIOL 305 or FOR 332. Take remaining 6 credits from the following: FOR 232, 324, 327, 424. 432; WLDL 350, 372, 451, 458, 459; SOIL 361, 362, 365; WATR 220 (or NRES 220), 324 (or NRES 324), 382 (or PSEN 382 or WSTE 382), 383, 384, 388, 389, 390, 420, 482, 483, 484; GEOL 104, 330, 335 (or GEOG 335),

- 352 (or GEOG 352), 383; GEOG 276, 342, 354, 358, 373, 374, 377 (or NRES 377), 379, 476, 479; NRES 458.
- 2) Analysis, 5-6 credits: MATH 355 or FOR 321 or SOC 390 or PSYC 300; GEOG 279.
 - 3) Economics, 6 credits: ECON 111 or NRES 372; ECON 110.
 - 4) Institutions, 6 credits: POLI 202 or 314; NRES 473 or POLI 304.
 - 5) Social Sciences, 9 credits: Take credits from two or more of the following disciplines: ANTH 101, 339, 372; ACCT 210, 211, 390 (or BUS 390); BUS 320, 322, 326, 340, 485; ECON 311, 315, 342, 362, 365; FOR 334, 392; GEOG 113, 120; HIST 204; NRES 200, 341, 441, 442, 443, 465, 478; PHIL 350, 351, 380, 381; POLI 101, 160, 180, 203, 212, 242, 250, 305, 330, 335, 341, 397; SOC 101, 270, 320, 327, 355, 356; WLDL 450.
 - 6) Communication in the Major, 6 credits: NRES 320, 474.
 - 7) Capstone in the Major, 3 credits: Take a capstone course from one of the CNR disciplines.
 - 8) The Resource Management Major: General Resource Management option satisfies the Interdisciplinary Studies GEP requirement. For more information, see the [GEP](#) section of the Catalog.
- b. **Environmental Education and Interpretation**, 63-70 credits:
- 1) Required: BIOL 101, or 130 and 160, 342, 377; CHEM 100 or 101 or PHYS 100 or 101; NRES 301, 302, 383, 478, 483; FOR 335; PHIL 380.
 - 2) Electives: Choose 9 credits from any of the following courses: BIOL 322, 353, 355, 374, 376, 378, 379; GEOL 104; ASTR 311; NRES 381; a maximum of 3 credits of International experience (NRES 323, 406, 407; INTL 381; excluding NRES 475); THEA 160, FOR 392; WLDL 321, 322; ADVE 150, 225; ENGL 347.
 - 3) Communication in the Major, 7 credits: NRES 368, 369.
 - 4) Capstone Experience, 12 credits: NRES 482.
 - 5) The Resource Management Major: Environmental Education and Interpretation option satisfies the Interdisciplinary Studies GEP requirement. For more information, see the [GEP](#) section of the Catalog.
- c. **Land Use Planning**, 56-66 credits:
- 1) Required: BIOL 101, or 130 and 160; CHEM 101, or 105 and 106; GEOG 476; NRES 320, 372, 388 (or GEOG 388), 389 (or GEOG 389), 484, 488, 489, 495; SOIL 365.
 - 2) Three credits from GEOG 496; POLI 212, 242, 250 (or NRES 473), 304 or 341; SOC 300, 356, 357, 358.
 - 3) Three credits from ECON 311, 374; GEOG 495 or MATH 355, POLI 397.
 - 4) Electives: 6 credits from FOR 334, 444; GEOG 276, 279, 364, 379, 382, 493; NRES 324 (or WATR 324), 357, 377 (or GEOG 377; WATR 382 (or PSEN 382 or WSTE 382); WSTE 380.
 - 5) Professional experience, at least 4 credits of NRES 381.
 - 6) Communication in the Major, 6 credits: NRES 320, 474.
 - 7) Capstone Experience, 3 credits: NRES 489.
 - 8) The Resource Management Major: Land Use Planning option satisfies the Interdisciplinary Studies GEP requirement. For more information, see the [GEP](#) section of the Catalog.
- d. **Youth Programming and Camp Management (YPCM)**, 63-65 credits:
- 1) Required: BIOL 101; CHEM 100 or 101; HD 265; NRES 301, 302, 368, 369, 382, 383, 482, 483; PSYC 110, 260; WLNS 151; ADVE 150.
 - 2) Electives: Choose 9 credits from ADVE 350; ENGL 347; FOR 335; WLNS 226 or other adviser approved courses.
 - 3) Communication in the Major, 7 credits: NRES 368, 369.
 - 4) Capstone Experience, 12 credits: NRES 482.
 - 5) The Resource Management Major: Youth Programming and Camp Management option satisfies the Interdisciplinary Studies GEP requirement. For more information, see the [GEP](#) section of the Catalog.
- e. **Natural Resources Social and Policy Sciences**, 54-66 credits:
- 1) Natural Science core, 10-20 credits required: BIOL 101, or 130 and 160; CHEM 101, or 105 and 106, or 117.
 - 2) Social Science core, 24 credits.: PHIL 351 or 381; POLI 202 or 314: POLI 212 or 320; ECON 111 or NRES 372; ECON 342; NRES 200; NRES 473 or POLI 304; choose remaining credits from POLI 305; EON 110, 311, 315, 362, 365.
 - 3) Analysis, 8-10 credits: Take all of the following: POLI 397; MATH 355 or SOC 390 or PSYC 300; choose remaining credits from GEOG 113, 279, 340, 344, 476.
 - 4) Electives: Complete 9 credits from at least two disciplines: FOR 335; NRES 323, 324 (or WATR 324), 341, 381, 389 (or GEOG 389), 484; 441 or 442; WATR 220 (or NRES 220), 382; SOIL 361, 365, 366 (or WATR 366), 367 (or WATR 367); WSTE 488, 489 (or PSEN 489).

- 5) Communication in the Major, 6 credits: NRES 320, 474.
 - 6) Capstone Experience, 3 credits: NRES 465.
 - 7) The Resource Management Major: Natural Resources Social and Policy Sciences option satisfies the Interdisciplinary Studies GEP requirement. For more information, see the [GEP](#) section of the Catalog.
- f. **Resource Management Law Enforcement, 57 credits:**
- 1) Science and natural environment core, 21 credits. Required: BIOL 130, 160; CHEM 101. Take 6 credits from BIOL 342, 374, 376, 377, 378; FOR 232, 335; NRES 324 (or WATR 324); WATR 384; WLDL 372.
 - 2) Policy formulation and implementation, 6 credits. Choose either NRES 341 or 473. Choose one of the following: NRES 372, 465; POLI 304, 305.
 - 3) Law enforcement background, 12 credits required. NRES 392 required. Take three courses from this list: NRES 381, 391; PHIL 315, 380; POLI 212; SOC 230.
 - 4) Communication in the Major, 6 credits: NRES 320 and 368.
 - 5) Capstone Experience, 12 credits: NRES 393.
 - 6) The Resource Management Major: Resource Management Law Enforcement option satisfies the Interdisciplinary Studies GEP requirement. For more information, see the [GEP](#) section of the Catalog.

NOTE: NRES 393 is taken at any cooperating Wisconsin technical college that offers a 520-hour WI Justice Department POST Academy. This training certifies candidates to work law enforcement jobs in Wisconsin.

- g. **Wildlife Education, 66-68 credits:**
- 1) Science, math, and biology core, 23-25 credits: BIOL 130 and 160; 305, 377; CHEM 100 or 101 or PHYS 100 or 101; MATH 355.
 - 2) Wildlife and education core, 15 credits: NRES 301, 302, 458, 483; WLDL 372.
 - 3) Advanced biology and ecology, 9 credits: 3-6 credits from: BIOL 361 (or WATR 361), 367, 374, 376, 378, 381; WATR 384; WLDL 305, 450; 3-6 credits from BIOL 342, 345, 353; FOR 232; WLDL 360 (or WATR 360), and 3 credits can come from: BIOL 322 or NRES 383.
 - 4) Communication in the Major, 7 credits: NRES 368, 369.
 - 5) Capstone Experience, 12 credits: NRES 482.
- NOTE: Taking this option will not prepare you for certification as a professional wildlife biologist by the Wildlife Society.
- h. **Wildland Fire Science, 77-80 credits:**
- 1) Science, math, and natural environment core (35 credits): BIOL 130, 160, 305; CHEM 101; MATH 111; MATH 355 or FOR 321; FOR 232; SOIL 361; PHIL 380.
 - 2) Measurements and Analysis (9 credits): GEOG 476; FOR 322; NRES 457.
 - 3) Fire Science core (12 credits): FOR 224, 324, 450; NRES 454, 455.
 - 4) Advanced Biology and Ecology (21-22 credits) from: Required: FOR 327, 432; BIOL 342 and NRES 459; either FOR 325 or BIOL 345; Remaining 6 credits can come from: GEOG 353; FOR 424; FOR 426 or BIOL 367; FOR 433; BIOL 350, 355; BIOL 377 or 378; NRES 377 (or GEOG 377), 458, 473; WATR 389, 493; WLDL 372.
 - 5) One summer of an adviser approved wildland fire science experience:
 - a) an independent research project (1-3 credits of NRES 499)
 - b) an internship (1-3 credits of NRES 381), or
 - c) an adviser approved in-field employment experience.
 - 6) Communication in the Major, 6 credits: NRES 320, 474.
 - 7) Capstone Experience, 3 credits: NRES 455.
5. **Teacher Certification in Environmental Studies,** Complete a certifiable science major and the following concentration:
- a. One of: BIOL 305 or NRES 151, 3 credits.
 - b. NRES 370 and 478, 6 credits.
 - c. At least one course from each of the following three categories:
 - (1) Category A – Natural Resources. 1-4 credits: NRES 220 (or WATR 220), 250, 251, 324 (or WATR 324), 340, 372, 390, 458; WATR 382, 388, 482, 493; WSTE 380.
 - (2) Category B – Biology. 1-4 credits: BIOL 306, 308, 309, 342, 355, 375.
 - (3) Category C – Interdisciplinary. 3 credits: ANTH 372; GEOG 335 (or GEOL 335), 340, 354; HIST 204, 280, 304, 380; PHIL 345, 380, 381; POLI 304, 305; SOC 355.
 - d. Complete the professional education sequence. See information about the Professional Education Program and the secondary education curriculum for teacher certification in the [Education](#) section of this catalog.
 - e. You must have a **grade point average** of 2.75 to student teach.

Environmental Communication Minor

Open only to majors within the College of Natural Resources. Others may request permission from CNR assoc dean for academic affairs. It consists of 25 credits:

1. Required core, 10 credits: NRES 320, 368, 369.

2. Fifteen credits: Choose from COMM 221, 230, 253, 322 (Publication Design and Digital Photography subtitles only), 324, 330 (Effective Use of Social Media subtitle only), 333, 339, 394; ENGL 354.

Environmental Education/ Interpretation Minor

Consists of 25 credits. Open only to natural resources majors (other than resource management) and biology majors. Others may request special permission from the CNR assoc dean for academic affairs.

1. Required courses, 23 credits: NRES 301, 302, 368, 369, 374, 376, 478. If you are not a CNR major, you must also take NRES 150.
2. Electives: 3-6 credits from field courses selected in consultation with your adviser.

Environmental Education Minor for Elementary/Middle School

Open only to students seeking teacher certification for ages 6-13, Middle Childhood through Early Adolescence. Consists of at least 22 credits from:

1. Environmental ed core: NRES 370, 376, and a minimum of 3 credits from one of NRES 302, 368, 369, 382, 478 or other courses approved by adviser.
2. Environmental science core, at least 9 credits. Take at least one course from each of the following:
 - a. BIOL 100
 - b. ASTR 100, CHEM 100 or PHYS 100.
 - c. GEOG 100 or GEOL 100.
3. Electives: 3 credits from BIOL 305, HIST 280, NRES 220, 324, PHIL 380, WATR 220, 324, courses from number 1 or 2 above, other courses approved by adviser.

Enrollment caps are in effect for those seeking teacher certification. Please contact the Wisconsin Center for Environmental Education early for entrance requirements and application procedures. Also see information about the Professional Education Program and the secondary education curriculum for teacher certification in the [Education](#) section of this catalog.

Energy Education Certificate Program

The Energy Education Certificate is available to practicing K-12 teachers only. The certificate reflects comprehensive professional development and experiences in energy content and teaching competencies. The certificate is awarded after completing at least three KEEP courses (NRES 730, 731, 732, 733, 734, 735, 736) and providing evidence of involvement in at least three energy education activities. Contact KEEP for a list of eligible activities.

ENVIRONMENTAL ETHICS

See [Philosophy](#).

Environmental Law Enforcement Minor

Complete one track:

1. [Credentialed enforcement track](#), 27 credits:
 - a. Required: NRES 320, 392, 473; SOC 230 or POLI 212.
 - b. NRES 393, 12 credits: This is the 520-hour Wisconsin Law Enforcement Training and Standards Board certified recruit training program offered by a state technical college. Take 392 as prerequisite.
 - c. Three credits from FOR 335, 394; WATR 382; WLDL 360, 372, 458.
2. [Non-credentialed \(regulatory and law\) track](#), 27 credits:
 - a. Required: NRES 320, 392, 473; SOC 230 or POLI 212; POLI 304 or 305; PHIL 315 or 380.
 - b. Six credits from GEOL 330; SOIL 461; WSTE 382, 476; WATR 382.

Environmental Studies Minor

Administered by the College of Letters and Science. See [description](#) earlier in this catalog.

International Resource Management Minor

Consists of a minimum of 21 credits for CNR majors and a minimum of 31 credits for other majors:

1. Required courses:
 - a. NRES 323
 - b. International experience. At least 3 credits from one of the following: NRES 381, 406, 407, 475; FOR 493; INTL 395; or another study abroad program approved by International Resource Management adviser.
 - c. Complete one foreign language course beyond the second semester (102) college level or participation in an intensive language study abroad program or internship with approval of International Resource Management adviser.
 - d. One course from each area:
 - (1) SOC 270, 310, 322, 343, 355, 357, 370; PSYC 240; INTL 381
 - (2) ECON 342 or 362 or 365;
 - (3) GEOG 113 or 120.
2. Three credits from ANTH 320, 325; BIO 353; ECON 362; GEOG 300, 301, 325, 327, 328, 329, 340, 342, 344, 358, 369, 371, 374; HIST 204; INTL 300, 391; NRES 301, 340, 410, 440, 458, 478; PHIL 380.
3. Non-CNR majors are also required to take: NRES 150, 151 and 250 or 251.

Land Use Planning Minor

Consists of 24 credits:

1. At least 3 credits from NRES 474, 484, 495.
2. NRES 388, 389 (or GEOG 389), SOIL 365 and GEOG 476 and at least one of the following: GEOG 276, 377 (or NRES 377), 379, 382, 479; NRES 444.

- At least 3 credits from ECON 342; POLI 212, 242, 250, 304, 341; SOC 300, 356, 357.
- Three credits (if 24 credits are not achieved from 1, 2, and 3 above) from FOR 326, 333, 385, 485; NRES 320, 323, 357, 371, 372, 473, 477, 478; WATR 382, WSTE 380, 476; WLDL 450.

Resource Management Minor

Consists of 23 credits including:

- NRES 150, 151, 250, 251, 388 or 473, and 474.
- Select remaining credits from CNR courses 300 and above.

Sustainable Energy Minor

Consists of a minimum of 21 credits:

- Required core discipline courses: Take a minimum of 3 credits from each of the following foundational disciplines of sustainability:
 - Economics: ECON 111; NRES 372.
 - Social Sciences: GEOG 120; NRES 150, 465; PHIL 101, 336; POLI 101, 160, 180, 304, 305; SOC 101, 355.
 - Environmental Sciences: BIOL 101, 130, 160; CHEM 101, 105, 106, 117; GEOG 101; GEOL 100, 104; NRES 151.
- Required core interdisciplinary courses: Take the following courses (12 credits): NRES 200, 341, 441, 442.

Sustainable Energy Certificate Program

The Sustainable Energy Certificate is recognition for (a) completing a course of study that prepares you to evaluate the technical, political, economic, social, and environmental dimensions of deploying sustainable energy systems and (b) demonstrating experience using trans disciplinary approaches that combine scientific and collaborative stakeholder efforts to formulate solutions to energy challenges.

The College of Natural Resources administers the program. For more information, contact the Student Success Center, Room 180 TNR, and apply by the second semester of your junior year.

Youth Programming and Camp Management Minor (YPCM)

Consists of 25-28 credits toward principles and practices of program planning, administration, and environmental education within youth agencies and camps.

- Required courses, 19-22 credits:
 - NRES 301 and 302 or 370, 376, 382, 383.
 - PSYC 110, 260 or HD 265.
- Select 6 credits from at least two areas below:
 - NRES 368; FOR 335, 485.
 - WLNS 124, 146, 147, 205, 226.
 - ENGL 347; SOC 270.
 - ADVE 150, 250, 350.
- Recommended: See the minor adviser for information about related summer work experience

or internship experience during your junior and senior years.

Courses in Natural Resources

The **resource management** major is described under the heading "human dimensions of natural resource management" above.

NRES 100. Natural Resource Careers Workshop. 1 cr. Explore concepts and careers in natural resource management and environmental protection. Held at the Central Wisconsin Environmental Station. (SUM)

NRES 110. Environmental Management for Homeowners. 2 cr. Practical, economical, environmentally sound considerations of water supply and quality; home and garden management; urban wildlife and forestry; waste disposal; energy conservation, landscaping, air quality.

NRES 120. Orientation to Campus Life. 1 cr. Developmental, individual, recreational, and educational activities that lead to a smooth transition to college life. Orientation topics include: student involvement, residence life, student support opportunities, and recreation. Prereq: Participation in a 3-day outdoor adventure program prior to 1st semester at UW-Stevens Point.

NRES 150. People, Resources and the Biosphere. 3 cr. Global resource and environmental problems from a historic, socioeconomic, and biological perspective. (I, II) GDR: SS2; EL; GEP: ER, SS

NRES 151. Ecological Basis for Natural Resource Management. 3 cr. Basic principles of ecology and application of those principles to the management of natural resources. (I, II)

NRES 200. Introduction to Sustainability Science. 3 cr. Examine the concepts of sustainability science within the context of complex social-ecological systems and explore the social, economic, political, and environmental dimensions of sustainability. Concepts covered include resilience, adaptive capacity, vulnerability, adaptive cycles, and transformations; introduce systems thinking and trans-disciplinary and collaborative approaches to problem-solving.

NRES 210. Safety Instructor Certification. 1 cr. How to teach courses in boating, hunter, and snowmobile safety, as prescribed by Dept of Natural Resources; related ethics and public controversies. Subtitle will designate area of certification. May repeat for max 3 cr with different subtitles. Prereq: Written cons instr. (I, II)

NRES 220. Global Climate Change and Water Resources, 10th Century to Present. 3 cr. Effects of global warming on world water resources. Climate change in the past millennium. Case studies including Africa, India, North and South America, China and Japan. How availability of water has shaped culture, agriculture, and diet. How past and present stressors to available water have been dealt with in different regions. May not earn credit in both NRES 220 and WATR 220. (I, II) GDR: EL, NW; GEP: ER

NRES 250. Introduction to Fisheries, Forestry and Wildlife Resources. 4 cr. Integrated introduction to principles/practices of fisheries, forestry and wildlife management, including production of goods and services while maintaining ecosystem integrity and functions; contemporary issues. Prereq: 150, 151, or written cons instr. (I, II)

NRES 251. Introduction to Soil and Water Resources. 4 cr. Integrated concepts of soil and water resources at the landscape level. Physical, chemical, and biological interactions relating to watershed processes and response to land use and management. Prereq: NRES 150, 151, MATH 100, or cons instr. (I, II)

NRES 281. Camp Leadership. 3 cr. Introduction to camp leadership and management. Camp management profession overview including history, diversity of camps, audiences served, career opportunities, professional associations. Basic concepts of camp organization, management and administration. Theory and practice of camp leadership including training camp counselors, relationship between counselor and camper, and development of program leadership skills (outdoor skills, aquatics, nature and environmental studies, arts and crafts). Readings, field trips, skills workshops. (I alternate years)

NRES 301/501. Foundations of Environmental Education I. 3 cr. Conceptual and philosophical basis for and goals of environmental ed; analysis of instructional materials; knowledge of learners; strategies for developing/implementing environmental ed programs; observe instruction; Prereq: Jr st, CNR/biology major or written cons instr. (I)

NRES 302/502. Foundations of Environmental Education II. 3 cr. Apply environmental ed theory, philosophy, goals. Survey and use of environmental ed methods and resources. Develop, apply, and evaluate instructional plans and materials in formal/informal settings. In field professional development & career opportunities. Prereq: 301/501 or 370/570. (II)

NRES 310/510. Environmental Education Teaching Methods. 1 cr. Strategies for teaching K-12 students about the environment using effective educational methods. Topics include environmental values and teaching problem-solving skills. Meets DPI certification requirement in environmental ed in conjunction with GEOG 339 from UWEX (correspondence).

NRES 320/520. Natural Resources Public Relations and Social Science. 3 cr. Theory, methods, and practice of natural resources social science including theoretical and practical stakeholder involvement and conflict resolution. Focus on developing skills in data collection and analysis and reporting.

NRES 323/523. International Resource Management. 3 cr. Status and trends concerning the world's renewable natural resources with emphasis on ecological, socioeconomic and other factors influencing their management; role of natural resources in developing countries and international efforts devoted to their safeguarding and amelioration. Includes seminar on specific resource issues, countries or world regions. Prereq: 370 for non-CNR majors. (II)

NRES 324. Invasive and Exotic Species. 3 cr. Biotic and abiotic factors influencing invasions of native and exotic species including social, political and economic concerns. May not earn credit in both NRES 324 and WATR 324. GDR: EL; GEP: ER (II)

NRES 335/535. Turf Management. 2 cr. Turf grass selection, establishment, and management for parks, lawns and other recreational land uses. 1 hr lec, 2 hrs lab. Prereq: CNR Summer Field Experiences &/or cons instr. (I)

NRES 336. Integrated Pest Management Workshop. 1 cr. Recognition of weeds, insects, diseases, nutrient deficiencies, and other problems of agricultural and horticultural field crops. (II)

NRES 340/540. Sustainability Concepts. 1-3 cr. Examine environmental, economic and societal elements of sustainability to build content knowledge. May repeat for credit with different subtitles.

NRES 341/541. Introduction to Sustainable Energy Policy. Weigh the environmental, economic, technical, scientific, and social issues surrounding conventional and renewable energy resources including coal, oil, natural gas, nuclear, biofuels, biomass, wind, hydropower, solar, geothermal, etc. Critically examine energy policy at the international, federal, and state levels; introduce tools for interdisciplinary and collaborative approaches to solve energy challenges. Prereq: 151 or CHEM 106, or cons instr.

NRES 350. American Indian Reserved Treaty Rights. 3 cr. Technological, social, and economic aspects of hunting, gathering, and fishing rights; emphasis on current Wisconsin Chippewa experience.

NRES 358/558. Biodiversity and Conservation Biology on the Web. 1 cr. Explore background information, discuss importance, research issues, investigate threats, review values, and examine solutions in biodiversity and conservation biology. Also effects of economics, education, politics, lifestyle. Prereq: On-campus students need cons instr.

NRES 367. Park Interpretation. 2 cr. Skills for interpreting a park or other recreational site to visitors. Practice in preparing and presenting interpretive talks and walks. Prereq: CNR or biology major or written cons instr. (I)

NRES 368/568. Oral Interpretation Methods. 3 cr. Principles and verbal techniques to relate the values of natural history and cultural features to visitors at parks, recreation areas, museums, and other institutions; walks, talks, and programming. Prereq: CNR or biology major or written cons instr. (I, II)

NRES 369/569. Interpretive Media. 4 cr. Principles and practice of design; write and produce interpretive publications; trail and wayside interpretive panels; exhibits for parks, nature centers, other facilities. Includes desktop publishing and other digital technologies used to create interpretive media. Prereq: 367 or 368. (II)

NRES 370/570. Introduction to Environmental Study and Education. 3 cr. Natural, social, economic factors influencing environmental quality; ecological relationships/principles and their relation to population growth, pollution, resource allocation and depletion, conservation, technology, and urban/rural planning. Overview of K-12 environmental ed content and methods. Fulfills Wis. teacher certification in environmental ed. Not open to CNR majors/minors. Prereq: Admis to School of Education or written cons instr. (I, II) GDR: EL; GEP: ER

NRES 372/572. Resource Economics. 3 cr. Fundamental economic concepts and how they apply to resource use; traditional and revised land use theories; problems of land policy management. Prereq: BIOL 101 or 130 or 160; NRES 150, 151; or cons instr. GDR: SS2; GEP: IS (I, II)

NRES 373/573. Agronomy, Agriculture and Environment. 3 cr. Morphology and management of grain, forage and other crops in agricultural enterprises. Role of crops in causing environmental problems and in providing potential solutions. Prereq: CNR Summer Field Experiences or cons instr. (I)

NRES 374/574. Environmental Interpretation Practicum. 3 cr. Practice planning and implementing interpretation programs, facilities, signage, exhibits, and publications for nature centers and park visitors. One 6-hr day per wk at Schmeeckle Reserve. Prereq: NRES 367 or 368 and 363, 364, 365, or 369 or con reg, CNR or biology major or written cons instr. (I, II)

NRES 376/576. Environmental Education Practicum. 4 cr. Practical experience in environmental ed with K-12 students. Program and staff development, program planning, instruction and evaluation. One full day per wk. Prereq: 301 or 370, CNR or biology or education major with environmental ed minor or written cons instr. (I, II)

NRES 377/577. Remote Sensing I. 3 cr. Characteristics of aerial photographs and digital imagery. Use remote sensing materials to conduct resource inventories, and land use evaluation, and landform analysis. 2 hrs lec, 2 hrs lab per wk. May not earn credit in both NRES 377 and GEOG 377. (I, II)

NRES 378. Introduction to Minerals Technology. 3 cr. Survey of extractive and processing systems used in mining, mineral dressing, and metallurgical industries. Prereq: CHEM 105 or 115; GEOL 104. (On demand)

NRES 381/581. Internship in Natural Resources. 1-12 cr. Supervised training program in resource management in cooperation with private or public resource agencies. One cr for 2-4 wks, (40 hrs per wk) of work. Credits and/or addl requirements set by instructor before registration. May repeat once for 12 cr max. Prereq: FOR 319, 320, SOIL 359, 360, WLDL 340, WATR 380 or NRES 475; and/or cons intern director, CNR major or written cons instr; also NRES 388 and 389 if land use planning major. (I, II, SUM)

NRES 382/582. Youth Agency Administration. 3 cr. Survey of youth agencies including purpose, historic background, community role, development, and organization; analysis of administrative structure, programming, management, policy and volunteering board development, career opportunities, and issues confronting nonprofit youth agencies. (I), (A)

NRES 383/583. Nature Center and Camp Management. 3 cr. Principles and practices for planning, organization and administration of nature centers and youth camps. Management of day and residential facilities analyzing issues of the master planning process, public relations, staff supervision, marketing techniques, fiscal and site management. (II), (A)

NRES 385. Field Techniques in Forestry, Soils, Water, and Wildlife. 2 cr. Field techniques used to manage and evaluate forestry, soils, water, and wildlife resources. Prereq: NRES 150, 151, 250, 251. GEP: XL. (SUM)

NRES 388/588. Introduction to Urban and Regional Planning. 3 cr. Historical evolution of urban/regional planning. Theories, ideologies, philosophies, and functional areas of planning. Also primary plan implementation tools. May not earn credit

NRES 389/589. Urban and Regional Planning Analysis. 3 cr. Research methods for urban and regional planning. Design and implementation of citizen surveys. May not earn credit in both NRES 389 and GEOG 389. Prereq: GEOG 373, 388 or NRES 388, MATH 355 or FOR 321 or SOC 351, or cons instr.

NRES 390/590. Nature Interpretation in Wisconsin. 1-3 cr. How to interpret major ecological communities of Wisconsin, their relationship to landforms and climate, key plants and animals, their interrelationship and the effect of human activities. Subtitle will designate emphasis. May repeat for 3 credits max with different subtitles. (I, II)

NRES 391. Environmental Regulatory Processes. 3 cr. Overview of permitting processes governing land; air and water resources.

NRES 392. Environmental Law Enforcement Theory and Principles (formerly 440). 3 cr. Overview of environmental law enforcement activities emphasizing theoretical basis for current enforcement practices. Prereq: POLI 212 or SOC 230, CNR major or written cons instr. (II)

NRES 393 Environmental Law Enforcement. 1-12 cr. Pass/fail. Environmental law enforcement practices including search, seizure, ballistics, criminal codes, evidence collection and preservation, and emergency procedures. Fulfills state of Wis. Law Enforcement Standards Board requirements. Offered with state vocational and technical colleges. Prereq: CNR major or written cons dean and declared environmental law/enforcement minor.

NRES 395/595. Environmental Science for Educators. 1-3 cr. Natural, social, and economic factors influencing the quality of our environment; ecological relationships and principles and their relation to human systems, energy, air, land, water and living resources plus biodiversity. Designed for secondary environmental science/studies teachers. . Not open to CNR majors or minors.

NRES 400/600. Environmental Studies for Practitioners. 3 cr. Overview of environmental studies and issues. Topic areas include: Conservation History, Ecological Foundations, Biodiversity, Water, Land, Energy, Air, Environmental Health, and Environmental Quality and the Future. On-campus students must request permission to register.

NRES 401/601. Ecological Lifestyles. 1 cr. Examine personal lifestyles in light of ecological consideration. Identify ecologically sound lifestyles that foster environmental quality and quality of life.

NRES 402/602. Environmental Futures. 1 cr. Understand and apply techniques used in future studies to identify and analyze how social, scientific, and technological developments may shape the future of human interactions with the natural environment.

NRES 403/603. Environmental Education Curriculum Resources. 1-3 cr. Identify, evaluate, and apply instructional resources for K-12 environmental ed. Subtitle will designate resource. May repeat for 3 cr max. Prereq: CNR major or written cons instr.

NRES 404/604. Environmental Health. 1-3 cr. Study of types, levels, and sources of environmental contaminants that impact human health; discussion of individual and community risk related to environmental contaminants; availability of personal and community environmental health resources; and importance of building personal awareness and knowledge of environmental health issues. May repeat for up to 3 credits with different subtitles.

NRES 405/605. Selected Topics in Natural Resources. 1-3 cr. Major concepts and problems in an area of natural resources. May repeat for credit with different subtitles. Prereq: Cons instr. (I, II)

NRES 406/606. Natural Resources, Culture and Archaeology of the Mayan World. 3 cr. Survey ecosystems and environmental and natural resource programs and issues in a cultural context in Mexico, Belize or Guatemala. GDR: EL, NW; GEP: GA

NRES 407/607. Costa Rica Tropical Ecology. 3 cr. Survey ecosystems and environmental and natural resource programs and issues in Costa Rica. GDR: EL; GEP: GA

NRES 408/608. Plant Resources and Humans. 1 cr. Explore how continued existence of humans is linked to conservation of plant diversity; use of plant resources to provide food, medicine, fiber, shelter and other needs of past and present cultures throughout the world; evolutionary ecology of domesticated plants; preservation of traditional knowledge of useful plants; conservation strategies/techniques for maintaining plant diversity for future generations.

NRES 409/609. Environmental Studies Investigations. 1-3 cr. Investigate and report on a selected geographic area to investigate environmental studies considerations including human culture and history, natural history elements and systems, climate, and broad landforms. Submit a culminating paper that ties themes investigated together.

NRES 410/610. Selected Topics in Environmental Education. 1-3 cr. Environmental concepts/issues with emphasis on K-12 teaching methods. May repeat for credit with different subtitles.

NRES 412/612. Ecological Basis for Environmental Education. 1 cr. Basic ecological concepts and their relationship to understanding and evaluating environmental issues. Prereq: 411/611 or cons instr.

NRES 414/614. Environmental Education Teaching Strategies. 1 cr. Plan and evaluate environmental ed curriculum materials and teaching methods. Prereq: 411/611 and 412/612 or cons instr.

NRES 415/615. Investigation and Evaluation of Environmental Education Curriculum Resources. 1 cr. Investigate, evaluate, and apply instructional resources for K-12 environmental ed. Includes curriculum, print, audiovisual materials, computer software and networks, organizations, people and places. Culminating project links resources encountered to grade level taught and individual areas of interest.

NRES 416/616. Urban EE. 1-3 cr. For teachers and nonformal educators working in an urban setting or interested in working with an urban population. Focus on how to utilize natural areas in an urban setting, urban environmental issues, and techniques to engage urban populations. May repeat for credit with different subtitles.

NRES 420/620. Forestry Education for Wis K-12 Classroom. 1 cr. Principles, activities, techniques for K-12 teaching about importance of forests to our ecological, economic, and social well-being. Includes *LEAF Program Forestry Education Guide*.

NRES 421/621. Teaching K-12 Forestry Topics. 1 cr. Materials and methods to teach K-12 students about current forestry topics, concepts, issues. May repeat for credit with different subtitle.

NRES 422/622. School Forest Programs and Administration. 1 cr. Planning and administration of Wisconsin School Forest Program. Organize school forest committee, understand property management plans, develop educational plans, locate resources/financial support. Class and Web instruction.

NRES 423/623. Human Influence on Wis Forests. 1 cr. Wisconsin forest resources and role they play in our past, current and future ecological, economic and social well-being. For K-12 teachers. Web course.

NRES 424/624. Enhancing School Forest Education. 1 cr. Increase ability to effectively utilize school forests for environmental education and sustainable natural resource management. Culminating project to demonstrate enhanced educational experiences.

NRES 430/630. Energy Education in the Classroom. 1 cr. Hands-on activities, discussions, classroom application and assignments to help teachers analyze energy information and create strategies and techniques to enhance understanding of what energy is, where it comes from, and how it affects our lives. Includes KEEP energy education activity guide. OK for infusion across K-12 curric.

NRES 431/631. Selected Topics in Energy Education. 1 cr. Hands-on activities, discussions, classroom application and assignments to help teachers analyze energy information and create strategies and techniques to enhance understanding of what energy is, where it comes from, and how it affects our lives. (Repeatable under different subtitles).

NRES 432/632. Renewable Energy Education in the Classroom. 1 cr. Builds on KEEP program with next step in renewable energy to help teachers enhance understanding of energy. Highlights renewable energy K-12 curriculum. May repeat for 3 cr max with different subtitles.

NRES 433/633. Energy Education Concepts and Practices. 1-3 cr. Concepts relating to energy definitions, natural laws of energy and energy flows in living/nonliving systems, and their relationships to understanding/evaluating environmental issues. Analyze concepts and synthesize strategies/activities for the classroom. May repeat 3 cr max.

NRES 434/634. School Building Energy Efficiency Education. 1 cr. Study energy use in Wisconsin schools. K-12 teachers use school building as energy education learning tool. Develop action plans highlighting energy efficiency and conservation opportunities.

NRES 435/635. Renewable Energy Education. 1 cr. Fundamentals of renewable energy, how to incorporate renewable energy into daily work/home, pros and cons of using renewable energy. Includes case studies and guest speakers.

NRES 440/640. Making Environmental Education Relevant to Culturally Diverse Communities. 1-3 cr. Basic knowledge and skills to make EE relevant to culturally diverse communities. Broaden your perspective of EE to encompass interests and issues of concern, assess barriers to participation among culturally diverse communities, and appraise the role and significance of building relationships and partnerships with members of a community you intend to work with in the future.

NRES 441/641. Climate Change Implications, Policies, and Solutions. 3 cr. Assess the implications of climate change on the sustainability of the world's social-ecological systems. Examine the legal, political, cultural, scientific, economic, and moral dimensions of climate policy including interactions between local, state, U.S. and international policy. Prereq: 341/541 or GEOG 335/535 or GEOL 335/535 or cons instr.

NRES 442/642. Sustainable Energy: Resources, Technologies, and Policies. 3 cr. Systems-based, technology assessment approach to examining potential sustainable energy solutions. Evaluate the scientific and engineering challenges and social and economic barriers each solution faces and cross-scale interactions between these factors. Formulate a portfolio of policies for each sustainable technology to drive deployment at the necessary scale. Prereq: 341/541 or cons. instr.

NRES 443/643. Sustainable Social-Ecological Systems. 3 cr. Examine the energy challenges facing communities in different regions of the U.S. in this field-based course. Utilize a systems approach to assess these challenges within the complex social-ecological systems in which they are embedded. Employ a transdisciplinary approach to problem solving by integrating knowledge and perspectives from different disciplines and a diverse array of stakeholders; creating new shared knowledge and perspectives; formulating strategies to alter current undesirable trajectories in these social-ecological systems; and creating more sustainable futures for these systems. Prereq: 341/541 or cons instr.

NRES 454/654. Fire Behavior and Fuels. 3 cr. Combustion process and physics of fire related to various fuels in the fire environment. Fire behavior, fuel measurement, and fuel modeling systems. Ecology of fuels, including moisture dynamics related to weather. Prereq: FOR 224, 324. (I)

NRES 455/655. Advanced Fire Ecology. 3 cr. Fire as a fundamental ecological process emphasizing ecosystem dynamics in North American grasslands, shrublands, and forested systems with selected global examples from other ecosystems. Fire adaptations, regimes, seasonally and fire frequency effects on animal and plant communities, air, soils, and water and the role of fire in the environment. Prereq: 454; FOR 224, 324, 327, 450. (II)

NRES 457/657. Ecological Monitoring. 3 cr. Theory and practice of ecological monitoring emphasizing ecosystem structure, functions, and populations. Prereq: FOR 321 and 332, or cons instr. (II, even yrs)

NRES 458. Biodiversity and Conservation Biology. 3 cr. Theoretical framework for identifying threats and solutions to long-term preservation of species and biological communities; includes concepts from traditional, landscape, and population ecology, genetics, sociology and economics. Prereq: BIOL 305 (I)

NRES 459/659. Ecosystem Management and Restoration. 3 cr. Methods for managing and restoring ecosystems for biological diversity and sustainable use. Prereq: 458 or WLDL 458, CNR major or written cons instr. (II)

NRES 460. People and Ecosystems. 4 cr. Interactions between people and ecosystems and dependency of the health and sustainability of each upon the other. May not earn credit in both NRES 460 and HP/W 460. Prereq: Jr or sr st; application and cons instr. (II)

NRES 462/662. Adaptive Resource Management. 1 cr. Theory and practice of adaptive management. Methods of integrating social attitudes and values into science-based decision making in natural resources. Prereq: 474/674, or cons instr.

NRES 465. Policy Tools for Private Lands. 3 cr. Understand analyze, and apply a variety of policy tools to appropriate audiences, develop innovative tools or revisions to in-place policies to address environmental degradation issues that arise from private lands.

NRES 473/673. Resource Policy and Law. 3 cr. The need for, purposes, making, and implementation of natural resources legislation and policy. Prereq: CNR major or written cons instr. (I, II)

NRES 474/674. Integrated Resource Management. 3 cr. Current issues, problems, trends in integrated management of resources; principles used to form and implement natural resources policy. Prereq: NRES 150, 151, 250, 251; CNR major or written cons instr. GEP: IS. (I, II)

NRES 475/675. European Environmental Studies Seminar. 1-8 cr. Survey environmental problems and programs in Europe; compare with U.S. environmental/natural resource issues. Alternative to Treehaven CNR Summer Field Experiences. Consists of 1 cr spring orientation, 2 wk CWES CNR Summer Field Experiences, 4-6 wks in Germany and other countries. Prereq: NRES 250, 251, 2.00 GPA in major and cons instr. GEP: GA, XL. (II, SUM)

NRES 475/678. Environmental Issues Investigation and Action. 3 cr. Rationale and strategies for investigating environmental issues at local, state, regional, or national levels; select and implement actions to resolve issues through political, economic, legal, educational, and lifestyle avenues. Group project. Prereq: 370 or 395, CNR or biology major or written cons instr. (II)

NRES 480/680. Environmental Education - Residential Life. 1 cr. Practical experience exploring and implementing best practices in Environmental Education in a residential setting. May repeat for up to 4 credits. Subtitle, where applicable, indicates emphasis.

NRES 481/681. Place-based Instructional Strategies for Environmental Educators. 1 cr. Investigate place-based Environmental Education, theory and application. Learn and practice effective techniques for engaging student learning in non-formal and residential settings.

NRES 482. Human Dimensions of Natural Resources Practicum. 12 cr. Practical experience within Resource Management major options that includes planning and implementing programs. Meets Monday thru Friday with some weekend activities. Prereq: Sr. st; complete core courses of your major option and Summer Field Experience; must register for 3 credits of 483 con reg 482. (I, II)

NRES 483/683. Professional Development in Natural Resource Management. 1-3 cr. Examine personal, academic and professional abilities, knowledge, skills, experience, interests, and philosophies related to natural resource management. Includes portfolio development and field trips. May repeat for credit with different subtitles. Subtitle will designate emphasis. Prereq: Undergrad students must register for 3 credits of 483 con reg 482. (I, II)

NRES 484/684. Natural Resources Planning. 3 cr. Examine the planning process in public land management agencies at the federal, state, and local government levels for both public and private lands, including the role of NEPA and grant making. Prereq: 388 or GEOG 388; 474, CNR major or cons instr. (I)

NRES 488/688. Land Use Plan Implementation. 3 cr. Legal, social, and natural resource considerations in creation and enforcement of zoning, subdivision, and related land use regulations. Also ordinances to control junk, billboards, nonconforming uses and structures, and adult businesses. Prereq: NRES 388 or GEOG 388. (I, even years)

NRES 489/689. Applied Natural Resources Planning. 3 cr. Apply analytical planning techniques to explain contemporary community and natural resource issues. Develop case studies of regions using demographic, land market, natural resource, economic, recreation, and education analyses to propose planning and resource management policies. Prereq: 389 or GEOG 389, and MATH 355 or SOC 351, and sr st for majors or minors in natural resources or cons instr. (II, odd years)

NRES 490. Integrated Resource Management Seminar. 2 cr. Interdisciplinary teams will investigate natural resource issues and problems, and develop, present, and defend plans. Prereq: Sr st for majors or minors in natural resources. (I, II)

NRES 491. Seminar in Conservation Biology. 1 cr. Outside speakers on practical economics, administration, and management of ecosystems for biodiversity. (II)

NRES 495/695. Ecological Basis for Planning and Design. 3 cr. Ecological principles, relationships, and interaction between natural and man-made elements of the environment. Prereq: 474/674 or cons instr. (II)

NRES 499. Special Work. Upperclass natural resources majors and minors doing above average work may arrange for independent study with cons of assoc dean. Credit based on scope of project. Prereq: 2.50 GPA in major. (I, II)

NRES 701. Readings in Environmental Education. 1-3 cr. Readings on history, philosophy, practices, methods, and issues of environmental education. Assignments vary depending on credits.

NRES 703. Leadership Development in Natural Resources. 1 cr. Assessment and experiences to develop leadership capacity in natural resources and educationally related organizations. Individual and small group activities to explore current theories and practices in leadership and implications for successful organizational and personal development. May repeat for up to 6 credits under different subtitles/emphasis.

NRES 705. Environmental Issues Investigation and Action. 1-3 cr. Examine current theories of behavior change. Use primary and secondary information sources to investigate environmental issues and develop a case study. Explore strategies for issue analysis/resolution. May not take both 705 and 478/678.

NRES 706. Community Resources in Environmental Education. 1 cr. Explore variety of human, cultural, technological, and natural resources to enrich environmental ed curricula; field trips to integrate environmental ed with classroom instruction. Prereq: 570 and 614 or; 611, 612, 613, and 614.

NRES 708. Outdoor Teaching Sites for Environmental Education. 1 cr. Relationship of current environmental ed developments to outdoor teaching sites. Philosophy, design, construction, and use of outdoor sites, schools and school forests. Practical experiences in developing outdoor teaching site strategies.

NRES 720. Advanced Topics in Natural Resources and Public Relations. 1-3 cr. Theory and techniques for effective public relations for natural resource professionals. Create plans for stakeholder involvement in decision-making or social marketing to impact natural resource behaviors. May repeat for credit with different subtitles. Subtitle will designate emphasis.

NRES 721. Field Ecology for Environmental Education. 3 cr. Examine patterns and relationships in nature, the ways in which organisms interact and function. Emphasis will be placed on pragmatic application of ecological concepts to foster understanding and also to explore what nature can teach us about sustainability. Studies will be extended by examining the great challenges human activities, at all scales from local to global, are creating for sustainability of a quality environment.

NRES 750. Human Dimensions Research Methods. 1 cr. Discuss research methods, relevant literature, and current issues in Human Dimensions of Natural Resources. May repeat for 4 cr max under different subtitles. (I, II)

NRES 751. Applied Environmental Education Program Evaluation. 3 cr. Designed for environmental educators and natural resource professionals. Apply skills in designing evaluation tools such as surveys, observation forms, and interview and focus group guides to assist in evaluating education programs.

NRES 752. Needs Assessment in Environmental Education and Interpretation. 1-3 cr. Learn to conduct a needs assessment to develop or revise programs, products, or services to meet the needs of environmental education and/or interpretation audiences, program providers, and organizations.

NRES 755. Developing Curriculum for Non-formal Environmental Education Settings. 1-3 cr. Best practices in curriculum development for environmental education in both formal and non-formal settings. Learn where to find model environmental education curricula and how to evaluate it, adapt it to specific needs, build original curricula, and use assessment techniques for improvement. Prereq: 701.

NRES 761. Personal Leadership Development for Environmental Education. 1 cr. Theoretical and practical background in personal leadership skills and development for implementation of EE beyond the classroom. Prereq: Acceptance in MSNREE Program.

NRES 762. Organizational Leadership Development for Environmental Education. 1 cr. Practical leadership skills within context of organizational culture, power, and politics to implement EE beyond the classroom. Prereq: 761.

NRES 765. Human Resources in Natural Resources Organizations. 1-3 cr. Understand and apply human resource skills such as employee development and evaluation, leading effective teams, and employment law. May repeat for credit with different subtitle.

NRES 767. Fundamentals of Natural and Cultural Interpretation. 3 cr. Designed to provide working professionals with core concepts of natural and cultural interpretation and how they can be applied in a professional setting. Prereq: Pre-registration required.

NRES 768. Advanced Personal Interpretation Methods. 3 cr. Gain advanced skills in planning and development of interpretive talks, walks, and other personal-based presentations. Participants will have opportunities to discuss and conduct evaluation, structuring, theme development, creative techniques, spontaneous interpretation, and non-verbal communication skills.

NRES 769. Advanced Interpretive Media Design. 3 cr. Gain advanced skills in effective design of non-personal interpretive media such as wayside exhibits, kiosks, interpretive trails, interior exhibits, audio apps, and websites; includes analysis of existing media, interpretive message writing, comparison of modern sign materials, fabrication methods, and base structures. Training will be provided in professional design software such as Adobe Photoshop and InDesign.

NRES 770. Natural Resources Policy and the Legislative Process. 1 cr. Investigation and analysis of the background, development, and purpose of natural resources policy in the United States.

NRES 772. The Natural Resources Management Leader. 3 cr. Introduction to models of natural resources organizational leadership and management and their use at different scales, principles of followership, strategic planning, personnel management and other administrative topics.

NRES 780. Land Use Education. 1 cr. This online course will explore land use concepts, issues, and ideas and investigate land use resources. It will also develop activities and highlight connections to Wisconsin Model Academic Standards in environmental education and social studies. May repeat for up to 6 credits under different subtitles/emphases. Prereq: (for credits 2-6) 780: Exploration and Investigation of Land Use.

NRES 791. Introduction to Research. 1 cr. Explore role and value of research in society, and the ways scientific knowledge accumulates. Directed work in preparation of study plans (thesis or project proposals) and presentation of research findings. (I)

NRES 794. Graduate Seminar. 1 cr. Discuss selected environmental and natural resource topics. Required of CNR graduate students every semester except when presenting a 795 seminar. (I, II)

NRES 795. Graduate Seminar. 1 cr. Student presentation and discussion of selected environmental and natural resource topics including results of student research. (I, II)

NRES 796. Independent Study. 1-3 cr. Advanced work on a specific natural resource problem. (I, II, SUM)

NRES 797. Research Methods, Design and Analysis. 3 cr. Statistical methods of experimental design and analysis for research in natural resources. Prereq: MATH 355 or FOR 321 or cons instr. (I)

NRES 798. Graduate Project Work. 1-3 cr, repeatable up to 6 cr. Project credits for students in CNR programs.

NRES 799. Thesis. (Not on Plan B.) 2-6 cr. (I, II, SUM)

Natural Resources Latent Courses: Not offered recently. See full course description in indicated (xx-xx) catalog.

171 Elementary Surveying, 3 cr, (01-03)

194/294/394/494: Native American Lands Seminar, 1 cr, 357 Air Resources, 3 cr, (07-09)

371/571 Resource Administration, 2 cr, (07-09)

375/575 Environmental Field Studies, 3 cr, (91-93)

411/611 Principles of Environmental Education, 1 cr, (11-13)

444/644 Integrated Spatial Info Sys for Natl Res Mngt (03-05)

477/677 Environmental Impact Statement (EIS) Development, 1 cr, (11-13)

493/693 Environmental Field Seminar, 1-2 cr, (03-05)

709 Wisconsin Lakes Resources, 1 cr, (11-13)

760 Grant and Proposal Development, 1-3 cr, (07-09)

Natural Resources

Field Seminar Program

The field seminar program acquaints you with research and management activities not available through campus and CNR Summer Field Experience experiences. The program consists of extended tours of areas and facilities pertinent to the appropriate resource discipline. The following field seminar courses are described fully under the same headings in the regular course listings:

FOR 493/693, Forestry Field Seminar, 1 or 2 cr.

NRES 475/675, European Environmental Studies Seminar, 1-8 cr.

NRES 479/679, International Environmental Studies Seminar, 1-6 cr.

NRES 493/693, Environmental Field Seminar, 1 or 2 cr.

SOIL 493/693, Soils Field Seminar, 1 or 2 cr.

WLDL 493/693, Wildlife Field Seminar, 1 or 2 cr.

Field Experiences in Natural Resources

The Field Experiences in Natural Resources program consists of FOR 319, 320, SOIL 359, 360, WATR 380, and WLDL 340, and NRES 405, each for 1 credit. See the description of these courses under the appropriate heading.

PAPER SCIENCE AND ENGINEERING

The major in paper science and engineering, administered by the College of Natural Resources, is described under the section [Paper Science and Engineering](#) later in this catalog.

RESOURCE MANAGEMENT

See [Human Dimensions of Natural Resource Management](#).

SOIL and WASTE RESOURCES

Steven Levine, Coordinator

Room 278, Trainer Natural Resources Building

Phone: 715-346-3704

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Web: www.uwsp.edu/soils

Faculty: D. Keymer, S Levine, R Michitsch, J Prater, J Sherman.

Definition: Soil and waste resources trains you in the inventory, scientific principles, and management of these resources. It includes soil conservation, soil mapping and classification, nutrient management in agriculture, wastewater treatment, solid waste and hazardous waste management and recycling, septic systems, and wetlands.

Academic Standards for Soil and Waste Resources

To graduate with a major or minor in soil and waste resources you must have a minimum cumulative grade point average of 2.50.

Soil and Waste Resources Major (Bachelor of Science)

1. Required, 14 credits: NRES 150, 151, 250, 251.
2. Collateral courses, 18 credits: CHEM 105 and 106 (or 117); GEOL 104; MATH 111 or 120.
3. Complete ONE option below:
 - a. **Soil and Land Management**
 - 1) Required, 41 credits: SOIL 362, 363, 364, 365, 381, 461, 465, 484 (or WSTE 484); NRES 320 or ENGL 254 or 354; NRES 372, 373, 465 or 473 or 474 or 478 or 484; WSTE 380 or 382 (or SOIL 382 or PSEN 382); 3 cr from SOIL 350, 366 (or WATR 366), 367 (or WATR 367), 383, 387 (or WSTE 387), 482 (or WSTE 482), 486 (or WSTE 486); NRES 336; WSTE 350, 388; WATR 454.

- 2) Collateral courses, 15 credits: BIOL 130; GEOG 279, 377 or 379 or 476; PHYS 101
 - 3) Electives, 3 credits from SOIL 361, 462 (or WATR 462); WLDL 360 (or WATR 360); WATR 389.
 - 4) Field Techniques in Natural Resources, 7 credits: FOR 319, 320; SOIL 359, 360; NRES 405; WATR 380; WLDL 340; or 8 credits of NRES 475.
 - 5) For all students in the Soils and Land Management option within the Soil and Waste Resources major, the Communication in the Major requirement is satisfied by earning credit in SOIL 461 and 484 (or WSTE 484).
 - 6) For all students in the Soils and Land Management option within the Soil and Waste Resources major, the Capstone Experience requirement is satisfied by earning credit in SOIL 461.
- b. Soil Science**
- 1) Required, 32 credits: SOIL 362, 363, 364, 365, 461, 462 (or WATR 462), 465, 484 (or WSTE 484); NRES 372, 373; and WSTE 380 or 382 (or PSEN 382 or WATR 382).
 - 2) Collateral courses, 30 credits: BIOL 130, 351; CHEM 220, 248; MATH 355; GEOG 279; PHYS 201 and 202.
 - 3) Field Techniques in Natural Resources, 7 credits: FOR 319, 320; SOIL 359, 360; NRES 405; WATR 380; WLDL 340; or 8 credits of NRES 475.
 - 4) For all students in the Soil Science option within the Soil and Waste Resources major, the Communication in the Major requirement is satisfied by earning credit in SOIL 461 and 484 (or WSTE 484).
 - 5) For all students in the Soil Science option within the Soil and Waste Resources major, the Capstone Experience requirement is satisfied by earning credit in SOIL 462 (or WATR 462).
- c. Waste Management**
- 1) Required, 36 credits: WSTE 380, 381, 382 (or PSEN 382 or WATR 382), 476, 481, 482 (or SOIL 482), 484 (or SOIL 484), 485, 486 (or SOIL 486); WATR 390; 6 credits from SOIL 365, 461, 462 (or WATR 462), 465; 4 credits from WSTE 350, 387 (or SOIL 387), 388, 487; SOIL 350, 366 (or WATR 366), 367 (or WATR 367), 383; WATR 454.
 - 2) Collateral courses, 14-16 crs: BIOL 101; CHEM 220; PHYS 101, or 201 and 202.
 - 3) Two credits of NRES 385.
 - 4) Complete ONE track below:
 - A) Communication, Business, Political Science track:** 11 credits. **(a)** COMM 230 or NRES 320; **(b)** ENGL 254 or 354; **(c)** GEOG 279; **(d)** 3 credits from POLI 242, 250, 304, 356, 358; BUS 320, 324; ECON 311; NRES 372 or ECON 110; PHIL 380; NRES 474 or 484 or 495.
 - B) Technical track:** 11 credits from WATR 388, 389, 482, 494; NRES 357, 474, 484, 495; SOIL 362, 363, 461, 462 (or WATR 462), 465.
 - 5) For all students in the Waste Management option within the Soil and Waste Resources major, the Communication in the Major requirement is satisfied by earning credit in WSTE 381 and 484.
 - 6) For all students in the Waste Management option within the Soil and Waste Resources major, the Capstone Experience requirement is satisfied by earning credit in WSTE 481.
 - 7) We strongly recommend that you complete a minor in business or communication or water resources.

Whether you are a major or minor, check with a soils adviser to determine the minimum core course requirements you need for certification as a professional and/or to take state or national exams or to obtain licenses.

Soil Science Minor

Consists of 22 credits with at least 15 credits soils courses:

1. Required: NRES 251; 9 credits from SOIL 362*, 364, 365, 461, 465, (Forestry majors may substitute SOIL 361 for one of these).
2. Select the remaining credits from: SOIL 359, 360, 361, 362, 363, 364, 365, 366 (or WATR 366), 367 (or WATR 367), 461, 462 (or WATR 462), 465, 484 (or WSTE 484); FOR 332, 435; GEOG 279, 352 (or GEOL 352), 377 (or NRES 377), 476; GEOL 300, 370; NRES 335, 336, 373**, 484; WSTE 380, 476; WATR 383 (or GEOL 383), 487 (or GEOL 487), 493; WLDL 451. Other courses need assoc dean approval.

* SOIL 362 is necessary for students applying for soil scientist positions with federal agencies.

**NRES 373 has satisfied the crop science requirement for a soil conservationist position with the Natural Resources Conservation Service.

The soil science minor satisfies the minimum civil service requirements for soil scientist positions (classification and mapping) in federal agencies such as the Natural Resources Conservation Service and the Forest Service.

Wetland Science Certificate Program

The Certificate in Wetland Science is recognition of completion of a course of study in physical, biological and natural resources sciences that concentrates on the identification, evaluation and management of wetlands. When you complete the certificate requirements, you will have met the academic requirements necessary to apply for certification as a "wetland professional in training" by

the Society of Wetland Scientists. The College of Natural Resources administers the program. For more information contact the Student Success Center, Room 180 TNR, and apply by the first semester of your junior year.

SOIL SCIENCE CONCENTRATION IN THE BUSINESS ADMINISTRATION MAJOR

See [Business and Economics](#).

Courses in Soils

SOIL 350/550. Selected Topics in Soil and Waste Resources.

1-3 cr. Selected principles, practices, issues in soil and waste resources. May repeat under different subtitles. May apply 3 cr max to major. (I, II)

SOIL 359. Soil Conservation and Watershed Inventory

Techniques. 1 cr. Field techniques of land surface relief inventory, soil percolation, watershed interpretive systems for runoff prediction, and groundwater characteristics investigation for integrated resource mgmt. Prereq: NRES 251, 2.00 GPA in major, CNR major or written cons instr. GEP: XL. (SUM)

SOIL 360. Field Experience in Soil Inventory Methods.

1 cr. Techniques in describing, mapping, classifying, and interpreting soils for integrated resource mgmt. Prereq: NRES 251, 2.00 GPA in major, CNR major or written cons instr. GEP: XL. (SUM)

SOIL 361/561. Forest Soils.

3 cr. Characteristics of and processes in soils under forest cover; relationships of these to forest growth, productivity, and management practices; human impacts. 2 hrs lec, 3 hrs lab per wk. Prereq: NRES 251, Summer Field Experience, CNR major or written cons instr. (II)

SOIL 362/562. Soil Genesis and Morphology.

3 cr. Geologic origin, characteristics, and taxonomic grouping of soils; survey methods and mapping procedures. 2 hrs lab, 2 hrs lab per wk. Prereq: Summer Field Experience, CNR major or written cons instr. (II)

SOIL 363/563. Soil Profile Description Writing.

1 cr. Field identification of soil layers and preparation of official morphological descriptions of soil profiles and associated site factors. 1 hr lec and 2 hrs lab per wk. Prereq: Summer Field Experience or cons instr. (I)

SOIL 364/564. Soil and Plant Analysis.

3 cr. Sample, prepare, and analyze soil and plants. Interpret chemical results for environmental quality and soil fertility management. Choose analytical methods and maintain laboratory quality control. 2 hrs lec, 3 hrs lab per wk. Prereq: CHEM 116 or 106, CIS 102-spreadsheet or equiv, Summer Field Experience, CNR major or written cons instr. (I, II)

SOIL 365/565. Soil Survey Interpretations for Land Use

Planning. 3 cr. Apply soil survey information to make interpretations for various land uses such as agriculture, sanitary facilities, building sites, woodland, construction materials; identify the limitations and suitability of soils for specific planning purposes. 2 hrs lec, 2 hrs lab per wk. Prereq: Summer Field Experience, CNR major or written cons instr. (I)

SOIL 366/566. Wetland Soils.

1 cr. Characteristics of hydric soils including chemistry, morphology, genesis and classification; hydrology of wetlands; field observation and application of federal and regional guidelines to identify hydric soils. Prereq: NRES 251. May not earn credit in both WATR 366/566 and SOIL 366/566. (I)

SOIL 367/567. Wetland Delineation.

1 cr. Review procedures required for identifying and delineating wetlands for permit review. Prereq: NRES 251. May not earn credit in both WATR 367/567 and SOIL 367/567. (II)

SOIL 381/581. Internship in Soils. 1-12 cr. Supervised training program in soils management in cooperation with private or public resource agencies. One credit for 2-4 wks (40 hrs per wk) of work. Credits and/or addl requirements set before registration. May repeat once for 12 cr max. Prereq: FOR 319, 320, SOIL 359, 360, WLDL 340, and WATR 380; or NRES 475; 2.00 GPA in major; and/or cons intern director; CNR major or written cons instr. (I, II, SUM)

SOIL 383. Nutrient Management Planning. 1 cr. Design nutrient management plans in accordance with government regulations. Understand limitations of certain nutrient management systems. Prereq: 364 or cons instr.

SOIL 387. On-Site Wastewater Treatment Systems.

1 cr. Wastewater treatment process, design, and regulatory requirements for on-site systems. Prereq: NRES 251. May not earn credit in both SOIL 387 and WASTE 387

SOIL 455/655. Sediment Control and Site Restoration at Water Crossing Facilities. 1 cr. Designing and installing sediment control techniques at culverts, bridges, and other water-crossing structures to protect fish and other aquatic biota. Prereq: 461 or con reg, admis to CNR, cons instr.

SOIL 458/658. Design and Construction of Sediment Control Structures. 1 cr. Design and construction of sediment basins, design and installation of sediment control structures such as silt fences, berms, and buffer strips. Prereq: 461 or con reg, admis to CNR, cons instr.

SOIL 461/661. Soil Management for Resource Sustainability.

3 cr. Use soil fertility, plant nutrition, wind and water erosion, and surface and groundwater contamination abatement principles in solving soil and crop management problems. 2 hrs lec, 3 hrs lab per wk. Prereq: Summer Field Experience, CNR major or written cons instr. (II)

SOIL 462/662. Environmental Biogeochemistry. 3 cr. Theory, concepts and methods available to quantify biogeochemical cycles in atmospheric, terrestrial and aquatic ecosystems will be introduced. Use learned theory and advanced analytical biogeochemical techniques to plan, develop and conduct a major project. A professional-level oral presentation of project outcomes will culminate the course. May not earn credit in both SOIL 462 and WATR 462. Prereq: CHEM 106 or 116; SOIL 364 or WATR 390; or written cons instr.

SOIL 465/665. Soil Physics. 3 cr. Basic concepts and principles related to state and transport of matter (especially water) and energy in the soil. Physical measurement and mathematical quantification of soil physical properties and processes. 2 hrs lec, 3 hrs lab per wk. Prereq: MATH 111 or 120; PHYS 201; CIS 102 (spreadsheet or equiv); Summer Field Experience; CNR major or written cons instr. (I)

SOIL 482/682. Land Application of Wastes. 1 cr. The properties of waste, environmental impacts, regulations, and equipment dealing with the processing/transportation/application of industrial and municipal wastes on land will be discussed. May not earn credit in both SOIL 482 and WASTE 482. Prereq: NRES 251

SOIL/WASTE 484/684. Environmental Microbiology. 4 cr. Explore the role of beneficial and pathogenic micro-organisms in environmental media. Microbial occurrence, transport and survival processes will be emphasized. Soil and (waste) water environments will be a focus. Laboratory exercises will develop classic/current methods, and include small group and class projects. Pre-registration is required with the instructor. May not earn credit in both SOIL 484 and WASTE 484. Prereq: Cons instr.

SOIL 486/686. Composting. 1 cr. Exposure to the theory and practice of controlled aerobic decomposition. Explore various methods of composting different types of waste materials. Learn lab techniques for compost testing. Tour of large and small composting facilities. May not earn credit in both SOIL 486 and WASTE 486. Prereq: NRES 251

SOIL 499. Special Work. Upperclass soil science students may arrange for independent study with cons assoc dean. Credit based on scope of project. Prereq: Summer Field Experience or cons instr. (I, II)

SOIL 761. Advanced Soil Management. 1-3 cr. Advanced topics in principles of soil, water, plant relationships. Prereq: 461/661 or cons instr. (On demand)

SOIL 763. Soil Resource Issues. 1-3 cr. Investigate issues such as food production vs. population growth, soil quality, soil erosion, point and nonpoint pollution; identify policies and agencies that are involved. Prereq: Certified elementary/secondary teachers only.

Soils Latent Course: Not offered recently. See full course description in indicated (xx-xx) catalog.

260 Introduction to Soil Resources, 4 cr, (97-99)

456 Erosion Control and Slip Stabilization in Construction Activities, 1 cr, (11-13)

457/657 Bio-engineering in Stream Bank and Channel Restoration, 1 cr (07-09)

496 Computer Software Application for Soils, 1 cr, (03-05)

656 Erosion Control and Slip Stabilization in Construction Activities, 1 cr (07-09)

760 Advanced Forest Soils, 3 cr, (07-09)

762 Advanced Soil Genesis, Mineralogy, Classif, 3 cr, (03-05)

Courses in Waste Management

WSTE 350/550. Selected Topics in Soil and Waste

Management. 1-3 cr. Selected principles, practices, issues in soil/water resources. May repeat under different subtitles. May apply 3 cr max to major. (I, II)

WSTE 380/580. Solid Waste Management. 3 cr. Characterization, collection, recycling/disposal of municipal, industrial, and agricultural wastes, with emphasis on environmental effects related to disposal. 2 hrs lec, 2 hrs lab per wk. Prereq: CNR major or written cons instr. (I)

WSTE 381/581. Internship in Waste Resources. 1-12 cr. Supervised training program in waste resources management in cooperation with private or public resource agencies. One cr for 2-4 wks (40 hrs/wk) of work. Credits and/or addl requirements set before registration. May repeat once for 12 cr max. Prereq: Waste 380 or 382 or 476; CNR major or written cons instr. (I, II, SUM)

WSTE 382/582. Water and Wastewater Treatment. 3 cr. Theory, practice and regulatory framework of water and wastewater treatment with a focus on control and design of physical, chemical and biological treatment processes. May earn credit in only one of WSTE 382/582, WATR 382/582 and PSEN 382/582. Prereq: NRES 251 or PSEN 110.

WSTE 387. On-Site Wastewater Treatment Systems. 1 cr. Wastewater treatment process, design, and regulatory requirements for on-site systems. Prereq: NRES 251. May not earn credit in both WSTE 387 and SOIL 387.

WSTE 388. Agricultural Waste Management. 1 cr. Exposure to the wastes common to the agricultural sector and their special handling, reuse, regulatory, and environmental issues. Prereq: CNR major or cons instr.

WSTE 476/676. Hazardous Waste Management. 3 cr. Chemical, biological, and technical aspects of hazardous waste management; regulations concerning the classification, treatment, and disposal of hazardous waste; environmental health and safety issues. 2 hrs lec, 2 hrs lab per wk. Prereq: 380 or cons instr; CHEM 116 or 106; BIOL 101 or 130; CNR major or written cons instr. (II)

WSTE 481/681. Wastewater Treatment II. 2 cr. Explore physical, chemical and biological treatment options for the removal of plant nutrients from wastewater and the processing of wastewater biosolids. Advanced lab techniques and the economics of treatment will be discussed. Prereq: 382/582 or cons instr.

WSTE 482/682. Land Application of Wastes. 1 cr. The properties of waste, environmental impacts, regulations, and equipment dealing with the processing/transportation/application of industrial and municipal wastes on land will be discussed. May not earn credit in both WSTE 482 and SOIL 482. Prereq: NRES 251.

WSTE/SOIL 484/684. Environmental Microbiology. 4 cr. Explore the role of beneficial and pathogenic micro-organisms in environmental media. Microbial occurrence, transport and survival processes will be emphasized. Soil and (waste) water environments will be a focus. Laboratory exercises will develop classic/current methods, and include small group and class projects. Pre-registration is required with the instructor. May not earn credit in both SOIL 484 and WSTE 484. Prereq: Cons instr. **WSTE 485/685. Solid Waste Management II.** 2 cr. Exposure to recycling of solid waste practices; methods for the collection and processing of solid waste recyclables will be explored. Conversion of waste material to energy via incineration, pyrolysis, and anaerobic conversion to methane will be discussed. Prereq: 380 or cons instr.

WSTE 486/686. Composting. 1 cr. Exposure to the theory and practice of controlled aerobic decomposition. Explore various methods of composting different types of waste materials. Learn lab techniques for compost testing. Tour of large and small composting facilities. May not earn credit in both WSTE 486 and SOIL 486. Prereq: NRES 251.

WSTE 487. Senior Thesis. 3 cr. Conduct independent research under direction of faculty member. Present research results at CNR undergraduate research symposium or a professional conference. Prereq: Sr st and overall GPA of 3.0 or higher.

WSTE 489. Industrial Environmental Management. 3 cr. Regulations, economic, and technical aspects of industrial waste (air, water, solid, and hazardous) generation, alternative methods of treatment, and release of treated materials to the environment. Does not count toward Waste Management major. May not earn credit in both PSEN 489 and WSTE 489. Prereq: MATH 120, CHEM 106.

WSTE 763. Waste Resource Issues. 1 cr. Investigate solid and liquid waste issues such as: composting, recycling, landfills, on-site wastewater treatment systems, industrial and municipal wastewater treatment systems.

WILDLIFE ECOLOGY AND MANAGEMENT (Bachelor of Science)

Timothy Ginnett, Coordinator

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Web: www.uwsp.edu/wildlife

Faculty: E Anderson, S DuBay, T Ginnett, J Riddle, K Russell.

Adjunct Support: D. Caporale, D Ginnett, T Huspeni, R Rosenfield, C Yahnke.

Definition: In the wildlife ecology major you will develop problem-solving and scientific skills and understand the social influences and ecological interactions that impact on wildlife management and conservation biology.

Wildlife Ecology Major Admission Procedures

1. Students are formally admitted to the major once each year during spring semester. Students follow the normal procedure for applying to any CNR major.
2. Wildlife ecology is a limited-enrollment major. It is possible that you might meet the minimum requirements listed below but not be admitted into the major. The number of graduates each year will

determine how many students are accepted into the program.

Academic Requirements

3. In order to be admitted to either of the wildlife ecology major options you must meet the following minimum requirements:
 - a. Have completed at least 45 semester credits either at UW-Stevens Point and/or transferred to UW-Stevens Point (i.e. have at least second semester sophomore standing).
 - b. Earn a 2.5 cumulative grade point average on all college work attempted at UW-Stevens Point and/or transferred to UW-Stevens Point from other institutions.
 - c. Complete NRES 150, 151, 250 and 251, and WLDL 100 or their transfer equivalents with passing grades. It is permissible to be enrolled in one or more of these courses at the time of application.
4. If you are not accepted into the major you may reapply once.
5. You may petition the wildlife discipline coordinator if you do not meet these standards.

Academic Standards for Wildlife Ecology

To graduate with a major or minor in the wildlife ecology discipline you must have a 2.50 minimum cumulative grade point average.

Wildlife Ecology Major

Consists of 98-100 credits.

1. Wildlife core, 35 credits: NRES 150, 151, 250, 251; WLDL 100, 311, 350, 353, 354 (or WATR 354), 450, 451, 458.
2. Collateral courses, 32-33 credits:
 - a. BIOL 130, 160, 210, 342, 370 or 381, 377 or 378.
 - b. MATH 111; MATH 355 or FOR 321; GEOG 279.
 - c. ECON 110 or NRES 372.
 - d. Take 2 or 3 credits from the following: BIOL 305; WLDL 332, 334, 355 or 360 (or WATR 360).
 - e. Three credits from BIOL 361 (or WATR 361) or WATR 387; BIOL374, 376 (or 377 or 378 if not taken previously).
 - f. CHEM 105; PHYS 201 or 202.
 - g. Three credits from ENGL 248, 250, 254, 348, 351, 354, or 358.
 - h. Three credits from NRES 301, 320, 388; COMM 280.
3. Field Techniques in Natural Resources, 7 credits: FOR 319, 320, NRES 405; SOIL 359, 360, WATR 380, WLDL 340, or 8 credits of NRES 475.
4. The Wildlife Ecology Major satisfies the Interdisciplinary Studies GEP requirement. For more information, see the [GEP](#) section of the Catalog.

Communication in the Major: for both wildlife ecology options, the GEP Communication in the Major requirement is met by taking both WLDL 350 and 451.

Capstone Experience: The GEP Capstone Experience is met by WLDL 451.

Wildlife Minor

Consists of 20-21 credits:

1. NRES 250, WLDL 353, 354 (or WATR 354), 451, choice of WLDL 458 or NRES 458.
2. One course from BIOL 377, 378, or WLDL 372.
3. One course from WLDL 311, 350, 450; NRES 459.

Captive Wildlife Minor

The minor is open to majors in the College of Natural Resources or Biology. Students with majors in other areas must first meet with the coordinator for the captive wildlife minor to be considered.

1. Students must complete BIOL 130 and 160 (or BIOL 101 if majoring in Resource Management – Education and Interpretation) prior to admittance.
2. Students must declare and be admitted to the minor before completion of 70 credit hours toward graduation.

Consists of at least 27 credits:

1. WLDL 321, 322, 355, 458 or NRES 458; BIOL 362, 381.
2. At least one credit from WLDL 305, 332, 334; BIOL 498, 386 (or WATR 386) or 388 with captive wildlife topics and prior coord approval.
3. Internship: 3 credits from WLDL 381 involving captive wildlife with prior approval of internship coord.
4. Six credits from WLDL 372; NRES 320 or 368.
5. To be admitted to the minor and to graduate with a minor in captive wildlife you must have 2.25 minimum cumulative grade point average.

Conservation Biology Minor

Consists of 23-25 credits.

1. Required core, 12 cr: BIOL 305; NRES 324 or NRES 457; NRES 458 or WLDL 458; NRES 459.
2. Economics, policy, and planning, 6 cr:
 - a. NRES 372 or ECON 342.
 - b. One course from POLI 304, 305; NRES 473, 474, 484, 495.
3. Biological support, 5-7 cr:
 - a. Plant taxonomy/ecology: one course from BIOL 342, 355; FOR 332.
 - b. Animal taxonomy: one course from BIOL 361 (or WATR 361), 367, 374, 376, 377, 378; FOR 426; WATR 387; WLDL 372.
4. To graduate with a minor in conservation biology you must have a 2.25 minimum cumulative grade point average.

Courses in Wildlife

WLDL 100. Wildlife Profession and Preparation. 1 cr. pass/fail. Provide a background on careers in the wildlife field and an overview of skill development necessary to work in the field. Exposure to opportunities in research, internships, and extracurricular, as well as guidance on creating an effective program of study. Prereq: Wildlife major or cons instr.

WLDL 305/505. Selected Topics in Wildlife Ecology and Management. 1-3 cr. Selected concepts, practices, principles, issues in wildlife management. May repeat under different subtitles. Prereq: CNR or biology major or written cons instr. (I, II)

WLDL 311/511. Quantitative Methods for Wildlife and Fisheries Research and Management. 3 cr. Practical experience in formulating hypotheses, designing field studies, analyzing and interpreting data commonly collected in wildlife and fisheries research and management. Through examples and collected data sets, learn appropriate design, selection of quantitative methods, biological interpretation of results, field complications, and impacts of violations of assumptions. Prereq: MATH 355 or FOR 321; CNR major or written cons instr. (I, II)

WLDL 321. Principles of Captive Wildlife Management. 2 cr. Role of captive wildlife management in conservation, research, economics, recreation, and education; impact of confinement on behavior, nutrition and health; legislation relating to capture, transport, and housing of wild animals. Prereq: BIOL 160, CNR or biology major or written cons instr. (I)

WLDL 322. Techniques of Captive Wildlife Management. 2 cr. Design and administration of facilities; techniques for restraining and handling captive wildlife; sanitation and common diseases, parasites and other problems associated with confining wild animals. Prereq: 321, CNR or biology major or written cons instr. (II)

WLDL 332/532. Carnivore Ecology. 2 cr. Global survey of the taxonomy, ecology, behavior, management and conservation of carnivores. Prereq: Bio 160; NR 151 or Bio 305.

WLDL 334/534. Ungulate Ecology. 3 cr. Survey of the world's ungulate fauna with primary emphasis on North America. Examine taxonomy, evolution, nutrition, behavior, population dynamics, and community ecology of hooved mammals. Prereq: Bio 160; NR 151 or Bio 305.

WLDL 340. Field Experience in Wildlife Management Techniques. 1 cr. Investigate ecological relationships and apply selected wildlife management techniques of habitat evaluation, capturing, marking, monitoring, and censusing animals for integrated resource management. Prereq: NRES 250, 2.00 GPA in major; CNR major or written cons instr. (SUM)

WLDL 350/550. Wildlife Management Techniques. 3 cr. Techniques for managing wildlife populations: aging and sexing criteria, capture, handling and control methods, censusing, assessing food habits and quality, estimating home ranges, quantifying habitat relationships, modeling land use impacts, and conducting research studies. Prereq: 311, Summer Field Experience, ENGL 254, 353, 354, or 358; CNR major or written cons instr. (I, II)

WLDL 353/553. Wildlife and Fish Population Dynamics. 3 cr. Mathematical, ecological, physiological, and behavioral characteristics of fish and wildlife population fluctuations. Use of models for characterizing fluctuations, and techniques for sampling, monitoring, and modeling survival, growth, reproduction, population size. May not earn credit in both WLDL 353 and WATR 353. Prereq: NRES 250; BIOL 160, 305; MATH 111, and 355. (I, II)

WLDL 354/554. Wildlife and Fish Populations Dynamics Methods. 1 cr. Demonstration of methods for modeling and dynamics of fish and wildlife populations, including abundance, survival, growth, and reproduction (recruitment). May not earn credit in both WLDL 354 and WATR 354. Prereq: NRES 250; BIOL 160 and 305; MATH 111 and 355. (I, II)

WLDL 355/555. Wildlife Diseases. 2 cr. Occurrence, importance, and ecologic impact of infectious, parasitic, and chemical diseases of wildlife. Prereq: BIOL 160 or written cons instr. (II)

WLDL 356/556. Wildlife Disease Methods. 1 cr. Methodology used to identify and study wildlife diseases in the field and laboratory. Prereq: Con reg in 355/555 or written cons instr. (II)

WLDL 360/560. Wetlands Ecology and Management. 3 cr. Investigate physical, chemical and biological processes of wetlands, and how these processes relate to the maintenance and enhancement of our nation's natural resources. Study wetland functions and values and wetland habitat classification systems. May not earn credit in both WLDL 360 and WATR 360.

Prereq: NRES 150, 151, 250, 251 and Field Techniques in Natural Resources, or cons instr. (II)

WLDL 372/572. Wildlife of North America. 3 cr. Identification, life history, economic and ecological importance of North American fish and wildlife that are the focus of wildlife management, game enforcement and environmental studies. Emphasis on species for environmental law enforcement and environmental education personnel. 2 hrs lec, 2 hrs lab per wk. Prereq: 151 and 250; BIOL 160. (I, II)

WLDL 381/581. Internship in Wildlife. 1-12 cr. Supervised training program in wildlife, in cooperation with private or public resource agencies. 1 cr for 2-4 wks (40 hrs per wk) of work. Credits and/or addl requirements set before registration. May repeat once for 12 cr max. Prereq: FOR 319, 320, WLDL 340, SOIL 359, 360, and WATR 380; or NRES 475; 2.00 GPA in major; and/or cons intern director; CNR major or written cons instr. (I, II, SUM)

WLDL 450/650. Human Dimensions of Wildlife. 3 cr. Survey and evaluate research relating to human dimensions of wildlife/fisheries management; review values, satisfactions, and attitudes associated with consumptive and nonconsumptive uses of wildlife and fish. Prereq: CNR major or written cons instr. (II)

WLDL 451/651. Management of Wildlife Habitat. 4 cr. Principles and practices of habitat management for wildlife in North America. Prereq: Summer Field Experience, ENGL 254, 353, 354, or 358; CNR major or written cons instr. (I, II)

WLDL 458/658. Wildlife Ecology and Conservation Biology. 3 cr. Apply basic principles of traditional ecology, landscape ecology, genetics, and behavior to management for biological diversity. Develop critical thinking skills to evaluate and synthesize information to solve wildlife-related natural resource issues of diversity and scarcity. Prereq: 451 or con reg, CNR or biology major or written cons instr. (I, II)

WLDL 459/659. Ecosystem Management and Restoration Ecology. 3 cr. Methods for managing and restoring ecosystems for biological diversity and sustainable use. Prereq: 458 or NRES 458. (II)

WLDL 493/693. Wildlife Field Seminar. 1-2 cr. 1 cr may be pass/fail. For 2 cr, complete comprehensive report on field experience. Prereq: Cons instr. (On demand)

WLDL 499. Special Work. Upperclass wildlife majors may arrange for independent study with consent of the assoc dean. Credit based on scope of project. Prereq: CNR major or written cons instr. (I, II)

WLDL 740. Wildlife Issues Investigations. 1 cr. Apply ecological principles and management techniques to study relationships between wildlife issues and land uses, culture, economic and political actions. Prereq: BIOL 305 or equiv, and cons instr. Certified elementary and secondary teachers only. (SUM)

WLDL 742. Ecological Data Analysis. 3 cr. Principles and techniques for ecological data analysis, emphasizing model building and hypothesis testing. Study design and traditional statistical approaches. Also power analysis, resource selection functions, spatial statistics, time-series analysis, and population viability analysis. Prereq: MATH 355 or FOR 321 or written cons instr.

WLDL 752. Advanced Studies in Wildlife. 1-3 cr. Survey literature concerned with ecology and management of wildlife. (On demand)

WLDL 758. Animal Ecology and Conservation Biology. 3 cr. Advanced topics in animal communities including species diversity, rarity, meta-populations, animal invasions, complex species interactions, and animals as regulators of ecosystem functioning. Emphasis on evaluating recent theories with empirical information. Prereq: 458/658 and BIOL 305 or written cons instr.

Wildlife Latent Course: Not offered recently. See full course description in indicated (xx-xx) catalog.

- 320 Wildlife and Society: Contemp Issues, 1-3 cr, (95-97)
 754 Behavioral Ecology, 3 cr, (11-13)
 762 Quantitative Ecology, 3 cr, (11-13)

Natural Science

(College of Letters and Science)

David Ozsvath, Coordinator
 Room D-332, Science Building
 Phone: 715-346-2287
 Email: dozsvath@uwsp.edu

The major in natural science may be applied toward a degree in the College of Letters and Science or used in the School of Education of the College of Professional Studies for Department of Public Instruction certification in broad-field science.

Enrollment caps are in effect for those seeking teacher certification. Contact the natural science coordinator early for entrance requirements and application procedures. Also see information about the Professional Education Program and the secondary education curriculum for teacher certification in the [Education](#) section of this catalog.

Natural Science Major

Please visit the online catalog at www.uwsp.edu/acadaff/Catalog%20PDF/currentcatalog.pdf for the most up-to-date information on this major.

Natural Science Broad-Field Minor

Consists of 25 credits, at least 5 from each area:

1. Earth science: ASTR 205, 206 or 311; GEOG 101, 352, 353, 354; GEOL 104 and 106, 200, 330, 370.
2. Life Science: BIOL 101, 130, 160.
3. Physical Science: CHEM 101, 105, 106, 114, 117; PHYS 101, 203, 204, 150, 250, 275.
4. See individual departments (astronomy, biology, chemistry, geography, geology, physics) for course combination restrictions.

Natural Science Broad-Field Minor for Elementary Education Majors

Consists of at least 31 credits, for elementary education majors only:

1. At least 5 credits from each area:
 - a. Earth science: ASTR 205, 206 or 311; GEOG 101, 352, 353, 354; GEOL 104 and 106, 200, 330, 370.
 - b. Life Science: BIOL 101, 130, 160.
 - c. Physical Science: CHEM 101, 105, 106, 114, 117; PHYS 101, 203, 204, 150, 250.
2. Required, 6 credits: EDUC 325, Natural Res 370.
3. See individual departments ([astronomy](#), [biology](#), [chemistry](#), [geography](#), [geology](#), [physics](#)) for course combination restrictions.

Academic Standards for Natural Science

1. To be approved for graduation, you must have a minimum overall grade point average of 2.00 (2.75 to student teach) in all courses included in your natural science major or minor, regardless of any declaration of academic bankruptcy.
2. In addition, you must meet the minimum GPA required for the minor that goes with the natural science option you are pursuing. See descriptions of the minors in the earth science, biology, chemistry, or physics sections of this catalog.
3. See the [More Academic Information](#) section of this catalog for the policy on repeating courses.

Nursing

(College of Professional Studies)

School of Healthcare Professions
 Room D-127, Science Building
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 Email: shcp@uwsp.edu
 Carole Paulson, Nursing Director
 Room 110, CPS
 Phone : 715-346-4740
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Accreditation

UW-Stevens Point is currently seeking accreditation from The Professional Program in Nursing from the Commission on Collegiate Nursing Education.

Courses in Nursing

NURS 310. Professional Essentials. 1 cr. Orientation to nursing major including skill building in writing, navigating the online environment, and components of professional nursing practice. Prereq: nursing major.

NURS 407. Foundations of Professional Nursing Practice. 3 cr. Apply philosophical perspectives, theories, and standards to the practice of professional nursing. Analyze factors influencing nursing/health care delivery. Enhance professional communication skills. Prereq: 310; ENGL 150 or 202; nursing major; R.N. license.

NURS 441. Chronic Care Management. 3 cr. Explore interaction of biological, psychological, social, and environmental factors important to understanding management of chronic conditions at the individual, family, community, and social levels. Prereq: 310; nursing major; R.N. license.

NURS 446. Research and Evidence-Based Practice. 3 cr. Introduction to importance of research to improve clinical practice, strategies to evaluate the quality of research and evidence, and increase integration of research into practice. Prereq: 310; HS 301 or MATH 355; nursing major; R.N. license.

NURS 447. Leadership and Management. 3 cr. Examine nursing leadership and management using relevant theories and concepts. Analyze decision-making in relation to communication, delegation, supervision, and group process. Prereq: 310; nursing major; R.N. license.

NURS 452. Aging and Health. 3 cr. Explore normal aging and lifestyle factors that promote optimal aging or lead to health alterations. Examine coping and facilitation of elders' achievement of health goals. Prereq: 310; ENGL 150 or 202; nursing major; R.N. license.

NURS 453. Information Management and Health Care Technology. 3 cr. Utilize computer and information/decision science to support quality and safety in health care. Explore informatics issues and examine nursing's role in healthcare

technology. Opportunities to use and master various healthcare technologies and healthcare data will be given. Prereq: 310; HS 301 or MATH 355; nursing major; R.N. license.

NURS 484. Community Health Nursing. 3 cr. Nursing care of populations and communities to facilitate optimal health outcomes. Prereq: 310; nursing major; R.N. license.

NURS 486. Selected Topics in Nursing. 3 cr. Major topics in nursing. Subtitle will identify the area. Availability varies. Prereq: 310, nursing major; R.N. license.

NURS 490. Concepts in Nursing Practice. 3 cr. Experiential learning in community settings applying theory, research, critical thinking, and reasoning using tools of reflection, writing, and discussing. Prereq: 484 or con reg; nursing major; R.N. license; cons instr.

NUTRITION

See [Health Promotion and Human Development](#).

OCCUPATIONAL THERAPY

See [Health Care Professions](#).

OUTDOOR EDUCATION

See [Natural Resources](#) and/or [Physical Education & Athletic Training](#).

OVERSEAS STUDY PROGRAM

See [International Programs](#) in the *More Academic Information* section of this catalog.

Paper Science and Engineering (College of Natural Resources)

Karyn Biasca, Chair
Room D-274, Science Building
Phone: 715-346-3962

Email: papersci@uwsp.edu
Web: www.uwsp.edu/papersci

Faculty: M. Alkasrawi, K. Biasca, B. Dubey, R Gong.

Abbreviations:

PSEN = Paper Science and Engineering

Paper Science and Engineering Major (Bachelor of Science)

Consists of major, collateral requirements totaling 108 credits (103 if taking CHEM 117). (See Paper Science and Engineering course listings for descriptions.)

1. Paper science and engineering, 48 credits: 210, 215, 314, 320, 326, 350, 355, 365, 385, 430, 440, 460, 475, 484, 486.
2. Mill internship: 3 credits: PSEN 300.
3. Collateral courses, 57 credits (52 if taking CHEM 117): CHEM 117 (or 105 and 106), 248, 325, 326, and 335 (these courses satisfy the requirements for a chemistry minor); ECON 110; MATH 120, 121 222, 320; PHYS 150, 250; PSEN 489 or WSTE 489.
4. Communication in the Major is satisfied by earning credit in both PSEN 350 and 486.
5. Capstone Experience is satisfied by earning credit in both PSEN 484 and 486.

Pre-chemical Engineering

Take the following science and mathematics courses in your freshman and sophomore years: CHEM 105 and 106 (or 117), 248, 325, 326; MATH 120, 121, 222; PHYS 150, 250. Specific chemical engineering curricula and universities have individual requirements. See a paper science and engineering adviser for additional requirements and suggested electives. For pre-engineering in preparation for mechanical, civil, electrical and other areas of engineering, see [pre-engineering](#) under *Physics and Astronomy* later in this catalog.

Academic Standards for Paper Science and Engineering Major

To be approved for graduation with a Paper Science and Engineering (PSEN) major, you must:

1. Have a minimum grade point average of 2.00 in all PSEN courses and required collateral courses.
2. Have no grade below C- in any PSEN, chemistry, mathematics, or physics courses numbered below 299 required in the PSEN major, and
3. Apply no grade below C- in PSEN and collateral courses numbered 300 or above to the major.

Biofuels Engineering Minor

Consists of 28-33 credits:

1. CHEM 105 and 106 or 117, 220 or 325.
BIOL 130, 352, 451.
PSEN 450, 452.
NRES 341.

Courses in Paper Science and Engineering

PSEN 103. Paper, Society and the Environment. 3 cr. Study lifecycle of paper; raw materials; manufacturing; economic impact on society, recycling and sustainability; alternative disposal methods; impact on environment; policy and politics of pulp and paper industry. GDR: EL; GEP: ER

PSEN 105. Freshman Forum. 1 cr; pass/fail. Orientation to technical and professional aspects of paper and allied industries; presentations by students, faculty, and guest lecturers.

PSEN 110. Introduction to Environmental Engineering. 3 cr. The interdisciplinary nature of environmental engineering; determining the characteristics of surface water, wastewater, and treated water; the unit operations and processes in water and wastewater treatment; air pollution fundamentals; storm water quality management; solid and hazardous waste management; brief overview of environmental regulations, management, impact and sustainability.

PSEN 210. Pulp and Paper Laboratory Methods. 3 cr. Laboratory methods in pulp, paper, and nonfibrous testing; microscopic techniques; emphasis on statistical analysis of data. 1 hr lec, 4 hrs lab per wk. Prereq: CHEM 117 or 105, or cons instr.

PSEN 215. Introduction to Process Engineering Calculations.

4 cr. Basic principles and techniques of engineering problem formulation and solution; material and energy balances, including chemical reactions and studies of advanced systems; thermodynamic properties and engineering data information management; introduction to computer modeling and simulation; applications to pulp and papermaking process engineering. Prereq: 210; CHEM 117 (or 106); MATH 120; or cons instr.

PSEN 300. Mill Internship. 3 cr. Paper science majors work 10 weeks in a pulp and paper mill, with emphasis on manufacturing assignments; comprehensive report required. Prereq: 215, Cons chair. GEP: XL

PSEN 314. Engineering Statistical Design and Analysis. 3 cr. Statistical methods for design, analysis and improvement of engineering experimentation and process operation: experimental design, regression analysis, modeling, analysis of variance, and six-sigma techniques. Prereq: 320, 350 and 385.

PSEN 320. Fluid Mechanics and Hydraulics. 3 cr. Properties of fluids; momentum transport phenomena; laminar and turbulent flow; measurement and control of flow; fluid machinery; engineering calculations and design; economic factors. 2 hrs lec, 3 hrs lab/disc per wk. Prereq: 215; MATH 222; PHYS 150; or cons instr.

PSEN 326. Heat Transfer Operations. 3 cr. Fundamental heat transfer mechanisms: conduction, convection, and radiation; heat transfer coefficients; heat exchange equipment; evaporation and evaporator systems; drying; economic factors; applications specific to pulp and paper processes; study of field operations. 2 hrs lec, 3 hrs lab per wk. Prereq: 320 or cons instr.

PSEN 350. Wood and Pulping Technology. 4 cr. Cellulose, hemicelluloses, lignin, wood extractives, wood and fiber microstructure; commercial pulping and bleaching processes. Effective use of technical literature and presentation of information. 3 hrs lec, 3 hrs lab/disc per wk; field trips to commercial operations. Prereq: 215 and CHEM 326.

PSEN 355. Paper and Fiber Physics. 4 cr. Fiber structure and properties; interfiber bonding; mechanical optical, chemical properties of paper; interrelations between structure, sheet formation, consolidation factors, and ultimate properties. Effective use of literature and presentation of information. 3 hrs lec, 3 hrs lab/disc per wk. Does not count toward major or minor in physics. Prereq: 350 or cons instr.

PSEN 365. Colloid and Surface Phenomena. 3 cr. Principles of colloid and surface chemistry; electrokinetic and base exchange phenomena; thermodynamics of interfacial systems; adsorption; applications to coatings, flocculation, fillers, and wet end additives. Prereq: CHEM 335.

PSEN 382/582. Water and Wastewater Treatment. 3 cr. Theory, practice and regulatory framework of water and wastewater treatment with a focus on control and design of physical, chemical and biological treatment processes. May earn credit in only one of PSEN 382/582, WATR 382/582 and WSTE 382/582. Prereq: 110 or NRES 251.

PSEN 385. Systems Engineering and Simulation. 3 cr. Modeling and simulation of pulp and papermaking systems; computer systems analysis; commercially available simulation hardware and software; model building for engineering systems; industrial case histories and economic systems optimization. 1 hr lec, 3 hrs lab/disc per wk. Prereq: 215 or cons instr.

PSEN 399. Research Problem. 1-3 cr. Upperclass paper science majors may arrange for special laboratory or field research in consultation with staff and industry with cons chair. Emphasizes problem analysis, literature searches, and communication of research results. Credit is based on scope of project.

PSEN 410. Leadership Practicum. 1 cr. Develop leadership and supervisory skills; instruction in laboratory safety. Prereq: Sr st.

PSEN 430. Mass Transfer Operations. 3 cr. Fundamental concepts; mass transfer coefficients; gas absorption; filtration; extraction; pulp washing systems; sedimentation; cooling, humidification, air conditioning; drying; applications specific to pulp and paper processes; study of field operations. 2 hrs lec, 3 hrs lab/disc per wk. Prereq: 326 or cons instr.

PSEN 440. Industrial Thermodynamics and Kinetics.

4 cr. Thermo-dynamic properties; energy and entropy balances; thermodynamics of energy conversion: combustion, steam, vapor power cycles; energy recovery systems; chemical kinetics and reaction engineering; economic and environmental factors; applications to pulp and paper processes; field trips. 3 hrs lec, 2 hrs lab/disc per wk. Prereq: 326 and CHEM 335; or cons instr.

PSEN 445. Paper Coating and Converting. 3 cr. Pigment coating materials/processes; converting operations including laminating, corrugating, extrusion and hot melt coating; functional coatings; presentations by staff/guest lecturers. Prereq: Sr st in paper sci or cons instr.

PSEN 450. Thermochemical Renewable Energy Production.

3 cr. Capstone course giving experience in converting natural materials into liquid fuels using thermochemical conversion pathways. Chemical reactions, yield, and efficiency of biofuel production will be discussed. Prereq: BIOL 352.

PSEN 452. Renewable Fuels Laboratory. 2 cr. Laboratory class providing hands-on learning opportunities in both thermochemical and biochemical renewable fuel production. Laboratory experiments will focus on extracting and preparing vegetable oil for transesterification into biodiesel and converting starch and cellulose into ethanol and other liquid alcohol and other liquid fuels. Opportunity to visit industrial facilities using thermochemical conversion technology to produce biofuel. Prereq: BIOL 352.

PSEN 460. Process Dynamics and Control. 3 cr. Dynamic model formulation and solution, using Laplace transform, analog, and digital computing techniques; control theories, strategies, and equipment; controller tuning; applications to pulp/paper processes; field trips. 3 hrs lec, 3 hrs lab/disc per wk. Prereq: 215 & MATH 320.

PSEN 475. Paper Machine Operations. 3 cr. Hydrodynamics of fibrous suspensions; dynamics of sheet formation and water removal; fundamentals of pressing; analysis of drying process in terms of heat and mass transfer; engineering calculations performed on full scale production paper machines; field trips to paper mills and affiliated industries. 2 hrs lec, 3 hrs lab/disc per wk. Prereq: 355 or cons instr.

PSEN 484. Engineering Design I. 2 cr. Engineering economics; interest and economic equivalence; methods of comparing project and investment alternatives. Ethical and professional issues in engineering. Basic principles of process design. Prereq: 355.

PSEN 486. Engineering Design Project. 3 cr. Engineering economics; interest and economic equivalence; methods of comparing project and investment alternatives. Individual student project includes project definition, equipment selection and sizing, capital and operating cost estimation, economic evaluation and justification; oral and written presentations. 2 hrs lec, 1 hr disc per wk. Prereq: 484.

PSEN 489. Industrial Environmental Management. 3 cr. Regulations, economic, and technical aspects of industrial waste (air, water, solid, and hazardous) generation, alternative methods of treatment, and release of treated materials to the environment. Does not count toward Waste Management major. May not earn credit in both PSEN 489 and WSTE 489. Prereq: MATH 120; CHEM 106.

Paper Science and Engineering Latent Course: Not offered recently. See full course description in indicated (xx-xx) catalog.

101	Intro to Pulp and Paper Processes, 3 cr, (03-05)
390/590	Special Topics in Paper Science, 1-3 cr, (09-11)
490	Seminar I, 1 cr, (05-07)
495	Seminar II, 1 cr, (05-07)

Peace Studies

(College of Letters and Science)

Brian Hale, Coordinator

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Web: www.uwsp.edu/history/pages/programs/peace_minor.aspx

Peace Studies Minor

Consists of 18 credits.

1. PAX 200.
2. After you complete PAX 200, take 12 credits from one area below. Consult with the coordinator to determine your area. No more than 6 credits from one department or discipline may apply. You may take 3 credits of 300 level independent study or special topics courses with coordinator consent. Courses with an asterisk must have coordinator's approval of topic.
 - a. **Conflict Studies:** COMM 280, 342*, 389*, 390*; HP/W 248; HIST 201, 302, 338, 360, 361, 371, 378, 385; INTL 391*; NRES 323; PAX 390, 399; PHIL 335; POLI 383, 385, 386, 387, 388; REL 302, 342.
 - b. **Global development:** ANTH 372; ECON 362; FN 357; FOR or HIST 392; GEOG 120, 340, 358; HIST 204, 214*, 215*, 303*; INTL 391*; NRES 220, 323; PAX 390, 399; PHIL 380, 381; POLI 305, 374, 376, 387; PSYC 320, 322; SOC 355, 360, 370; WATR 220.
 - c. **Social justice and human rights:** ANTH 110, 339, 371; COMM 373; ECON 328, 345; ENGL 374, 376; HIST 203, 288, 289, 290, 292, 301, 364; INTL 391*; PAX 390, 399; PHIL 350; POLI 331, 374, 388, 396, 414; PSYC 240, 320, 322; REL 302, 321*, 344; SOC 300; WGS 301.
3. PAX 490 or 491.

Courses in Peace Studies

PAX 200. Dilemmas of War and Peace: An Introduction to Peace Studies. 3 cr. Examine history of warfare and conditions of peace; role of cultural and political institutions; development of international conflict resolution and systems of peace. GDR: HU4; GEP: HU

PAX 390. Internship/Practicum. 1-3 cr. Under instructor supervision, work with organizations striving to advance peace and social justice. Research paper required. Credits set by instructor. May be repeated. Prereq: 200, 3 cr toward interest area and cons coord.

PAX 399. Special Work. 1-3 cr. Upperclass students may arrange for independent study with cons instr. Credit based on scope of project. Prereq: 200 and cons coord.

PAX 490. Seminar. 3 cr. Contemporary problems and "classic" texts in peace studies; research and analysis. Prereq: 200 and 9 cr toward interest area.

PAX 491. Senior Thesis. 3 cr. Research and analysis of a topic reviewed by faculty from at least two disciplines. Prereq: 200, 9 cr toward interest area and cons coord.

Philosophy (College of Letters and Science)

David Chan, Chair of Philosophy Department

Room 489, Collins Classroom Center

Phone: 715-346-3340

Email: philosophy@uwsp.edu

Web: www.uwsp.edu/philosophy

Faculty:

Philosophy: D Chan, C Diehm, K Fry, C Horn, J Sage, J Waligore, D Warren.

Religious Studies: A Keefe, S Luft, L Whitmore.

Anthropology: I Choi, T Jennings.

Definitions: Philosophy is the rigorous examination of issues that cannot be resolved through empirical observation or experiment, such as the status of ethical judgments, the existence of God, and what counts as good reason for belief.

Religious Studies is the cross-cultural and comparative examination of humanity's diverse religious traditions.

Anthropology is the study of human cultural, linguistic and biological diversity, both in a contemporary context and in the context of historical and biological evolutionary changes that have resulted in a rich archaeological and ethnographic record of human physical and cultural adaptation and variety.

Mission: The Department of Philosophy, housing the disciplines of philosophy, religious studies, and anthropology, trains you in the skills of critical thinking, written and oral communication, and empathetic engagement with diverse worldviews, cultures, ethical systems and religions. The training we offer equips you with the skills needed for a wide variety of professional careers and with the ability to adapt to the inevitable changes and challenges they will face after graduation.

Philosophy Major (Bachelor of Arts)

Consists of a minimum of 35 credits including:

1. Logic: PHIL 322
2. HIST: PHIL 325, 326, and 327. This (in conjunction with PHIL 490) will satisfy the Communication in the Major requirement.
3. Value theory: One course from PHIL 302, 303, 305, 307, 315, 335, 336, 350.
4. Metaphysics/Epistemology: One course from PHIL 306, 310, 312, 320, 345, 360, 385.
5. Seminar: PHIL 490. This will satisfy the Capstone Experience requirement and (in conjunction with PHIL 325, 326, and 327) satisfy the Communication in the Major requirement.
6. Electives: At least 6 additional credits in philosophy which may include either 100 or 101, but not both.
7. **Bachelor of Arts in Philosophy:** Complete a two-semester sequence of university entry-level world language courses (101, 102). The requirement may be fulfilled through equivalent coursework or other language acquisition as demonstrated through a test-out policy (including Native American languages and American Sign Language). If your native language is not English and you can document formal high school or university study of your native language, then you may use ENGL 101 and 202, or ENGL 150 as a means of fulfilling this foreign language requirement.

Philosophy Major (Bachelor of Science)

Consists of a minimum of 30 credits including:

1. Logic: PHIL 322
2. HIST: PHIL 325, 326, and 327. This (in conjunction with PHIL 490) will satisfy the Communication in the Major requirement.
3. Value theory: One course from PHIL 302, 303, 305, 307, 315, 335, 336, 350.
4. Metaphysics/Epistemology: One course from PHIL 306, 310, 312, 320, 345, 360, 385.
5. Seminar: PHIL 490. This will satisfy the Capstone Experience requirement and (in conjunction with PHIL 325, 326, and 327) satisfy the Communication in the Major requirement.
6. Electives: At least 6 additional credits in philosophy which may include either 100 or 101, but not both.
7. **Bachelor of Science in Philosophy:** Take at least 9 credits total from the GEP Social Science and Natural Science categories.

Environmental Ethics Concentration for Philosophy Major (Bachelor of Arts)

Consists of a minimum of 41 credits including:

1. Logic: PHIL 121 or 322.
2. HIST: PHIL 325, 326, 327. This (in conjunction with PHIL 480) will satisfy the Communication in the Major requirement.
3. Value theory: One course from PHIL 302, 303, 305, 307, 315, 335, 336, 350.
4. Environmental ethics: PHIL 380 and 480. PHIL 480 will satisfy the Capstone Experience in the Major requirement and (in conjunction with PHIL 325, 326, and 327) satisfy the Communication in the Major requirement.
5. Tier 1 electives: 3 credits from PHIL 303, 306, 307, 310, 315, 320, 350, 351.
6. Tier 2 electives: 9 credits (at least 6 must be 300 level or higher, and no more than 6 credits may be in philosophy) from: ANTH 372; BIOL 305, 308, 311, 353; CLS 395; COMM 230, 240, 280; ECON 342; ENGL 248, 348, 358, 363, 365, 392; FOR 232; GEOG 100, 340, 371; GEOL 330; HIST 204 (formerly 260), 280 (formerly 366), 304, 380 (formerly 394); NRES 150, 151, 320, 323, 330, 370, 395, 412, 458, 459, 460, 491; PHIL 345, 381, 385; POLI 304, 305; SHP 330; SOC 355.

Other courses not listed here may count with approval of the Environmental Ethics concentration director.

7. **Bachelor of Arts in Philosophy – Environmental Ethics:** Complete a two-semester sequence of university entry-level world language courses (101, 102). The requirement may be fulfilled through equivalent coursework or other language acquisition as demonstrated through a test-out policy (including Native American languages and American Sign

Language). If your native language is not English and you can document formal high school or university study of your native language, then you may use ENGL 101 and 202, or ENGL 150 as a means of fulfilling this foreign language requirement.

Environmental Ethics Concentration for Philosophy Major (Bachelor of Science)

Consists of a minimum of 36 credits including:

1. Logic: PHIL 121 or 322.
2. HIST: PHIL 325, 326, 327. This (in conjunction with PHIL 480) will satisfy the Communication in the Major requirement.
3. Value theory: One course from PHIL 302, 303, 305, 307, 315, 335, 336, 350.
4. Environmental ethics: PHIL 380 and 480. PHIL 480 will satisfy the Capstone Experience in the Major requirement and (in conjunction with PHIL 325, 326, and 327) satisfy the **Communication in the Major** requirement.
5. Tier 1 electives: 3 credits from PHIL 303, 306, 307, 310, 315, 320, 350, 351.
6. Tier 2 electives: 9 credits (at least 6 must be 300 level or higher, and no more than 6 credits may be in philosophy) from: ANTH 372; BIOL 305, 308, 311, 353; CLS 395; COMM 230, 240, 280; ECON 342; ENGL 248, 348, 358, 363, 365, 392; FOR 232; GEOG 100, 340, 371; GEOL 330; HIST 204 (formerly 260), 280 (formerly 366), 304, 380 (formerly 394); NRES 150, 151, 320, 323, 330, 370, 395, 412, 458, 459, 460, 491; PHIL 345, 381, 385; POLI 304, 305; SHP 330; SOC 355.
Other courses not listed here may count with approval of the Environmental Ethics concentration director.
7. **Bachelor of Science in Philosophy – Environmental Ethics:** Take at least 9 credits total from the GEP Social Science and Natural Science categories.

Religious Studies Concentration for Philosophy Major (Bachelor of Arts)

Consists of a minimum of 47 credits including:

1. **Philosophy core**, 12 credits.
 - a. **Logic:** PHIL 121 or 322.
 - b. **Ethics:** PHIL 101, 302, 305, 335, 336, 350, 351, or 380.
 - c. Any two additional courses in philosophy.
2. **Religious studies concentration**, 27 credits. At least 18 must be 300 level or above.
 - a. **Introduction to the Study of Religion:** REL 202. This (in conjunction with REL 450) will satisfy the Communication in the Major requirement.

- b. **Global Religions 1: Asian and Indigenous Traditions:** Two courses from REL 100, 316, 333, 340, 341, PHIL 105, or ANTH 320.
 - c. **Global Religions 2: Western Traditions:** Two courses from REL 101, 302, 303, 304, 305, 311, 325, 330, or 342.
 - d. **Senior seminar:** REL 450. This will satisfy the Capstone Experience requirement and (in conjunction with REL 202) satisfy the Communication in the Major requirement.
 - e. **Electives:** A minimum of 9 additional credits from religious studies or collateral courses including: ANTH 110, 320, 380; ART 270, 374; HIST 332, 357; PHIL 320, 327, 330; POLI 324.
3. **Bachelor of Arts in Religious Studies:** Complete a two-semester sequence of university entry-level world language courses (101, 102). The requirement may be fulfilled through equivalent coursework or other language acquisition as demonstrated through a test-out policy (including Native American languages and American Sign Language). If your native language is not English, and you can document formal high school or university study of your native language, then you may use ENGL 101 and 202, or ENGL 150 as a means of fulfilling the foreign language requirement.

Religious Studies Concentration for Philosophy Major (Bachelor of Science)

Consists of a minimum of 42 credits including:

1. **Philosophy core**, 12 credits.
 - a. **Logic:** PHIL 121 or 322.
 - b. **Ethics:** PHIL 101, 302, 305, 335, 336, 350, 351, or 380.
 - c. Any two additional courses in philosophy.
2. **Religious studies concentration**, 27 credits. At least 18 must be 300 level or above.
 - a. **Introduction to the Study of Religion:** REL 202. This (in conjunction with REL 450) will satisfy the Communication in the Major requirement.
 - b. **Global Religions 1: Asian and Indigenous Traditions:** Two courses from REL 100, 316, 333, 340, 341, PHIL 105, or ANTH 320.
 - c. **Global Religions 2: Western Traditions:** Two courses from REL 101, 302, 303, 304, 305, 311, 325, 330, or 342.
 - d. **Senior seminar:** REL 450. This will satisfy the Capstone Experience requirement and (in conjunction with REL 202) satisfy the Communication in the Major requirement.
 - e. **Electives:** A minimum of 9 additional credits from religious studies or collateral courses including: ANTH 110, 320, 380; ART 270, 374; HIST 332, 357; PHIL 320, 327, 330; POLI 324.
3. **Bachelor of Science in Religious Studies:** Take at least 9 credits total from the GEP Social Science and Natural Science categories.

Philosophy Minor

Consists of a minimum of 18 credits including:

1. Logic: PHIL 121 or 322.
2. HIST: Two courses from PHIL 325, 326, or 327.
3. One course at 300 level or higher that may include 322 if 121 is taken to fulfill the logic requirement.
4. Electives: At least 6 additional philosophy credits.

Philosophy Honors Program

The Department of Philosophy offers an honors program for students majoring in philosophy, philosophy with a concentration in environmental ethics, or philosophy with a concentration in religious studies. To apply for admission:

1. Have at least 30 university credits.
2. Have 6 credits in philosophy or religious studies with a GPA of 3.5 or higher.
3. Contact the department chair or department honors adviser.

Requirements for philosophy honors are:

1. Complete all the requirements for the major with a GPA of at least 3.5 for courses in the major.
2. Complete a minimum of 6 honors credits in philosophy and/or religious studies courses with a grade of "A Honors."
3. Complete one credit "Independent Study: Honors Project" in PHIL 399 or REL 399.

Academic Standards for Philosophy

1. To ensure that your program is as well planned as possible, the Philosophy Department requires each major or minor to have a departmental adviser.
2. You must have your adviser's approval on all philosophy courses you select to apply to the major or minor.
3. You may apply selected upper division religious studies courses with adviser approval to your philosophy major or minor if it will strengthen your program.
4. To be accepted and retained as a major or minor and approved for graduation, you must have a minimum grade point average of 2.50 in courses counted toward the major or minor, including transfer credits and regardless of any declaration of academic bankruptcy. Courses taken pass/fail or with a grade lower than C- may not be counted toward the major or minor. You may repeat a course in the major or minor only if you follow the policy on repeating courses found in the [More Academic Information](#) section of this catalog.
5. Courses in philosophy are open to all students who meet the prerequisites.

Test-out Policy for Philosophy

You may apply to test out of any course in philosophy, religious studies or anthropology that meets one or more of the General Education Program (GEP) requirements. The department chair will make arrangements for the test. You will work with a designated faculty member

who will confer with you regarding date, site, question format, etc. The faculty member will prepare a comprehensive written exam, grade it and inform you in writing of your grade within two weeks of taking the exam. If you receive a grade of B or higher, the corresponding GEP requirement will be waived. The department assumes no responsibility for preparing you for test-out examinations. You may not apply to test out of a course in which you are currently enrolled. You may not attempt to test out of a course more than once.

Courses in Philosophy

PHIL 100. Introduction to Philosophy. 3 cr. Survey of important problems in philosophy such as the nature of reality, knowledge, and value. GDR: HU3; GEP: HU

PHIL 101. Contemporary Moral Problems. 3 cr. An attempt to clarify selected contemporary moral issues by applying insights of moral philosophy and tools of critical reflection. GDR: HU3; GEP: HU

PHIL 104. The Ways of Philosophy: Searching for a Worthwhile Life. 3 cr. Introduction to eastern and western ways of philosophy that have guided people throughout history.

PHIL 105. Philosophy and Religion of India and China. 3 cr. Introduction to origin and development of Indian and Chinese thought and religion, with emphasis on Hinduism, Buddhism, Taoism, and Confucianism. GDR: HU3, NW; GEP: GA, HU

PHIL 121. Critical Thinking. 3 cr. Fundamental principles of reasoning including recognition, analysis, and evaluation of arguments. GDR: HU3; GEP: HU

PHIL 199. Reading in the Discipline. 1 cr; pass/fail. Improve critical reading and thinking skills. Taken in conjunction with designated sections of philosophy courses.

PHIL 230. Philosophy of Human Nature: Eastern and Western. 3 cr. Introduction to Eastern and Western theories about human nature, the human condition, and their ethical implications. GDR: HU3, NW

PHIL 270. Liberalism, Conservatism and Democracy. 3 cr. Examine central ideologies in American politics through classic and contemporary texts. Philosophical foundations and practical applications in critical perspective. May not earn credit in both PHIL 270 and POLI 270. GDR: HU3; GEP: HU

PHIL 301. Philosophy in a Popular Mode. 3 cr. Interpret and discuss selected popular works of philosophic interest. Subtitle will designate topic. GDR: HU3; GEP: HU

PHIL 302. Ethics and Medicine. 3 cr. Critical examination of ethical issues in medicine and health care. GDR: HU3

PHIL 303. Philosophy of Art. 3 cr. Examine traditional and contemporary theories about nature and function of art, processes of artistic creation and appreciation, and philosophical problems in art criticism.

PHIL 304. Ethics in Business and Economics. 3 cr. Apply ethical concepts from selected readings and case studies to business management, economic policy, and the organization of work.

PHIL 305/505. Ethics. 3 cr. Critical examination of moral concepts and representative ethical systems. GDR: HU3

PHIL 306. Philosophy of Science. 3 cr. Examine scientific inquiry, including theory formation, justification and change. GDR: HU3; GEP: HU

PHIL 307. Science and Value. 3 cr. Examine relationship between scientific knowledge and basic moral values. GDR: HU3; GEP: HU

PHIL 310. Metaphysics. 3 cr. Philosophical theories of reality. May include personal identity, the nature of mind, substance, causation.

PHIL 312. Epistemology. 3 cr. Study of nature, limits, and bases of human knowledge.

PHIL 315/515. Philosophy of Law. 3 cr. Examine central legal concepts including natural law, and structure of legal reasoning. GDR: HU3

PHIL 320. Philosophy of Religion. 3 cr. Basic problems of the philosophy of religion such as the existence of God, the problem of evil, religious language, and immortality. GDR: HU3; GEP: HU

PHIL 322. Symbolic Logic. 3 cr. Introduction to symbolic logic including truth functions, propositional logic, and introductory predicate logic.

PHIL325. Ancient Greek Philosophy. 3 cr. Major philosophical movements and figures from classical Greece. GDR: HU3

PHIL 326. 17th and 18th Century Philosophy. 3 cr. Major philosophic movements and figures from the Renaissance through Immanuel Kant. GDR: HU3

PHIL 327. 19th and 20th Century Philosophy. 3 cr. Major philosophic movements and figures in the 19th and 20th centuries. GDR: HU3

PHIL 330. Existential Philosophy. 3 cr. Phenomenology and the philosophy of human existence from Kierkegaard to Sartre.

PHIL 335. Ethics of War. 3 cr. Critical examination of ethical issues in war.

PHIL 336. Social and Political Philosophy. 3 cr. Historical and contemporary analyses of fundamental concepts of social and political theory including the state, law and rights, and political obligation. Prereq: So st. GDR: HU3

PHIL 345. Philosophy of Nature. 3 cr. Examine classical and contemporary theories of nature, including intersection of natural philosophy and environmental ethics.

PHIL 350. Feminist Philosophy. 3 cr. Surveys and analyzes the history of and contemporary directions in feminist philosophy.

PHIL 351. Ecofeminism. 3 cr. Examination of the original contributions of feminist thought to environmental philosophy and the ethics of human-nature relations.

PHIL 380. Environmental Ethics. 3 cr. Philosophical, religious, and scientific concepts and values that have structured human attitudes toward the natural environment. GDR: HU3, EL; GEP: ER, HU

PHIL 381. American Indian Environmental Philosophies. 3 cr. Examine the worldviews, environmental attitudes, and ethics of American Indians. GDR: HU3, MNS or NW; GEP: HU, USD

PHIL 392. Philosophy Internship. 1 cr; pass/fail. Intern provides small group writing and reading assistance in selected philosophy courses. Prereq: Cons instr.

PHIL 395/595. Philosophical Problems. 1-3 cr. Significant philosophical problem and related literature. Subtitle will designate area. Prereq: 3 cr in philosophy or cons instr.

PHIL 399. Independent Study. 1-3 cr. Independent study of a philosophical problem, theme, thinker, or period with cons instr and chair. Credit based on scope of project.

PHIL 480/680. Advanced Environmental Ethics. 3 cr. Advanced study of ethical relationships between humans and the nonhuman world. Prereq: (Undergrads only) 380 or cons instr.

PHIL 490/690. Seminar. 3 cr. Intensive study of a major philosophic figure or topic. Subtitle will designate topic. Prereq: Cons instr.

Philosophy Latent Courses: Not offered recently. See full course description in indicated (xx-xx) catalog.

360 Philosophy and Psychotherapy, 3 cr, (09-11)

385 Philosophy of Ecology, 3 cr, (11-13)

PHOTOGRAPHY

See [Art & Design](#).

PHYSICAL EDUCATION

See [Physical Education & Athletic Training](#).

Physical Education & Athletic Training (PEAT)

(College of Professional Studies)

Holly Schmies, Chair of the School of Physical Education & Athletic Training (PEAT)

Room 123, Health Enhancement Center

Phone: 715-346-2922

Email: peat@uwsp.edu

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Faculty/Staff : P Bloom, A Boelk, C Brooks, M Craig, D Foemmel, S Frazier, D Hawkins, J Johnson, S Jones, B Kinslow, S Meyer, K Roth, H Schmies, R Semling, R Suomi, S White, R Witt, T Wright.

Definitions: Physical education is the process by which individuals obtain optimal physical, mental, social and fitness skills through the medium of human movement. The UW-Stevens Point Physical Education major prepares you for a K-12 Teaching Certification License (#530).

Athletic training is a medical profession specializing in health care for active populations, cooperating with physicians and other allied health personnel.

Note: You may NOT take courses pass/fail that lead to completion of a professional PEAT program (physical education, athletic training, coaching, health education, physical education for exceptional individual, adventure education).

Abbreviations:

ADVE = Adventure Education

AT = Athletic Training

ATEP = Athletic Training Education Program

HEC = Health Enhancement Center (Phy Ed Building)

HLED = Health Education

HP/W = Health Promotion/Wellness

P ED = Physical Education

PEAT – Physical Education & Athletic Training

PEP – Professional Education Program

PEX = Physical Education for the Exceptional Individual

WLNS = Wellness

Physical Education Major for Teacher Certification (Early Childhood through Adolescence) (Bachelor of Science)

Enrollment/Retention Standards: Enrollment caps for physical education majors are determined by the School of Education (20 per year). Physical Education Majors are required to follow the General Education Program requirements outlined in the Secondary/K-12 Certification requirements identified in the Education Program in this catalog.

Physical Education Major: Consists of 49 credits:

1. **Required:** P ED 105, 150, 200, 201, 202, 220, 260, 271, 310, 315, 331, 332, 370, 380, 391 (Communication in the Major), 428 (Communication in the Major), 400 (Capstone Experience); P ED 360; PEX 400, 401; WLNS 205, WLNS 146 is recommended to increase employment opportunities.
2. The Physical Education Major satisfies the Interdisciplinary Studies GEP requirement. For more information, see the [GEP](#) section of the Catalog.
3. **Admission requirements for acceptance into the Professional Education Program:** All requirements for admission into the School of Education Professional Education Program (PEP) must be met prior to consideration of admission into the Physical Education Program. These requirements can be found in the Education Program section of this catalog. Incoming freshmen and transfer students are “premajors.” To become an accepted physical education major follow these procedures:
 - a. Before application, complete with a grade of C- or better or be enrolled in at least 12 credits from the following: P ED 105, 150, 200, 201, 202, 220, 260, 271 or 315. **Note:** P ED 220 must be taken at UW-Stevens Point.
 - b. Complete BIOL 101 or 160; Complete CHEM 100 or PHYS 100. **Note:** You must complete one of the above courses and may be enrolled in the other when applying to the Professional Education Program.
 - c. Have 2.75 GPA in all credits attempted from all institutions.
 - d. Apply to the PEP and to the Physical Education Department for acceptance into the PEP when courses in 2a above are complete or concurrent and you are enrolled in P ED 260. “Premajors” have two opportunities to apply to the PEP. Failure to apply during enrollment in 260 will result in the forfeiture of one of the two opportunities for admittance to PEP. Failure to meet the School of Education criteria for admittance to PEP when enrolled in 260 will result in denial.
 - e. Candidates must complete the application form for PEP from the Education Advising, Recruitment and Retention Office in CPS. In addition, candidates must submit a separate set of application materials to the Physical Education Department. Prospective PEP candidates will be evaluated by the Physical Education Department on community service hours, cumulative GPA, POST scores, personal statement/reflection, resume, and the Pre-Professional Interview. The GPA and personal statement/resume will be assigned a higher weight in the total rankings.
 - f. Candidates may appeal if denied admission to the program. The appeal process must follow the guidelines as outlined by the School of Education.

- g. Available seats in the PEP will determine the number of majors accepted.
 - h. Majors must be accepted into the PEP or have completed one attempt before enrollment in P ED 310, 331, 332, 360, 370, 380, 391, 428; PEX 400, 401.
4. Refer to the **Education** section earlier in this catalog for information about admission to the Professional Education Program and teacher certification.
NOTE: To graduate with a comprehensive physical education major, all teacher certification requirements including student teaching in physical education is required.
5. Upon acceptance into the PEP all Physical Education major courses must be completed with a C- or better.
6. To repeat a course, follow UW-Stevens Point policy. The last grades for repeated courses will be calculated into your GPA. (Credit for 199, 299, 399 does NOT count in the cumulative GPA required for admission.)

Athletic Training Major (Bachelor of Science)

Holly Schmies, Director

Room 129 Health Enhancement Center

Phone: 715-346-2922

Email: hschmies@uwsp.edu

Web: www.uwsp.edu/peat/pages/athltraining/default.aspx

Faculty/Staff : D Jacobson, B Kinslow, H Schmies, D Smith.

Medical Directors: James Banovetz, MD, PhD; Daniel Kraeger, DO, ATC.

Athletic Training Major

1. **Academic Program**: Complete the following.
 - a. AT 181, 182, 200, 201, 251, 300, 301, 302, 362, 370, 380, 381, 382, 400, 401, 420, 425, 430, 435; COAC 372; FN 253; HS 295; P ED 271, 310, HP/W 312.
 - b. Collateral requirements: BIOL 160, 385; CHEM 101 or 105; MATH 355; PHYS 101 or 203; PSYC 110; WLNS 123.
 - c. Communication in the Major: 251, 382, 400, and 435.
 - d. Capstone Experience: 401 and 430.
2. **Clinical Practicum**: As an ATEP student you must complete clinical rotations as a requirement of the practicum courses (AT 201, 300, 301, 302, 400, and 401). You will gain clinical experience in the following settings or activities:
 - a. UW-Stevens Point Athletic training facility.
 - b. Clinical/high school/industrial.
 - c. Lower extremity intensive.
 - d. Upper extremity intensive.
 - e. Equipment intensive.
 - f. General medical.
3. **Clinical Rotations**: Throughout the six semester curriculum program, you will complete a minimum of 1,200 clinical rotation hours under direct supervision

of a NATABOC certified athletic trainer within the practicum courses.

Accreditation: The UW-Stevens Point athletic training education program is accredited by the Commission on Accreditation of Athletic Training Education. You may contact them at CAATE, 2201 Double Creek Drive, Suite 5006, Round Rock TX 78664; phone 512-733-9700; caate@sbcglobal.net.

Affiliation Agreements: UW-Stevens Point has affiliation agreements with various medical facilities and schools in the area to provide clinical practicum education for students. The approved clinical instructors of the affiliated sites are given courtesy appointments as university associates or volunteers. The affiliation agreements are with clinics and hospitals in the Central Wisconsin area and their contracted high schools for athletic training coverage.

Academic Standards for Athletic Training Major

Admission requirements: Incoming freshmen and transfer students who declare athletic training are considered "premajors." All "pre-majors" must apply for acceptance into the Athletic Training Education Program (ATEP). The application process takes place each spring semester. The application process includes the following:

1. Prerequisite coursework (must be completed or concurrently in progress with good standing): AT 181, 182, BIO 160; PHYS 101 or 203; PSYC 110; WLNS 123 -- all with a grade of C- or better.
2. Have a minimum of a 2.75 GPA in all credits attempted.
3. Request and complete the ATEP application. Applications can be obtained in person from the Program Director.
Along with the application, you must also:
 - a. Submit four letters of recommendation and a statement of acceptance for the ATEP technical standards, journals and timesheets from AT 182.
 - b. Complete a formal interview with the ATEP Admissions Committee.
4. Submit your application to the Program Director by February 15.

Additional Notes about Applying to the Athletic Training Education Program (ATEP):

1. Admission decisions are provided to you in writing by April 1st.
2. Meeting or exceeding the minimum requirements for eligibility to apply does not guarantee acceptance into ATEP. The application process is competitive and acceptance is based on academic credentials, interviews, and available clinical sites/instructors.
3. If your application is denied, you may reapply. You will continue to work on general education requirements or courses within your chosen major while waiting to reapply.

4. Transfer students: If you are transferring from another institution, you may apply to the ATEP after all prerequisite courses are complete and you meet the minimum requirements:
 - a. AT prefixed courses must be completed at UW-Stevens Point.
 - b. If transferring from an institution with a CAATE accredited ATEP, athletic training courses may be accepted. However, you must realize that additional courses may be required to meet ATEP competencies and proficiencies.

Upon Acceptance to the Athletic Training Education Program (ATEP), you must:

1. Provide verification of current physical examination by an approved health care provider (MD, DO, PA, CNP) confirming the physical and mental abilities required of an athletic trainer.
2. Provide verification you are free of communicable disease. You must provide documentation of immunization history, current antibody titers for Hepatitis B and C, MMR, DPT, Varicella, and a current tuberculosis (TB) test.
3. Complete a healthcare provider background check as required by regulations in Wisconsin Administrative Code Chapter HFS 12.
4. Supply verification of personal healthcare provider liability insurance.
5. Provide documentation of a TB test for clinical rotations prior to each academic year.
6. Submit all health-related documentations/verifications to the Program Director prior to the start of each fall semester.

Retention

In order to maintain good standing within the ATEP, you must:

1. Maintain 3.0 GPA in major and collateral coursework.
2. Maintain 2.75 cumulative GPA in all credits attempted.
3. Maintain 3.0 (5.0) clinical evaluation scores. (Athletic training student evaluation form is based on 5 point scale.)

If you fail to meet all retention criteria listed above, you will be placed on probation in the ATEP for one semester. This is warning that you need to raise your cumulative and/or your major GPA in your next semester to be in good standing in the ATEP. If you do not attain all criteria for active status during the probation semester, you may not continue in the major. You may apply for readmission to the ATEP one academic year after you are first suspended, but realize that readmission is not automatically granted.

To repeat a course, follow UW-Stevens Point policy. The last grade for a repeated course will be calculated into your GPA. Credit for AT 199, 299, 399 does NOT count in the cumulative GPA required for admission.

Notes for Athletic Training Majors:

1. Refer to the *Athletic Training Educational Handbook* for program technical standards that relate to the Americans with Disabilities Act of 1990.
2. All requirements for the major must be complete, or in the process of being completed, before the program director will endorse your application for the Board of Certification examination.
3. If you are accepted in the ATEP, you will be responsible for arranging travel to off-site clinical rotations. You will also be responsible for the cost of travel. There will also be some additional expenses incurred for uniforms and the personal athletic training kits. Updated information will be provided in the *Athletic Training Educational Handbook*.
4. If you are denied acceptance into the program, you may not enroll in Athletic Training courses. You may contact the chair of PEAT for appeal procedures. Appeals are handled by the PEAT Appeals Committee.

Adventure Education Minor

Consists of 22 credits.

1. ADVE 150, 225, 250, 275, 325, 350, 450.
2. WLNS 146, 215.

Coaching Minor

Consists of 20 credits:

1. COAC 190, 200, 372, 373, 398; P ED 362, 391.
2. At least two credits from elective courses: COAC 373 (with different subtitle); P ED 310, 360, 410; FN 450. (You are required to meet the prerequisite requirements for elective courses).

Health Education Minor

Consists of at least 23-24 credits:

1. P ED 220, or HD 265, or PSYC 260; HLED 104, 140, 250, 340, 390, 427 (HLED 280 required for elementary education majors); FN 151 or 253 (physical education majors must take FN 253).
2. If you are preparing to teach, you must take HLED 398 at all levels in which you are seeking certification.

Strength and Conditioning Minor

www.uwsp.edu/hphd/Pages/strengthConditioning.aspx

Adapted Physical Education 860 Add-On Certification

(Physical Education for Exceptional Individual)

To receive the 860 add-on certification, complete this sequence with the physical education (K-12) teaching major. Take PEX 400, 401, 415, 445, 460, and EDUC 351.

Test-Out and Credit-by-Exam for Wellness

Test-out credit is available for all courses meeting general education requirements in Wellness (WLNS). You may attempt test-out for a maximum of 3 credits. You may earn a maximum of 2 credits in aerobic/activity or health enhancement. The test-out option is available to all students.

Aerobic/Activity Test-Out: Sign up and get information for aerobic/activity test-out at the School of PEAT Main Office (122 HEC). Take the written exam that determines if you know how to design and implement your own physical fitness program. If you pass, take the multicomponent physical fitness assessment test that includes aerobic capacity. To pass, your scores must meet or exceed the norm of UW-Stevens Point students in four of the six areas. If you pass both exams, you will receive two credits of aerobic/activity.

Test-Out for Health Enhancement

Sign up and get information for health enhancement test-out at the School of PEAT Main Office (122 HEC). Take the written exam covering eight major health enhancement topic areas. You will receive one credit of health enhancement if you pass four categories at a 70 percent level and two credits if you pass seven categories.

Courses in Adventure Education

ADVE 150. Introduction to Adventure Education. 2 cr. Awareness of principles, practices and philosophy associated with adventure programming. Lead and facilitate groups of different ages and dynamics. Introduces components of minor.

ADVE 225. Wilderness First Responder. 3 cr. Gain knowledge and skills to become a competent emergency care provider in remote settings. Lecture and hands-on practice will provide experience necessary to make critical decisions. Obtain WFR certification.

ADVE 250. General Camping/Backpacking. 3 cr. Two- or three-season camping and backpacking techniques including equipment, survival techniques, orienteering, trip planning. Use fundamental facilitation skills in an outdoor trip environment. Obtain "Leave No Trace" certification.

ADVE 275. Water Skills. 3 cr. Principles of basic canoeing and sea kayaking. Recovery and rescue skills. Whitewater canoeing/kayaking. Trip leading and facilitation skills. Prereq: 150; WLNS 146.

ADVE 325. Management of Top-Rope Climbing. 3 cr. Techniques for managing indoor and outdoor top-rope climbing site. Belaying techniques, site selection, "leave no trace" site use, rescue and emergency techniques. Apply American Mountain Guides Association standards. Site management and facilitation skills. Prereq: 150; WLNS 215.

ADVE 350. Challenge Course Management. 3 cr. Low and high rope facilitation. Philosophical and ethical issues dealing with risk-taking as a learning tool. Safety issues, belaying, programming, sequencing, and course set-up/tear-down. Facilitation opportunities. Prereq: 150.

ADVE 397/597. Workshop in Adventure Education. Variable cr. Sub-title will designate area. May repeat with different subtitle for 6 cr max.

ADVE 399. Special Work. 1-3 cr. Upperclass adventure ed minors or physical education and health promotion majors may arrange for independent study with cons instr/coord. Credit based on scope of project. Must file statement with PEAT chair before beginning.

ADVE 450. Adventure Education Practicum. 3 cr. Adventure leadership skills demonstrating naturalistic intelligence while planning and conducting climbing, camping/backpacking, and water experiences for various groups. Work with K-12 students, CWES groups, peer groups, Lions Camp groups. Plan/facilitate groups from each area. Develop and use mobile adventure learning courses. Prereq: 150, 225, 250, 275, 325, 350.

Courses in Athletic Training

AT 181. Introduction to Athletic Training. 2 cr. Overview of athletic training profession, history and growth. Concept of the sports medicine "team." Athletic training room policies, procedures, medical record keeping and commonly used supplies.

AT 182. Athletic Training and Clinical Observation. 1 cr. Introduction to athletic training facility and environment through observation. Prereq: Con reg in 181 and intent to major in AT.

AT 200. Emergency Response to Injury and Illness. 3 cr. Gain awareness of common safety principles, universal precautions, predisposing factors and common causes of injury and illness related to athletic injury. Practical application of emergency medical techniques for life-threatening situations and acute trauma. Create and understand emergency action plans. Attain CPR/AED certification for the health care provider. Prereq: 181, 182; admis to prog.

AT 201. Practicum I. 1 cr. Practical application of proficiencies in AT 251: anthropometrics measurements, environmental conditions, protective devices, identification of signs/symptoms of acute injury, and techniques for prevention of injury/illness. Also includes supervised clinical hours and practical examinations. Prereq: Con reg in 251.

AT 251. Prevention and Care of Injury and Illness. 2 cr. Introduction to appropriate care/treatment for acute injuries and illness; preventive principles including conditioning, fitness, nutrition, bracing and equipment fitting, preparticipation physical exams and environmental conditions. Prereq: Admis to prog and current CPR/First Aid certification.

AT 300. Practicum II. 1 cr. Practical application of proficiencies in AT 370 for lower extremity orthopedic evaluation. Also includes supervised clinical hours, learning over time experiences, and practical examinations. Prereq: 200, 201, 251; con reg in 370.

AT 301. Practicum III. 1 cr. Practical application of proficiencies in AT 380. Orthopedic evaluation of upper extremity including abdomen/thorax/head and face. Also includes supervised clinical hours, learning over time experiences, and practical examinations. Prereq: 300, 370; con reg in 380.

AT 302. Practicum IV. 1 cr. Practical application of proficiencies in AT 381 including functional therapeutic progressions for upper/ lower extremities, neuromuscular control and proprioception, spine stabilizations and abdominal/core training, joint mobilizations, gait analysis and biofeedback. Also includes supervised clinical hours, learning over time experiences, and practical examinations. Prereq: P ED 362; con reg in 381.

AT 303. Functional Anatomy. 2 cr. Functional anatomy using regional approach to human body to prepare for orthopedic evaluation and rehabilitation courses. Understanding structure and function in relation to orthopedic injury, arthokinematics, and neurology. Lec/lab using a cadaver, diagnostic images, and computer programs. Prereq: P ED 271 and admis to prog.

AT 351. Acute Care and Risk Management of Athletic Injuries. 2 cr. Cause and treatment of acute athletic injuries, as well as policy and procedure development strategies to ensure appropriate health care for athletes. Prereq: COAC 200 and WLNS 123.

AT 362. Professional Development and Communication. 3 cr. Emphasis on Communication – both written and verbal – in many facets of health care professionals. Explore communication strategies in various situations including conflict resolution, psychosocial intervention, patient and community-based education, and evidence-based research to enhance and promote your development as health care professionals. Prereq: PSYC 110; COMM 101, cons instr. GEP: IS

AT 370. Orthopedic Evaluation of Lower Extremity. 3 cr. Assessment methods used in evaluation of lower extremity musculoskeletal injury and illness. Prereq: P ED 271; admis to prog.

AT 380. Orthopedic Evaluation of Upper Extremity. 3 cr. Assessment methods used in evaluating upper extremity musculoskeletal injury and illness. Prereq: P ED 271; AT 370; admis to prog.

AT 381. Therapeutic Exercise. 3 cr. Awareness, understanding, and application of principles and skills for rehabilitation of injuries in physically active populations. Prereq: 362; PHYS 101; P ED 362; admis to prog.

AT 382. Therapeutic Modalities. 4 cr. Principles of electromagnetic and acoustical treatment methods, indications and contraindications, and procedures for applying these treatments to athletic injuries. Prereq: 251; admis to prog.

AT 397/597. Workshop in Athletic Training. Variable credit. Subtitle will designate area. May repeat with different subtitle for 6 cr max.

AT 399. Special Work. 1-3 cr. Upperclass athletic training majors may arrange for independent study with cons instr and coord. Credit based on scope of project. Must file statement with PEAT chair before beginning.

AT 400. Practicum V. 2 cr. The first of two capstone courses to serve as a comprehensive review of the skills necessary of the competent entry-level athletic trainer. Focus on skills in emergency room care, risk management, and recognition and assessment of injury. Also includes supervised clinical hours, learning over time experiences, and practical examinations. Prereq: 381, 382; con reg in 425. GEP: XL

AT 401. Practicum VI. 2 cr. The second of two capstone courses to serve as a comprehensive review of skills necessary of the competent entry-level athletic trainer. Focus on skills and knowledge in prevention, therapeutic modalities, and therapeutic rehabilitation. Also includes supervised clinical hours, learning over time experiences, and practical examinations. Prereq: 400, 425; con reg in 430.

AT 420. Administration of Athletic Training Programs. 3 cr. Policies and procedures for an athletic training program. Personal management, record keeping, inventory management, budgeting, purchasing, and facility design. Prereq: 301; admis to prog.

AT 425. Medical Aspects of Injury and Illness. 3 cr. Examination of general medical conditions and auto-immune diseases related to injury/illness in the active population. Use of diagnostic instruments and discussion of pharmacology interventions for treatment of conditions an disease will also be covered. Prereq: 381, 382; con reg in 400.

AT 430. Therapeutic Interventions of Injury and Illness. 3 cr. Examination and assessment of principles, theory and techniques for treatment of various conditions in the active populations including rehabilitation protocols, diagnostic testing, surgical techniques, counseling strategies, and manual therapies. Instruction and evaluation on use of new therapeutic techniques and the ability to develop and analyze treatment interventions using the support of previously learned skills and evidence-based practice. Prereq: 400, 425; con reg in 401.

AT 435. Research Methods in Athletic Training. 3 cr. Apply scientific method to athletic training research problems; explore research design principles; design and write research proposals. Prereq: MATH 355; admis to prog.

Courses in Coaching

COAC 101. Tools for Academic Success. 1 cr. Transitional issues from high school to college, intro to university services, time

management/ study skills, information management, goal setting, personal wellness, tolerance and sportsmanship. Tools for student-athletes to maximize abilities in class and competition. Prereq: Cons instr.

COAC 190. Foundations of Coaching and Leadership. 3 cr. Foundational elements of effective coaching and leadership with emphasis on NASPE coaching standards, competencies, best practices, and growth and development for all levels of activity. Provides an understanding and overview of multiple elements that contribute to successful and productive leadership in sport related programs.

COAC 200. Scientific Concepts in Sport and Activity. 3 cr. Scientific concepts of anatomy, biomechanics, and physiology applied to instruction of active populations. Analysis of performance based on anatomical and mechanical principles.

COAC 282-290. Coaching Specific Sports. Each 2 cr. Theory and techniques, training schedules, strategy, coaching methods, and conditioning. Prereq: So st.

282. Basketball; 283. Wrestling; 284. Football; 285. Baseball; 287. Soccer; 288. Ice Hockey; 290. Volleyball.

COAC 372. The Psychology of Sport and Activity. 3 cr. Study of the psychological, emotional, social and behavioral factors in affecting performance. Prereq: so st.

COAC 373. Seminar: Topics in Sports and Leadership. 2 cr. Integrative discussion of current topics and trends in sport and leadership. Subtitle will designate area. May repeat for credit with different subtitles. Additional prerequisites may be required depending on the topic. Prereq: jr st

COAC 397/597. Workshop in Coaching. Variable credit. Participate in special experiences related to coaching minor. Subtitle will designate area. May repeat for 6 cr max.

COAC 398. Practicum Experience in Sport Leadership. 2 cr. Practical experiences in sport leadership. Practicum must be approved by coaching minor adviser. Prereq: 190, 200, 372; P ED 362. GEP:XL

COAC 399. Special Work. Upperclass coaching minors may arrange for independent study with cons instr and coordinator. Credit based on scope of project. Must file statement with PEAT chair before beginning.

COAC 796. Independent Study. 1-3 cr. Planned study to supplement preparation in area of specialization; regular conferences with staff supervisor with cons chair.

COAC 797. Workshop in Coaching. Variable credit. Participate in special graduate level experiences related to your major program. Subtitle will designate area. May repeat for 6 cr max.

Coaching Latent Courses: Not offered recently. See full course description in indicated (xx-xx) catalog.

286	Track and Field, 2 cr, (11-13)
289	Coaching Swimming, 2 cr, (07-09)
291	Coaching Tennis, 2 cr, (07-09)
292	Coaching Gymnastics, 2 cr, (07-09)
293	Coaching Golf, 2 cr, (07-09)
294	Coaching Sports Modules, 2 cr, (07-09)
790	Seminar in Current Issues, 1-3 cr, (01-03)

Courses in Health Education

HLED 104. Current Health Issues. 3 cr. Using the SPECIES model of wellness, consider current issues of mental-emotional health, aging, death and dying, communicable and chronic diseases, fitness, consumer health, personal health, safety and accident prevention, violence-bullying, and environmental health.

HLED 140. Responsible Sexuality. 3 cr. Sexual development in America, reproduction and contraception, and related issues; develop skills for presenting this knowledge to children in classroom and family settings including methods needed to deliver K-12 sexuality curriculum. GDR: WLNS/HE

HLED 250. Teaching Methods for Middle/Secondary Health Education. 3 cr. Use approved methods and materials for teaching health from middle school through grade 12; apply teaching techniques and procedures in a student centered fashion. Prereq: 104 or 140; declared HLED minor.

HLED 280. Health Education in the Elementary School. 3 cr. Principles, techniques, and materials applied to teaching health in the elementary school; also personal health behavior. Prereq: Admission to Prof Educ Prog and cons instr. GDR: WLNS/HE

HLED 340. Curriculum and Coordinated School Health Programs. 3 cr. Micro and macro issues, and policies and procedures surrounding coordinated school health programming in Wisconsin K-12 schools. Prereq: 250.

HLED 390/590. Wellness and Drugs. 3 cr. Uses of drugs in our culture; decision-making process leading to minimal, intentional, deliberate use of drugs including caffeine, nicotine, alcohol, over-the-counter drugs, prescription drugs, and illegal drugs; effects, consequences, and alternatives. GDR: WL/HE.

HLED 397/597. Workshop in Health Education. Variable credit. Participate in special experiences related to health ed minor. Subtitle will designate area. May repeat for 6 cr max.

HLED 398. Student Teaching in Health Education. 4-16 cr; pass/fail. Observation and teaching of health education under the guidance of cooperating teachers and university faculty.

HLED 399. Special Work. Upperclass health ed minors may arrange for independent study with cons instr and coord. Credit based on scope of project. Must file statement with PEAT chair before beginning.

HLED 427. Practical Teaching Experiences in K-12 Health Education. 3 cr. Aims, methods, materials, strategies, techniques, organization and testing in K-12 health education. Prereq: 250, 340, admission to School of Education Professional Educ Program.

HLED 498. Intern Teaching. Variable cr; pass/fail. Structured field experiences in approved school programs. Interns are certified by the DPI and employed under contract with schools to design, deliver, and assess instructional programs in grades n-k-12.

Prereq: Complete all methods courses and 75% of content courses in approp major. Con reg in approp section of EDUC 400 may be required.

HLED 700. Current Health Issues and Trends in Health Education. 3 cr. (For certified teachers who do NOT have undergrad health ed degree and seek K-12 health certification). Background in health content areas of nutrition, physical activity, personal health, safety and injury prevention, stress, violence/abuse, substance use and abuse, disease prevention, environmental health, aging, death and dying, consumer and community health, mental and emotional health.

HLED 701 Curriculum and Resources in Teaching Comprehensive School Health Education. 3 cr. (For certified teachers who do NOT have undergrad health ed degree and seek K-12 health certification). Hands-on knowledge/skills to develop effective curriculum and learning strategies for health education. Apply Wis Standards of Health Education with psychosocial skills to help you develop life skills.

HLED 703. Teaching Methods in Health Education. 3 cr. (For certified teachers who do NOT have undergrad health ed degree and seek K-12 health certification). Analyze effective approaches to teaching health ed to children, primarily using prevention theory. Apply teaching methods, strategies, techniques and assessments in health ed by constructing a series of hands-on learning opportunities.

HLED 705. Sexuality Education: Content and Programming for K-12 Schools. 3 cr. (For certified teachers who do NOT have undergrad health ed degree and seek K-12 health certification). Review current information on health/human sexuality including biological, psycho-social and educational aspects with instructional activities related to interpersonal communication, decision-making and clarification of values. Review Wisconsin law and curriculum expectations working through abstinence-based and abstinence-only curricular approaches, while gaining appreciation of controversial issues surrounding K-12 sexuality education.

HLED 796. Independent Study. 1-3 cr. Planned study to supplement preparation in area of specialization; regular conferences with staff supervisor, through arrangement with chair of PEAT.

Health Education Latent Courses: Not offered recently. See full course description in indicated (xx-xx) catalog.

145 Introduction to Health Education/Promotion, 3 cr, (93-95)

790 Seminar in Current Issues, 1-3 cr, (91-93)

797 Workshop in Health Ed, variable cr, (01-03)

Courses in Physical Education

P ED 105. Introduction to Physical Education Teacher Preparation. 2 cr. Introduction to K-12 Physical Education teaching content leading to teacher licensure in Wisconsin. Topics include enrollment policies, teaching standards, beginning electronic portfolio, career and professional development, and best teaching practices.

P ED 150. Foundations of Teaching K-12 Physical Fitness. 2 cr. Prepare preservice teachers to teach physical fitness in educational settings. Instruction and assessment of fitness activities appropriate for elementary, middle and high school students. Concepts of health-related fitness. Prereq: Phy ed major. GDR: WL/AA; GEP: WLN

P ED 199. Independent Study. 1-3 cr. You may arrange for work not available through regular courses. Must file statement with PEAT chair before beginning. Wellness substitutions may be approved. Prereq: Cons instr.

P ED 200. Professional Teaching Skills I. 3 cr. Participation and skill development in current PreK-12 activities. Activities may include but are not limited to the following: swimming, team, individual, and dual sports; strength and conditioning; multicultural sports and games; and racquet and disc sports. Prereq: Physical Education major; 105, 150 or cons instr.

P ED 201. Professional Teaching Skills II. 3 cr. Participation and skill development in current PreK-12 physical education activities. Activities may include but are not limited to the following: winter recreation; team, individual and dual sports; elementary activities and games; gymnastics and tumbling; cooperative games; strength and conditioning; multicultural sports and games; and net games. Prereq: Physical Education major; 105, 150 or cons instr.

P ED 202. Teaching Adventure Education. 2 cr. Introductory concepts, methods, and skill competencies in adventure education as applied to the physical education environment. Prereq: Physical Education major; 105, 150.

P ED 202. Teaching Adventure Education. 2 cr. Introductory concepts, methods, and skill competencies in adventure education as applied to the physical education environment. Prereq: Physical Education major; 105, 150.

P ED 220. Lifespan Motor Development. 3 cr. Motor behavior changes over the lifespan including underlying processes and factors. Relationships among growth, maturation, motor performance and the person's context. How interaction among motor, cognitive and affective domains impact motor development. Developmental considerations for planning and directing movement experiences across the lifespan. Prereq: Physical Education major, 105.

P ED 231. Physical Education for Early Childhood/Elementary Teacher. 2 cr. Acquaints early childhood and elementary school classroom teacher certification majors with organizational skills and instructional materials needed to integrate movement concepts, physical skills and brain-based activities into classroom experiences. Prereq: Admission to Prof Ed Prog.

P ED 252. Standard First Aid, Personal Safety, and Cardiopulmonary Resuscitation. 2 cr. American Red Cross first aid and CPR training, with certificate issued on satisfactory completion of course.

P ED 260. Practicum Experience in Physical Education. 2 cr. Clinical field experience with secondary and elementary placement/observation; 30 hrs practicum experience. Prereq: GDR: NS complete; declared physical educ major. GEP: XL

P ED 271. Human Anatomy. 3 cr. Skeletal, muscular, circulatory, digestive, respiratory, and nervous systems of the human body. Prereq: Cons instr.

P ED 310. Kinesiology. 3 cr. Study body movement and principles that affect movement. Prereq: 271, or cons instr.

P ED 315. Dance Methods. 2 cr. Methods, materials, and fundamental principles for teaching dance including folk, square, and ballroom in K-12 physical education programs. Prereq: Jr st or cons instr.

P ED 331. Teaching Methods in Elementary Physical Education. 3cr. Reflective approach to teaching developmental elementary physical education with an emphasis on 4K through grade six. Become more proficient in current knowledge, use of instructional strategies, and integration of state and national standards into teaching in an elementary physical education program. Prereq: Admis to Prof Educ Prog or cons instr.

P ED 332. Teaching Experience in Elementary Physical Education. 1 cr. Teach K-2 students and work with area teachers co-teaching grades 4-6 while developing lessons, assessments and parent progress reports. Practice instructional strategies and integrate state and national standards into a developmentally appropriate elementary program. Prereq: Admission in to the School of Education; con reg P ED 331.

P ED 353. Advanced First Aid Instructors. 1 cr. Preparation for teaching advanced first aid prescribed by American Red Cross; certificate granted on satisfactory course completion. Prereq: Valid advanced first aid certificate.

P ED 360. Exercise Physiology Concepts for the Physical Education Teacher. 3 cr. Fundamental exercise physiology concepts needed to teach physical education to school age children. Energy systems, substrate utilization, muscular and organ systems, basic testing for aerobic and anaerobic capacity. Prereq: Phy ed major, P ED 271.

P ED 362. Optimal Performance in Sport and Activity. 2 cr. Concepts and application of performance enhancement, exercise prescription, and sport nutrition in the active population. Prereq: 271 or COAC 200 or BIOL 387.

P ED 370. Curriculum Design and Implementation in PreK-12 Physical Education. 3 cr. Study of school physical education program content. Classification, philosophy, scope and sequences of educational content for selecting and organizing PreK-12 learning experiences. Curricular themes and models compared and aligned with national and state content standards. Administration of curriculum models through the context of managing behavior. Prereq: Admis to Prof Educ Prog., P ED 331 completed, or with cons of program director.

P ED 380. Assessment and Technology in Physical Education. 3 cr. Construct and analyze assessment instruments in the cognitive, health-related fitness, and psychomotor domains. Integrate technology for evaluation of PreK-12 student performance and behaviors. Utilization of technology and investigation of strategies for grading and assessment purposes. Prereq: Admission to PEP; 331 completed or with cons. of program director.

P ED 391. Organization and Administration of Physical Education and Athletics. 3 cr. Physical education, intramural and interscholastic K-12 athletic programs. Philosophy, mission and objectives, purchase and care of equipment, budgeting and fund raising, legal issues, public relations, leadership/supervision, professional standards and certification for teacher/coaches. Prereq: Admis to Prof Educ Prog, sr st coaching minor, cons instr.

P ED 397/597. Workshop in Physical Education. Variable credit. Participate in special experiences related to phy ed major. Subtitle will designate area. May repeat for 6 cr max.

P ED 398. Student Teaching in Physical Education. 1-16 cr; pass/fail. Observation and teaching physical education under guidance of cooperating teachers and university faculty. Sections offered at elementary and secondary levels.

P ED 399. Special Work. Upperclass physical education and wellness majors may arrange for independent study with cons instr and coord. Credit based on scope of project. Must have statement on file with PEAT chair before beginning.

P ED 400. Seminar in Teaching Physical Education. 1 cr. Discuss student teaching issues and beginning teacher concerns. You must return to campus for seminar meetings. Includes use of PI34 portfolio. Prereq: Con reg in student teaching.

P ED 410. Essentials for Strength and Conditioning. 3 cr. Scientific principles, theory and practical applications of strength and conditioning for the active population. Emphasis placed on development of year-round programs and practical applications for specific sports and various ages. Intended to prepare you to sit for certification examinations in strength and conditioning. Prereq: P ED 362.

P ED 428. Teaching Middle and Secondary Physical Education. 3 cr. Developmentally appropriate instructional strategies for middle/ secondary student. Portfolio development of Wis Teaching Standards for teacher certification. Practicum teaching experience. Prereq: Admis to Prof Educ Prog. Take 428 one semester before student teaching.

P ED 498. Intern Teaching. Variable cr; pass/fail. Structured field experiences in approved school programs. Interns are certified by the DPI and employed under contract with schools to design, deliver, and assess instructional programs in grades n-k-12. Prereq: Complete all methods courses and 75% of content courses in approp major. Con reg in approp section of EDUC 400 may be required.

P ED 796. Independent Study. 1-3 cr. Planned study to supplement preparation in area of specialization; regular conferences with staff supervisor, through arrangement with chair of PEAT.

P ED 797. Workshop in Physical Education. Variable credit. Graduate level experiences related to your major program. Subtitle will designate area. May repeat for 6 cr max.

Physical Education Latent Courses: Not offered recently. See full course description in indicated (xx-xx) catalog.

232	Phy Ed for Elementary Grades 4-6, 3 cr, (01-03)
253	Standard First Aid and CPR Instructors, 2 cr, (01-03)
254	Advanced First Aid and Emergency Care, 2 cr, (01-03)
395	Seminar in Phy Ed, Health, and Recreation, 1 cr, (01-03)
447	Emergency Water Safety/ Safety Instructor, 1 cr, (97-99)
790	Current Issues Seminar, 1-3 cr, (07-09)

Courses in Physical Education for the Exceptional Individual (PEX)

PEX 397/597. Workshop in Physical Education for Exceptional Individuals. 1-6 cr. Participate in special experiences related to PEX minor. Subtitle will designate area.

PEX 398. Student Teaching in Adapted Physical Education. 4-16 cr; pass/fail. Observation and teaching of adapted physical education under the guidance of cooperating teachers and university faculty.

PEX 400. Physical Education for Individuals with Disabilities. 3 cr. Physical education for individuals with disabilities emphasizing identification, assessment, program development, and learning as they apply to instruction. Prereq: Con reg in 401 and P ED 200, 201, 331; admission to School of Education.

PEX 401. Physical Education for Individuals with Disabilities. 1 cr. Hands-on intervention with children with disabilities in aquatics and motor development. Prereq: Con reg in 400 and P ED 200, 201, 331; admission to School of Education.

PEX 415. Assessment and Prescription in Adapted Physical Education. 2 cr. Assessment and evaluation tools and techniques used in adapted physical education. Appropriate prescription techniques, ecological inventories, and placement recommendations based on least restrictive environment. Apply evaluation within IEP process. Prereq: 400, 401 or con reg.

PEX 445. Seminar in Adapted Physical Education. 3 cr. Study problems that relate to procedures, practices, organization, and administration in adapted physical education. Correct problems through IEP maintenance, curricular planning, activity selection, instructional techniques. Prereq: 400, 401, 415.

PEX 460. Advanced Practicum in Adapted Physical Education.

1 cr. Level II practicum experience working with students with disabilities in educational/community-based setting with continued practice with evaluation, instruction, reflection. Prereq: 400, 401.

PEX 498. Intern Teaching. Variable cr; pass/fail. Structured field experiences in approved school programs. Interns are certified by the DPI and are employed under contract with schools to design, deliver, and assess instructional programs in grades n-k-12. Prereq: Complete all methods courses and 75% of content courses in approp major. Con reg in approp section of EDUC 400 may be required.

PEX 715. Advanced Assessment and Prescription in Adapted Physical Education. 2 cr. Assessment and evaluation tools and techniques used in adapted physical education. Approp prescription techniques, ecological inventories, and placement recommendations based on least restrictive environment. Apply evaluation within IEP process. Prereq: Certif to teach Physical Education.

PEX 740. Advanced Seminar in Adapted Physical Education. 3 cr. Study problems that relate to procedures, practices, organization, and administration in adapted physical education. Correct problems through IEP maintenance, curricular planning, activity selection, instructional techniques. Apply solutions to barriers in on-campus lab setting. Prereq: Certif to teach Physical Education; 715, 760 or con reg.

PEX 760. Advanced Practicum and Community Connections in Adapted Physical Education. 1 cr. Level II practicum experience working with students with disabilities in an educational/community-based setting with continued practice with evaluation, instruction, reflection. Prereq: 400, 401 or equiv undergrad course.

Physical Education for the Exceptional Individual Latent Courses: Not offered recently. See full course description in indicated (xx-xx) catalog.

319 Exercise, Recreation, and Health Enhancement for the Elderly, 3 cr, (07-09)

Courses in Wellness

WLNS 100. Integrative Wellness. 2 cr. Physical activity as applied to seven dimensions of wellness. Analysis of personal wellness through experiential learning. Integration of current scientific research and physical activity and wellness concepts. Meets GEP requirements for wellness. GEP: WLN

WLNS 144. Stress Management. 2 cr. Improve your stress management techniques and become more aware of the stressors in your life. Through examination of the dimensions of wellness, learn techniques to help identify, prevent, and manage stress for a healthy lifestyle. GEP: WLN

WLNS 154. Individualized Exercise Programming. 2 cr. A regular physical exercise program is a necessity for healthy living. Understand how to build a sound exercise program, the physiological basis for the programs, as well as the benefits of a sound program. Discover and experience how an exercise program can be incorporated into your own lifestyle on a regular basis to promote health. GEP: WLN

Notes for Wellness:

1. In order to earn a bachelor's degree, you must take a GEP course for wellness. For a complete list of Wellness GEP approved courses, please refer to the [General Education Program Approved Courses](#) earlier in this Catalog. You may not repeat courses for this requirement.
2. A specially designed physical education program is available if you have a disability or chronic medical problem. Please contact PEAT office for more information.
3. **TRANSFER STUDENTS:** If you transfer to UW-Stevens Point, you must fulfill the GEP requirement for wellness. Please refer to Wellness

GEP courses listed under [General Education Program Approved Courses](#) earlier in the Catalog.

WLNS 102 to 299. Wellness (see above for 144 and 154). 1 cr. each. Developmental, individual, recreational, and educational activities that lead to health maintenance, cardiovascular efficiency, fitness, and self-care skills. See listing below. Courses are elective courses in wellness that do not apply to the GEP requirement for wellness. You may take a course for credit multiple times.

WLNS 102. Advanced Fitness I. AA
 WLNS 103. Advanced Fitness II. AA
 WLNS 104. Advanced Fitness III. AA
 WLNS 105. Advanced Fitness IV. AA
 WLNS 106. Aerobic Dance. AA
 WLNS 108 Special Needs. AA
 WLNS 109. Beginning Bowling. AA
 WLNS 111. Advanced Bowling. AA
 WLNS 117. Beginning Badminton. AA
 WLNS 118. Intermediate Badminton. AA
 WLNS 119. Ice Skating Level I. AA
 WLNS 120. Ice Skating Level II. AA
 WLNS 121. Ice Skating Level III. AA
 WLNS 123. Standard First Aid and CPR. HE
 WLNS 124. CPR and First Aid Instructor. HE
 WLNS 125. Taekwondo Level I. AA
 WLNS 126. Taekwondo Level II. AA
 WLNS 127. Taekwondo Level III. AA
 WLNS 128. Taekwondo Level IV. AA
 WLNS 129. Taekwondo Level V. AA
 WLNS 130. Taekwondo Level VI. AA
 WLNS 132. Cycling. AA
 WLNS 135. Beginning Golf. AA
 WLNS 137. Beginning Tennis. AA
 WLNS 138. Intermediate Tennis. AA
 WLNS 143. Personal Power Development. HE
 WLNS 146. Life Guarding. HE
 WLNS 147. Life Guarding Instructor. HE
 WLNS 151. Nutrition and Exercise. HE
 WLNS 155. Jogging AA
 WLNS 162. Cross Country Skiing. AA
 WLNS 170. Beginning Swimmer. AA
 WLNS 173. Scuba. AA
 WLNS 176. Volleyball. AA
 WLNS 181. Soccer. AA
 WLNS 183. Weight Training. AA
 WLNS 184. Intro to Backpacking. AA
 WLNS 185. Advanced Backpacking. AA
 WLNS 195. Intercollegiate Athletics - Women. AA
 WLNS 196. Intercollegiate Athletics - Men. AA
 WLNS 197. Sport Assistant. AA
 WLNS 198. Swim Assistant. AA
 WLNS 199. Independent Study. AA
 WLNS 200. Tai Chi Level I. AA
 WLNS 201. Tai Chi Level II. AA
 WLNS 202. Tai Chi Level III. AA
 WLNS 203. Tai Chi Level IV. AA
 WLNS 204. Tai Chi Level V. AA
 WLNS 205. Water Safety Instructor. HE
 WLNS 206. Responding to Emergencies - CPR/First Aid. HE
 WLNS 210. CPR for the Professional Rescuer - Instructor. HE
 WLNS 211. Tai Chi Level VI. AA
 WLNS 212. Tai Chi Level VII. AA
 WLNS 213. Tai Chi Level VIII. AA
 WLNS 215. Rock Climbing. AA
 WLNS 216. In-Line Skating. AA
 WLNS 217. Rugby. AA
 WLNS 219. Triathlon Training. AA
 WLNS 221. Snowshoeing. AA
 WLNS 222. Basic Pilates Mat Work, AA
 WLNS 223. Fly Fishing. AA
 WLNS 224. Traditional Archery. AA
 WLNS 225. Winter Camping. AA
 WLNS 226. Leave-No-Trace Trainer. HE

WLNS 227. Judo. AA

WLNS 299. Independent Study. HE

Wellness Latent Courses: Not offered recently. Last listed in (01-03) catalog: **107** Aerobics I; **108** Aerobics II; **110** Intermed Bowling; **116** Tourn Archery; **122** Orienteering; **133** Beg Fencing; **134** Intermed Fencing; **136** Intermed Golf; **140** Adv Golf; **141** Build Personal Relationships; **145** Yoga; **150** Diabetic Self Care; **156** Conditioning; **159** Rec Racquetball; **163** Downhill Skiing; **164** Curling; **168** Wallyball; **169** Aquatic Ex; **171** Intermed Swim; **178** Winter Rec; **179** Gymnastics; **186** Military Sci Conditioning; **188** Winter Rec; **189** Adv Cycle Wknd; **191** Cross Country Ski Wknd; **242** Medical Self Care. Last listed in (03-05) catalog: **149** Stress Mgt; **157** Recreational Games; **165** Ice Skating; **208** HIV/Aids Instructor; **209** CPR for Professional. Last listed in (07-09) catalog: **113** Independent Walking Programs; **115** Bow Hunting; **148** Consumer Health; **152** Independent Jogging; **158** Instruction Racquetball; **160** Personal Defense; **166** Rollerskating; **174** Swim for Fitness; **190** Advanced Canoeing Weekend; **192** Downhill Skiing Weekend; **193** Intramurals; **207** HIV/Aids; **214** Ice Hockey; **218** Adventure Education; **220** Advanced Rock Climbing. Last listed in (11-13) catalog: **112** Angling; **114** Archery; **139** Beginning Canoeing; **153** Advanced Fitness; **161** Independent Walking/Jogging Programs; **172** Water Games; **177** Fall Recreation; **180** Softball, Volleyball; **187** Fall Recreation.

PHYSICAL ENVIRONMENT

See [Geography](#).

PHYSICAL SCIENCE

See [Natural Science](#).

PHYSICAL THERAPY

See [Health Care Professions](#).

Physics

(College of Letters and Science)

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Definition: Physics is the branch of science that investigates the laws of motion and properties of matter. It is often divided into the sub-disciplines of mechanics, heat, sound, electricity, magnetism, optics, atomic and nuclear physics.

Courses in **physics** are taught by members of the Department of Physics and Astronomy.

Courses in **astronomy** are listed under that title earlier in this catalog.

Physics Major (Bachelor of Science)

Consists of a minimum of 61 credits including (56 credits if taking CHEM 117):

1. MATH 120, 121, 213, 222.
2. CHEM 105 and 106; **or** 117.
3. PHYS 111, 150, 250, 300, 320, 335, 405, 435, 470, and one credit of 388 or 499.
4. PHYS 315 or 370.

5. Additional physics courses numbered above 300 not including 390 or 490 to attain a minimum of 35 credits in physics.

Physics Major with Applied Mechanics Emphasis (Bachelor of Science)

Consists of a minimum of 60 credits including:

1. MATH 120, 121, 213, 222.
2. CHEM 105 or 117.
3. PHYS 111, 150, 250, 300, 315, 335, 370, 435, 470.
4. PHYS 490, 6 cr.
5. ECON 110 or BUS 320.

NOTE: Enrollment caps are in effect for those seeking the physics major with applied mechanics emphasis. Please contact the Department of Physics and Astronomy early for entrance requirements and application procedures.

Physics Major with Applied Electronics Emphasis (Bachelor of Science)

Consists of a minimum of 61 credits including:

1. MATH 120, 121, 213, 222.
2. CHEM 105 or 117.
3. PHYS 111, 150, 250, 300, 315, 320, 370, 470.
4. PHYS 383 or 385.
5. PHYS 490, 6 cr.
6. ECON 110 or BUS 320.

NOTE: Enrollment caps are in effect for those seeking the physics major with applied electronics emphasis. Please contact the Department of Physics and Astronomy early for entrance requirements and application procedures.

Physics Major for Teacher Certification (Bachelor of Science)

Consists of a minimum of 49 credits including:

1. MATH 120, 121, 213, 222.
2. PHYS 111, 150, 250, 300, 320, 335, 470.
3. PHYS 315 or 370.
4. ASTR 205 or 206 or 311 or physics courses numbered above 300 not including 390 or 490 to attain 49 credits.

NOTE: Enrollment caps are in effect for those seeking teacher certification. Contact the Department of Physics and Astronomy early for entrance requirements and application procedures. Also see information about the Professional Education Program and the secondary education curriculum for teacher certification in the [Education](#) section of this catalog.

Academic Standards for Physics Major

- To be accepted as a physics major, register with the department office no later than the first semester of your junior year. To be retained and approved for graduation, you must have a 2.00 cumulative GPA (2.75 to student teach) in all courses in the major, regardless of any declaration of academic bankruptcy.
- No more than one grade below C- in physics courses numbered 300 or above may be applied to the major.
- If you do not meet these standards, you may petition the department chair for consideration. See the [More Academic Information](#) section of this catalog for the policy on repeating courses.
- All upper division physics courses (300 and above) are open to all students who meet the prerequisites.
- For all physics majors listed above, the Communication in the Major requirement is satisfied by 315 and 470 or in 370 and 470.
- For all physics majors listed above, the Capstone Experience is satisfied by 470.

Physics Minor

- A minimum of 25 credits including PHYS 111, 150, 250, 300 and other physics courses numbered above 300 not including 390 and 490. At least one elective must include a laboratory.
- MATH 120, 121, 222.
- If you are entering a teaching field, you may select ASTR 311 as an elective. A minor in physics is certifiable for teaching only when accompanied by a major in another science or a major in mathematics.
- When you decide to minor in physics, register in the department office to be assured of proper advising. To be accepted as a minor you must have a minimum grade point average of 2.00 (2.75 to student teach), regardless of a declaration of academic bankruptcy. The department may grant exceptions. No more than one grade below C- in physics courses numbered 300 or above may be applied to the minor.

Notes for Physics:

- To major or minor in physics, you should register for acceptance no later than the first semester of your junior year.
- PHYS 300, 315, 320, 335, 370, 383, 384, 385, 405, 435, and 470 are not offered every semester. See course description for details.
- You will not receive credit for a course if you have already successfully completed a similar or more advanced course in the same area. The following restrictions apply:

If you received credit for:

PHYS 100
PHYS 101
PHYS 150
PHYS 201
PHYS 202
PHYS 203
PHYS 204
PHYS 250
PHYS 275
PHYS 300

you cannot receive credit for:

PHYS 101
PHYS 100
PHYS 100, 101, 201, 203
PHYS 100, 101, 150, 203
PHYS 100, 101, 204, 250
PHYS 100, 101, 150, 201
PHYS 100, 101, 202, 250
PHYS 100, 101, 202, 204
PHYS 300
PHYS 275

TEST-OUT AND CREDIT-BY-EXAM POLICY FOR PHYSICS AND ASTRONOMY

See the statement under [Astronomy](#).

We will offer test-out examinations for all General Education Program requirement (GEP) physics and astronomy. The exams will cover both lecture and laboratory topics.

If you wish to take a test-out exam, confer with the department chair who will arrange for a faculty member to administer and grade a comprehensive written exam. A passing grade will be at least five percent above the most recent class average. You will be informed of the required passing score before taking the exam. Results will be evaluated and (if appropriate) credit granted by the departmental Educational Policies Committee. You may not take an exam more than once.

Course credit can be granted for ASTR 205, 206, 311; PHYS 115, 150, 203, 204, 250. Credit will NOT be granted for ASTR 100 and PHYS 100 and 101, but the GEP requirement will be waived.

Pre-Engineering

For all pre-engineering programs except pre-chemical engineering, you should take the following science and mathematics courses in your freshman and sophomore years: MATH 120, 121, 213, 222; PHYS 150, 250, 300. CHEM 105, 106 (or 117) is also recommended. Specific engineering curricula and universities have individual requirements. See a physics adviser for additional information and suggested electives. For [pre-chemical engineering](#) and/or ABET accredited engineering, see [Paper Science and Engineering](#) earlier in this catalog.

Courses in Physics

PHYS 100. Energy in Today's World. 3 cr. Basic energy concepts; energy sources and processes; projected depletion of present resources; role of conservation, research, development; alternatives and prospects for the future. 2 hrs lec, 2 hrs lab per wk. Prereq: MATH 90 or suitable placement test score. GDR: NS, EL; GEP: ER, QL

PHYS 101. General Physics. 5 cr. Fundamental principles of physics for a general audience; for students in elementary education, general education, communicative disorders, and physical education. 2 hrs lec, 1 hr disc, 4 hrs lab per wk. GDR: NS; GEP: NSC

PHYS 111. Seminar: Introduction to Physics. 1 cr; pass/fail. For students interested in a physics major/minor. Topics include careers, areas of current research, and library research techniques. Does not count toward physics requirements of natural science major.

PHYS 115. Acoustics. 4 cr. Interdisciplinary introduction to the principles of acoustics integrating information from physics and communicative disorders. Topics include waves, sound, speech, hearing, resonance, harmonics, analysis and synthesis of sounds. Applications to speech production and music/musical instruments. 3 hrs lec, 2 hrs lab per wk. Does not count toward physics requirements of natural science major. Prereq: So st required; MATH 100 or equiv recommended. GEP: IS

PHYS 150. University Physics I. 5 cr. Mechanics, waves, and sound. 3 hrs lec, 1 hr disc, 3 hrs lab per wk. Prereq: MATH 120, or con reg, or cons instr. GDR: NS; GEP: NSC

PHYS 201. Applied Principles of Physics I. 4 cr. Topics in mechanics, heat, and sound. 2 hrs lec, 1 hr disc, 3 hrs lab per wk. Prereq: MATH 100 or equiv, or cons instr. For natural resources students.

PHYS 202. Applied Principles of Physics II. 3 cr. Topics in electricity, magnetism, optics, and modern physics. 2 hrs lec, 3 hrs lab per wk. Prereq: 201 or equiv, or cons instr. For natural resources students.

PHYS 203. College Physics I. 5 cr. Mechanics, waves, and sound. For students in general education, biology, premedical and related fields. 3 hrs lec, 1 hr disc, 3 hrs lab per wk. Prereq: 1 yr high school algebra and 1 yr high school geometry, or equiv. GDR: NS; GEP: NSC

PHYS 204. College Physics II. 5 cr. Light, electricity and magnetism, and topics in modern physics. For students in general education, biology, premedical and related fields. 3 hrs lec, 1 hr disc, 3 hrs lab per wk. Prereq: 203 or equiv, or cons instr. GDR: NS; GEP: NSC

PHYS 250. University Physics II. 5 cr. Electricity, magnetism, and optics. 3 hrs lec, 1 hr disc, 3 hrs lab per wk. Prereq: 150, MATH 121 or con reg or cons instr. GDR: NS; GEP: NSC

PHYS 275. Modern Perspectives of Physics. 3 cr. An algebra-based introduction to special relativity, quantum and atomic physics, nuclear physics, and applications of quantum physics to the modern world. Intended for students planning to teach physics at the secondary level. Does not satisfy requirements for the physics major or minor. You may not take both 275 and 300 for credit. Prereq: 204 or 250, or cons instr.

PHYS 300. Modern Physics. 3 cr. Special relativity, quantization, Bohr atom, matter waves, solutions to the one-dimensional Schrodinger equation, nuclear physics. Prereq: 250 or cons instr. (II)

PHYS 315. Computational Physics. 4 cr. Solving problems in physics using numerical methods, programming and data manipulation software. 3 hr lec, 3 hrs lab per wk. Prereq: 250 or cons instr. (II)

PHYS 320. Electricity and Magnetism. 4 cr. Introduction to theory of electrostatics, potentials and fields, dielectrics, magnetostatics, magnetic properties of materials, Maxwell's equations. Prereq: 250, MATH 222 or cons instr. (I, odd yrs.)

PHYS 335. Advanced Mechanics. 3 cr. Vectors; rectilinear and curvilinear motions, including simple harmonic and damped vibrations; rotation of rigid bodies; Lagrangian mechanics. Prereq: 250, MATH 213 and 222 or cons instr. (I, even yrs.)

PHYS 370. Electronics. 4 cr. Theory, application, and practice of analog and digital electronics. 3 hrs lec, 3 hrs lab per wk. Prereq: 202 or 204 or 250 or cons instr. (I, odd yrs.)

PHYS 381. Selected Topics. 1-3 cr. Advanced coursework in specialized areas of physics. May repeat under different subtitles. Prereq: Cons instr.

PHYS 383. Solid State Physics. 3 cr. Conductivity, optical properties of conductors and insulators, polarization, magnetization, free electron theory, band theory, and semiconductors. Prereq: 300, MATH 222 or cons instr. (I, even yrs.)

PHYS 384. Astrophysics. 3 cr. Selected topics in areas of astrophysics including planetary physics, stellar physics, galactic and extragalactic astronomy, and cosmology. Prereq: 250 and 300, MATH 222 or cons instr. (II, odd yrs.)

PHYS 385. Optics. 3 cr. Wave, ray, and photon modes of light; geometrical optics with emphasis on imaging; physical optics including polarization, interference, and diffraction; modern optics including lasers and nonlinear optics. 2 hrs lec, 3 hrs lab per wk. Prereq: 250 and 300, MATH 222 or cons instr. (I, even yrs.)

PHYS 388. Research Participation. 1-4 cr. Investigate current problems in physics; 3-12 hrs lab per wk. For physics majors/minors. May repeat for 4 cr max. Prereq: Cons research supervisor and cons chair.

PHYS 390. Cooperative Internship in Applied Physics. 1-6 cr. Supervised work program in applied physics at a cooperating agency or business. Credit determined by internship director. Credit does NOT apply to major. May be repeated for 6 cr max.

Prereq: Physics majors only; cons internship director.

PHYS 405. Quantum Mechanics. 3 cr. In-depth study of Schrodinger's equation, the harmonic oscillator, angular momentum, the hydrogen atom, and Dirac formalism, spin, approximation methods, selection rules, transitions, and multi-electron atoms. Prereq: 300, MATH 213 and 222 or cons instr. (II, even yrs.)

PHYS 435. Thermodynamics and Statistical Mechanics. 3 cr. Introduction to laws of thermodynamics and their explanation by statistical mechanics. Applications to gases, liquids, solids; boson and fermion systems; phase and chemical equilibrium. Prereq: 250, MATH 222. (I, odd yrs.)

PHYS 470. Experimental Physics. 2 cr. Experiments and laboratory practice in electricity, magnetism, optics; atomic, nuclear, and solid state physics. 1 hr lec, 3 hrs lab per wk. Prereq: 300 or cons instr. (II)

PHYS 490. Internship in Applied Physics. 1-6 cr. Supervised work program in applied physics at a cooperating agency or business. Credit determined by internship director. Credit applies for applied physics emphasis majors only. May repeat for 6 cr max. Prereq: Physics majors only; cons internship director.

PHYS 496. Independent Study. 1-4 cr. Planned study to supplement preparation in area of specialization; regular scheduled conferences with staff supervisor. For physics majors/minors. May repeat for 4 cr max. Prereq: Cons staff supervisor and cons chair.

PHYS 499. Special Work. 1-4 cr. Upperclass physics majors or minors may arrange for independent study. Credit based on scope of project. May repeat for 4 cr max. Prereq: Cons staff supervisor and cons chair.

PHYS 796. Independent Study. 1-4 cr. Planned study to supplement preparation in area of specialization. Prereq: Maturity to work independently; must supplement current graduate work.

Physics Latent Courses: Not offered recently. See full course description in indicated (xx-xx) catalog.

206 Basic Electricity, 3 cr, (99-01)

220 Statics, 3 cr, (91-93)

221 Dynamics, 3 cr, (91-93)

391 Digital Systems and Microprocessors I, 4 cr, (95-97)

392 Digital Systems and Microprocessors II, 3 cr, (95-97)

701 Physical Science 3-4 cr, (01-03)

POLISH

See [Natural Science](#).

Political Science

(College of Letters and Science)

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Faculty: J Blakeman, J Collins, A Kartal, B Mapes-Martins, E Miller, D Riley, E Wabindato, D Williams.

Definition: Political science is the study of the government and politics of the United States, other nations, and international relations.

Political Science Major (Bachelor of Arts)

Consists of at least 36-44 credits including:

1. POLI 101 and EITHER 160 or 180.
2. POLI 203.
3. At least 18 credits in courses 300 and above.
4. At least 3 credits in four of the following five fields.
 - a. **American politics and government:** POLI 212, 242, 307, 308, 310, 315, 316, 317, 320, 322, 324, 330, 331, 332, 333, 334, 335, 341, 408, 414.
 - b. **Public policy and administration:** POLI 202, 250, 304, 306, 314, 354, 356, 358, 397, 450.
 - c. **Political theory:** POLI 270, 391, 392, 393, 394, 395, 396, 497.
 - d. **Comparative politics:** POLI 309, 361, 362, 363, 364, 366, 370, 371, 374, 375.
 - e. **International politics:** POLI 305, 376, 382, 383, 385, 387, 388.
5. Complete a two-semester sequence of university entry-level world language courses (101, 102). The requirement may be fulfilled through equivalent coursework or other language acquisition as demonstrated through a test-out policy (including Native American languages and American Sign Language). If your native language is not English and you can document formal high school or university study of your native language, then you may use ENGL 101 and 202, or ENGL 150 as a means of fulfilling this foreign language requirement.
6. The Capstone Experience requirement is satisfied by POLI 498 Capstone Seminar **OR** POLI 499 as a 3 credit independent study that satisfies the Capstone Experience requirements.
7. Communication in the Major is satisfied by POLI 203 **AND either** POLI 498 Capstone Seminar **OR** POLI 499 as a 3 credit independent study with a presentation of research to a public audience **OR** POLI 455 Internship.

Political Science Major (Bachelor of Science)

Consists of at least 39-40 credits including:

1. POLI 101 and EITHER 160 or 180.
2. POLI 203.
3. At least 18 credits in courses 300 and above.
4. At least 3 credits in four of the following five fields.
 - a. **American politics and government:** POLI 212, 242, 307, 308, 310, 315, 316, 317, 320, 322, 324, 330, 331, 332, 333, 334, 335, 341, 408, 414.

- b. **Public policy and administration:** POLI 202, 250, 304, 306, 314, 354, 356, 358, 397, 450.
 - c. **Political theory:** POLI 270, 391, 392, 393, 394, 395, 396, 497.
 - d. **Comparative politics:** POLI 309, 361, 362, 363, 364, 366, 370, 371, 374, 375.
 - e. **International politics:** POLI 305, 376, 382, 383, 385, 387, 388.
5. For the Bachelor of Science in Political Science, you must take either MATH 355 OR MATH 367.
 6. The Capstone Experience requirement is satisfied by POLI 498 Capstone Seminar **OR** POLI 499 as a 3 credit independent study that follows the **Capstone Experience** requirements in the General Education Program.
 7. Communication in the Major is satisfied by POLI 203 **AND either** POLI 498 Capstone Seminar **OR** POLI 499 as a 3 credit independent study with a presentation of research to a public audience **OR** POLI 455 Internship.

Recommended Emphases

Graduate School Preparation: POLI 203, 397, 497; CIS 101/102; ENGL 250; MATH 355.

Prelaw: POLI 212, 320, 330, 331, 332, 333, 334, 395, 450; ACCT 210; ENGL 250; PHIL 315.

Public Policy and Administration: POLI 202, 250, 354, 356, 358, 397; CIS 101/102; MATH 355.

Teacher Certification:

1. You need 12 credits American politics and government, including 3 credits public law and 3 credits state and local; 6 credits comparative and international; 6 credits theory including POLI 203 or 497 that is required for certification by the Department of Public Instruction.
2. The DPI requires all elementary and secondary education majors to take POLI 101.
3. Also see information about the Professional Education Program and Secondary Education for teacher certification in the [Education](#) section of this catalog.

Political Science Minor

Consists of at least 21 credits including:

1. POLI 101 and EITHER 160NW or 180.
2. At least 9 credits in courses numbered 300 and above.
3. At least 3 credits in four of the five fields listed above with the major.

Academic Standards for Political Science Major

1. To graduate with a major in political science, you must earn a grade point average of 2.50 or higher (2.75 to student teach) in ALL courses taken in the major, including transfer courses, regardless of any declaration of academic bankruptcy. You may repeat a course in the major only if you follow the course repeat policy found in the [More Academic Information](#) section of this catalog.

2. Begin your study of political science by taking POLI 101. Take 200 level survey courses before the 300-400 level courses in the various fields.
3. Courses in political science are open to all students who meet the prerequisites.

Credit-by-Exam Policy for Political Science

Political Science Department will grant credit for political science courses that satisfy general education requirements if you demonstrate your competency on an authorized examination. You may attempt an exam only once.

1. For POLI 101 and 201 you must receive a score of 3 or higher on the Advanced Placement (AP) test or score at or above the 50th percentile on the College Level Entrance Placement (CLEP) test.
 - a. For 201 you must also pass, with a score of at least 70 percent, a supplemental exam prepared by the department on state and local government.
 - b. If you score high enough on the AP or CLEP but not on the supplemental exam, you will receive credit for 101 but not 201.
2. For POLI 160 you must receive a score of 3 or higher on the AP test or pass a department-authorized exam described below.
3. For the remaining political science courses that meet general education requirements you will receive access to materials from the current or most recent course. The exam will be based on recent tests from the course. The instructor will evaluate your proficiency and assign a grade of P or N based on standards outlined in the course syllabus.

Courses in Political Science

POLI 101. American Politics. 3 cr. Survey of American politics and government. May not earn credit in both 101 and 201. GDR: SS1; GEP: SS, USD

POLI 160. Comparative Politics. 3 cr. Theories of comparative politics; study of political systems of selected Western, non-Western, and Communist countries. GDR: NW, SS1; GEP: GA, SS

POLI 180. International Relations. 3 cr. Analysis of general principles and theories of international politics and organizations; emphasis on security, power, prestige, and peace. GDR: SS1; GEP: SS

POLI 190. Contemporary Political Issues. 1 cr; pass/fail. Critical examination of social and political implications of a major, contemporary issue. 2 hrs per wk. Subtitle will designate area. May take twice with different subtitles.

POLI 202. American Policymaking. 3 cr. Analysis of governmental policymaking; emphasis on theories of the policy process and substantive policy issues. GDR: MNS, SS1; GEP: SS, USD

POLI 203. Introduction to Political Analysis. 3 cr. Introduction to approaches and methods of political science research. Emphasis on research design, data collection, interpretation, and use of computers in political science. Prereq: 101 or 160 or 180 or cons instr.

POLI 211. Practical Law. 3 cr. Principles and applications of civil and criminal law as they affect citizens; emphases on consumer, juvenile, family, mental commitment, rules of evidence, probate, torts, and student rights. Prereq: So st.

POLI 212. Law and Legal Systems. 3 cr. Nature of law and legal processes as instruments of social control. Prereq: So st. GDR: SS1; GEP: IS

POLI 242. State and Local Government. 3 cr. Analysis of political structure, functions, and behavior at subnational level; examine empirical theories that seek to explain political behavior in states and communities; emphasis on Wisconsin. Prereq: So st. GDR: SS1; GEP: SS

POLI 250. Public Administration. 3 cr. Theory and practice of public administration in the United States. Prereq: So st. GDR: SS1; GEP: SS

POLI 270. Theories of Politics: Liberalism, Conservatism, Democracy. 3 cr. Examine central ideologies in American politics through classic and contemporary texts. Theoretical foundations and practical applications in critical perspective. May not earn credit in both POLI 270 and PHIL 270. GDR: HU3; GEP: HU

POLI 304/504. Environmental Policy. 3 cr. Environmental quality policymaking processes and policy outputs, including statutes, agency rules, and court decisions dealing with air, water, and land; technology as problem and solution; analysis of costs, results, trends. GDR: EL; GEP: ER

POLI 305. International Environmental Politics. 3 cr. Analysis of regional and international environmental issues, and how politics plays a role in defining and posing solutions for global ecological problems. Emphasis on rationality, interdependence, and development. GDR: EL; GEP: ER

POLI 306/506. Health Politics and Policies. 3 cr. Focus on public policy of health care financing, delivery, access, and providers; impact of major government programs and proposed reforms; emphasis on technological change and its impact. GDR: SS2; GEP: SS

POLI 307. Politics and the Media. 3 cr. Analysis of the role mass media play in American politics. Emphasis on relationship between media and major political institutions as well as controversies surrounding the media. Prereq: 101 or cons instr.

POLI 308. Public Opinion. 3 cr. Formation, measurement, and content of American political opinions; relationship to public policies.

POLI 309. Tribal Governments in the United States. 3 cr. Contemporary tribal governments; relationships with federal, state, county, and local governments; intertribal organization and interest groups.

POLI 310. American Presidency. 3 cr. Analyze development of the American chief executive; emphasis on 20th century presidents; nature of presidential power, its effectiveness and limitations.

POLI 314/514. Public Policy Issues. 3 cr. Intensive analysis of selected national public policy issues; their origin, development, proposed solutions, and political impact.

POLI 315. Minority Group Politics. 3 cr. Political behavior and impact of ethnic, religious, racial and ideological minority groups in the United States. GDR: MNS, SS1

POLI 316/516. Parties and Elections. 3 cr. Description and critical examination of political parties and voting behavior in the U.S.

POLI 320/520. Legislative Process. 3 cr. Analyze forces and procedures that determine formation of law and public policy in the U.S.

POLI 324. Religion and Politics. 3 cr. Interaction between religion and politics in U.S. Impact of religion on American political culture, voting, political leadership, interest groups, economic and foreign policy, and the law. Includes comparative perspective. Prereq: 101.

POLI 330. Constitutional Law: Governmental Powers and Federalism. 3 cr. American constitutional development as exemplified by Supreme Court decisions; examine selected judicial decisions interpreting the Constitution; consideration of political and governmental implications of such decisions; constitutionalism and judicial review; the commerce clause; powers of the national executive, legislative, and judicial branches; substantive due process.

- POLI 331. Civil Liberties and Civil Rights.** 3 cr. American constitutional development in areas of civil liberties such as speech, press, religion and assembly. Development of political civil rights such as voting, and office holding; economic and social civil rights such as access to education, workplace, marketplace. Prereq: 212, or 330 or cons instr.
- POLI 334. Judicial Process.** 3 cr. Nature and role of law and judiciary in American democracy. Focus varies. Prereq: 212 or cons instr.
- POLI 335. Law and Society.** 3 cr. Investigate social organization of law and how law responds and affects social stratification. Also social scientific approaches to study of law, especially private law such as torts, contracts, property. Prereq: 101, 212.
- POLI 341. Urban Politics.** 3 cr. Analyze urban governments in the U.S.; attention to governmental structures, powers, policies, and political patterns in large and small cities; emphasis on Wisconsin. GDR: SS1; GEP: SS
- POLI 354/554. Public Personnel Administration.** 3 cr. Problems and practices involved in selection, training, and performance of public employees.
- POLI 356/556. Government Finance.** 3 cr. How U.S. national, state, and local governments determine their fiscal policies; governmental institutions and agencies involved, legislation and regulations, and the pattern of relationships affecting them.
- POLI 358/558. Public Budgets.** 3 cr. Determination and execution of public agency budgets; preparation, authorization, and political considerations of the government agency budget.
- POLI 361/561. Western European Politics.** 3 cr. Comparison of governments and politics of the United Kingdom, France, and the Federal Republic of Germany. GDR: SS1; GEP: SS
- POLI 362. East European Politics.** 3 cr. Political structures, processes, and institutions of Central and East Europe. Emphasis on the politics of transition and challenges to democratization. GDR: NW, SS1; GEP: GA, SS
- POLI 363. The Politics of the European Union.** 3 cr. Course will cover the politics of European Union integration and policymaking. Major EU institutions, policies, and political behavior will be studied.
- POLI 371. Chinese Politics.** 3 cr. Examine evolution, dynamics, and institutions of the political and economic system of the People's Republic of China. GDR: NW, SS1; GEP: GA, SS
- POLI 374. Political Development.** 3 cr. Analyze the dynamics and processes of political transition; emphasis on issues associated with political, economic, and psychological changes in selected third world and eastern European countries.
- POLI 375. Latin American Politics.** 3 cr. Study Latin American political and economic development in the 20th century and examine current dilemmas of democratic consolidation and contemporary politics in select countries. Overarching themes include political leadership, economic development, populism, socialism, democratization, social movements and civil society, human rights, and the impact of international actors and forces. Prereq: 160 or cons instr. GDR: NW
- POLI 376. International Political Economy.** 3 cr. Analyze interstate relationships with emphasis on political implications of economic concerns such as trade disputes, investment penetration, and industrial protectionism.
- POLI 382. Latin America in World Affairs.** 3 cr. Analyze Latin America's international relations and its position in the international system. Examine important regional issues with international dimensions: human rights, conflict resolution, democratization, drug trafficking, regional economic integration, and trade relations. Prereq: 160 or cons instr. GDR: NW; GEP: GA
- POLI 383. U.S. Foreign Policy.** 3 cr. International and internal forces underlying U.S. foreign policy; relating U.S. aims and policies to other important states and regions of the world.
- POLI 385. International Organizations and Law.** 3 cr. Analyze role, structure, and functions of contemporary international organizations, the role of international law in dispute resolution.
- POLI 386. Politics of Terrorism.** 3 cr. In-depth analysis of definitions and uses of terrorism; critical review of theories and cases from wide variety of viewpoints and situations; understanding the role of the symbol of terrorism on broader political arena.
- POLI 387. International Simulation.** 1-3 cr. Simulate international interactions such as trade negotiations, peace talks, and meetings of international organizations. Act as representatives of various governments in making policies, allocating resources, and forming alliances under different scenarios. Subtitle will designate area. May repeat for 3 cr max with different subtitles. Prereq: Cons instr.
- POLI 388. International Law.** 3 cr. Public international law concerning legal relationships between states in the international system. Study basics of international legal system including sources of law, state sovereignty issues, dispute resolution between states and other entities, laws governing international organizations, basic human rights law, laws regulating use of force. Prereq: 160 or 180.
- POLI 389. Food and Environment.** 3 cr. Study food production and consumption from political, historical, and environmental angles. May not earn credit in both POLI 389 and HIST 389. GEP: IS
- POLI 391. American Political Thought.** 3 cr. Analyze major concepts and figures in American political thinking. Emphasis on equality, individual rights, government by consent of the governed and the right of revolution. GDR: HU3; GEP: HU, IS
- POLI 393/593. Ancient and Medieval Western Political Theory.** 3 cr. Examine principal political thinkers of ancient Greek and medieval Roman societies including Thucydides, Socrates, Plato, Aristotle, St. Augustine, St. Thomas Aquinas. Emphasizes enduring nature of central questions of politics. GDR: HU3; GEP: HU
- POLI 394/594. Modern Western Political Theory.** 3 cr. Examine principal thinkers of Renaissance, Enlightenment, and Romantic Europe including Machiavelli, Hobbes, Locke, Rousseau, Marx, Bentham, Mill. Emphasizes problems endemic to modern political societies. GDR: HU3; GEP: HU
- POLI 395/595. Contemporary Political Theory.** 3 cr. Examine and analyze problems in contemporary political theory. Focus will vary. GDR: HU3; GEP: HU
- POLI 396. Radical and Utopian Politics.** 3 cr. Selected revolutionary movements, leading actors in revolutionary dramas, and radical and utopian blueprints of future societies.
- POLI 397/597. Methods of Policy Analysis.** 3 cr. Systematic methods, techniques, tools for public policy evaluation; policy analysis as service to decision makers, analysts in policy and political processes. Prereq: 202 or 314, statistics, or cons instr.
- POLI 414. Politics of Race, Class and Gender in the U.S.** 3 cr. Examine causes and consequences of American political discord over race, class and gender and how this discord manifests itself in and emanates from the laws our society creates to manage conflict, distribute resources, and parcel out value preferences. Prereq: 101. GDR: MNS; GEP: USD
- POLI 450. Administrative Law.** 3 cr. Study of rules and procedures that govern administrative decision making; Administrative Procedure Act and leading Supreme Court cases.
- POLI 455. Internship in Government.** 1-6 cr. Work with a local, regional, state, or federal agency under instructor's supervision and complete a research paper. Credits set by instructor.
- POLI 490. Selected Problems in Political Science.** 1-3 cr. Examine problems in political thought or activities. Subtitle will designate topic.
- POLI 497/697. Methods of Political Science Research.** 3 cr. Examine political science as a discipline by using the materials, approaches, methods, and modes of presentation of contemporary research.
- POLI 498. Political Science Capstone Seminar.** 3 cr. Subtitle denotes specific topic. Graduating seniors: apply acquired skills, methodologies, and knowledge from the political science major and the General Education Program to selected topics for research and discussion in a seminar setting. Prereq: Political Science major, min sr st; successful completion of at least one course in four of the five areas of the discipline, and POLI 101, 160 or 180, and POLI 203, or cons chair.
- POLI 499. Special Work.** 1-3 cr. Upperclass political science majors and minors may arrange for independent study with cons chair. Credit based on scope of project.

POLI 790. Selected Problems in Political Science. 3 cr.
Graduate seminar investigating an area of political science. Subtitle will designate area. May repeat for credit with different subtitle.

POLI 796. Special Work. 1-3 cr. Graduate students may arrange for special out-of-class work with cons chair. Credit based on scope of project.

Political Science Latent Courses: Not offered recently. See full course description in indicated (xx-xx) catalog.

- 201 American Governments for Teachers, 3 cr, (07-09)
- 317/517 Political Corruption and Reform, 3 cr, (07-09)
- 322 Interest Group Politics, 3 cr, (11-13)
- 332 Rights of Persons Accused of Crime, 3 cr, (11-13)
- 333 Theories of Constitutional Interpretation, 3 cr, (07-09)
- 366 Nationalism and Ethno-Politics, 3 cr, (01-03)
- 370 Asian Politics, 3 cr, (03-05)
- 372 African Politics, 3 cr, (07-09)
- 384/584 Russian Foreign Policy, 3 cr, (01-03)
- 408 Politics and Popular Culture, 3 cr, (11-13)
- 596 Radical and Utopian Politics, 3 cr, (11-13)
- 690 Selected Problems in Political Science, 1-3 cr, (11-13)
- *** Political Science Honors Program (97-99)

From 87-89 catalog: 312 Law and Native Amer, 351/551 Org Theory/Practice, 454 Probs of Local Govt/Admin.

POLYMER CHEMISTRY

See [Chemistry](#).

PRELAW

See [Political Science](#).

PREPHARMACY

See [Chemistry](#).

PREPROFESSIONAL

Includes: prechiropractic, pre dental, premedical, premortuary, premedical, prenursing, preoptometry, prephysician's assistant, preveterinary

Please visit the online catalog at www.uwsp.edu/acadaff/Catalog%20PDF/currentcatalog.pdf

for the most up-to-date information on these preprofessional programs.

Prenursing

(College of Professional Studies) in cooperation with UW-Eau Claire

Susan Raab, Coordinator
Room D-127, Science Building
Phone: 715-346-3766
Email: sraab@uwsp.edu

Through a cooperative arrangement with UW-Eau Claire, you can earn a bachelor of science degree in nursing from UW-Eau Claire by completing nursing courses at St. Joseph's Hospital in Marshfield.

You spend three to five semesters at UW-Stevens Point, during which time you apply to UW-Eau Claire and the UW-Eau Claire School of Nursing. If accepted, you will complete five semesters of nursing courses at St. Joseph's Hospital, Marshfield.

The nursing degree is awarded by UW-Eau Claire. Requirements for UW-Eau Claire are satisfied through the following courses here at UW-Stevens Point.

1. **General education requirements:**
COMM 101.
ENGL 101, 102.
Foreign Language, 8 credits.
MATH 355.
PSYC 110, 260.
Social Sciences, 9-12 credits from at least 2 of 7 disciplines.
Humanities, 9-12 credits from at least 2 of 5 disciplines.
Wellness, 1 credit of aerobic activity (A/A).
2. **Major support courses:** BIOL 160, 333, 385, 387; CHEM 105; CLS 105, 295.
3. **Nursing courses:** 60 credits are offered through St. Joseph's Hospital via distance education technology and through use of on-site instructors.

For more complete information about the prenursing program and admission to the UW-Eau Claire professional nursing program, please contact the nursing coordinator (listed above).

PREOCCUPATIONAL THERAPY

See [Health Care Professions](#).

PREPHYSICAL THERAPY

See [Health Care Professions](#).

Prior Learning Assessment

Andy Held, Coordinator
Room 103, Student Services Center
Phone: 715-346-3361
Email: aheld@uwsp.edu

Prior Learning Assessment allows you to receive credit for college-level learning obtained outside the traditional academic setting. Credit is not granted simply for experience, but rather for the learning obtained from the experience. The learning is judged to be equivalent to knowledge you would gain through UW-Stevens Point coursework.

Prior learning may be evaluated by techniques such as an interview, demonstration, portfolio assessment, or other methods where appropriate for specific courses, College Level Examination Program (CLEP) examinations and challenge examinations offered by various departments.

After you have been formally admitted to the university you can request an evaluation of prior learning for credit. Please follow this procedure:

1. Contact the Prior Learning Assessment (PLA) Coordinator who will help you identify the competencies you have acquired, and decide which credits might be sought by prior learning assessments and/or by more traditional means.

Have transcripts that certify formal educational experience sent to the Admissions Office.

2. After you and the PLA Coordinator have determined which credits are to be sought, you will need to consult with the chair(s) of the involved department(s) concerning the preparation and documentation of the necessary materials relating to your prior learning experiences. You will want to consult with your academic adviser and may consult with the PLA Coordinator as you develop the materials requested by the involved department(s) concerning the competencies you believe you have already acquired.
3. Following preparation of the portfolio(s), take the materials to the chair(s) of the involved department(s). This begins the evaluation phase of the process. The chair may assign a faculty member and/or a committee to assess your portfolio.
4. After the evaluation is complete, a written recommendation for or against the award of credit, the amount of credit, and the level of credit, will be submitted to the chair of the appropriate department for review. The chair will forward the material and final recommendation to the PLA Coordinator.
5. The PLA Coordinator will notify you and the Records Office of the award of credit, which will be entered into your permanent record. A fee of \$50 for 12 or fewer credits, or \$100 for 13 or more credits will be assessed.

Evaluation of prior learning takes time. Please do not assume that the evaluation can be completed during the semester you apply. It may take several weeks or months.

PROFESSIONAL EDUCATION PROGRAM

See [Education](#).

Psychology (College of Letters and Science)

Craig Wendorf, Chair
Room D-240, Science Building
Phone: 715-346-2883
Email: Psychology@uwsp.edu
Web: www.uwsp.edu/psych

Faculty: P Conley, M Ferguson, A Gervasio, J Lewis, A Lowery, J Magyar-Moe, H Molenda-Figueira, T Motl, R Nemeth, R Owens, D Palmer, M Plonsky, J Rueb, E Weisgram, C Wendorf.

Definition: Psychology is the scientific study of the mind and behavior. It examines the biological, cognitive, emotional, social, cultural, and environmental processes underlying human and animal behavior in order to enhance psychological knowledge and its application

within a variety of settings (such as families, schools, clinics, and workplaces).

Psychology Major (Bachelor of Science)

Consists of at least 37 credits, including:

1. **Required:** 110, 200, 300.
2. **Core Content:** Choose at least one course from each of the following four domains:
 - a. *Developmental and Social Domain:* 260 or 320.
 - b. *Individual Variation Domain:* 301 or 351.
 - c. *Biopsychosocial Domain:* 325 or 330.
 - d. *Cognition and Learning Domain:* 331 or 375.
3. **Electives:** Twelve additional elective psychology credits, which may include courses from 2a, 2b, 2c, and 2d above, not already used. [No more than 6 credits of 200-level courses will count toward these electives.]
4. **Capstone Experience:** 400 or 490.

Note: If you are completing a Psychology Major, you will satisfy the Communication in the Major requirements by taking 200 and a Capstone Experience (400 or 490).

Human Services Concentration in Psychology Major (Bachelor of Science)

Consists of at least 37 credits, including:

1. **Required:** 110, 200, 300.
2. **Core Content:** Choose at least one course from each of the following four domains:
 - a. *Development and Social Domain:* 260 or 320.
 - b. *Individual Variation Domain:* 351.
 - c. *Biopsychosocial Domain:* 325 or 330.
 - d. *Cognition and Learning Domain:* 331 or 375.
3. **Human Services Courses:** 350, 401, 402, 480.
4. **Capstone Experience:** 400 or 490.

Note: Students completing a Human Services Concentration in Psychology Major will satisfy the Communication in the Major requirements by taking 200 and a Human Services Capstone Experience (400 or 490).

Enrollment priority for 402 and 480) goes to students who have completed 350, 351, and 401.

Psychology Minor

Consists of at least 18 credits in psychology, including:

1. **Required Courses:** 110, 200.
2. **Core Content:** Choose at least one course from each of the following two groups:
 - a. *Social Science Core:* 260, 320, 301 or 351.
 - b. *Cognitive Science Core:* 325, 330, 331 or 375.
3. **Electives:** Six additional elective psychology credits which may include courses from 2a and 2b above not already used.

Psychology Minor for Secondary Teacher Certification

Consists of at least 25 credits, including:

1. **Required:** 110, 200, 300.
2. **Core Content:** Choose at least one from each of the four domains:
 - a. *Developmental and Social Domain:* 260 or 320.
 - b. *Individual Variation Domain:* 351.
 - c. *Biopsychosocial Domain:* 325 or 330.
 - d. *Cognition and Learning Domain:* 331 or 375.
3. **Electives:** Three additional elective psychology credits which may include courses from 2a, 2c, and 2d above, not already used.

Academic Standards for Psychology Major

To be approved for graduation with a major in psychology, you need a minimum cumulative grade point average of 2.25 in all courses taken in psychology, regardless of a declaration of academic bankruptcy. Transfer students meet this requirement by having at least a 2.25 cumulative GPA in the total major and at least a 2.25 cumulative GPA in psychology courses taken at UW-Stevens Point.

The School of Education requires a grade point average of at least 2.75 in the major and minor fields for admission to student teaching and 3.00 for teaching internship. Enrollment caps are in effect for those seeking teacher certification. Please contact the Psychology Department early for entrance requirements and application procedures. Also see information about the Professional Education Program and the secondary education curriculum for teacher certification in the [Education](#) section of this catalog.

Credit-by-exam is available for PSYC 110 and 260 if you receive a score that is equal to or greater than the 50th percentile on the General Psychology and Developmental Psychology CLEP examinations. CLEP testing is done in the Testing Center in Delzell Hall.

Courses in Psychology

PSYC 110. Introduction to Psychology. 3 cr. Introduction to scientific study of behavior and mental processes, and methods used in psychological research. GDR: SS1; GEP: SS

PSYC 200. Research Methods in Psychology. 3 cr. Introduction to the research methods used in psychology including experimental and nonexperimental designs. Library research, conducting research, research ethics, and basics of writing in APA style. Prereq: 110.

PSYC 240. Psychology of Gender. 3 cr. Research and theory concerned with men's and women's personalities, roles, capacities; emphasis on socialization and gender role development. Prereq: 110. GDR: SS1; GEP: SS

PSYC 260. Introduction to Developmental Psychology. 3 cr. Survey growth and development; physical, perceptual, cognitive, linguistic, emotional, and social development; emphasis on human development from conception through adulthood. Prereq: 110. GDR: SS1; GEP: SS

PSYC 270. Positive Psychology. 3 cr. Scientific study of optimal human functioning, focusing on theory, research, application of positive emotions, character strengths and virtues, and positive institutions. Prereq: 110.

PSYC 275. Canine Behavior. 3 cr. Evolution, history, sensory abilities, social behavior, learning and methods of dog training. Behavior problems and ways dogs work with and help people. Prereq: 110.

PSYC 290. Psychoactive Drugs and Behavior. 3 cr. Introduction to psychopharmacology; examine effects of commonly used drugs on the central nervous system, behavior, and motivation for administration, consumption, and drug abuse. Prereq: 110 or cons instr. GDR: WL/HE

PSYC 295. Career Development in Psychology. 1 cr; pass/fail. Explore and prepare for careers and professions in psychology. Readings and activities to help understand fields of psychology, planning for graduate school, graduate school search/application processes, curricular/ extracurricular preparation for baccalaureate level occupations, and resume development. Prereq: Psych major.

PSYC 300/500. Statistics for Psychologists. 4 cr. Calculation and interpretation of measures of central tendency, variability, correlation, and regression in psychological research; hypothesis testing and estimation from large and small samples; analysis of variance; forms of experimental design. 3 hrs lec, 2 hrs lab per wk. Prereq: 110; 200 recommended; MATH 100 or a suitable placement test score. GEP: QL

PSYC 301. Personality Psychology. 3 cr. Contemporary approaches to the study of personality; clinical and experimental contributions to the understanding of the personality and its structure. Prereq: 110.

PSYC 315. The Psychology of Adolescence. 3 cr. An examination of the adolescence period, including biological, social, and cognitive changes that occur at this time, with emphasis placed on normative development. Prereq: 110.

PSYC 320. Social Psychology. 3 cr. An overview of theory and research on how people think, feel, and behave in social situations. Examine attitudes, conformity, group dynamics, helping behavior, intergroup relations, and social influence in everyday settings. Prereq: 110. GDR: SS1; GEP: SS

PSYC 321. Environmental Psychology. 3 cr. Theoretical and empirical relationships between human psychology and the natural environment; environmental attitudes, values, and social norms; interactions with nature; promotion of sustainable behavior. Prereq: 110. GDR: EL; GEP: ER

PSYC 322. Psychology and Culture. 3 cr. Examine relationship between psychology and culture/ethnicity. Examine psychological processes that contribute to origin and persistence of culture; ways culture/ethnicity affect psychological processes/behavior. Prereq: 110. GDR: MNS; GEP: USD

PSYC 325. Physiological Psychology. 3 cr. Introduction to biological bases of behavior. Nervous system function and its relation to behavior, perception, motivation and thinking. May include behavioral endocrinology, behavioral genetics, evolutionary psychology, and psycho-pharmacology. Prereq: 110.

PSYC 330. Perception. 3 cr. Fundamental concepts of perception involving all the senses, with emphasis on hearing and vision; experimental findings, theoretical interpretations, and demonstrations relating to perception. Prereq: 110. GDR: SS1

PSYC 331. Cognitive Psychology. 3 cr. Topics in human cognition including sensory memory, pattern recognition, selective attention, working memory, semantic memory and connectionist models, speech production and comprehension, semantic and syntactic theories, language acquisition, concept attainment, problem solving and artificial intelligence. Prereq: 110.

PSYC 345. Industrial/Organizational Psychology. 3 cr. Job analysis, selection, training, performance appraisal; EEOC/diversity, sexual harassment, compensation, employee motivation, attitudes and morale, and leadership Prereq: 110.

PSYC 350. Psychological Assessment. 3 cr. Introduction to psychological assessment and norm-referenced testing. Psychometrics, test construction, and validation. Contemporary intelligence, achievement, interest, and personality tests and behavioral assessment techniques. Prereq: 110, 300, or MATH 355, or cons instr.

PSYC 351. Abnormal Psychology. 3 cr. Research-based study of classification, causes, origins (etiology), and treatment of major psychological disorders including anxiety and mood disorders; schizophrenia; personality disorders, childhood problems, sexual dysfunctions, and neurological disorders. Prereq: 6 cr in psych and jr st; or cons instr.

PSYC 360/560. Behavior and Learning Disorders in Children. 3 cr. Introduction to child/adolescent psychopathology. Includes causes, course, and treatment of developmental disorders, learning disorders, internalizing disorders, externalizing behavior problems in childhood. Developmental psychopathology. Prereq: 260 or cons instr.

PSYC 375/575. Learning. 3 cr. Simple and complex learning, including conditioning, sensory-motor learning, language learning, problem solving; emphasis on contemporary theories. Prereq: 110.

PSYC 385/585. Health Psychology. 3 cr. Contribution of environmental and psychological factors to the causes, treatment, and prevention of disease. Prereq: 110.

PSYC 395. Selected Topics in Psychology. 3 cr. Discuss topics in psychology. Subtitle will designate area. May repeat for credit with different subtitles. Additional prereqs may apply depending on the topic. Prereq: 110 and cons instr.

PSYC 399/599. Independent Study. 1-3 cr. Qualified students may arrange for independent study, research assistantship, or other relevant learning experience under the direction of psychology faculty. Credit based on scope of project. May repeat for 6 credits maximum toward psychology major or minor. Prereq: 110; cons instr.; 200 recommended. GEP: XL

PSYC 400. Advanced Research Methods in Psychology. 3 cr. Exposure to and practice with advanced research designs used in psychology. Focus on the link between research and design and the statistical tests used for these designs. Conduct research projects, collect and analyze data, and write and present as appropriate to the field. Prereq: 110, 200, 300 and cons. instr; 27 credits in Psychology.

PSYC 401/601. Introduction to Counseling and Psychotherapy. 3 cr. Major approaches to counseling and psychotherapy; theory, research, evaluation, and demonstration. Prereq: 110 and 200; 301 or 351; jr. st; cons instr for nonmajors.

PSYC 402/602. Practicum in Counseling and Psychotherapy. 3 cr. Clinical application of theory/research in counseling and psychotherapy. Develop professional ethics, attitudes, behaviors, communication, and intervention skills essential to therapeutic interview. Videotape/ critique student counseling interviews. Prereq: 401 and cons instr.

PSYC 480/680. Applied Theories of Behavioral and Cognitive Therapies. 3 cr. Application of behavioral and cognitive theory and research in the remediation of psychological disorders and behavior problems, including such topics as operant conditioning, cognitive restructuring, desensitization therapies, token economies and biofeedback. Practical application of behavior principles included. Prereq: 110, 200, and 351; jr. st; 375 recommended.

PSYC 490. Seminar: Topics in Psychology. 3 cr. Integrative discussion of theory and research in psychology. Subtitle will designate area. May repeat for credit with different subtitles. Write and present as appropriate to the field. Additional prereqs may apply depending on the topic. Prereq: 110, 200, 300, and cons instr; 27 credits in Psychology.

PSYC 491/691. Workshop. 1-5 cr. Subtitle will designate area. May repeat for credit with different subtitles.

PSYC 494. Human Services Internship. 1-6 cr. Field experience in human services agencies or activities under direction of field placement supervisors and psychology faculty. May repeat for 9 cr max. Prereq: 351, 401, psych major, jr st, 2.5 cum & Psychology GPA, cons instr, and con reg in 495. GEP: XL

PSYC 495. Human Services Internship Seminar. 1 cr. Weekly professional seminar meetings. Review professional practice standards, critique case study presentations, discuss professional ethics. Prereq: Con reg in 494. GEP: XL

PSYC 796. Special Work. Advanced graduate students may arrange for specialized independent study with cons instr, chair, and chair of major department. Credit based on scope of project.

Psychology Latent Courses: Not offered recently. See full course description in indicated (xx-xx) catalog.

250	Psychology of Adjustment, 3 cr, (09-11)
255	Psychology of Sexual Behavior, 3 cr, (07-09)
311	Research Practicum Seminar, 1 cr, (09-11)
312	Research Practicum, 1-3 cr, (09-11)
323	Applied Social Psychology, 3 cr, (09-11)
332	Topics in Cognition, 3 cr, (11-13)
335	Motivation, 3 cr, (07-09)
340	Comparative Psychology, 3 cr, (93-95)
389	Experimental Psychology, 3 cr, (09-11)
452	History, Systems, and Contemporary Issues, 3 cr, (11-13)
460/660	Developmental Psychology Seminar, 3 cr, (93-95)
465/665	Psychology of Late Adulthood, 3 cr, (07-09)
485/685	Behavioral Medicine, 3 cr, (03-05)
482/682	Practicum in Behavior Therapy, 3 cr (11-13)

Public Administration and Policy Analysis (College of Letters and Science)

John Blakeman, Chair of Political Science

Room 484, Collins Classroom Center

Phone: 715-346-2688

Email: polisci@uwsp.edu OR jblakema@uwsp.edu

Web: www.uwsp.edu/polisci

Public administration and policy analysis is an interdisciplinary program, offering a major and minor, administered by the Political Science Department. For students interested in public service or graduate education.

Public Administration and Policy Analysis Major (Bachelor of Science)

Consists of 40 credits distributed as follows:

1. **Government**, 6 credits: POLI 101, 242.
2. **Administration**, 12 credits: POLI 250 and 9 credits from: BUS 320; POLI 354, 358, 450, 455.
3. **Policy Analysis**, 12 credits from: POLI 202 and 397; 6 credits from: POLI 304, 305, 306, 314, 356, 455.
4. **Statistics**, 4 credits: MATH 355 or PSYC 300 or SOC 351.
5. **Economics**, 6 credits: ECON 110 and 111.
6. **Recommended:** POLI 455 internship.

The Capstone Experience requirement is satisfied by POLI 397.

Communication in the Major is satisfied by 6 credits from the following: POLI 304, 305, 397, 450, 455.

Public Administration and Policy Analysis Minor

Consists of 25 credits.

1. Government, 6 credits: POLI 101, 242.
2. Principles, 6 credits: POLI 202, 250.
3. Functional areas, 6 credits from: POLI 354, 356, 358, 450; BUS 380.
4. Tools of analysis, 7 credits: POLI 397 and statistics from MATH 355 or PSYC 300 or SOC 351.

Academic Standards for Public Administration and Policy Analysis Major

To graduate with a major in public administration and policy analysis, you must earn a grade point average of 2.50 or higher in ALL courses taken in the major, including transfer courses, regardless of any declaration of academic bankruptcy. You may repeat a course in the major only if you follow the course repeat policy found in the [More Academic Information](#) section of this catalog. Courses in public administration and policy analysis are open to all students who meet the prerequisites.

PUBLIC RELATIONS

See [Communication](#).

RECREATION FORESTRY

See [Natural Resources – Forestry](#).

Religious Studies

(College of Letters and Science)

David Chan, Chair of Philosophy Department
Room 489, Collins Classroom Center
Phone: 715-346-3340

Email: philosophy@uwsp.edu

Web: www.uwsp.edu/philosophy

Faculty: A Keefe, S. Luft, J Waligore, L. Whitmore.

Definition: Religious Studies is the cross-cultural and comparative examination of humanity's diverse religious traditions.

Mission: Religious Studies, housed in the Department of Philosophy, trains you in the skills of critical thinking, written and oral communication, and empathetic engagement with diverse worldviews, cultures, ethical systems and religions. The training we offer equips you with the skills needed for a wide variety of professional careers and with the ability to adapt to the inevitable changes and challenges they will face after graduation.

Philosophy Major with Concentration in Religious Studies (Bachelor of Arts)

Consists of a minimum of 47 credits including:

1. **Philosophy core**, 12 credits.
 - a. **Logic:** PHIL 121 or 322.

- b. **Ethics:** PHIL 101, 302, 305, 335, 336, 350, 351, or 380.
 - c. Any two additional courses in philosophy.
2. **Religious studies concentration**, 27 credits. At least 18 must be 300 level or above.
 - a. **Introduction to the Study of Religion:** REL 202. This (in conjunction with REL 450) will satisfy the Communication in the Major requirement.
 - b. **Global Religions 1: Asian and Indigenous Traditions:** Two courses from REL 100, 316, 333, 340, 341, PHIL 105, or ANTH 320.
 - c. **Global Religions 2: Western Traditions:** Two courses from REL 101, 302, 303, 304, 305, 311, 325, 330, or 342.
 - d. **Senior seminar:** REL 450. This will satisfy the Capstone Experience requirement and (in conjunction with REL 202) satisfy the Communication in the Major requirement.
 - e. **Electives:** A minimum of 9 additional credits from religious studies or collateral courses including: ANTH 110, 320, 380; ART 270, 374; HIST 332, 357; PHIL 320, 327, 330; POLI 324.
3. **Bachelor of Arts in Religious Studies:** Complete a two-semester sequence of university entry-level world language courses (101, 102). The requirement may be fulfilled through equivalent coursework or other language acquisition as demonstrated through a test-out policy (including Native American languages and American Sign Language). If your native language is not English and you can document formal high school or university study of your native language, then you may use ENGL 101 and 202, or ENGL 150 as a means of fulfilling this foreign language requirement.

Philosophy Major with Concentration in Religious Studies (Bachelor of Science)

Consists of a minimum of 42 credits including:

1. **Philosophy core**, 12 credits.
 - a. **Logic:** PHIL 121 or 322.
 - b. **Ethics:** PHIL 101, 302, 305, 335, 336, 350, 351, or 380.
 - c. Any two additional courses in philosophy.
2. **Religious studies concentration**, 27 credits. At least 18 must be 300 level or above.
 - a. **Introduction to the Study of Religion:** REL 202. This (in conjunction with REL 450) will satisfy the Communication in the Major requirement.
 - b. **Global Religions 1: Asian and Indigenous Traditions:** Two courses from REL 100, 316, 333, 340, 341, PHIL 105, or ANTH 320.
 - c. **Global Religions 2: Western Traditions:** Two courses from REL 101, 302, 303, 304, 305, 311, 325, 330, or 342.
 - d. **Senior seminar:** REL 450. This will satisfy the Capstone Experience requirement and (in

conjunction with REL 202) satisfy the Communication in the Major requirement.

- e. **Electives:** A minimum of 9 additional credits from religious studies or collateral courses including: ANTH 110, 320, 380; ART 270, 374; HIST 332, 357; PHIL 320, 327, 330; POLI 324.
3. **Bachelor of Science in Religious Studies:** Take at least 9 credits total from the GEP Social Science and Natural Science categories.

Religious Studies Minor

Consists of a minimum of 18 credits. At least 9 credits must be at the 300 level.

1. **Introduction to the Study of Religion:** REL 202.
2. **Global Religions 1: Asian and Indigenous Traditions:** Two courses from REL 100, 333, 340, 341, or PHIL 105.
3. **Global Religions 2: Western Traditions:** Two courses from REL 101, 302, 303, 304, 305, 311, 325, 330, or 342.
4. **Electives:** A minimum of 3 additional credits from religious studies and collateral courses including ANTH 110, 320, 380; ART 270, 374; HIST 332, 357; Phil 320, 327, 330; POLI 324.

Academic Standards for Religious Studies

1. To ensure that your program is as well planned as possible, you must have a religious studies adviser.
2. You must have your adviser's approval for all courses you select to apply to the major or minor.
3. To be accepted and retained as a major or minor and approved for graduation, you must have a minimum grade point average of 2.50 in courses counted toward the major or minor, including transfer courses and regardless of any declaration of academic bankruptcy. Courses taken pass/fail or with a grade lower than C- may not be counted toward the major or minor.

Courses in Religious Studies

REL 100. Religions of Asia. 3 cr. Survey religious traditions of Asia with special attention to Hinduism and Buddhism. GDR: HU3, NW; GEP; GA, HU

REL 101. Judaism, Christianity, Islam. 3 cr. Survey religious traditions of Judaism, Christianity and Islam including origins, issues of inter-religious conflict, other comparative themes. GDR: HU3; GEP: HU

REL 107. Religious Autobiographies. 3 cr. Autobiographical accounts of religious persons to introduce stories representing a diverse and multicultural cross section of the world's religions, including Native American religions, Hinduism, Buddhism, Judaism, Latin American Catholicism, African-American Protestantism, and Islam. GDR: HU3, NW; GEP; GA

REL 199. Reading in the Discipline. 1 cr; pass/fail. Improve critical reading and thinking skills. Taken in conjunction with designated sections of religious studies courses.

REL 202. Introduction to the Study of Religion. 3 cr. Introduction to method and theory in the comparative study of religion. GDR: HU3; GEP: HU

REL 302. Religion and Cultural Conflict. 3 cr. Explores questions of the nature and function of religion in a context of situations of cultural conflict and change. May include colonialism and post-colonialism, millenarian movements, religion and violence, religion and politics, and global fundamentalism. GDR: HU3; GEP: HU

REL 303. Jewish Scriptures. 3 cr. Study of Jewish scriptures (known to Christians as the Old Testament) in context of historical and cultural background, and issues of interpretation. GDR: HU3; GEP: HU

REL 304. New Testament and Early Christianity. 3 cr. Study selected New Testament and extra-biblical texts to discern religious perceptions shaping various early Christian movements. GDR: HU3; GEP: HU

REL 305. Prophets and Prophecy. 3 cr. A comparative study of ancient and modern prophecy in a variety of cultures, including Israelite, American Indian, African, and East Indian.

REL 311. Religion in America. 3 cr. Examine beliefs, practices, and interactions of diverse religious traditions represented in the United States (e.g. Native American, Hispanic, Protestant, African, American, Catholic, Jewish, Asian, Muslim). GDR: HU3, MNS; GEP: HU, USD

REL 317. New Religious Movements. 3 cr. A study of new religious movements, primarily in America, applying the methodologies of history, sociology, and religious studies. Topics may include cult formation, church and state questions, religious violence, gender, the anti-cult movement, and the role of popular media in shaping public perceptions.

REL 318. Religion and Popular Culture. 3 cr. Explore the fluid relationship between religion and popular culture with emphasis on the American context. Topics will include how popular culture constructs religion, how religious groups appropriate aspects of popular culture, how popular culture reflects aspects of the religion, and how religious bodies interpret and engage with popular culture.

REL 321. Studies in Religion. 3 cr. Topics in the study of religion in human life and culture. Subtitle will designate area. May repeat for credit with different subtitles. GDR: HU3; GEP: HU

REL 330. Women and Religion. 3 cr. Explore intersections of religion and sexism, including historical development of attitudes toward women and human sexuality in Western religious traditions. GDR: HU3; GEP: HU

REL 333. Women and Goddesses in India. 3 cr. Study of women's roles, notions of female power, and goddesses in Hindu tradition. GDR: HU3, NW; GEP; GA, HU

REL 340. Buddhism. 3 cr. Study of Buddhist religious traditions in their historical and cultural contexts. Relevance of Buddhism for addressing problems in the modern world such as war, environmental degradation, and social injustice. GDR: HU3, NW; GEP; GA, HU

REL 341. Religions of India. 3 cr. Study Hindu deities, practices, and philosophies including comparison of Indian and U.S. Hinduism, and Hinduism's influences on Indian Christianity. GDR: HU3, NW; GEP; GA, HU

REL 342. Islam. 3 cr. Study of Islam in variety of historical, cultural, political contexts. Overview of Islamic beliefs and practices including issues of women, politics and war, and mysticism in Islam. GDR: HU3; GEP: HU

REL 343. Judaism. 3 cr. Study of Judaism in history and its contemporary global context. Issues to consider may include traditions of textual interpretation, anti-Semitism, Zionism, immigration and assimilation in America, and the diversities of modern Judaism.

REL 344. Christianity. 3 cr. Study of Christian religious traditions in their historical and cultural contexts. Issues to consider may include the development and canonization of scripture, the relationship between the church and the state, and the modern global diversity of traditions.

REL 390. Service Learning. 1-3 cr. Volunteer in a community service organization for an agreed upon number of hours to vary according to credit earned, while, in consultation with a specific religious studies faculty member, you pursue a course of reading and writing specifically designed to complement your volunteer activity and help you pursue "the cross-cultural examination of humanity's diverse religious traditions" that characterize religious studies courses. Prereq: Cons Religious Studies faculty member. GEP: XL

REL 392. Religious Studies Internship. 1 cr; pass/fail. Intern provides small group writing and reading assistance in selected religious studies courses. Prereq: Cons instr.

REL 399. Independent Study. 1-3 cr. Individual work in religious studies on special problem, theme, thinker, or period may be arranged with instructor and cons chair. Credit based on scope of project.

REL 450. Senior Seminar. 3 cr. Major issues in academic study of religion and culture. Subtitle will designate topic. May repeat under different subtitles. Prereq: Cons instr.

Religious Studies Latent Courses: Not offered recently. See full course description in indicated (xx-xx) catalog.

105	Myths of Creation, 3 cr, (09-11)
300	The Development of Christian Thought, 3 cr, (83-85)
301	Contemporary Religious Thought, 3 cr, (09-11)
315	Religion in Literature, 3 cr, (95-97)
316	Native American Religions, 3 cr, (09-11)
325	Oppression and Liberation in Religion, 3 cr, (09-11)

Research

Courses in Research

RSCH 798. Graduate Research. 0 cr. Continuation of graduate research. Prereq: Approval of grad adviser and grad program coordinator.

RESOURCE MANAGEMENT

See [Natural Resources – Human Dimensions of Natural Resource Management](#).

R.O.T.C. (Reserve Officers Training Corps)

See [Military Science](#).

RUSSIAN

See [World Languages and Literatures](#).

SECONDARY EDUCATION TEACHER CERTIFICATION

See [Education](#).

SEMESTER ABROAD

See [International Programs](#) in the *More Academic Information* section of this catalog.

Small City Analysis (College of Letters and Science)

Edward J. Miller and Robert P. Wolensky, Coordinators
Room 451 and Room 332, Collins Classroom Center
Phone 715-346-3130, 346-2708

Email: emiller@uwsp.edu OR rwolensk@uwsp.edu
Web: www.uwsp.edu/

cols-ap/smallCity/Pages/default.aspx

Small City Analysis Minor

Consists of a minimum of 22 credits:

- Core courses**, 12 credits:
 - Required: 6-12 credits from ECON 374; GEOG 373; GEOG 388 or NRES 388 OR GEOG 389 or NRES 389; POLI 341; SOC 300, 356.
 - Electives: 0-6 credits from FOR 444; GEOG 370, 372, 378, 496; NRES 474, 495; POLI 242; SOC 357, 360.
- Analytic skills**, 6 credits:
 - Research methods: 3-4 credits from GEOG 276, 279, 476, 477; POLI 203, 497; SOC 351, 352; PSYC 300; MATH 355.
 - Policy analysis/management: 3 credits from BUS 380; POLI 250, 397.
- Internship or independent research on small cities: 3 credits from POLI 455, 499; SOC 497 or 498; GEOG 395, 399, 480 or 491, or NRES 499.
- Seminar or colloquium on small cities: one credit approved by one of the coordinators.

SOCIAL JUSTICE

See [Peace Studies](#).

Social Science

(College of Letters and Science)

Lee L. Willis, Coordinator

Room 477, Collins Classroom Center

Phone: 715-346-2334

Email: history@uwsp.edu OR lwillis@uwsp.edu

The social science major is available with teacher certification. If you are working toward teacher certification, select alternative A or B listed below in order to meet Wisconsin certification requirements for high school social studies teachers. Also see information about the Professional Education program and the Secondary Education curriculum for teacher certification in the [Education](#) section of this catalog.

Broad-Field Social Science Major for Teacher Certification (Secondary/Middle) (Bachelor of Science)

Consists of a minimum of 54 social science credits from the following subjects: anthropology, economics, geography (human), history, political science, psychology and sociology. Select alternative A or B.

Alternative A:

- A certifiable major (minimum of 34 credits) in one of the subject areas listed above, and,
- A minimum of 20 credits distributed over at least two of the other social science subjects.
- At least 12 credits must be in history and/or political science.
- Choose 3-4 credits in one of the following courses on quantitative methods in the social sciences: MATH 109, 355, 367; PSYC 300; or SOC 351.

5. Complete POLI 101 and 242.
6. HIST 300 to satisfy the Communication in the Major requirement.
7. HIED 398 or 498 to satisfy the Communication in the Major and Capstone Experience requirement.

Alternative B:

1. A certifiable minor (minimum of 22 credits) in one of the social science subjects listed above and
2. A minimum of 32 credits distributed over at least three of the other social science subjects.
3. At least 12 credits must be in history and/or political science.
4. Choose 3-4 credits in one of the following courses on quantitative methods in the social sciences: MATH 109, 355, 367; PSYC 300; or SOC 351.
5. Complete POLI 101 and 242.
6. HIST 300 to satisfy the Communication in the Major requirement.
7. HIED 398 or 498 to satisfy the Communication in the Major and Capstone Experience requirements.

Broad-Field Social Science Major for Teacher Certification (Secondary/Middle) (Bachelor of Arts)

Consists of a minimum of 54 social science credits from the following subjects: anthropology, economics, geography (human), history, political science, psychology and sociology. Select alternative A or B.

Alternative A:

1. A certifiable major (minimum of 34 credits) in one of the subject areas listed above and
2. A minimum of 20 credits distributed over at least two of the other social science subjects.
3. At least 12 credits must be in history and/or political science.
4. Complete a two-semester sequence of university entry-level world language courses (101, 102) or equivalent (8 credits). The requirement may be fulfilled through equivalent coursework or other language acquisition as demonstrated through a test-out policy (including Native American languages and American Sign Language). If your native language is not English, and you can document formal high school or university study of your native language, then you may use ENGL 101 and 202, or ENGL 150 as a means of fulfilling the foreign language requirement.
5. Complete POLI 101 and 242.
6. HIST 300 to satisfy the Communication in the Major requirement.
7. HIED 398 or 498 to satisfy the Communication in the Major and Capstone Experience requirements.

Alternative B:

1. A certifiable minor (minimum of 22 credits) in one of the social science subjects listed above and
2. A minimum of 32 credits distributed over at least three of the other social science subjects.

3. At least 12 credits must be in history and/or political science.
4. Complete a two-semester sequence of university entry-level world language courses (101, 102 or equivalent (8 credits). The requirement may be fulfilled through equivalent coursework or other language acquisition as demonstrated through a test-out policy (including Native American languages and American Sign Language). If your native language is not English, and you can document formal high school or university study of your native language, then you may use ENGL 101 and 202, or ENGL 150 as a means of fulfilling the foreign language requirement.
5. Complete POLI 101 and 242.
6. HIST 300 to satisfy the Communication in the Major requirement.
7. HIED 398 or 498 to satisfy the Communication in the Major and Capstone Experience requirements.
8. This "broad-field" social science major will permit teaching in the major field, the minor field, and the fusion courses. (The fusion courses are those drawn from several of the social science disciplines and, therefore, require a composite preparation in social science. Fusion courses include civics, social problems, American problems, area studies, vital issues, etc.) In addition, broad-field social science majors may be certified to teach in any of the social science disciplines in which they have completed 9 credits.
9. For certification in the "broad-field" social sciences, Wisconsin statutes require instruction in conservation and cooperatives. These requirements (normally ECON 110 or 272, and NRES 370) are described in the **Education** section of this catalog.

Social Science Minor

Without teacher certification consists of 24 credits, 6 credits in each of the following social studies areas:

1. **Economics.** Required: ECON 110; Elective: ECON 111 or any 3 credit course numbered 300 or above approved by the social science adviser.
2. **Geography.** Required: GEOG 120; Elective: any 3 credit course in human geography numbered 300 or above approved by the social science adviser.
3. **Political science.** Required: POLI 101; Elective: any 3 credit course numbered 300 or above approved by the social science adviser.
4. **Sociology and anthropology.** Required: SOC 101; Elective: any 3 credit course numbered 300 or above approved by the social science adviser.

Broad-Field Social Science Minor

This minor is open only to elementary education majors and is for DPI certification to teach ages six through 12-13. It consists of at least 24 credits as follows:

1. History, 9 credits: HIST 176 or 288; 256 or 257; and 101 or 102.
2. POLI 160, 180, or 202.
3. GEOG 113 or 120.

4. SOC 101 or 102.
5. At least 6 credits from ANTH 101 or 110, ECON 110, 111, PSYC 290, 320.

Human Geography Courses

GEOG 113, 120, 211, 226.

The following geography courses numbered 300 or above shall be considered human geography courses in fulfillment of requirements within the various social science programs at UW-Stevens Point: social science major (without teacher certification), broad-field social science major for teacher certification, and social science minor.

GEOG 300/500, 301/501, 302/502, 325/525, 327/527, 328/528, 340/540, 344/544, 365/565, 366/566, 369/569, 370, 372, 373/573, 374/574, 378, 391/591, 395/595, 399/599, 496.

Academic Standards for Social Science Major

1. To graduate with a major in social science you must have a 2.0 cumulative GPA (**without** teacher certification) and a 3.00 cumulative GPA (**with** teacher certification) in all major required courses, including transfer courses, regardless of any declaration of academic bankruptcy.
2. No more than two courses for which you earned a D or D+ may be repeated for credit in the major. See the **More Academic Information** section of this catalog for the policy on repeating courses.
3. Courses in the social science major (without teacher certification) are open to all students who meet the prerequisites.
4. Enrollment caps may be enforced for admission into the Professional Education Program for certification in broad-field social science. See your adviser or the coordinator of the program for more information.

Sociology and Social Work

(College of Letters and Science)

Robert Enright, Chair of Sociology and Social Work
Room 488B, Collins Classroom Center

Phone: 715-346-3060 or 2665

Email: sociology@uwsp.edu

Web: www.uwsp.edu/sociology

Faculty: H Alden, S Bailey, D Barry, A Boelk, J. Bowers, M Chyunyu, D DeBoer, R Enright, A Smart, R Wolensky.

Abbreviations:

SOC – Sociology
SW - Social Work

SOCIAL WORK

(College of Letters and Science)

Robert Enright, Chair of Sociology and Social Work
Room 488B, Collins Classroom Center

Phone: 715-346-3060 or 2665

Email: sociology@uwsp.edu

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Faculty: H Alden, S Bailey, D Barry, D DeBoer, R Enright, R Wolensky.

Definition: Professional social workers assist individuals, groups, or committees to restore or enhance their capacity for social functioning, while creating societal conditions favorable to their goals (National Association of Social Workers, 2010).

Admission and Retention

Requirements for Social Work Major (Bachelor of Science and Bachelor of Arts)

If you declare a social work major prior to being formally accepted into the program, you will be titled intended majors until successful application and acceptance into the social work major.

If you're seeking admission you must:

- Have completed at least 45 credits of undergraduate coursework at the time of application (application for admission typically takes place in the second semester of the sophomore year).
- Have earned a minimum grade point average of 2.5 from all accredited institutions attended.
- Have earned a minimum grade point average of 2.5 in the required pre-admission coursework (SOC 101, SW/SOC 261).
- Have earned a minimum grade of C- in SW/SOC 261.
- Be in good academic standing in the semester in which you apply.

NOTE: Conviction of past criminal activity or conduct will not be used as criterion for denial of admission in to the Social Work Major. However, past or future criminal activity or conduct maybe limit or inhibit you from securing a Social Work Internship which is required for completion of the social work degree. In addition, you may be ineligible to receive state certification or licensure to practice social work. You should discuss any question with your adviser.

To remain in the social work major you must:

- Maintain 2.5 GPA in Social Work Major and supporting coursework.
- Maintain 2.5 cumulative GPA in all UW-Stevens Point and transfer credits attempted.
- Maintain a "C-" or better in each required social work course.

- Comply with the social work student code of conduct and the NASW Code of Ethics as outlined in the student manual.

NOTE: If you violate any of the above retention standards, you will be allowed a two-semester probationary period in which you can attempt to bring yourself into compliance with the standards while remaining in the major. If, following your probationary period, you are still not in compliance with the retention standards, you will be dropped from the Social Work Major.

Social Work Major (Bachelor of Science)

Consists of 55 credits in core social work, required supporting courses, and electives. In addition, you must satisfy the General Education Program requirements and earn at least 120 credits for graduation; at least 40 credits must be at the 300 level or above. **Note:** *Course credit will not be granted for life experience or previous work experience.*

1. **Required collateral courses:** SOC 101; ECON 110; POLI 101; PSYC 110; COMM 280.
2. **Core:** 30 credits: SW/SOC 261, SW/SOC 262, SW 316, SW 359, SW 361, SW 362, SW/SOC 363, SW/SOC 364, SW 365, SW/SOC 376.
3. **Supporting courses,** 10 credits: SOC 350, 351, 352.
4. **Capstone Experience:** SW 494 (8 credits) and SW 495 (1 credit).
5. **Communication in the Major:** 6 credits: SW/SOC 201 or 301. Repeat with different subtitles for six credits total.

Social Work Major (Bachelor of Arts)

Consists of 55-63 credits in core social work, required supporting courses, and electives. In addition, you must fulfill the General Education Program requirements for the Bachelor of Arts and the UW-Stevens Point requirement of 120 credits for graduation. Note: Course credit will not be granted for life experience or previous work experience.

1. **Required collateral courses:** SOC 101; ECON 110; POLI 101; PSYC 110; COMM 280.
2. **Core:** 30 credits: SW/SOC 261, SW/SOC 262, SW 316, SW 359, SW 361, SW 362, SW/SOC 363, SW/SOC 364, SW 365, SW/SOC 376.
3. **Supporting courses,** 10 credits: SOC 350, 351, 352.
4. **Capstone Experience:** SW 494 (8 credits) and SW 495 (1 credit).
5. **Communication in the Major:** 6 credits: SW/SOC 201 or 301. Repeat with different subtitles for six credits total.
6. Complete a two-semester sequence of university entry-level world language courses (101, 102) or equivalent (8 credits). The requirement may be fulfilled through equivalent coursework or other language acquisition as demonstrated through a test-out policy (including Native American languages and American Sign Language). If your native

language is not English, and you can document formal high school or university study of your native language, then you may use ENGL 101 and 202, or ENGL 150 as a means of fulfilling the foreign language requirement.

SOCIOLOGY

(College of Letters and Science)

Robert Enright, Chair of Sociology and Social Work
Room 488B, Collins Classroom Center
Phone: 715-346-3060 or 2665
Email: sociology@uwsp.edu
Web: www.uwsp.edu/sociology

Faculty: A Boelk, A Smart.

Definition: Sociology is the systematic study of human societies and social groups. Sociologists study the workings of social organizations, institutions, and cultures, as well as their influence on the social behavior of individuals.

Sociology Major (Bachelor of Science)

Consists of a minimum of 34 sociology credits including:

1. Required: SOC 101, 350, 351, 352.
2. Earn at least 18 credits in courses 300 and above.
3. Take at least six credits of Communication in the Major courses: SW/SOC 201 or 301. May repeat with different subtitles.
4. Complete the Capstone Experience (SOC 352).
5. Complete remaining credits from any electives.
6. For teacher certification in sociology, the requirements are the same as above. Also see the **Education** section earlier in this catalog for additional requirements for teacher certification and admission to the Professional Education Program.

Sociology Major (Bachelor of Arts)

Consists of a minimum of 34 sociology credits including:

1. Required: SOC 101, 350, 351, 352.
2. Earn at least 18 credits in courses 300 and above.
3. Take at least six credits of Communication in the Major courses: SW/SOC 201 or 301. May repeat with different subtitles.
4. Complete the Capstone Experience (SOC 352).
5. Complete remaining credits from any electives.
6. Complete a two-semester sequence of university entry-level world language courses (101, 102 or equivalent (8 credits). The requirement may be fulfilled through equivalent coursework or other language acquisition as demonstrated through a test-out policy (including Native American languages and American Sign Language). If your native language is not English, and you can document formal high school or university study of your native language, then you may use ENGL 101 and 202, or ENGL 150 as a means of fulfilling the foreign language requirement.
7. For teacher certification in sociology, the requirements are the same as above. Also see the **Education** section earlier in this catalog for additional requirements for teacher certification and admission to the Professional Education Program.

Sociology Emphasis Areas

In addition to a major in sociology, you may select an emphasis consisting of 9 or more credits in one area below:

1. **Deviance/social control:** 230, 306, 332, 333, 368.
2. **Family/socialization:** 224, 225, 240, 322, 343.
3. **Community/environment:** 300, 355, 356, 357, 360.

Adult Life and Aging Concentration in Sociology Major

Consists of a minimum of 15 credits.

1. At least 9 credits from SOC 366, 467, 492-493 (in approp area), 494-495 (in approp area), 497-499 (in approp area).
2. Cognate courses: at least 6 credits from ECON 328, Family/Consumer Sciences 390, PSYC 465. (These courses do not count toward sociology major.)

Applied Sociology Concentration in Sociology Major

Consists of 16 credits.

1. Required: SOC 327, 340, 492, 493.
2. Electives, 6 credits from at least one area:
 - a. Gerontology: SOC 366, 467; PSYC 465 (does not count toward sociology major).
 - b. Deviance/social control: SOC 230, 306, 332, 368.
 - c. Family: SOC 224, 225, 240, 332, 343.
 - d. Environment/population/community: SOC 300, 355, 356, 357, 360.

Gerontology Minor

Consists of 24 credits.

1. Required: SOC 366 and 467; PSYC 465.
2. Electives: Select 15 credits from the following. No more than 6 credits may be from any one discipline: COMD 352; ECON 328; FCS 390; FN 458; HP/W 305; PEX 319; POLI 306; PSYC 385; SOC 328, 360, 492-493 (in approp area), 494-495 (in approp area), 497-499 (in approp area).

Social Science in Health Minor

Consists of 24 credits.

1. Required core, 12 credits from: ANTH 380; PHIL 302; POLI 306; PSYC 385; SOC 368.
2. Electives, 9 credits from at least two areas below, but 6 credits max from any one area.
 - a. BIOL 385.
 - b. CLS 105, 295, 385.
 - c. ECON 328.
 - d. HLED 345.
 - e. FN 253, 351, 353.
 - f. PSYC 485.
 - g. SOC 327, 328, 366.
3. Administration/analytical, 3 credits from: POLI 250, 397; SOC 352.
4. Recommended, one course from MATH 355; PSYC 300; SOC 351.

Sociology Minor

Consists of 18 credits.

1. Required: SOC 101 and 350.

2. Electives: 12 credits in sociology courses.

Sociology Minor for Teacher Certification

Consists of 25 credits.

1. Required: SOC 101, 350, 351, 352.
2. Electives: Additional 12 sociology credits numbered 300 or above.

Academic Standards for Sociology

1. To be retained, approved for graduation, or accepted as a major or minor at the beginning of your junior year, you must have a minimum grade point average of 2.00 (2.75 to student teach) in the major, including transfer courses, regardless of any declaration of academic bankruptcy. You may repeat a course in the major if you follow the course repeat policy found in the [More Academic Information](#) section of this catalog. The chair may allow exceptions on a conditional basis.
2. You may petition the chair to accept coursework done at other institutions, but no more than one-half the credits applied to your major may be earned outside this university. The chair may allow modifications.
3. You may take courses out of normal class level sequence only if you have adviser and instructor approval.
4. If you are preparing for specialized graduate studies, a professional school, or a specific career, you should request assignment to an adviser knowledgeable in that area to help you select your study program.

Test-Out and Credit-by-Exam Policy for Sociology

You will receive course credit for SOC 101 if you take the Introduction to Sociology CLEP exam and receive a score equal to or greater than the 50th percentile. You must arrange to take the CLEP exam with Testing Services in Delzell Hall.

Test-out (not course credit) is available for SOC 102, 224, 225, 230, 240, 270, 300, 310, 316, 327, 343, 355, 360, 366, 368. After you confer with the department chair about a course, the faculty member who teaches the course will prepare a comprehensive exam and define the passing score for you before you take the test. You may take a test-out exam only once. You are not eligible for test-out if you are currently enrolled in the course.

Courses in Social Work

SW/SOC 201. Social Investigations I. 3 cr. Written and verbal methods of investigation and communication in Sociology and Social Work. Subtitle will designate area. May repeat for credit with different subtitles. Prereq: SOC 101, 102, or cons instr.

SW/SOC 261. Introduction to Social Work and the Social Services Field. 3 cr. Development of social welfare; contemporary public and private programs and appropriate settings; philosophy and principles of social work; orientation to the National Association of Social Work Code of Ethics. May not earn credit in both SW 261 and SOC 261.

SW/SOC 262. Social Welfare Policies and Programs. 3 cr. Development and philosophy of social welfare as an institutional system; critical analysis of programs, policies and issues; their interrelationship with other aspects of the social system. May not earn credit in both SW 262 and SOC 262.

SW/SOC 301. Social Investigations II. 3 cr. Written and verbal methods of investigation and communication in Sociology and Social Work. Subtitle will designate area. May repeat for credit with different subtitles. Prereq: SOC 101, 102, or cons instr.

SW 316. Child Welfare Practice. 3 cr. Focus on fundamental skills and knowledge of child welfare practice that includes basic interviewing skills; assessment; case planning; protective services; extended family and foster family care; family centered services; their effects on Native American and other minority cultures; and child welfare policies such as ICWA, ASFA, WI Children's code. Prereq: Admission into Social Work Major or cons instr.

GDR: MNS; GEP: USD

SW 359. Social Work Methods: Casework. 3 cr. Principles of generic social work in Microsystems; concepts and casework practice with individuals, interviewing, relationships, social diagnosis, and treatment. Prereq: Admission into Social Work Major or cons instr.

SW 361. Social Work Methods: Groups and Families. 3 cr. Principles of generalist social work practice with groups and families; principles of model development, assessment, and treatment. Prereq: Admission into Social Work Major or cons instr.

SW 362. Social Work Methods: Community Organization and Social Service Administration. 3 cr. Principles of generalist social work practice in macrosystems including planning, action, and advocacy; social service administrative concerns including relationships between organizations, and issues within the organization including supervision, consultation, research, and continuing education. Prereq: Admission to Social Work Major or cons. instr.

SW/SOC 363. Social Services in Rural Communities. 3 cr. Evaluation of nonmetropolitan, regional social services and delivery systems; characteristics of rural populations and community analysis; concept/function of generalist social worker in nonmetropolitan areas. May not earn credit in both SW 363 and SOC 363. Prereq: SOC 101 or SW/SOC 261, or cons instr.

SW/SOC 364. Social Services in Native American Communities. 3 cr. Introduction to values, beliefs, customs, and histories of Native Americans emphasizing Wisconsin tribal nations and their social service needs. May not earn credit in both SW 364 and SOC 364. Prereq: SOC 101 or SW/SOC 261, or cons. instr.

SW 365. Social Work with Native American and Other Culturally Diverse Families. 3 cr. Awareness and understanding of values and lifestyles of culturally diverse families; Apply culturally competent principles of social work practice to Native American, African American, Latino/Hispanic, and Asian families. Prereq: Admission to Social Work Major or cons. instr.

SW/SOC 376. Human Behavior and Social Environment. 3 cr. Theories of human behavior in social context as applied to the practice of social work. May not earn credit in both SW 376 and SOC 376. Prereq: SOC 101 or SW/SOC 261, or cons. instr.

SW/SOC 378. Problems in Family Interaction. 3 cr. Theories and modalities used in treatment of contemporary family problems. Examine families in social, economic, environmental, and cultural contexts. Prereq: SOC 101 or SW/SOC 261, or cons instr.

SW 395. Special Topics in Social Work. 1-3 cr. Subtitle will designate area. May repeat for credit with different subtitles. Prereq: 103 or cons. instr.

SW 494. Social Work Practicum. 1-8 cr. Observe and practice social work under guidance of cooperating field placement supervisors in an approved social service agency; emphasis on guided social work. Prereq: Accepted Field Placement Application; con reg in 495. GEP: XL

SW 495. Social Work Practicum Seminar. 1-2 cr. Weekly meetings to discuss application of social work practice theory to the agency setting, and increase knowledge and identification with social work profession. Prereq: Accepted Field Placement Application; con reg in 494. GEP: XL

SW 498. Special Work in Social Work and Social Administration. 1-3 cr. Upperclass social work majors may arrange for independent study with cons chair. Credit based on scope of project. May apply 3 cr max to major. Prereq: SOC/SW 261 or cons. instr.; cons. chair.

Courses in Sociology

SOC 100. Forum in Sociology or Social Work. 1 cr; pass/fail.

Lecture and discussion of current social issues or topics in sociology or social work. Subtitle will designate area. May repeat with different subtitles for 3 cr max. 2 hrs per wk or equiv.

SOC 101. Introduction to Sociology. 3 cr. Sociology as special field of social science, social relations, and social systems; the organization of societies and other human groupings; fundamentals of sociological investigation, dealing with the underlying premises, concepts, logic, and methods of sociology. GDR: MNS, SS1; GEP: SS, USD

SOC 102. Social Problems. 3 cr. Theories explaining social and personal disorganization and deviation; selected contemporary problems analyzed and related to their social contexts. GDR: MNS, SS1; GEP: SS, USD

SOC 201. Social Investigations I. 3 cr. Written and verbal methods of investigation and communication in Sociology and Social Work. Subtitle will designate area. May repeat for credit with different subtitles. Prereq: 101, 102, or cons instr.

SOC 224. Sociology of Childhood. 3 cr. Socialization processes in the early years; impact of social and cultural forces on child-rearing practices and outcomes; child welfare. Prereq: 101 or 102. GDR: SS1; GEP: SS

SOC 225. Sociology of Adolescence. 3 cr. Socialization processes in the adolescent years; impact of social and cultural forces on adolescent issues and problems. Prereq: 101 or 102. GDR: SS1; GEP: SS

SOC 230. Criminology. 3 cr. Analysis of crime as an institution, with reference to behavior of those who define, engage in, or become the victims of criminal behavior. Prereq: 101 or 102. GDR: SS1; GEP: SS

SOC 240. Marriage and the Family. 3 cr. Institutional variations of marriage/family; contributions of behavioral sciences to understanding processes of courtship and marriage interaction. Prereq: 101 or 102. GDR: SS1; GEP: SS

SOC/SW 261. Introduction to Social Work and the Social Services Field. 3 cr. Development of social welfare; contemporary public and private programs and appropriate settings; philosophy and principles of social work; orientation to the National Association of Social Work Code of Ethics. May not earn credit in both SW 261 and SOC 261.

SOC 262. Social Welfare Policies and Programs. 3 cr. Development and philosophy of social welfare as an institutional system; critical analysis of programs, policies and issues; their interrelationship with other aspects of the social system. Prereq: 261 or cons instr.

SOC 270. Minority Groups. 3 cr. Role of minorities in society, their influence, impact, and relationship to the larger society. Prereq: 101 or 102 or cons instr. GDR: MNS, SS1; GEP: SS, USD

SOC 300. The American Community. 2 or 3 cr. Community organization and social processes that influence community behavior and change. Prereq: 101 or 102 or cons instr. GDR: SS1; GEP: SS

SOC 301. Social Investigations II. 3 cr. Written and verbal methods of investigation and communication in Sociology and Social Work. Subtitle will designate area. May repeat for credit with different subtitles. Prereq: 101, 102, or cons instr.

SOC 306. Social Aspects of Substance Abuse. 3 cr. Social aspects of alcohol, cocaine, heroin, and other drugs. Emphasis on prevention, cause, treatment, and social policies. Prereq: 101 or cons instr.

SOC 308/508. Sociology of Medicine. 3 cr. Analysis of the social organization of medicine and health care delivery systems; social processes and conditions of disease and health, such as adaptations to illness, the sick role, and doctor-patient relationship. Prereq: 101 or 102 or cons instr. GDR: SS2; GEP: SS

SOC 310. Social Psychology. 3 cr. How social learning and habits relate to development of the social self in groups: interaction, perception, motivation, attitudes, values, communication, roles in interpersonal relations. Prereq: 101 or 102 or cons instr.

GDR: SS1; GEP: SS

SOC 316. Child Welfare. 3 cr. Social, cultural, historical, and legal aspects of child welfare. Examine principal child welfare services (supportive, supplementary, and substitutive), and their effects on Native American and other minority cultures. Prereq: 101 or cons instr.

SOC 320. Sociology of Gender. 3 cr. Examine the role of gender in everyday life, how gender influences social institutions such as family, government and mass media and the effect of gender inequalities both in American society and cross-culturally. Prereq: 101 or cons instr.

SOC 322. Culture and Personality. 3 cr. How literate and nonliterate cultures and subcultures affect personality development.

SOC 327. Social Inequality. 3 cr. Analyze patterns of inequality in the distribution of power, rewards, and opportunities between classes and other groups. Prereq: 101 or 102 or cons instr.

GDR: SS1; GEP: SS

SOC 328. Poverty, Welfare, Social Insurance. 2 or 3 cr. Study poverty in the U.S.; income maintenance programs including social security, unemployment insurance, workers' compensation, pension plans, and social assistance; health insurance. May not earn credit in both 328 and ECON 328. Prereq: 9 credits in sociology or ECON 110 or cons instr.

SOC 332. Juvenile Delinquency. 3 cr. Definition and sociological explanations of juvenile delinquency; individual and gang forms; control and treatment. Prereq: 101 or 102 or cons instr.

SOC 333. Corrections. 3 cr. Control and treatment of offenders. Prereq: 230 or 332.

SOC 340. Community Research. 3 cr. Methods and practice of applied research in community-based organizations. Prereq: 101.

SOC 343. Cultural Perspectives of Family. 3 cr. The family as social institution, its place in different culture/social strata, impact of industrialization and urbanization. Prereq: 101 or 102 or cons instr. GDR: NW; GEP: GA

SOC 350/550. Sociological Theory. 3 cr. History, content, construction, and application of sociological theories. Prereq: 101 or cons instr.

SOC 351/551. Social Statistics. 4 cr. Descriptive and inferential statistics; use statistical software to analyze sociological data. 3 hrs lec, 2 hrs lab per wk. Prereq: MATH 100 or equiv, SOC 101, 350 or cons instr.

SOC 352/552. Research Methods. 3 cr. Examine and apply social research processes from problem formulation to data analysis; includes computer applications. Prereq: 350 and 351 or cons instr.

SOC 355. Environmental Sociology. 3 cr. Sociological perspectives on relationships between society and the natural environment emphasizing causes and consequences of natural resource depletion and environmental degradation. Prereq: 101, or cons instr or jr st. GDR: SS2; EL; GEP: ER, SS

SOC 356. Urban Sociology. 3 cr. Comparative and historical approach to cities; urban spatial structure, temporal patterns and population characteristics; ecological factors; social structure and psychological aspects of urban metropolis; implications for policy and planning. Prereq: 101 or 102 or cons instr.

SOC 357. Sociology of Planning. 3 cr. Social context of policymaking and planning process; theoretical approaches to planning; planning and social change; specific topics in planning (city and regional, social service, environment). Prereq: 101 or 102 or cons instr.

SOC 360. Population Problems. 3 cr. Demography, population theory, trends, and analysis; United States and world population. Prereq: 101 or 102 or ECON 110. GDR: SS1; EL; GEP: ER, SS

SOC 361. Social Work Methods: Casework and Group Work. 3 cr. Principles of generic social work in microsystems; concepts and case-work practice with individuals and families, interviewing, relationships, social diagnosis, and treatment; group work practice, principles of model development, diagnosis, and treatment. Prereq: 261.

SOC 362. Social Work Methods: Community Organization and Social Service Administration. 3 cr. Principles of generic social work in macrosystems including planning, action, and advocacy; social service administrative concerns including relationships between organizations, and issues within the organization including supervision, consultation, research, and continuing education. Prereq: 261.

SOC/SW 363. Social Services in Rural Communities. 3 cr. Evaluation of nonmetropolitan, regional social services and delivery systems; characteristics of rural populations and community analysis; concept/function of generalist social worker in nonmetropolitan areas. May not earn credit in both SW 363 and SOC 363. Prereq: SOC 101 or SW/SOC 261, or cons instr.

SOC/SW 364. Social Services in Native American Communities. 3 cr. Introduction to values, beliefs, customs, and histories of Native Americans emphasizing Wisconsin tribal nations and their social service needs. May not earn credit in both SW 364 and SOC 364. Prereq: SOC 101 or SW/SOC 261, or cons. instr.

SOC 366. Sociology of Aging. 3 cr. Sociological theories/methods used to study aging; processes affecting social status of older people and social attitudes toward them; impact of increasing numbers of elderly on institutions of American society. Prereq: 101 or 102 or cons instr. GDR: SS2; GEP: SS

SOC 368. Sociology of Mental Health. 3 cr. Sociological perspectives and interpretations in the nature and causes of mental disorders. Theories of controlling mental illness, the development of mental health policies in the United States and strategies of preventive and community psychiatry. Prereq: 101 or 102 or cons instr. GDR: SS2; GEP: SS

SOC 370. Sociology of Globalization. 3 cr. Theories, problems, and processes of social and cultural change in various cultures resulting from internal and external social forces. GDR: NW, SS1; GEP: SS, USD

SOC/SW 376. Human Behavior and Social Environment. 3 cr. Theories of human behavior in social context as applied to the practice of social work. May not earn credit in both SW 376 and SOC 376. Prereq: SOC 101 or SW/SOC 261, or cons. instr.

SOC 378. Problems in Family Interaction. 3 cr. Theories and modalities used in treatment of contemporary family problems. Examine families in social, economic, environmental, and cultural contexts. Prereq: SOC 101 or SW/SOC 261, or cons instr.

SOC 390/590. Basic Statistical Methods for Social Sciences. 3 cr. Descriptive and inferential statistics; use statistical software to analyze sociological data. Does not apply to sociology major. Prereq: 101 and MATH 100 or equiv or cons instr.

SOC 395/595. Special Topics in Sociology. 1-3 cr. Subtitle will designate area. May repeat for credit with different subtitles. Prereq: 3 cr in sociology or cons instr.

SOC 467/667. Social Gerontology. 3 cr. Critical issues in social gerontology; emphasis on industrialized societies; analyze techniques for implementing programs/policies relating to older population. Prereq: 9 cr in social sciences or cons instr.

SOC 492. Applied Sociology Practicum. 3-6 cr. Observe and apply sociology practice under guidance of cooperating field placement supervisors in an approved social service agency; emphasis on guided applied sociology. Sociology majors may apply for placement with cons field coordinator and chair. Prereq: Sr st. GEP: XL

SOC 493. Applied Sociology Practicum Seminar. 1 cr. Weekly meetings to discuss application of applied sociology practice theory to the agency setting. May repeat for 4 cr max. Prereq: Con reg in 492. GEP: XL

SOC 494. Social Work Practicum. 3-6 cr. Observe and practice social work under guidance of cooperating field placement supervisors in an approved social service agency; emphasis on guided social work. Prereq: 361 and con reg in 495.

SOC 495. Social Work Practicum Seminar. 1 cr. Weekly meetings to discuss application of social work practice theory to the agency setting, and increase knowledge and identification with social work profession. May repeat for 4 cr. max. Prereq: Con reg in 494.

SOC 497-499. Special Work. Each 1-3 cr. Upperclass sociology majors or minors may arrange for independent study with cons chair. Credit based on scope of project. May apply 6 cr max to major.

- 497. Sociological Analysis and Research.
- 498. Social Work and Social Administration.
- 499. Sociology of Knowledge.

SOC 760. Seminar in Adult Development and Socialization. 2 or 3 cr. Advanced study of adult development and socialization topics. For development and administration of midlife and late maturity programs. Prereq: 9 cr in social sciences or cons instr.

SOC 796. Independent Study. 1-3 cr. Supplements preparation in area of specialization. Prereq: 9 cr in social sciences and cons chair.

SOC 799. Thesis. 2-6 cr.

Sociology Latent Courses: Not offered recently. See full course description in indicated (xx-xx) catalog.

- 265 Social Problems of Aging and Old Age, 3 cr, (99-01)
- 295 Special Topics in Sociology, 1-3 cr, (99-01)
- 302 Political Sociology, 3 cr, (99-01)
- 305 Minority/Majority Relations, 1 cr, (99-01)
- 311 Collective Behavior, 2-3 cr, (99-01)
- 312 Propaganda and Public Opinion, 3 cr, (99-01)
- 315 Group Dynamics, 3 cr, (99-01)
- 358 Regional Sociology, 2-3 cr, (99-01)
- 359 Bureaucracy, 3 cr, (99-01)
- 367 Sociology of Middle Age, 3 cr, (99-01)
- 373 Technology and Contemp Social Probs, 3 cr, (99-01)
- 460/660 Sociology of Work, Leisure, and Retirement, 3 cr, (99-01)
- 490/690 Seminar: Fields of Sociology, 2-3 cr, (99-01)
- 500 The American Community, 2-3 cr, (01-03)
- 506 Social Aspects of Substance Abuse, 3 cr, (01-03)
- 527 Social Inequality, 3 cr, (01-03)
- 555 Environmental Sociology, 3 cr, (01-03)
- 561 Social Work Methods, 3 cr, (01-03)
- 568 Sociology of Mental Health, 3 cr, (01-03)

SOIL and WASTE RESOURCES

See [Natural Resources](#).

SPATIAL ANALYSIS AND GEOGRAPHIC INFORMATION SYSTEMS

See [Geography](#).

SPANISH

See [World Languages and Literatures](#).

SPECIAL EDUCATION

See [Education](#) and/or [Physical Education & Athletic Training](#).

SPEECH

See [Communication](#).

SPEECH-LANGUAGE PATHOLOGY AND AUDIOLOGY

See [Communicative Disorders](#).

STRENGTH AND CONDITIONING

See [Physical Education & Athletic Training](#).

STUDENT TEACHING

See [Education](#).

SUMMER CAMP

See [CNR Summer Field Experience – College of Natural Resources](#).

SUMMER FIELD EXPERIENCE

See [CNR Summer Field Experience – College of Natural Resources](#).

TEACHER CERTIFICATION

See [Education](#).

TEACHING ENGLISH AS A SECOND LANGUAGE

See [World Languages and Literatures](#).

TECHNICAL WRITING

See [English](#).

Theatre and Dance (College of Fine Arts and Communication)

Gary Olsen, Chair

Room 161, Noel Fine Arts Center

Phone: 715-346-4429

Email: theatre@uwsp.edu

Web: www.uwsp.edu/theatre-dance/Pages/default.aspx

Faculty: J Carpenter, S Childers, B Cirimo, W Dolan, M Estanich, J Hanlin, M Hanson, J Hill, J Karlen, G Kaye, A Kenny, P Luedtke, T Marchant, G Olsen, S Trovillion Smith, J Strassburg, S Wirtz-Olsen.

About the Department

Recognized as one of the premiere undergraduate theatre and dance departments in the upper Midwest, our department programs are accredited by the National Association of Schools of Theatre and the National Association of Schools of Dance.

Program Options

You may pursue the Bachelor of Arts (BA) degree in theatre arts with an option in drama or the Bachelor of Arts (BA) degree in dance.

If you seek more specialized education in theatre, you may pursue the Bachelor of Fine Arts (BFA) in theatre arts with options in drama or musical theatre. The BFA drama option has specializations in acting and design/technology.

Minors are available in dance and drama. There is no musical theatre minor.

Academic Standards for Theatre and Dance Majors

To be retained as a major or minor in any of the theatre arts options and to be approved for graduation, you must have a minimum grade point average of 2.75 in all courses taken within the major or minor, including transfer courses, regardless of any declaration of academic bankruptcy. You may repeat a course in the

major or minor if you follow the course repeat policy found in the [More Academic Information](#) section of this catalog.

Credit-by-Exam Policy for Theatre and Dance

The Theatre and Dance Department offers credit-by-exam for specific courses. If you wish to take the test-out exam, contact the department chair to arrange an exam with the appropriate faculty member. If credit is granted, results will be forwarded to the Office of the Registrar.

Transferring Credits

You may apply transfer credits to the major or minor with the approval of the department chair.

Annual Meetings

As a theatre and dance major or minor, you are expected to attend the departmental meeting held at the beginning of the fall semester.

Advising

Theatre and dance majors and minors are assigned a faculty adviser whose specialty matches their area of study. The dance faculty group advises all first and second year dance majors and minors. Thereafter, dancers are assigned an individual faculty adviser. BA, or BFA theatre majors are advised by the program coordinator or other faculty in their major. Drama minors are advised by the department chair.

Course Fees for Theatre and Dance

Fees are charged in certain courses to cover the cost of materials.

Scholarships for Theatre and Dance

The department has a number of scholarships available for entering students in dance, drama, acting, design/technology, and musical theatre. They are awarded based on theatre and dance admission auditions and interviews. Contact the department website or theatre and dance office for information about annual scholarship auditions. Scholarships are also available for continuing students.

Required Theatre and Dance Practicum

For Majors: Register for a practicum **each semester**. Practicum areas are scene shop, costume shop, deck run crew, costume run crew, house/public relations, design, directing/choreography/management, and performance. You may repeat an area after you have completed 6 different activities.

For Minors: Register for a different practicum **once each year**. Minors may not repeat an area.

For Majors and Minors:

1. Run crew must work appropriate rehearsals and the run of the show.
2. Other activities must complete 40 hrs of work.
3. Credit for practicum includes DNCE 226, 426, or THEA 226, 426, as appropriate.
4. If you do not register for a practicum or do not complete the activity satisfactorily, you are placed on probation and must make up the missed work in the next semester. If you must make up missed work, you must also register for a practicum for the current semester. If the work is not made up, you will be dropped from the major or minor.
5. Normally a practicum may only count in the current semester. If a production occurs unusually late in a semester, the practicum for that production may count for the following semester.

DANCE

Joan Karlen, Dance Program Coordinator
Room 140, Noel Fine Arts Center
Phone: 715-346-3982

Email: dance@uwsp.edu

Web: www.uwsp.edu/theatre-dance/Pages/Programs/dance.aspx

About the dance program

UW-Stevens Point's dance program aspires to create a dynamic culture in which you are inspired to achieve full physical expression, technical and stylistic range, and anatomical efficiency. We are dedicated to artistic experimentation and contemporary inquiry that is culturally relevant and historically grounded, preparing you to communicate, contribute and lead as global citizen artists.

The dance program is accredited by the National Association of Schools of Dance. Our curriculum features ballet, modern, jazz, tap, and theatre dance technique classes, dance composition, history, movement analysis and dance education courses. Dance majors complete 48 credits including the senior-level Interdisciplinary Seminar, a course that features camera dance and digital video editing, and integrates dance with other academic disciplines and art forms.

After completing the core requirements, you may take selected performance classes for either two or three credits. We encourage you to pursue an additional major or minor in another field. Dance minors complete 27 credits.

The dance faculty works with you to re-evaluate technique and explore new approaches to training at a high level. This re-evaluation includes training with optimal anatomical alignment that supports injury-free dancing.

We recommend that you be accepted to UW-Stevens Point prior to the dance audition dates in February and March. There are a few seats available each semester for non-dance majors and minors in introductory level classes. Upper-level dance courses are not available to

non-majors and minors. All dance majors and minors participate in required practicum assignments.

If you're interested in being accepted into the dance major, you are required to complete an on-campus audition and interview.

As part of the audition, you are required to perform a one-minute solo that highlights your performance skills. You or someone else may choreograph this solo. You should provide any sound accompaniment in CD or iPod format. Please prepare to stay within the one-minute time limit. The solo may be excerpted and the music cut from an existing longer work, or you may prepare a solo that is intended as a one-minute dance.

Letters of recommendation should address your ability to be successful in a university-level dance program. We recommend that one letter be written by an academic teacher who can comment on your ability to be successful in your academic coursework, and the other be written by a primary dance teacher who can comment on your ability and potential in dance.

If you wish to be accepted into the dance major program, you are required to have proficiency in two of these four areas: ballet, jazz, modern, and tap. For the minor program, proficiency in one of these areas is required.

As a student in our program, you will develop the ability to work as a part of an ensemble, the ability to work openly and honestly with other dancers, and the ability to be flexible in the artistic process with choreographers, directors, rehearsal assistants and peers. Therefore, we do begin all our new students in our 100-level technique courses.

NOTE: We recommend that dance majors complete two core classes per semester and we encourage participation in summer dance workshops to enhance performance training and expand professional contacts.

Admission, scholarship, retention requirements

1. Admission into the dance program does not guarantee admission into the university. To audition, you must first be eligible for admission to UW-Stevens Point.
2. To be eligible for admission to UW-Stevens Point's dance program as a major or minor, you must successfully complete an on-campus performance audition and interview during the spring semester. Detailed program and audition information, including audition dates and protocol, application forms and scholarship information is available on our website at www.uwsp.edu/theatre-dance/Pages/default.aspx.
3. The dance program awards three \$1000 scholarships to first year students pursuing a dance major. These scholarships are based on ability and potential in dance. A variety of performance scholarships are awarded annually to continuing students.
4. To continue as a major or minor, you must meet the dance program's retention criteria and successfully

complete mid-semester assessments in your technique courses each semester.

Performance and choreography

Each year the dance program provides multiple opportunities for you to perform and choreograph including *Afterimages*, a student directed fall concert; *Danstage*, a spring concert featuring new choreography by faculty and guests; *Players*, a theatre and dance student organization; repertory projects; composition course showings; camera dance projects; and all main stage and studio musical and dramatic shows.

Employment opportunities

The interdisciplinary focus of our dance program trains you to be innovative in creating and finding employment opportunities. Recent graduates perform on Broadway; with national and international dance companies; and in television, commercials and film. Others become dance videographers, form direct dance companies, open private studios, and develop dance and related arts programs for school districts.

Courses for general university students

DNCE 103, 105, 114, and 115 are introductory courses open to all university students. You may apply one credit of each of these approved performance courses toward the General Education Program Wellness requirement.

Dance courses for the community

Those outside the university who wish to enroll in selected dance courses must first contact the UW-Stevens Point Admissions Office to determine eligibility to enroll as a special student. Technical placement and permission of the dance faculty are also required.

Dance Major (Bachelor of Arts)

Consists of 48-56 credits.

1. **Core**, 22 credits:
 - a. DNCE 104, 106.
 - b. Three credits from DNCE 205, 206, 305, 306 (placement exam required for entrance).
 - c. Six credits of DNCE 214 and 314.
 - d. Seven credits of DNCE 115, 212, and 215.

NOTE: We recommend that if you are interested in continuing your dance technique studies, you should take two core classes per semester and participate in summer dance workshops.
2. **Theory**, 10 credits: DNCE 220, 328, 352, 420.
3. **Performance and choreography**, 9 credits: DNCE 301, 302 and one course from THEA 242, 243, 346, 349.
4. **Interdisciplinary seminar**: DNCE 496.
5. **Electives**: 4 credits from DNCE 203, 204, 303, 304.
6. **Practicum**: See description above.
7. **Communication in the Major**: 352, 420, 496.
8. **Capstone Experience**: 328, 496.
9. **Foreign Language**: Complete a two-semester sequence of university entry-level world language courses (101, 102). The requirement may be fulfilled

through equivalent coursework or other language acquisition as demonstrated through a test-out policy (including Native American languages and American Sign Language). If your native language is not English and you can document formal high school or university study of your native language, then you may use ENGL 101 and 202, or ENGL 150 as a means of fulfilling this foreign language requirement.

Dance Minor

Consists of 27 credits.

1. **Theoretical studies**, 6 credits: DNCE 220, 352.
2. **Performance and choreography**, 13 credits: DNCE 104, 106, 115, 212, and 301.
3. **Electives**: 8 credits from DNCE 203, 204, 205, 206, 212, 214, 215, 303, 304, 305, 306, 314, or 420.
4. **Practicum**: See description above.

DRAMA

Gary Olsen, Coordinator

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Web: www.uwsp.edu/theatre-dance/Pages/Programs/drama.aspx

Drama Option of Theatre Arts Major (Bachelor of Arts)

Choose this option if you wish to gain general knowledge in a variety of theatre courses: acting, design, directing, theatre history, and dramatic literature, but also wish to take selected specialized courses in one theatre area that interests you.

Admission Policy: To major in the BA drama option, you must be admitted to the university and the drama program. Admission to the drama program is by application, essay and interview. Interviews are held in the spring for fall acceptance and we recommend that you be officially admitted to UW-Stevens Point before your assigned interview date. If you are a high school student, you should apply to the department in the fall of your senior year. If you are a transfer student or continuing UW-Stevens Point student, you must also apply. Contact the Department of Theatre and Dance for more information.

Curricular Requirements (Drama) (Bachelor of Arts)

Consists of 44-52 credits.

1. **General courses:** THEA 146, 149 or 172, 160 or 170, 162, 375; one course from DNCE 103, 105, or 114.
2. **History:** THEA 351, 352, 452 (Satisfies the Communication in the Major requirement).
3. **Structured electives:** 9 credits from: THEA 241, 242, 243, 244, 245, 248, 327, 346, 490.
4. **Electives:** 9 credits approved by adviser. Up to 3 elective credits may be from THEA 226-426.
5. **Practicum:** See description above.
6. **Capstone Experience:** 452 or 497.

7. **Foreign Language**, 8 credits: Complete a two-semester sequence of university entry-level world language courses (101, 102). The requirement may be fulfilled through equivalent coursework or other language acquisition as demonstrated through a test-out policy (including Native American languages and American Sign Language). If your native language is not English and you can document formal high school or university study of your native language, then you may use ENGL 101 and 202, or ENGL 150 as a means of fulfilling this foreign language requirement.

Drama Option of Theatre Arts Major (Bachelor of Fine Arts)

Choose this option if you wish to pursue intensive training in either acting or design/technology in order to become a theatre professional in your chosen area of interest.

ACTING

Stephen Trovillion Smith, Coordinator

Email: ssmith@uwsp.edu

Web: www.uwsp.edu/theatre-dance/Pages/Programs/acting.aspx

Admission audition required: Admission to the BFA acting program is by audition only. Auditions are held in the spring for fall acceptance. We recommend that you be officially admitted to UW-Stevens Point before your assigned audition date. Apply early since the number of students accepted into the program is limited. If you are a transfer student and wish to enter the acting program, you should audition before transferring to UW-Stevens Point. Contact the Department of Theatre and Dance for more information.

Retention in the program: Every BFA acting major will meet with the area coordinator at the end of each semester for a comprehensive evaluation of classroom and performance work. If you do not demonstrate satisfactory progress or do not adhere to the retention standards established by the department, you may be placed on departmental probation or dropped from the major.

Required auditions: BFA acting majors must audition for all faculty-directed mainstage and studio theatre productions and accept roles as assigned.

Curricular Requirements (Acting) (Bachelor of Fine Arts)

Consists of 80 credits.

Acting

1. **General Courses:** THEA 146, 162, 244, 375; DNCE 114, 212.
2. **Acting:** THEA 170, 172, 282, 381, 384, 481, 482.
3. **Movement:** THEA 165, 166.
4. **Stage Combat:** THEA 382.
5. **Voice:** THEA 232, 233, 332.
6. **Theatre History:** THEA 351, 352, 452 (Satisfies the Communication in the Major requirement).
7. **Electives:** 13 credits approved by your adviser. Up to 3 elective credits may be from THEA 226-426.

8. **Practicum:** See description above.
9. **Capstone Experience:** 497.

DESIGN/TECHNOLOGY

Sandy Childers, Coordinator

Admission interview required: Admission to the design and technology program is by audition interview. Interviews are held in the spring for fall acceptance and we recommend that you be officially admitted to UW-Stevens Point before your assigned interview date. Apply early since the number of students accepted into the program is limited. If you are a transfer student and wish to enter the design/technology program, you should interview before transferring to UW-Stevens Point. Contact the Dept. of Theatre and Dance for more information.

Retention in the program: You will be formally reviewed each semester. If you do not demonstrate satisfactory progress or do not adhere to the retention standards established by the department, you may be placed on departmental probation or dropped from the major.

Curricular Requirements (Design/Technology) Bachelor of Fine Arts)

Consists of 78 credits.

Design/Technology

1. **General courses:** THEA 146, 160, 162, 375.
2. **Design/Tech required:** THEA 149, 241, 242, 243, 244, 345, 347, 445, 448.
3. **Design/Tech structured electives: (15 credits from):** THEA 245, 248, 341, 342, 343, 346, 348, 349, 399, 446, 449, 492.
4. **History:** THEA 351, 352, 452 (Satisfies the Communication in the Major requirement).
5. **Electives:** 12 credits approved by your adviser. Up to 3 elective credits may be from THEA 226-426.
6. **Practicum:** See description above.
7. **Capstone Experience:** 497.

Drama Minor in Theatre Arts

Gary Olsen, Coordinator

Consists of 24 credits:

1. **General courses:** THEA 146, 160 or 170, 162.
2. **History:** 6 credits from THEA 351, 352, 452.
3. **Electives:** 9 credits approved by adviser. . Up to 2 elective credits may be from THEA 226-426.
4. **Practicum:** See description above.

MUSICAL THEATRE

Musical Theatre Option of Theatre Arts Major (Bachelor of Fine Arts)

Mark Hanson, Coordinator

Choose this option if you are a multitalented performer and wish to pursue a professional career in musical theatre. The program requires study in three primary areas: acting, dance, and voice, as well as courses in music theory, piano, theatre, and musical theatre history.

Admission audition required: Admission to the BFA musical theatre program is by audition only. Auditions are held in the spring for fall acceptance. We recommend that you be officially admitted to UW-Stevens Point before your assigned audition date. Apply early since the number of students accepted into the program is limited. If you are a transfer student and wish to enter the musical theatre program, you should audition before transferring to UW-Stevens Point. Contact the Department of Theatre and Dance for more information.

Retention in the program: You will be formally reviewed each semester. You must participate each semester in at least one public performance in mainstage, studio or Players productions, performance forums or publicly performed class projects. If you do not demonstrate satisfactory progress in the program or do not adhere to the established retention standards, you may be placed on departmental probation or dropped from the major.

Required auditions: Musical theatre majors must audition for all faculty-directed mainstage and studio theatre productions and accept roles as assigned.

Curricular Requirements (Musical Theatre)

Consists of 78 credits.

1. **General courses,** 6 credits: THEA 146, 162.
2. **Acting,** 19 credits: THEA 170, 172, 282, 384, 481, 484.
3. **Dance,** 10 credits: DNCE 103, 105, 114, 115, 212.
4. **Voice,** 14 credits: THEA 131, 231, 232, 233, 331, 431.
5. **Piano,** 4 credits: MUS 146, 147.
6. **Musical Theatre,** 10 credits: THEA 110, 111, 129-229 (4 cr).
7. **Electives:** 6 credits approved by your adviser.
8. **Practicum:** See description above.
9. **History,** 6 credits: THEA 362, 452 (Satisfies the Communication in the Major requirement).
10. **Capstone Experience:** 497.

Courses in Dance

DNCE 103. Modern A. 2 cr. Introduction to basic modern dance technique and performance concepts. Does not count toward BA dance major requirements. 3 hrs per wk. GDR: WL/AA; GEP: WLN

DNCE 104. Modern IB. 3 cr. For majors and minors. Continuation of 103. Fundamentals of modern dance concepts and techniques. 4 hrs per wk. May repeat once with cons instr for 6 cr max. Prereq: 103 or test out. GDR: WL/AA; GEP: WLN

DNCE 105. Ballet A. 2 cr. Introduction to the basic ballet technique and performance concepts. Does not count toward BA dance major requirements. 3 hrs per wk. GDR: WL/AA; GEP: WLN

DNCE 106. Ballet IB. 3 cr. For majors and minors. Continuation of 105. Fundamentals of ballet concepts and techniques. 4 hrs per wk. May repeat once with cons instr for 6 cr max. Prereq: 105 or test out. GDR: WL/AA; GEP: WLN

DNCE 114. Jazz I. 2 cr. Introduction to beginning level jazz technique and performance skills. 3 hrs per wk. GDR: WL/AA; GEP: WLN

DNCE 115. Tap I. 2 cr. Master advanced beginning level tap techniques and performance skills. 3 hr. per wk. Prereq: Department of Theatre & Dance major or minor OR cons instr. GDR: WL/AA; GEP: WLN

DNCE 199. Directed Study. 1-3 cr. Freshman and sophomore dance majors and minors may arrange for independent study on individual or group projects with cons chair. Credit based on scope of project.

DNCE 203. Modern IIA. 2-3 cr. Master intermediate level modern dance techniques and performance concepts. 4 1/2 hrs per wk. Enroll for 3 cr as part of core. May enroll for 2 cr after core. May repeat for 6 cr max. Prereq: 104 and placement exam, or test out. GDR: WL/AA

DNCE 204. Modern IIB. 2-3 cr. Master intermediate level modern dance technique and performance concepts. 4 1/2 hrs per wk. Enroll for 3 cr as part of core. May enroll for 2 cr after core. May repeat for 6 cr max. Prereq: 104 and placement exam, or test out. GDR: WL/AA

DNCE 205. Ballet IIA. 2-3 cr. Master intermediate level ballet technique and performance concepts. 4 1/2 hrs per wk. Enroll for 3 cr as part of core. May enroll for 2 cr after core. May repeat for 6 cr max. Prereq: 106 and placement exam, or test out. GDR: WL/AA

DNCE 206. Ballet IIB. 2-3 cr. Master intermediate level ballet technique and performance concepts. 4 1/2 hrs per wk. Enroll for 3 cr as part of core. May enroll for 2 cr after core. May repeat for 6 cr max. Prereq: 106 and placement exam, or test out. GDR: WL/AA

DNCE 212. Theatre Dance 2 cr. Theatre dance forms with beginning period styles of jazz. 3 hrs per wk. Prereq: Theatre & Dance major or minor OR cons instr. GDR: WL/AA; GEP: WLN

DNCE 214. Jazz II. 2-3 cr. Master intermediate level jazz technique and performance skills. 4 hrs per wk. Enroll for 3 cr as part of core. May enroll for 2 cr after core. May repeat for 6 cr max. Prereq: 106, 114 or test out. GDR: WL/AA; GEP: WLN

DNCE 215. Tap II. 2-3 cr. Master intermediate level tap technique and performance skills. 4 hrs per wk. Enroll for 3 cr as part of core. May enroll for 2 cr after core. May repeat for 6 cr max. Prereq: 115 or test out. GDR: WL/AA

DNCE 220. Movement Analysis and Theory I. 3 cr. Experience, observe and analyze the language of movement through body, effort, space and shape with application to performance. Introduction to motif writing and skeletal and muscular systems.

DNCE 226. Theatre Practicum for Dancers. 0-1 cr. Assigned participation in theatre/dance production. Required for all dept majors. See *Required Practicum* above. May repeat each course three times for credit. GEP: XL

DNCE 227. Dance Workshop. 1-6 cr. Subtitle will designate area (tap, jazz, pointe, partnering, fundamentals of rhythm, et al). May repeat for credit with different subtitles. Prereq: Cons instr.

DNCE 301. Composition II. 3 cr. Explore small group forms through studies in time, space, dynamics, and musical forms. 4 hrs per wk. Prereq: Cons instr.

DNCE 302. Composition III. 3 cr. Emphasis on solo forms including a review of modernism, post-modernism and site-specific work in dance composition. Prereq: 301.

DNCE 303. Modern IIIA. 2-3 cr. Master advanced level modern dance technique and performance concepts. 4 1/2 hrs per wk. Enroll for 3 cr as part of core. May enroll for 2 cr after core. May repeat for 6 cr max. Prereq: 104 and placement exam, or test out. GDR: WL/AA

DNCE 304. Modern IIIB. 2-3 cr. Master advanced level modern dance technique and performance concepts. 4 1/2 hrs per wk. Enroll for 3 cr as part of core. May enroll for 2 cr after core. May repeat for 6 cr max. Prereq: 104 and placement exam, or test out. GDR: WL/AA

DNCE 305. Ballet IIIA. 2-3 cr. Master advanced level ballet technique and performance concepts. 4 1/2 hrs per wk. May repeat for 6 cr max. Prereq: 106 and placement exam, or test out. GDR: WL/AA

DNCE 306. Ballet IIIB. 2-3 cr. Master advanced level ballet technique and performance concepts. 4 1/2 hrs per wk. Enroll for 3 cr as part of core. May enroll for 2 cr after core. May repeat for 6 cr max. Prereq: 106 and placement exam, or test out. GDR: WL/AA

DNCE 314. Jazz III. 2-3 cr. Master advanced level jazz technique and performance skills. 4 hrs per wk. Enroll for 3 cr as part of core. May enroll for 2 cr after core. May repeat for 6 cr max. Prereq: 106 and 214 or test out. GDR: WL/AA

DNCE 327. Dance Workshop. 1-6 cr. Subtitle will designate area (tap, jazz, pointe, partnering, fundamentals of rhythm, et al). May repeat for credit with different subtitles. Prereq: Cons instr.

DNCE 328. Career Seminar. 1 cr. Survey of career options in dance.

DNCE 352. Dance History. 3 cr. Development of dance in a cultural, philosophical and political context from 1930 to the present including culturally diverse American dance forms. GDR: HU1; GEP: ART

DNCE 399. Special Work. 1-6 cr. You may arrange for independent study on individual or group projects with cons instr and chair. Credit based on scope of the project. Subtitle will designate area.

DNCE 420. Teaching Theories and Practices. 3 cr. Introduction to the theories and practices of teaching dance. Observe, demonstrate, and practice teach beginning level classes. Prereq: 220, jr st or cons instr.

DNCE 426. Theatre Practicum for Dancers. 0-1 cr. Assigned participation in theatre/dance production. Required for all dept majors. See *Required Practicum* above. May repeat each course three times for credit. GEP: XL

DNCE 428. Dance Internship. 1-6 cr. Supervised field experience with a cooperating agency in dance-related field. Prereq: Cons dance coord.

DNCE 496. Interdisciplinary Seminar. 3 cr. Advanced seminar experience integrating dance with other academic disciplines, including video dance and multimedia technology. Culminates in final performance or research project. Prereq: 301, 302.

Dance Latent Courses: Not offered recently. See full course description in indicated (xx-xx) catalog.

112	Theatre Dance and Tap I, 2 cr, (07-09)
204	Modern IIB, 2-3 cr, (07-09)
221	Movement Analysis and Theory II, 3 cr, (99-01)
315	Tap III, 2-3 cr, (99-01)
351	Dance History I, 3 cr, (99-01)

Courses in Theatre

THEA 105. Theatre Appreciation. 3 cr. Introductory study of theatre; what it is and has been. Study plays, playwrights, and various theatre crafts. GDR: HU1; GEP: ART

THEA 110. Music Theory for Musical Theatre Performers I. 3 cr. Music theory fundamentals: pitch recognition and notation, scales, triads, intervals, rhythm, vocabulary; introduction to harmonic and structural analysis and four-part writing. Lab section includes applied musicianship skills: sight singing, group singing, basic keyboard skills.

THEA 111. Music Theory for Musical Theatre Performers II. 3 cr. Extension of written, keyboard, and vocal musicianship skills in techniques of harmonic and structural analysis, four-part writing, transposition, and investigation of musical theatre styles.

THEA 129. Performance Laboratory. 1 cr. Intensive laboratory experience in musical theatre performance techniques. May repeat for credit.

THEA 131. Vocal Training I. 1 cr. Private voice lessons for musical theatre performer. Prereq: Cons instr and program coord. May repeat once for credit.

THEA 146. Introduction to Theatre Technology. 3 cr. Study and application of materials/techniques for costume construction and stage-craft. Costume: hand/machine sewing, basic corrective makeup, quick changes, pulling costumes. Stagecraft: stage equipment, rigging, wood-working tools, scale drawings, scenic and lighting design presentations, lighting systems, properties, production organization. 6 hrs lec and/or lab per wk. Prereq: Cons instr.

THEA 149. Introduction to Theatrical Design. 3 cr. Beginning design techniques: drafting, sketching, rendering. 3 hrs lec and/or lab per wk.

THEA 160. Introduction to Acting. 3 cr. Beginning acting course for nonacting majors to encourage imagination, self-expression, communication, and a fundamental understanding of the acting process.

THEA 162. Script Analysis. 3 cr. Fundamentals of analysis for the actor, designer, or director.

THEA 165. Movement for Actors I. 3 cr. Create awareness of the actor's physical potential while expanding physical confidence, strength, flexibility, balance and endurance. Develop kinesthetic responsiveness/sensitivity to the stimuli of partnering, environments, and psychological moods. Prereq: BFA acting option or cons instr.

THEA 166. Movement for Actors II. 3 cr. Reinforce and refine fundamentals taught in 165. Advanced exploration of physical characterization through Commedia skills, energy/essence states, archetypes, status play and neutral mask work. Prereq: 165 or cons instr.

THEA 170. Fundamentals of Acting I. 3 cr. Beginning acting course for performance majors to explore fundamental process of character development through playing a dramatic action. Includes exercises to free body, voice, emotions of inhibitions that restrict open communication within dramatic situation. Prereq: Performance major or cons instr.

THEA 172. Fundamentals of Acting II. 3 cr. Continuation of 170 with script and character analysis. Prereq: 170, or 160 and cons instr.

THEA 199. Directed Study. 1-3 cr. Freshman and sophomore theatre majors and minors may arrange for independent study on individual or group projects with cons chair. Credit based on scope of project.

THEA 226. Theatre Practicum. 0-1 cr. Assigned participation in theatre and dance production. Required of all dept majors. See *Required Practicum* above. May repeat each course 3 times for credit. GEP: XL

THEA 229. Performance Laboratory. 1 cr. Intensive laboratory experience in musical theatre performance techniques. May repeat once for credit. Prereq: 129.

THEA 231. Vocal Training II. 1 cr. Private voice lessons for musical theatre performer. Prereq: Cons instr and program coordinator. May repeat once for credit.

THEA 232. Voice and Articulation I. 3 cr. Develop vocal strength, endurance, range and expressiveness through the training of proper alignment, breath support, placement, centering, articulation and the release of tension. Work toward neutralizing existing regionalisms; introduction to Intl Phonetic Alphabet. Prereq: 172 or cons instr.

THEA 233. Voice and Articulation II. 3 cr. Reinforce and refine fundamentals taught in 232. Advanced exploration of vocal expressiveness through work with classical texts and other highly theatrical styles/techniques. Further study of International Phonetic Alphabet. Prereq: 232 or cons instr.

THEA 241. Scene Design I. 3 cr. Elements of the scenic design process including research, scene analysis, floor plans, sketching, and rendering techniques. 3 hrs lec and/or lab per wk.

THEA 242. Lighting Design I. 3 cr. Theory and practice in the application of methods and principles of lighting for theatrical productions. 3 hrs lec and/or lab per wk.

THEA 243. Costume Design I. 3 cr. Introduction to the art and practice of costume design using beginning rendering techniques. Analysis of the costume design process and organization from script and design concept to the workable costume on stage. 3 hrs lec and/or lab per wk.

THEA 244. Makeup Design. 3 cr. Fundamentals of 2/3-dimensional stage makeup through character analysis, design, and application. Practical experience in laboratory projects. 4 hrs lec and/or lab per wk. Course fee required. Prereq: Cons instr.

THEA 245. Properties Design. 3 cr. Design, organize, acquire, construct stage properties for theatrical applications. 4 hrs lec and/or lab per wk.

THEA 248. Costume Construction Techniques. 3 cr. Study and theatrical applications of advanced sewing skills and techniques. 4 hrs lec and/or lab per wk.

THEA 281. Improvisation. 3 cr. Participate in improvisation and theatre games to develop actor's physical and emotional freedom. Prereq: 160 or 170.

THEA 282. Scene Study I. 3 cr. Explore basic acting fundamentals through analysis and performance of scenes from contemporary realistic plays. Prereq: 172 or cons instr.

THEA 327. Fundamentals of Playwriting. 3 cr. Basic elements of playwriting; idea, structure, theme, plot, characterization, dialogue, language; project writing and class criticism.

THEA 329/529. Theatre/Dance as a Popular Art. 3 cr. May repeat for 6 cr max. Popular theatre from viewpoint of audience, artists and producing groups (including theatre, dance, TV drama and film) through visits and tours to theatre/dance rehearsals, TV studios and motion picture locations. Seminar appearances by actors, dancers, writers, directors, designers, producers and other theatre artists. Performance attendance and evaluation required. Offered in UW-Stevens Point overseas studies program. Does not count toward drama major or minor. Prereq: Jr st or cons instr. GDR: HU1; GEP: ART

THEA 331. Vocal Training III. 1 cr. Private voice lessons for musical theatre performer. Prereq: Cons instr and program coordinator. May repeat once for credit.

THEA 332. Phonetics and Dialects. 3 cr. Learn the International Phonetic Alphabet and how to apply it to stage dialects and accents. Prereq: 170, 232, or cons instr.

THEA 341. Scene Design II. 3 cr. Study and skills of scene design with multiset productions, advanced work on rendering techniques, model making, computer-aided design (CAD). Introduction to resume/portfolio preparation. 3 hrs lec and/or lab per wk. Prereq: 241 or cons instr.

THEA 342. Lighting Design II. 3 cr. Study and skills of lighting design including design for variety of theatre spaces, scenic projection techniques, and computer application in lighting design. 3 hrs lec and/or lab per wk. Prereq: 242 or cons instr.

THEA 343. Costume Design II. 3 cr. Study and skills of costume design. Relationship of script analysis, character analysis, and historical period to the formation and realization of the design concept. Rendering techniques with emphasis on fabric, color, line, and figure. 3 hrs lec and/or lab per wk. Prereq: 243 or cons instr.

THEA 345. Theatrical Rendering. 3 cr. Advanced rendering techniques for scenic, costume and lighting design. 4 hrs studio per wk.

THEA 346/546. Stage Management. 3 cr. Role of stage manager as assistant to the director during rehearsal and in managing backstage activities during productions including scheduling, company and union rules, rehearsal procedures, time management, scene shifts, running, and touring. Computer applications for production organization and communication. 3 hrs lec and/or lab per wk.

THEA 347. Computer-Aided Design for the Stage. 3 cr. CAD techniques including 2-D drafting and 3-D modeling. Explore computer as tool for graphic imaging and applications for theatrical production. 4 hrs lec and/or lab per wk.

THEA 348. Pattern Drafting. 3 cr. Work in costume rendering interpretation and pattern drafting of period garments. 6 hrs lec and/or lab per wk. Prereq: Jr st, 146, or cons instr.

THEA 349. Theatrical Sound Design. 3 cr. Study equipment and techniques related to theatre sound and the art of sound as a theatrical design element.

THEA 351. Classical and Medieval Theatre History. 3 cr. Theatrical forms of ancient India, classical Greece and Rome, classical Japan, and medieval Europe studied through dramatic literature, cultural history, and theatrical conventions. Prereq: 162. GDR: HU1; GEP: ART

THEA 352. Theatre History from Renaissance to Romanticism. 3 cr. Dramatic literature of European tradition from Renaissance through Romanticism in context of cultural developments and theatrical technologies/conventions of the time. Includes Elizabethan and Jacobean drama and spectacles, Restoration Comedy, French neoclassical theatre, Italian innovations in architecture and design, Romantic philosophy of art and drama. Prereq: 162. GDR: HU1; GEP: ART

THEA 361. Survey of Musical Theatre I. 3 cr. Investigate forms and ideas that contributed to development of today's American musical including comic opera, operetta, minstrelsy, burlesque, and vaudeville with their respective leading exponents. GDR: HU1; GEP: ART

THEA 362. Survey of Musical Theatre II. 3 cr. Explore musical theatre genres, styles, and architects from 1950 to the present. GDR: HU1; GEP: ART

THEA 365. Singing for the Stage. 2 cr. Basic singing technique for actors and others who are not primarily singers. Prereq: Theatre or dance major or minor; not open to musical theatre majors.

THEA 375. Directing I. 3 cr. Theory of directing; exercises in blocking and performing scenes. 4 hrs per wk. Prereq: 160 or 170, 162, jr st.

THEA 376. Directing II. 3 cr. Practice in directing scenes and one act plays; develop directing skills. 4 hrs per wk. Prereq: 375 or cons instr.

THEA 380. Audition Techniques. 3 cr. Participate in developing audition skills, monologues, cold readings. Prereq: 282 or cons instr. For BFA acting/musical theatre majors; open by audition to others who meet prerequisites.

THEA 381. Acting for the Camera I. 3 cr. Experience in video and film acting. Course fee required. Prereq: 170, 282, 384, or cons instr.

THEA 382. Stage Combat. 3 cr. Fundamentals of hand-to-hand combat and weaponry used for the stage, emphasizing safety. Prereq: 170, 282, or cons instr.

THEA 384. Scene Study II. 3 cr. Analysis and performance of scenes in variety of styles. For BFA acting/ musical theatre majors; open by audition to others who meet prerequisites. Prereq: 282 or cons instr.

THEA 399. Directed Study. 1-6 cr. Upperclass theatre majors or minors may arrange for independent study on individual or group projects with cons chair. Credit based on scope of the project.

THEA 426. Theatre Practicum. 0-1 cr. Assigned participation in theatre and dance production. Required of all dept majors. See *Required Practicum* above. May repeat each course 3 times for credit. GEP: XL

THEA 429. Drama Workshop. 1-6 cr. Intensive laboratory experience. Subtitle will designate area. Prereq: Sr st, or jr st and cons instr.

THEA 431. Vocal Training IV. 1 cr. Private voice lessons for musical theatre performer. Prereq: Cons instr and program coord. May repeat once for credit.

THEA 445. Scene Painting. 3 cr. Introduction to scene painting and application to scene design process; basic painting techniques; types of paint and materials. 4 hrs lec/lab per wk.

THEA 446. Technical Production. 3 cr. Advanced work in technical production including facilities management, budgeting, purchasing, scheduling, safety, and construction techniques. 3 hrs lec and/or lab per wk. Prereq: 241 and 242 or cons instr.

THEA 448. Costume Crafts. 3 cr. Advanced work in various craft areas: millinery, shoes, accessories, wigs, face casting, masks, puppets, leatherwork. 6 hrs lec and/or lab per wk. Prereq: Cons instr.

THEA 449. Seminar in Technical Theatre. 3 cr. Special projects and techniques of handling advanced technical theatre problems. Subtitle with designate area. May repeat once for credit under each subtitle. Arranged. Prereq: 241 or 242 or cons instr.

THEA 452. Modern and Contemporary Theatre History. 3 cr. Dramatic literature of Western world from late 19th century to present. Wide variety of dramatic theories/theatrical practices. Prereq: 162. GDR: HU1; GEP: ART

THEA 461. Survey of Asian Theatre. 3 cr. Survey of dramatic literature, physical stage, production and acting conventions of traditional theatre forms of China, Japan, and other Asian countries.

THEA 481. Period Acting I. 3 cr. Theory and practice of acting verse and other drama written before the 18th century; Shakespearean plays. For BFA acting/musical theatre majors; open by audition to others who meet prerequisites. Prereq: 170, 282, 384, or cons instr.

THEA 482. Period Acting II. 3 cr. Advanced study and practice performing plays written prior to 20th century. Emphasis on comedy of manners. For BFA acting/musical theatre majors; open by audition to others who meet prerequisites. Course fee required. Prereq: 170, 282, 384, or cons instr.

THEA 484. Musical Theatre Performance. 2 cr. Integrate acting, singing and movement into effective musical theatre auditions and performances through study and performance of scenes from musical theatre. May repeat for 6 cr max. For BFA musical theatre majors; open by audition to others who meet prerequisites. Prereq: 129, 282, jr st.

THEA 490/690. Seminar in Theatre. 3 cr. Research and discuss specialized areas of theatre and drama. Subtitle will designate area. May repeat for credit with different subtitles. Prereq: Sr st, or jr st and cons instr. GDR: HU1; GEP: ART

THEA 492. Theatre Internship. 1-6 cr. On-the-job training in specific area of theatrical production, performance, or management. Prereq: Cons dept chair.

THEA 494. Drama Workshop. 1-6 cr. Intensive laboratory experience. Subtitle will designate area of concentration. Prereq: Cons instr.

THEA 497. Senior Project. 1-3 cr. Exhibit talents by developing special project in dance, drama, or musical theatre. Project must be approved by dept and be supervised by dept project committee.

TheatreLatent Courses: Not offered recently. See full course description in indicated (xx-xx) catalog.
386 Acting for the Camera II, 3 cr, (07-09)

THERAPEUTIC LIFESTYLE CHANGES COACHING CERTIFICATE

See [Community & Organizational Leadership and Nutritional Sciences](#) in the Graduate Programs section.

Undecided/Undeclared

Student Academic Advising Center

Angela Kellogg, Director
Room 103 Student Services Center (SSC)
Phone: 715-346-3361
Fax : 715-346-3724
Email: saac@uwsp.edu
Web: www.uwsp.edu/advising

If you have not yet declared a major, or are in one of the situations below, go to the Student Academic Advising Center (SAAC), Room 103, SSC to be assigned an adviser. SAAC advisers can help you in:

- developing your educational plans
- making informed decisions in selecting a major
- clarifying the relationship between educational plans and career goals
- understanding the purpose and value of general education as part of the college experience
- locating university requirements, policies, and procedures
- selecting courses which fulfill General Education Program requirements and match your interests and possible majors
- using and understanding the Degree Progress Report to the fullest extent
- taking responsibility in the advising and decision-making processes

SAAC advisers also assist you in examining major alternatives if you:

- are questioning your choice of major and need help in exploring your options
- have not yet gained entrance into or are dropped from your preferred major (due to, for example: audition, not meeting GPA requirement, portfolio review, etc.)
- are listed as "in transition" in your MyPoint

URBAN FORESTRY

See [Natural Resources, Forestry](#).

URBAN PLANNING

See [Geography](#).

WASTE MANAGEMENT

See [Natural Resources, Soil and Waste Resources](#).

WATER RESOURCES

See [Natural Resources-Fisheries and Water Resources](#).

WATERSHED HYDROLOGY

See [Natural Resources-Fisheries and Water Resources](#).

WEB AND DIGITAL MEDIA DEVELOPMENT

See [Computing and New Media Technologies](#)

WEBSITE DEVELOPMENT

See [Computer Information Systems, Communication, Web and Digital Media Development](#), and [Art & Design](#).

WELLNESS

See [Health Promotion and Human Development](#). For the list of courses that meet the General Education Program Wellness requirement see [Physical Education & Athletic Training](#). Also see [General Education Program Approved Courses](#).

WILDLIFE ECOLOGY

See [Natural Resources](#).

Women's and Gender Studies

(College of Letters and Science)

Rebecca Stephens, Coordinator

Room 445 CCC

Phone: 715-346-4331

Email: restephe@uwsp.edu

Definition: Women's and gender studies emphasizes the interdisciplinary study of issues in gender, women's studies, and sexuality with attention to methodological and/or theoretical approaches.

Women's and Gender Studies Minor

Consists of 22 credits:

1. Core, 9 credits, distributed as follows:
 - a. 3 credits: WGS 105;
 - b. 3 credits: WGS 300 or 301;
 - c. 3 credits earned from one or more of the following: 396 (1-3 credits), 499 (1-3 credits) and 490 (3 credits).
2. Additional courses from COMM 369 with approp subtitle, 396; ENGL 102 with approp subtitle, 285, 287, 288, 309 with approp subtitle, 327, 365, 385 with approp subtitle; GEOG 371; HIST 284, 285, 332, 384, 385, 395 with approp subtitle, 490 with approp subtitle; MUS 301; PHIL 350, 351; POLI 408, 414; PSYC 240; REL 321 with approp subtitle, 330, 333, 450 with approp subtitle; SOC 240, 316, 320, 395 with approp subtitle; SPAN 493 with approp subtitle; any women's and gender studies course taken in addition to the core requirements, and other courses as approved by the women's and gender studies committee.
3. The Women's and Gender Studies Minor satisfies the Interdisciplinary Studies GEP requirement. For more information, see the [GEP](#) section of the Catalog.

NOTE: Subtitled courses may count with prior approval of the women's and gender studies coordinator.

Credit-by-Exam Policy for Women's and Gender Studies

Credit-by-exam is available for WGS 105, 300. To arrange for an exam, contact the coordinator. For WOMN 300, you may test-out only for a topic that has been offered within one year of the test-out attempt. Exams will include objective and essay questions. Course credit is given for scores equal to or greater than 80 percent of the total points on the exam. You may take the exam only once.

Courses in Women's and Gender Studies

WGS 105. Introduction to Women's and Gender Studies. 3 cr. Introduction to the study of women and gender, the influence of gender on social institutions and structures, and an examination of women's lives and contributions to society, both within the United States and around the world. GDR: MNS, SS2; GEP: IS, SS, USD

WGS 300/500. Topics in Women's and Gender Studies (Humanities Emphasis). 3 cr. Interdisciplinary examination of one or more major topics in women's and gender studies. May take for credit twice under different subtitles. Prereq: 105 or cons inst. GDR: HU4; GEP: HU

WGS 301. Women and Feminism in the Modern World (Social Science Emphasis). 3 cr. Interdisciplinary study of the impact of feminism in particular modern, social and/or political contexts. May take for credit twice under different subtitles. GDR: SS2; GEP: SS

WGS 320/520. Literary Perspectives on Race and Gender. 3 cr. How U.S. ethnic minority women writers treat the subjects of race, ethnicity, and gender; social and historical contexts of their literature. GDR: HU4, MNS

WGS 350/550. Women and Science. 3 cr. Explores the interaction of women and science including survey of women's contributions to science, impact of science on women, feminist critiques of science, and feminist standpoints on the future of science. Prereq: jr st or cons instr.

WGS 396. Practicum. 1-3 cr. You may arrange through the women's and genders studies coordinator to work with a community organization or agency, or in an applied setting directly involved with women's and gender related issues.

WGS 490. Seminar. 3 cr. Investigating aspects of woman's role, e.g., in government, education, law, family, community; research involves reading and direct research projects producing significant data or a seminar paper. Prereq: 105 or cons instr.

WGS 499. Special Work. 1-3 cr. Women's and gender studies minors may arrange for special work with cons women's and gender studies coordinator. Research involves reading and direct research, producing significant data or a seminar paper.

Women's and Gender Studies Latent Course: Not offered recently. See full course description in indicated (xx-xx) catalog.

200 Topics in Women's Studies, 1-3 cr, (07-09)

320/520 Literary Perspectives on Race and Gender, 3 cr, (07-09)

350/550 Women and Science, 3 cr, (01-03 catalog).

World Languages and Literatures

(College of Letters and Science)

Alek Toumi, Interim Chair

Room 490, Collins Classroom Center

Phone: 715-346-3036

Email: forlang@uwsp.edu

Web: www.uwsp.edu/forlang

FOREIGN LANGUAGE

Faculty : E Armacanqui_Tapacti, T Barske, D Breining, R Craig-Odders, B David, V Klekovkina, K Leek, T Leek, M Mace, A Runnion, R Ruppel, R Sarma-Traynor, A Toumi.

The Department of World Languages and Literatures offers courses in Arabic, Chinese, French, German, Hmong, Japanese, Latin, Russian, and Spanish, Comparative Literature, and teaching English as a second language.

Placement/Advanced Standing

When you enter UW-Stevens Point as a freshman or transfer student and elect to take courses in French, German, Russian, or Spanish, you are required to take the UW System placement examination. It works out best if you make arrangements with your guidance office to take this exam before your assigned registration day.

After you take the exam you will be placed in the appropriate foreign language course according to the following rules.

1. On the basis of the exam the department will grant up to 16 credits for foreign language courses you completed in high school. Then you must complete the course into which you are placed with a grade of B- or better to receive the retroactive credits.
2. The department may also grant credit for language proficiency you have gained through nonacademic means. After you take the placement exam you

must complete the course into which you are placed with a grade of B- or better to receive credit for prerequisite courses which you have not taken formally.

Please realize that the department will not recommend granting credit for high school work or other language proficiency until AFTER you have completed a foreign language course on this campus.

There may be other situations where students who demonstrate proficiency in foreign language will be placed in the appropriate foreign language course by the department.

Foreign Language Major (French, German, Spanish) (Bachelor of Arts)

Consists of 24 credits in courses at the 300 and 400 levels, including 313, 314, 345, 481 (or in SPAN, 482 or 483), 340, one literature course beyond 340, and the Capstone Experience, 495, in the appropriate language.

Contained in the 24 credit major is the six credit requirement of Communication in the Major which is satisfied by FREN/GERM/SPAN 340 as the first Communication in the Major course, and then one of the following designated courses within your respective language: FREN/GERM/SPAN 345, 355, 420, 481; FREN 441, 442, 460, 470; GERM 460, 470; SPAN 482, 483, 493.

Foreign Language Major (General) for Teacher Certification (Bachelor of Arts)

Consists of 30 credits in 300/400 level courses, including:

1. 313, 314, 340, 345, 420.
2. One literature course beyond 340.
3. One of 481, 482, or 483.
4. Six credits of coursework in Communication in the Major.
5. One Capstone Experience: FREN/GERM/SPAN 495.
6. One elective chosen from literature or culture courses.
7. FLED 333.
8. FLED 398 or 498 taken concurrently with FLED 400.

Culture Studies Concentration in Foreign Language Major (Bachelor of Arts)

Consists of 30 credits: 15 credits of language and literature at the 300 and 400 levels, including 313, 314, 340, 345, and 495; and 15 credits of culture studies, including 6 credits of 481, (or in SPAN, 482 or 483), and 9 credits in coursework outside the department, selected with adviser approval.

Culture Studies for Teacher Certification Concentration in Foreign Language Major (Bachelor of Arts)

Consists of 36 credits:

1. Language and literature, 18 credits at the 300/400 level, including 313, 314, 340, 345, 420, and 495.
2. One additional literature course beyond 340.
3. Six credits of coursework in Communication in the Major.
4. One Capstone Experience: FREN/GERM/SPAN 495.
5. Culture studies, 15 credits including 6 credits from 481, 482, or 483.
6. Collateral courses, 9 credits from outside the department selected with adviser approval.
7. FLED 333.
8. FLED 398 or 498 taken concurrently with FLED 400.

Foreign Language Concentration in the Business Administration Major (French, German, Spanish)

See [Business and Economics](#) earlier in this catalog.

The area of concentration in a foreign language provides a cross-cultural experience for students planning to work in international or multicultural environments. The area of concentration emphasizes practical language skills and knowledge of appropriate cultural forms and behavior.

Foreign Language Minor

1. **French:** Consists of 15 credits in courses at the 300/400 level, including 313, 314, 340, and a culture or advanced literature course.
2. **German:** Consists of 15 credits in courses at the 300/400 level, including 313, 314, 340, and a culture or advanced literature course.
3. **Spanish:** Consists of 15 credits in courses at the 300/400 level, including 313, 314, 340, and a culture or advanced literature course.

Foreign Language Minor for Teacher Certification (Elementary)

If you are an **elementary education major** and do not intend to be certified to teach a foreign language in middle school, you may complete the regular 15-credit academic minor above instead of the minor for teacher certification.

Foreign Language Minor for Teacher Certification

Consists of 21 credits in courses at the 300/400 level:

1. 313, 314, 340, 345, 420.
2. One of 481, 482, or 483.
3. FLED 333.
4. FLED 398 or 498 taken concurrently with FLED 400.

ENGLISH AS A SECOND LANGUAGE

Teaching English as a Second Language Minor (TESL)

The TESL minor consists of 22-29 credits. You must take the TESL minor in conjunction with teaching majors in early childhood, elementary education, K-12 majors, or secondary teaching majors.

1. Proficiency in English: Attain the minimum scores required by the Wisconsin Dept. of Public Instruction on verbal and reading sections of the PPST.
2. Two semesters of college-level foreign language (8 credits) or equivalent high school or other experience demonstrated by taking UW-Stevens Point's foreign language placement test.
3. Required.
 - a. One course from ENGL 342, 344, 345.
 - b. One course from COMD 266 or ENGL 240.
 - c. With ESL adviser approval, choose one course from ANTH 110, 325; HIST 288; POLI 315; PSYC 322; or SOC 270, 327.
 - d. English courses:
 - 1) Early Childhood (ages 0-8) and Middle Childhood-Early Adolescence (ages 6-13):
 - a. One course from ENGL 274, 275
 - b. Education 309 and 310
 - 2) English Majors – Early Adolescence – Adolescence (ages 10-21): ENGL 375 – Literature for Adolescents, ENGL 355 Methods of Teaching Composition OR ENGL 356, Methods of Teaching Literature, ENGL 381 – Reading for the English Teacher.
 - 3) Non-English majors/Early Adolescence -Adolescence (ages 10-21): ENGL 200, ENGL 394 – Methods of Teaching Composition and Lit.; EDUC 386 – Reading in the Secondary School.
 - e. FLED 344.
 - f. FLED 398 or 498 (at least 1 credit)

English as a Second Language Minor without Certification

Consists of a minimum of 16 credits (not including foreign language requirement).

1. Prerequisites.
 - a. Demonstrated proficiency in English.

- b. Two semesters of college-level foreign language (8 credits) or equivalent high school experience demonstrated by taking UW-Stevens Point's foreign language placement test.
2. Required.
 - a. One course from ENGL 342 or 344.
 - b. One course from COMD 266, or ENGL 240.
 - c. With ESL adviser approval, choose one course from ANTH 110, 325, 335; FREN 481; GERM 481; HIST 288, 393; INTL 381; REL 100; SOC 270, 327; SPAN 481, 482, 483.
 - d. One course from ENGL 200, 211, 212, 213, 275, 375, or C LT 101, 102.
 - e. FLED 333 (with ESL adviser approval) or 344.
 - f. FLED 397, 1-3 credits.

Bilingual-Bicultural Education Certificate Program

The Bilingual-Bicultural Education Certificate is available if you are an undergraduate student who is already seeking ESL teaching certification and to practicing K-12 teachers with ESL certification in hand. The certificate is awarded after completion of all coursework (FLED 345/545 (3 credits), FLED 397/597, FLED 399) and requires a minimum of 5 credits. Program participants will acquire abilities to teach content both in English and another language (either Spanish or Hmong). You may apply for teaching certification with the Department of Public Instruction upon completion of the program. Contact the Department of World Languages and Literatures, the School of Education, or the Continuing Education Office for more information about the program. **Note:** You will only be awarded the Certificate if you successfully complete the TESL minor.

Academic Standards (Teaching) for the Department of World Languages and Literatures

1. **Student Teaching:** The chair of the Department of World Languages and Literatures and the director of the Office of Field Experiences approve student teaching programs. You register for FLED 398 (1- 8 credits), FLED 400 (1-2 credits), and receive an assignment at the grade level for which you are seeking certification.
2. **Professional Education Program:** Requirements for the Professional Education Program are listed in the [Education](#) section earlier in this catalog.

Academic Standards (Nonteaching) for the Department of World Languages and Literatures

To graduate with a nonteaching major or minor in the Department of World Languages and Literatures, you must have a 2.0 cumulative GPA in all courses for the major/minor, including transfer courses, regardless of any declaration of academic bankruptcy. See the [More Academic Information](#) section of this catalog for the course repeat policy.

Courses in foreign languages are open to all students who meet the prerequisites. If you are not accepted into teacher certification programs, you must have written consent from the chair to enroll in teaching methods courses.

Courses in (General) Foreign Language

See also listing under *Courses in Foreign Language Education*, below.

F LG 100. Basic Conversation Skills. 1-3 cr. Subtitle will indicate the language. Develop basic conversation skills in everyday practical contexts. May earn 3 cr max under each subtitle. Does not count toward foreign language requirements for the Bachelor of Arts degree type.

F LG 199. Independent Study. 1-4 cr each. Individual study of foreign language under faculty supervision. Prereq: Cons chair.

F LG 340/540. Special Language Studies. 1-3 cr. Special focus on some aspect of a language or the relationship between two or more languages. Subtitle will designate area. May repeat with different subtitles. Prereq: One year foreign language study.

F LG 381. Culture and Civilization. 2 or 3 cr. Subtitle will indicate focus. May repeat for credit with different subtitles. May count toward a major or minor in foreign language with cons chair.

GDR: HU4; GEP: HU

F LG 399. Independent Study. 1-4 cr each. Individual study of foreign language under faculty supervision. Prereq: Cons chair.

F LG 796. Independent Study. 1-3 cr. Planned study to supplement preparation in area of specialization; regular conferences with staff supervisor.

Foreign Language Latent Courses: Not offered recently. See full course description in indicated (xx-xx) catalog.

299 Independent Study, 1- 4 cr, (11-13)

499 Independent Study, 1-4 cr, (07-09)

Courses in Foreign Language Education

FLED 333. Teaching Second Languages. 3 cr. Second language acquisition theories, methods, techniques, planning, organization, assessment, and field experiences in teaching foreign languages in elementary, middle, and secondary schools. Prereq: Jr st and admis to Prof Ed Prog, or cons instr.

FLED 344/544. Teaching English as a Second Language. 3 cr. Theories of second language acquisition; methods, techniques, planning, organization, assessment, and field experiences in teaching ESL. Prereq: Jr st and admis to Prof Ed Prog, or cons instr.

FLED 345/545. Methods in Bilingual Education. 1-3 cr. First and second language acquisition theories, program methods, instructional practices, curriculum design, and assessment in bilingual education. Prereq: Jr st and admis to Prof Ed Prog, or cons instr.

FLED 397/597. Practicum. 1-3 cr. You may arrange for supervised practical experience as tutors, teacher's aides, etc. with cons instr and chair. Approx 45 hrs practice per cr. Subtitles will identify practicum.

FLED 398. Student Teaching in Foreign Language. 1-16 cr; pass/fail. Observation and teaching in secondary school classrooms under the guidance of cooperating teachers and university faculty. Subtitle will indicate specialization: French, German, Spanish, or English as a second language. Prereq: Completion of all methods courses and 75% of content courses in approp major. Con reg in approp section of EDUC 400 may be required.

FLED 399/599. Special Work. 1-3 cr. Individual study in second language teaching methods under faculty supervision. Prereq: Cons chair and instr.

FLED 400. Seminar on Teaching for Student Teachers. 1-2 cr; pass/fail. Structured group discussions for middle-level and secondary student/intern teachers on aspects of teaching that emerge during student teaching experience. Prereq: Con reg in 398 or 498.

FLED 498. Intern Teaching. Variable cr; pass/fail. Structured field experiences in approved school programs. Interns are certified by the DPI and are employed under contract with schools to design, deliver, and assess instructional programs in grades n-k-12. Prereq: Completion of all methods courses and 75% of content courses in approp major. Con reg in approp section of EDUC 400 may be required.

FLED 795. Practicum in Teaching ESL. 1-3 cr. Teach ESL learners and develop instructional activities using appropriate methods. May take twice with cons instr. Prereq: 544, cons instr.

Foreign Language Education Latent Courses: Not offered recently. See full course description in indicated (xx-xx) catalog. 533 Teaching Second Languages, 3 cr, (11-13)
733 Workshop in Second Language Education, 1-3 cr, (11-13)

Courses in Arabic

ARBC 101. First Year Arabic. 4 cr. For students with no previous training in the language. GDR: FL (BA BM/BFA), NW; GEP: GA

ARBC 102. First Year Arabic. 4 cr. Continuation of 101.

Prereq: 101 or cons instr. GDR: FL (BA BM/BFA), NW; GEP: GA
ARBC 211. Second Year Arabic. 4 cr. Intensive grammar review, practice in reading and speaking Arabic. Prereq: 102 or cons instr. GDR: NW; GEP: GA

ARBC 212. Second Year Arabic. 4 cr. Continuation of 211.

Prereq: 211 or cons instr. GDR: NW

Courses in Chinese

CHIN 101. First Year Chinese. 4 cr. Elementary modern Mandarin, for students with no previous training in the language. GDR: FL (BA BM/BFA), NW; GEP: GA

CHIN 102. First Year Chinese. 4 cr. Continuation of 101.

Prereq: 101 or equiv. GDR: FL (BA BM/BFA), NW; GEP: GA
CHIN 200; 201. Continuing Chinese. 4 cr each. Intermediate modern Mandarin. Further refinement of all language skills. Intermediate to advanced grammar development; knowledge of Chinese characters; development of reading and writing skills. Placement by ability. Prereq: 102 for 200; 200 for 201; 201 for 300; 300 for 301.

Chinese Latent Courses: Not offered recently. See full course description in indicated (xx-xx) catalog.

300; 301. Continuing Chinese, 4 cr, (07-09)

Courses in French

FREN 101. First Year French. 4 cr. For students with no previous training in the language, or by placement exam. GDR: FL BA BM/BFA

FREN 102. First Year French. 4 cr. Continuation of 101.

Prereq: 101, or by placement exam. GDR: FL BA BM/BFA

FREN 211. Second Year French. 4 cr. Intensive grammar review in reading and speaking. Prereq: 102, or by placement exam.

FREN 212. Second Year French. 4 cr. Continuation of 211.

Prereq: 211, or by placement exam.

FREN 313. Intermediate Conversation. 3 cr. Prereq: 212, or by placement exam.

FREN 314. Intermediate Composition. 3 cr. Prereq: 212, or by placement exam.

FREN 340. Introduction to French Literature. 3 cr. Intensive reading in French literature, methods of literary analysis of various genres; introduction to fundamental techniques of literary criticism. Subtitle will designate area. May repeat for credit with different subtitles. Prereq: 313 or 314. GDR: HU2; GEP: HU

FREN 345. Advanced Conversation and Composition (formerly 317). 3 cr. Subtitle will designate focus. May repeat once for credit with different subtitle. Prereq: 313 and 314, or cons chair.

FREN 355. French for the Professions (formerly 318). 3 cr. General knowledge of writing and reading material associated with the professions in French, emphasizing cultural differences between the U.S. and other countries. Example: writing business letters and preparing business-related documents. Subtitle will designate focus. May repeat for credit once with different subtitle. Prereq: 313 and 314, or cons instr.

FREN 420. Phonetics and Phonology (formerly 320). 3 cr.

Prereq: 313, or cons instr.

FREN 441. Survey of French Literature (formerly 341). 3 cr.

French literature to 1800. Prereq: 340 or cons instr.

FREN 442/642. Survey of French Literature (formerly 342). 3 cr. 19th century French literature to the present. Prereq: 340 or cons instr.

FREN 450. 17th Century Literature (formerly 350). 3 cr. Subtitle will designate focus. May repeat for credit with different subtitle.

Prereq: 340 or cons instr.

FREN 455. 18th Century Literature (formerly 355). 3 cr. Subtitle will designate focus. May repeat for credit with different subtitle.

Prereq: 340 or cons instr.

FREN 460. 19th Century Literature (formerly 360). 3 cr. Subtitle will designate focus. May repeat for credit with different subtitle.

Prereq: 340 or cons instr.

FREN 470/670. 20th Century Literature (formerly 370). 3 cr.

Subtitle will designate focus. May repeat for credit with different subtitle. Prereq: 340 or cons instr.

FREN 481/681. French Culture and Civilization (formerly 381).

3 cr. Subtitle will indicate focus. May repeat for credit with different subtitles. Prereq: 340 or cons instr. GDR: HU4; GEP: HU

FREN 493/693. Specialized Studies in French Literature. 1-3 cr.

Subtitle will designate focus such as: literary genre or group, recurrent literary theme, single author, comparison of two authors. Prereq: 300-level French literature course, or cons instr.

FREN 495. Capstone Seminar in Studies in French. 3 cr.

Subtitle will designate thematic focus which will pertain to French cultural studies and/or literature. Topics may include literary themes, literary genres, cultural topics both current and past pertaining to French culture in the broadest definition. Prereq: 340 and 481 or cons instr.

FREN 499. Independent Study. 1-4 cr. Individual study under faculty supervision. Prereq: Cons chair.

Courses in German

GERM 101. First Year German. 4 cr. For students with no previous training in the language, or by placement exam.

GDR: FL BA BM/BFA

GERM 102. First Year German. 4 cr. Continuation of 101.

Prereq: 101, or by placement exam. GDR: FL BA BM/BFA

GERM 211. Second Year German. 4 cr. Intensive grammar review. Prereq: 102, or by placement exam.

GERM 212. Second Year German. 4 cr. Continuation of 211.

Prereq: 211, or by placement exam.

GERM 243. German Literature in Translation. 3 cr. Selected readings; subtitle will indicate focus. May repeat for credit with different subtitles. Does not count toward German major/minor.

Prereq: So st or cons instr.

GERM 313. Intermediate Conversation. 3 cr. Prereq: 212, or by placement exam.

GERM 314. Intermediate Composition. 3 cr. Prereq: 212, or by placement exam.

GERM 340. Introduction to German Literature. 3 cr. Intensive reading, methods of literary analysis of various genres; introduction to fundamental techniques of literary criticism. Subtitle will designate area. May repeat ONCE for credit with a different subtitle. Prereq: 313 or 314. GDR: HU2; GEP: HU

GERM 345. Advanced Conversation and Composition (formerly 317). 3 cr. Subtitle will designate focus. May repeat once for credit with different subtitle. Prereq: 313 and 314, or cons chair.

GERM 355. German for the Professions (formerly 318). 3 cr. General knowledge of writing and reading material associated with the professions in German, emphasizing cultural differences between the U.S. and other countries. Example: writing business letters and preparing business-related documents. Subtitle will designate focus. May repeat for credit once with different subtitle. Prereq: 313 and 314, or cons instr.

GERM 420. Phonetics and Phonology (formerly 320). 3 cr. Prereq: 313, or cons instr.

GERM 455. 18th Century Literature (formerly 355). 3 cr. Selected readings. Subtitle will designate focus. May repeat for credit with different subtitle. Prereq: 340 or cons instr.

GERM 460. 19th Century Literature (formerly 360). 3 cr. Subtitle will designate focus. May repeat for credit with different subtitle. Prereq: 340 or cons instr.

GERM 470/670. 20th Century Literature (formerly 370). 3 cr. Subtitle will designate focus. May repeat for credit with different subtitle. Prereq: 340 or cons instr.

GERM 481/681. German Culture and Civilization (formerly 381). 3 cr. Subtitle will designate focus. May repeat for credit with different subtitle. Prereq: 340 or cons instr. GDR: HU4; GEP: HU

GERM 493/693. Specialized Studies in German Literature. 1-3 cr. Subtitle will designate focus such as: literary genre or group, recurrent literary theme, single author, comparison of two authors. Prereq: One 300 level German literature course and cons instr.

GERM 495. Capstone Seminar in Studies in German. 3 cr. Subtitle will designate thematic focus which will pertain to German cultural studies and/or literature. Topics may include literary themes, literary genres, cultural topics both current and past pertaining to German culture in the broadest definition. Prereq: 340 and 481 or cons instr.

GERM 499. Independent Study. 1-4 cr. Individual study under faculty supervision. Prereq: Cons chair.

Courses in Hmong

HMNG 101. First Year Hmong. 4 cr. For students with no previous training in the language or by placement. GDR: FL (BA BM/BFA), NW; GEP: GA

HMNG 102. First Year Hmong. 4 cr. Continuation of 101. Prereq: 101 or by placement exam. GDR: FL (BA BM/BFA), NW; GEP: GA

Courses in Hungarian

HNGN 101. First Year Hungarian. 4 cr. For students with no previous training in the language. GDR: FL BA BM/BFA

HNGN 102. First Year Hungarian. 4 cr. Continuation of Hungarian 101. Prereq: 101 GDR: FL BA BMBFA.

Courses in Japanese

JAPN 101. First Year Japanese. 4 cr. For students with no previous training in the language or by placement. GDR: FL I (BA BM/BFA), NW; GEP: GA

JAPN 102. First Year Japanese. 4 cr. Continuation of 101. Prereq: 101 or cons instr. GDR: FL (BA BM/BFA), NW; GEP: GA

JAPN 211. Second Year Japanese. 4-5 cr. Intensive grammar review, practice in reading and speaking Japanese. Prereq: 102 or cons instr. GDR: NW; GEP: GA

JAPN 212. Second Year Japanese. 4-5 cr. Continuation of 211. Prereq: 211 or cons instr. GDR: NW

JAPN 313. Intermediate Conversation and Composition. 3-5 cr. Continuing development of listening, speaking, reading and writing skills; grammar review. Prereq: 212 or cons instr. GDR: NW; GEP: GA

JAPN 314. Intermediate Conversation and Composition. 3-5 cr. Continuing development of listening, speaking, reading and writing skills; grammar review. Prereq: 313 or cons instr.

Courses in Latin

LATN 115. First Year Latin. 3 cr. For students with no previous training in the language, or by placement exam. Note: at three credits per semester, this course cannot fulfill the BA language requirement.

LATN 120. First Year Latin. 3 cr. For students who have completed LATN 115, or by placement exam. Note: at three credits per semester, this course cannot fulfill the BA language requirement.

Courses in Menominee

Menominee Latent Courses: Not offered recently. See full course description in indicated (xx-xx) catalog.

101 Beginning Menominee Language, 4 cr, (93-95)
102 Beginning Menominee Language, 4 cr, (93-95)

Courses in Polish

PLSH 101. First Year Polish. 4 cr. For students with no previous training in the language. GDR: FL BA BM/BFA

PLSH 102. First Year Polish. 4 cr. Continuation of 101. Prereq: 101, or equiv. GDR: FL BA BM/BFA

Polish Latent Courses: Not offered recently. See full course description in indicated (xx-xx) catalog.

211 Second Year Polish, 4 cr, (97-99)
212 Second Year Polish, 4 cr, (97-99)
293 Specialized Studies in Polish, 1-3 cr, (97-99)
300 Continuing Polish, 4 cr, (97-99)
301 Continuing Polish, 4 cr, (97-99)

Courses in Russian

RUSS 101. First Year Russian. 4 cr. For students with no previous training in the language. GDR: FL (BA BM/BFA), NW; GEP: GA

RUSS 102. First Year Russian. 4 cr. Continuation of 101. Prereq: 101, or by placement exam. GDR: FL (BA BM/BFA), NW; GEP: GA

RUSS 211. Second Year Russian. 4 cr. Intensive grammar review, practice in reading and speaking Russian. Prereq: 102, or by placement exam. GDR: NW; GEP: GA

RUSS 215. Continuing Russian. 4 cr. Intermediate-level grammatical structures for reading; the roots of Russian; verbs of motion. Subtitle will designate area. Prereq: 211. GDR: NW

RUSS 315. Continuing Russian. 4 cr. Advanced intermediate work. Content is varied so this course, as well as 215, can be taken by continuing students. Subtitle will designate area. Prereq: 216. GDR: NW

Russian Latent Courses: Not offered recently. See full course description in indicated (xx-xx) catalog.

216 Continuing Russian, 4 cr, (07-09)
316 Continuing Russian, 4 cr, (07-09)
360 19th Century Literature, 3 cr, (01-03)
370 20th Century Literature, 3 cr, (01-03)
381 Russian Culture and Civilization, 3 cr, (01-03)
493 Specialized Studies in Russian Literature, 1-3 cr, (01-03)
499 Independent Study, 1-4 cr, (01-03)

Courses in Spanish

SPAN 101. First Year Spanish. 4 cr. For students with no previous training in the language, or by placement exam. GDR: FL BA BM/BFA

SPAN 102. First Year Spanish. 4 cr. Continuation of 101. Prereq: 101, or by placement exam. GDR: FL BA BM/BFA

SPAN 211. Second Year Spanish. 4 cr. Intensive grammar review, practice in reading and speaking Spanish. Prereq: 102, or by placement exam.

SPAN 212. Second Year Spanish. 4 cr. Continuation of 211. Prereq: 211, or by placement exam.

SPAN 313. Intermediate Spanish Conversation. 3 cr. Prereq: 212, or by placement exam.

SPAN 314. Intermediate Spanish Composition. 3 cr. Prereq: 212, or by placement exam.

SPAN 340. Introduction to Literature. 3 cr. Intensive reading, methods of literary analysis of various genres; introduction to fundamental techniques of literary criticism. Subtitle will designate area. May repeat once for credit with a different subtitle. Prereq: 313 or 314. GDR: HU2; GEP: HU

SPAN 345. Advanced Conversation and Composition (formerly 317). 3 cr. Subtitle will designate focus. May repeat once for credit with different subtitle. Prereq: 313 and 314, or cons chair.

SPAN 355. Spanish for the Professions (formerly 318). 3 cr. General knowledge of writing and reading material associated with the professions in Spanish-speaking countries, emphasizing cultural differences between U.S. and other countries. Example: writing business letters and preparing business-related documents. Subtitle designates focus. May repeat for credit once with different subtitle. Prereq: 313 and 314, or cons instr.

SPAN 420. Phonetics and Phonology (formerly 320). 3 cr. Prereq: 313, or cons instr.

SPAN 441. Survey of Spanish Literature (formerly 341). 3 cr. Spanish literature from the earliest works to 1800. Prereq: 340 or cons instr.

SPAN 442. Survey of Spanish Literature (formerly 342). 3 cr. Spanish literature from 1800 to the present. Prereq: 340 or cons instr.

SPAN 453. Survey of Spanish American Literature (formerly 353). 3 cr. From chronicles to modernism. Prereq: 340 or cons instr.

SPAN 454. Survey of Spanish American Literature (formerly 354). 3 cr. From modernism to the present. Prereq: 340 or cons instr.

SPAN 480. La Literatura de Los Chicanos. 3 cr. Advanced literary analysis of Chicano poetry, narrative, drama, and essays. Prereq: One 300-level Spanish literature course or cons instr. GDR: MNS; GEP: USD

SPAN 481. Spanish Culture and Civilization (formerly 381). 3 cr. Subtitle will designate focus. May be repeated for credit with different subtitles. Prereq: 340 or cons instr. GDR: HU4; GEP: HU

SPAN 482. Hispanic Culture and Civilization in the U.S. (formerly 382). 3 cr. The historical background, current status, literary and artistic works of Mexican-American, Puerto Rican, and Cuban-American residents of the continental United States. Prereq: 340 or cons instr. GDR: HU4, MNS; GEP: HU, USD

SPAN 483. Spanish American Culture and Civilization (formerly 383). 3 cr. Subtitle will designate focus. May repeat for credit with different subtitle. Prereq: 340 or cons instr. GDR: HU4, NW; GEP: GA, HU

SPAN 490. Los Dramas de La Latinoamérica Contemporánea. 3 cr. Advanced literary analysis of one-act contemporary Latin American dramas. Prereq: One 300-level Spanish lit course, or cons instr.

SPAN 493/693. Specialized Studies in Spanish or Spanish-American Literature. 1-3 cr. Subtitle will designate focus such as: literary genre or group, recurrent literary theme, single author, comparison of two authors. May repeat for credit with different subtitle. Prereq: One 300 level Spanish literature course or cons instr.

SPAN 495. Capstone Seminar in Studies in Spanish. 3 cr. Subtitle will designate thematic focus which will pertain to Spanish cultural studies and/or literature. Topics may include literary themes, literary genres, cultural topics both current and past pertaining to Spanish culture in the broadest definition. Prereq: 340 and 481, 482, 483 or cons instr.

SPAN 499. Independent Study. 1-4 cr. Individual study under faculty supervision. Prereq: Cons chair.

Spanish Latent Courses: Not offered recently. See full course description in indicated (xx-xx) catalog.

451/651 Cervantes, 3 cr, (01-03)

460 19th Century Spanish Literature, 3 cr, (03-05)

470/670 20th Century Spanish Literature. 2-3 cr, (07-09)

471 20th Century Spanish-American Literature, 2-3 cr (07-09)

WRITING

See [English](#).

YOUTH PROGRAMMING AND CAMP MANAGEMENT

See [Natural Resources-Human Dimensions of Natural Resource Management](#).

ZOOLOGY

See [Biology](#).

Graduate Study

Graduate Degree Programs

At UW-Stevens Point you may select among accredited programs leading to these graduate degrees:

Master of Arts in Communication
 Master of Music Education
 Master of Science in Communicative Disorders
 with specialization in speech-language pathology
 Master of Science in Education-General
 Master of Science in Education-Elementary Education
 Master of Science in Community & Organizational
 Leadership
 Master of Science in Natural Resources
 Master of Science in Nutritional Sciences
 Master of Science in Teaching with specialization
 in biology, English, reading certification in English,
 or history.

Clinical Doctorate in Audiology (Au.D.) with UW-Madison
 In addition, you may take part in programs offered
 through UW-Stevens Point's cooperative arrangement
 with UW-Oshkosh that lead to the:

Master of Business Administration

You may also take part in programs offered through
 UW-Stevens Point's cooperative arrangements with
 UW-Superior that lead to the:

Master of Science in Education—Educational
 Administration or Specialist in
 Education—Educational Administration.

Responsibility and Policy

The graduate faculty, through the Graduate Council and
 Faculty Senate, establish general requirements for
 graduate degrees. Each department offering a graduate
 program establishes discipline specific degree
 requirements.

Graduate Study policies intend to:

1. facilitate orderly progress of graduate students
 through their degree programs;
2. meet expectations of accrediting agencies, other
 graduate schools, and the University of Wisconsin
 Board of Regents;
3. provide a common university standard and
 encourage the development of quality programs.

As a graduate student, it is your responsibility to become
 aware of and abide by graduate study policies. Every
 effort will be made by graduate study personnel,
 coordinators, and advisers to aid you as you progress
 through your graduate career at UW-Stevens Point.

Graduate Study: Faculty and Structure

Graduate Faculty. Members of the graduate faculty
 have all earned terminal degrees (or equivalent), hold
 the rank of assistant professor or higher, and have
 successful teaching experience or continuing evidence
 of scholarly achievement and professional activity in
 their disciplines. They are nominated by their
 departments and are approved by the UW-Stevens Point
 Graduate Council. Graduate faculty status allows

individuals to regularly teach graduate courses, be
 actively involved in graduate affairs, and chair graduate
 students' committees. Graduate faculty members have a
 (G) following their individual listings that appear at
[www.uwsp.edu/acadaff/Catalog%20PDF/
 UWSP_Faculty_Staff_current.pdf](http://www.uwsp.edu/acadaff/Catalog%20PDF/UWSP_Faculty_Staff_current.pdf). Please check with
 your department for names of graduate faculty who are
 eligible to chair graduate students' committees.

Graduate Council. The Graduate Council is a standing
 committee of the Faculty Senate. As the representative
 body of the graduate faculty, the Graduate Council has
 the authority to recommend and determine policies
 related to the graduate programs of the university
 (subject to review by the Faculty Senate).

Departmental Graduate Committees/Coordinators.

Most of the larger departments offering graduate
 degrees have graduate committees and/or a graduate
 coordinator to deal with policy matters related
 specifically to their graduate degree programs. These
 committees/ coordinators handle general departmental
 concerns, and they should not be confused with your
 personal graduate committee and your graduate adviser.
 Departmental graduate committees/ coordinators serve
 ALL of the graduate students in the department. Your
 graduate adviser and your graduate committee serve
 YOU.

UW-Stevens Point does not have a dedicated office for
 handling graduate student issues and administration.
 When you have questions about a specific degree
 program, go to the department graduate committee or
 coordinator first. You will find that these coordinators or
 committees are a valuable resource of information.

Student/University Relationships

Freedoms and Responsibilities. The university
 assumes that graduate students have intellectual
 maturity and a sense of commitment to the academic
 community. The freedoms and responsibilities listed
 below are general guidelines for your relationship to the
 university.

As a graduate student you are **FREE**:

- to express yourself freely in the classroom and take
 reasoned exception to the data and views presented
 in any course.
- from prejudiced or capricious academic evaluation.
- from disclosure of views or beliefs presented to an
 instructor during graduate study, except with your
 consent.
- to organize and join associations to promote your
 common interests.
- to examine and discuss questions of interest both
 publicly and privately.
- exercise the rights you enjoy as citizens (the
 freedom of speech, peaceful assembly, and rights of
 petition) without interference from the university.

As a graduate student you have the **RESPONSIBILITY**:

- to help maintain the atmosphere of free inquiry and free expression inherent in the academic community.
- to respect the right of other members of the community to express themselves freely.
- to observe scrupulous standards of intellectual honesty.

Graduate Study Academic Ethics. Only work that is solely yours may be submitted to a professor in the form of an examination paper, weekly coursework, term paper, class project, research project, or thesis, unless the instructor specifically authorizes group work. This expectation applies to all work submitted.

Cheating and plagiarism are prohibited. Plagiarism is the process of stealing or passing off as your own someone else's words or ideas, or presenting as your own an idea or product obtained from an existing source. To avoid any appearance of plagiarism or accidental plagiarism, it is important that you learn correct citation procedures for your discipline and your classes. The plea of ignorance regarding citation procedures or of carelessness in citation is no defense against allegations of plagiarism.

You may not:

- purchase papers from commercial sources.
- use a single paper to meet the requirements of more than one course unless the professors of the courses approve.
- submit a paper or project completed by someone else.

If you engage in academic misconduct will be subject to UW System disciplinary procedures.

Research Misconduct Policy

Standards of Conduct. As a researcher, you are expected to retain appropriate documentation for your research and adhere to accepted ethical standards appropriate to your academic discipline.

Definition of Research Misconduct. Misconduct is intentional falsification of data, plagiarism, or other practices that deviate from common research practice within the academic community for proposing, conducting, or reporting research. Honest error and differences in interpretation of data are not considered misconduct. Misconduct is prohibited at UW-Stevens Point and may be cause for discipline or dismissal.

Reporting Research Misconduct. Research collaborators, colleagues, and anyone who has reason to believe that research misconduct has occurred are responsible for reporting the misconduct. Retaliation because of good faith reporting of misconduct is prohibited. However, individuals found to have brought allegations of a frivolous and/or malicious nature are subject to the same range of disciplinary action as those who are found guilty of this policy.

Research Misconduct Procedures for Culminating Experiences:

- A. Report allegations in writing to the dean of the appropriate college. The accused and the dean of his/her college will be informed in writing within

10 days of the allegation: (1) that he/she is being investigated, (2) exactly what the allegations are, and (3) the identity of the accuser.

- B. The dean of the college will undertake a prompt and discreet inquiry. All matters pertaining to the investigation and evidence supplied will be kept in strict confidence. An inquiry consists of information gathering and preliminary fact-finding to determine whether an allegation or apparent instance of misconduct warrants an investigation. The initial inquiry will be completed within 60 days from the time allegations were made to the dean.
- C. If the inquiry concludes that the allegation of misconduct is unsubstantiated, and an investigation is not warranted, the reasons and supporting documentation for this conclusion will be reported to the chancellor, who will be responsible for reviewing the conclusion of the inquiry. If the chancellor concurs in the conclusion that an investigation is not warranted, his/her determination, and all other supporting documentation from the inquiry will be recorded and the record maintained confidentially for a period of three years after the termination of the inquiry.
- D. If the preliminary inquiry finds reasonable cause to believe allegations are not frivolous or misguided, the matter will be referred to an ad hoc committee appointed by the dean for formal investigation. The accused will be given a copy of the report of the dean's inquiry. The committee members will be knowledgeable about the researcher's area of inquiry, but will not be involved with the research in question or in competition with the accused. It may be necessary or advisable in certain situations to invite researchers from other institutions to participate. The investigation must be initiated within 30 days of completion of the inquiry. If the research has been supported by extramural funds, federal agencies require notification that a formal investigation is underway.
1. The ad hoc committee will determine whether misconduct has taken place and assess its extent and consequences.
 2. If the ad hoc committee finds the charges to be true, regular governance procedures will be followed by the dean of the college in consultation with the associate vice chancellor in determining the proper course of action. Recommendations may range from reprimand to dismissal depending upon the seriousness of the misconduct. The investigation should ordinarily be completed within 120 days of its initiation.
 3. A copy of the ad hoc committee's preliminary report will be provided to the individual being investigated. The dean shall give the individual an opportunity to discuss the matter with the ad hoc committee and himself/ herself before any action is taken under D2 of this policy. The individual may reply in writing to the committee.

These replies will be attached to the committee's report.

4. Appropriate agencies and journals will be notified by the dean of the college of the ad hoc committee's findings if the committee finds that misconduct is substantiated.
5. If the misconduct is not substantiated, extensive efforts will be made to restore the reputation of the accused.

Academic Misconduct Procedures for Graduate Coursework:

As a graduate student, if you plagiarize or engage in academic misconduct within any aspect of your graduate coursework, you will be subject to academic misconduct sanctions as outlined in UWS 14.

Research Using Human Subjects. All graduate student research using humans as subjects, whether funded or not, must be approved by the university's Institutional Review Board (IRB) to ensure compliance with the state of Wisconsin Department of Health and Human Services (DHHS) Guidelines on Research Involving Human Beings (45 CFR 46), and UW System principles concerning research on human beings as subjects.

Copyrights and Patents. Any copyrights you obtain as a graduate student on your original works (theses, educational products, research papers) belong to you except when they are subject to prior agreements between the university and extramural sponsors. You have complete ownership and control of any patents that result from inventions you make as a graduate student at UW-Stevens Point. However, you must honor any contractual rights of extramural sponsors if you develop an invention while being financially supported through a grant or contract. To ensure such sponsor rights, you should sign a patent agreement with the external agency at the beginning of your assistantship. Contact the associate vice chancellor for Academic Affairs if you have any questions regarding inventions or patents.

Admission to Graduate Study

There are three admission categories designed to meet your graduate needs.

Graduate Regular: If you wish to pursue a master's degree at UW-Stevens Point, you will need to be formally admitted to the university as a graduate regular student. Submit to the Admissions Office (or apply online) a completed graduate study application form, the nonrefundable application fee (**\$56 domestic applicants; \$125 foreign applicants**), and official transcripts from each college you have attended (both undergraduate and graduate). The transcript from the college from which you graduated must certify that you have received your baccalaureate degree. Upon receipt of your completed application file, the Admissions Office will forward your application materials to the coordinator of your intended graduate program. You may then be asked to submit additional application materials to the graduate program coordinator of your intended program.

Graduate Special: If you wish to take graduate courses but do not wish to pursue a master's degree at

UW-Stevens Point, you may register as a student with graduate special status. To attend UW-Stevens Point as a student with graduate special status, you must hold a bachelor's degree from an accredited institution. You do not need to complete a formal application process. You will be granted graduate special status when you register for classes.

As a graduate special student you can enroll in graduate-level courses and receive graduate credit for teacher certification requirements or for personal enrichment. A maximum of 9 credits can apply toward a master's degree provided they are approved by your adviser and fit within the seven-year time period. If you decide to pursue a master's degree, it is in your best interest to change your status to graduate regular as soon as possible.

Graduate Guest: If you wish to apply credits taken at UW-Stevens Point toward a graduate degree at another institution, you are neither evaluated nor formally admitted to UW-Stevens Point, but are permitted to enroll in specific courses with the approval of your graduate adviser at the other institution. This procedure assures that credits taken at UW-Stevens Point will transfer properly to another institution.

Admission Status and Your Specific Degree Program

Successful admission to Graduate Study requires admission to a specific degree program. Most graduate programs require additional application criteria such as letters of reference, personal interviews, standardized test scores, verification of certification, etc. You should contact the graduate coordinator in your discipline for these additional requirements. The Admissions Office forwards your graduate study application file to the graduate coordinator of your designated program area for final consideration for admission to that particular program.

Admission to Candidacy

Admission to a specific degree program does not automatically make you a candidate for a master's degree. You must meet residency and evaluation requirements before you are a degree candidate. The formal admission to candidacy process varies from one program to another, but generally you must:

- earn at least 9 credits in residence at UW-Stevens Point.
- remove any academic deficiencies and/or complete all subject matter prerequisites.
- maintain at least a 3.00 (B) grade point average.
- select a graduate adviser (and a graduate committee if required by your discipline).
- complete and get approval for your Program of Study.

Graduate Adviser

When you first enter your graduate program, you will probably be assisted by a departmental graduate adviser who counsels all incoming graduate students. In some of

our graduate programs this person continues to advise all students in the program until the degree is nearly completed. In other programs, you will need your own personal adviser who may also be known as your "major professor." This individual plays a key role in guiding you through your graduate career. Your graduate adviser should act as a personal adviser, mentor, advocate, constructive critic, and friend. Your graduate adviser is the person who should "go to bat" for you when you encounter problems with your program plan, courses, and/or research.

Selecting a Graduate Committee

Your graduate adviser may be required to use other graduate faculty to make final decisions about the acceptability of your program plan and the quality of your thesis, if you choose to write one. Therefore, give careful consideration to your choice of these critical advisers who will form your graduate committee. The graduate coordinator or your graduate adviser normally assists in this process.

The graduate committee consists of at least three graduate faculty members including your graduate adviser. Try to ask a person from outside your major discipline area to serve on your committee. A nongraduate faculty member who possesses expertise particularly relevant to your field of study may be appointed as a special extra member.

Your graduate adviser and/or the graduate committee is responsible for supervising your Program of Study and should:

- guide you in an appropriate selection of courses and experiences to ensure that you are aware of all relevant material necessary for a complete understanding of your chosen field of study. This not only includes concentration of coursework in your major area of interest, but also selecting courses to bridge the gaps you may have in your previous educational experiences. This may require you to take some undergraduate courses to make up for deficiencies.
- determine whether you have accumulated and demonstrated sufficient ability to engage in the analytic process of problem solving. A graduate degree entails more than just taking additional courses within a major. You will be expected to demonstrate your ability to synthesize the new knowledge you have gained in your graduate courses and apply this knowledge to solve contemporary problems.
- make certain that if you elect to write a thesis it is consistent with the degree, confronts the interdisciplinary relationships of your subject area, and focuses on problem-solving methodology.

Your graduate committee members, including your graduate adviser, will be listed on your Program of Study form. They must sign this form indicating their approval of your graduate program plan. If you desire a change in the composition of your committee, it is your

responsibility to explain to the current committee members why the change is desirable or necessary. If the change is acceptable to the outgoing and incoming professors, you should then notify the graduate coordinator for your department, school, or college to complete the transfer of committee members.

Program of Study

You and your graduate adviser jointly develop a Program of Study that is primarily a listing of courses and other experiences that will be required for your degree. It is personally designed for you, taking into account previous academic strengths and weaknesses as well as your career goals. This plan is outlined on the Program of Study form that, once approved, becomes a contract-like agreement between you and the university. It is important that this agreement be made before you have accumulated 15 credits, since it is intended to be a realistic plan and defines all requirements necessary to complete your degree.

The Program of Study may include courses, both graduate and undergraduate, that are designed to add to your expertise or to correct deficiencies. These are in addition to the **minimum of 30 graduate credits required of master's degree candidates**. The Program of Study also lists when courses are to be taken, the tentative title and completion date of the thesis or product, tentative dates for final examination and graduation, etc.

You may make minor changes in your approved Program of Study with the approval of your graduate adviser in consultation with the graduate committee members. Major changes such as course substitutions, changing of committee members, changing from thesis to nonthesis, etc. require formal concurrence of you, your major professor, your graduate committee, and the graduate coordinator of your department, school, or college.

General Requirements for Master's Degrees and Clinical Doctorate Degree

- Have a maximum of 9 credits completed at the time of admission.
- Complete a minimum of 30 credits in graduate courses (Communication, 30 cr + 1 credit colloquium), (Communicative Disorders, 37 cr + 21 cr practicum).
- Take at least 15 credits in courses numbered 700 and above.
- Have an approved Program of Study on file with your adviser and the graduate coordinator of your department, school, or college before you complete 15 credit hours toward the degree.
- Maintain a minimum overall grade point average (GPA) of 3.00.
- Apply no more than 6 credits total in special topics courses and independent study courses toward your master's degree.

- Successfully complete a culminating experience.

All credits accepted toward a degree, including transfer credits, must be **earned within a seven-year period**. The time period starts with the beginning of the term in which the first course approved for your Program of Study was taken. For example: You are accepted into a UW-Stevens Point graduate program in fall 2007. Part of your approved plan of study for your master's degree includes a course taken in spring 2005. Thus, your seven-year time period to complete the degree starts with the beginning of the spring 2005 semester, NOT the semester in which you were accepted into your graduate program. Requirements for All Master of Science in Teaching (MST) Degrees

In addition to the general requirements of all master's degrees, the MST degree has the following requirements:

- Be eligible for teacher certification in your area of specialization (biology, English, history) in Wisconsin or another state.
- Complete a minimum of 30 graduate credits distributed among:
 - Group I:** Major area of specialization, 18-24 credits. These courses provide additional depth in your teaching field and increase familiarity with new knowledge, problems, and trends.
 - Group II:** Professional education, 6-9 credits. These courses enhance your understanding of education and improve performance in the art of teaching.
 - Group III:** Liberal studies, 0-6 credits. These courses are taken outside the content area of your specialization and broaden your knowledge and outlook.
- Complete, at minimum, the equivalent of a major in your area of specialization at the completion of the graduate program.
- Have a minimum grade point average of 3.00 in your area of specialization at the time of graduation.

Academic Information

Academic Standards and Probation for Graduate Study

You must maintain at least a B average (3.00 grade point average) to remain in good standing in a graduate program. Graduate regular students who fail to maintain at least a B average will be placed on probation. You must raise your overall grade point average to a B or better with the next 9 graduate credits you take. While on academic probation you cannot carry a graduate assistantship appointment or be admitted to candidacy for a degree. If you fail to raise the overall grade point, you will be dropped from your degree program and will be automatically reclassified as a graduate special student.

Grades of C will be accepted in no more than 8 of the 30 credits that apply toward a degree. Coursework with a grade below C may not be used to satisfy graduate

degree requirements. You may not repeat a course unless you get approval from the dean of the college offering the course. For courses taken at this university, only the credit and grade earned in your second attempt will be figured into your grade point average, but the original grades are not taken off your record. If you plan to repeat a course, pick up a request to repeat a course form from the Enrollment Services Center and have it approved by the appropriate dean.

If you need to take extra credits to raise your grade point average, you may take only 6 credits beyond the 30 credit minimum requirements for the degree.

Incomplete and Pass/Fail Grades. You must remove a grade of incomplete before the end of the next semester. If not, it automatically becomes a failure unless it is a culminating experience course. Normally courses with pass/fail grades do not apply to a graduate degree program. For exceptions, see the description of individual graduate degree programs.

Academic Progress Standards for Grad Students Receiving Financial Aid

You will maintain satisfactory academic progress for financial aid eligibility if you receive grades of A-C in 75 percent of the total graduate semester hours for which you are enrolled at UW-Stevens Point.

Your academic progress is determined each year in June. If you are not making satisfactory academic progress, you will be ineligible to receive financial aid until such time as you earn a sufficient number of credits to be making satisfactory academic progress. Additional conditions apply:

1. "Total graduate semester hours for which enrolled" is defined as all the graduate credits for which you receive a grade of A, B, C, D, F, I, GP, P, W, or WF. Plus and minus grades are included.
2. These standards are applied after you have accumulated 9 or more "semester hours enrolled."
3. Incomplete grades in thesis courses are excluded.
4. Transfer credits are excluded.
5. According to federal regulations, you are no longer eligible for financial aid after you attempt more than 48 graduate credits for a master's degree.
6. If you re-enter after being out of school one or more semesters, you must be making satisfactory academic progress at the time you re-enter in order to qualify for financial aid.
7. If you are ineligible for financial aid due to unsatisfactory academic progress, you may appeal to the dean of your college for special consideration if you feel your lack of progress is due to extenuating circumstances.

Active/Inactive Status

Admission to a graduate program is usually granted to begin graduate coursework in a specific term (semester or summer session). If you delay your enrollment beyond the specific term of your admission (or if your admission

letter does not include a specific term of admission), contact the Admissions Office to find out what will be needed to enroll in a future term.

If you do not earn any graduate credit for a period of five consecutive terms, you will be considered inactive and must be readmitted before enrolling. Inactive students who reapply must meet admission standards and degree requirements that are in effect at the time of readmission.

Courses

The courses approved for graduate credit are listed in the undergraduate [Courses of Instruction](#) section of this catalog by academic department. All courses in your approved Program of Study will be in the 500-999 group. You must have graduate standing to take courses 700 and above.

When you take dual numbered courses (300/500 and 400/600) as a graduate student you must meet at least one additional qualitative objective beyond the requirements for the undergraduate students in the same course. This might be a research project with a written and/or oral report, a term paper, a seminar or presentation given to the class, a product that can be used in class and shared with others, an essay or oral examination instead of an objective examination, etc. These additional qualitative objectives should be included in the course syllabus.

In addition, faculty members teaching dual numbered courses should use instruction methods that involve dialogue, student discussion/presentation. Where this is not feasible for the entire class, there should be additional discussion/seminar sessions for graduate students.

Coursework Criteria/Graduate Level

1. Graduate coursework has a greater level of academic/ intellectual rigor, is more specialized, and requires significantly greater depth and intensity of study than does UW-Stevens Point undergraduate coursework.
2. Graduate coursework involves a balance of theory and practice. Some courses in a master's program will place more emphasis on theory while others will emphasize practice.
3. The methods of instruction in graduate courses reflect a high level of personal interaction between the instructor and individual students. This requires small graduate course sections, regular and personalized advising, and interactive teaching methods.
4. Graduate coursework requires more student self-directed learning than found in undergraduate courses and requires extensive use of learning resources that include but are not limited to library resources, laboratories, and computer facilities.
5. Graduate coursework focuses on advanced disciplinary content, usually an extension of what was presented at the undergraduate level. When

graduate work serves an introductory function, it introduces content that is not offered at the undergraduate level but is dependent upon understandings acquired at the lower level. However, introductory graduate coursework may also be used in an accelerated way to create a basic background for an individual with an undergraduate degree in another field or who lacks background from undergraduate preparation.

6. All graduate coursework should contribute to degree program goals.
7. Grades assigned in graduate courses distinguish between levels of achievement at the graduate level.
8. Graduate courses should only be taught by graduate faculty or by those with similar qualifications. Evidence of graduate level coursework should be present in the form of specific, additional assignments when part of a slash (300/500 or 400/600) course.

Credit Load and Limitations

You should register for credit any time you use the physical or personnel resources of the university to fulfill the requirements of your degree program. You can register on a per credit basis when you are doing research and/or working on a project, paper, or thesis at UW-Stevens Point. The instructor or graduate adviser determines the number of credits according to the scope of the project.

The normal graduate course load for a semester is 9 to 12 credits. If you register for 9 or more credits you are considered a full-time graduate student. Undergraduate credits count when determining your credit load. Once you have completed all degree requirements except for your thesis, we consider you full time for one semester while you work on your thesis.

You may register for no more than 15 credits during the semester and no more than 9 credits (6 credits in any four week period) for the summer session. If there are exceptional circumstances, you can appeal to the dean of your college for permission to carry more than the maximum load. To do this you will need to submit an overload form for your dean's signature BEFORE you register for the overload. You will not be allowed to register unless your overload has had prior approval.

The normal graduate course load for the eight week summer session is 6 credits (3 credits in each four week term or 6 credits in the eight week term). If you register for 5 or more credits in the summer you are considered a full-time graduate student. You may register for up to 9 credits in the summer. However, be aware that the concentrated nature of summer courses with the extra commitment of time and energy places a strain on your academic performance. Taking more than 6 credits in summer is not advised.

If you are supported by a full-time assistantship, we expect you to devote at least half of your time to your assistantship duties. Therefore, you should enroll for a maximum of 9 credits per semester.

You do not need to be registered during the semester of your graduation. However, some programs require you to be enrolled in thesis or project credits each semester in order to maintain your status as a degree candidate. If your last semester only involves completing your thesis, you may enroll in **Research 798** with the approval of your graduate adviser and graduate program coordinator. This zero credit "course" will allow you to use email, retain graduate student library privileges, and postpone federal loan payments. Or if necessary, the registrar will write a letter certifying that your thesis work involves at least 50 percent of your time.

Culminating Experience for Graduate Study

You must successfully complete a culminating experience. The individual colleges or departments determine the nature of this experience subject to approval by the Graduate Council. Examples of experiences meeting this requirement include: thesis, seminar paper, oral and/or written comprehensive examination, clinical paper or semester, integrative course, exhibition, or recital. Most programs will require more than one of these experiences.

Degree Completion Time Limit

All credits accepted toward a degree, including transfer credits, must be **earned within a seven-year period**. The time period starts with the beginning of the term in which the first course approved for your program of study was taken. For example: You are accepted into a UW-Stevens Point graduate program in fall 2007. Part of your approved plan of study for your master's degree includes a course taken in spring 2005. Thus, your seven-year time period to complete the degree starts with the beginning of the spring 2005 semester, NOT the semester in which you were accepted into your graduate program.

Drop/Add Procedure

Go to the [More Academic Information](#) section of this catalog for drop/add (change of registration) instructions. Get drop/add forms at the Enrollment Services Center, 106 SSC, or go online at: www.uwsp.edu/regrec/Pages/forms.aspx (select the desired term).

Employed Students

If you are employed, you should consider the time demands of your job when planning an academic program. Certain fellowships, assistantships, and scholarships specifically limit other employment. You have the obligation to learn these restrictions and abide by them if you receive one of these awards. As a graduate student at UW-Stevens Point, you are considered a student first. Employment within or outside of the university is of secondary consideration when determining the time devoted to the academic program.

Fees Assessments for Graduate Credits

Graduate fees are assessed for graduate credits. Undergraduate fees are assessed for all undergraduate credits.

During your last undergraduate semester you may register for graduate credits as long as all requirements for the completion of your bachelor's degree will be met.

To do this, complete the Undergraduate/Graduate Split Program Status form from the Enrollment Services Center. You pay graduate fees for graduate credits taken during the split program period. Please note there is no guarantee that these credits will be accepted into a master's program.

Grading Standards

According to Graduate Study policy:

- A Indicates superior work.
- B Indicates satisfactory but undistinguished work.
- C Indicates work below the standard expected of graduate students.
- D/F Clearly indicates unsatisfactory work and does not apply toward your degree.
- GP Indicates thesis and thesis-like courses in progress.

Graduation Requirements & Deadlines

You may apply for graduation online at: www.uwsp.edu/regrec/Pages/graduation.aspx. Submit an application before the start of your last semester. Complete all requirements by the end of your graduation term. If they are not completed by then, you must complete a new application for the next term in which you expect to graduate. There is a onetime graduation fee of \$50.00.

You should check with your adviser and graduate program coordinator by the middle of your last term to be sure your file is complete except for the elements you know are outstanding, e.g. current courses, thesis approval, etc.

Since there is no August commencement, you may choose to participate in the prior May or following December ceremonies. Notify the Office of the Registrar at least two months before the commencement you wish to be in to allow time to include your name in the program book.

Incompletes – Graduate Study

A grade of incomplete indicates that you have done satisfactory work in the course, but because of circumstances beyond your control, you have been unable to finish all requirements. The incomplete is not given to enable you to do additional work to bring up a deficient grade. A grade of incomplete must be removed before the end of the next semester. Except for culminating experience courses, if the incomplete is not removed within that time, it automatically becomes a failure.

Registration Information

For current registration procedures, go to the Enrollment Services Center homepage (www.uwsp.edu/enrollmentservices/). Click on "Register for Classes." Registration instructions for off-campus and credit-outreach courses are available from the UWSP Continuing Education office and the CPS Continuing Education office. See www.uwsp.edu/conted; or www.uwsp.edu/cps/conted for more information.

Schedule of Classes

Be sure to check the online timetable available from the Enrollment Services Center website (www.uwsp.edu/enrollmentservices/). Click on "Class Search" to view available courses listed by term. Note that not all of the courses listed in the catalog are offered each semester. You should consult the timetable and your department chair when planning for registration in any given term.

Second Master's Degree

If you have earned a graduate degree from UW-Stevens Point and wish to pursue another degree, you must submit a new application for admission. Normally, you do not need to furnish transcripts or other credentials previously submitted. Check with Admissions Office to be certain that your records are complete. *Credits earned for one degree usually cannot be used to satisfy requirements for a second degree.*

The Thesis

Some degree plans require a thesis. After you select a research topic, submit a proposal to your graduate adviser briefly describing what you want to do and how you plan to do it. Your graduate adviser and thesis committee review your proposal, determine how many credits (up to 6) you earn for the thesis, and approve or reject your proposal.

A thesis is a formal written work and should follow the standards of the style manual preferred by your department. Also consult the Graduate Study Thesis Manual and your graduate adviser for proper format. If you are working on your thesis the equivalent of half time and not enrolled in other classes, you may enroll in **Research 798** with the approval of your graduate adviser and graduate program coordinator. This zero credit "course" will allow you to use email, retain graduate student library privileges, and postpone federal loan payments.

As a degree candidate, you defend your thesis in an open, public oral examination at least 30 days before you expect to graduate. Your thesis committee conducts the exam.

You must deposit a **bound** and an electronic copy of your thesis at the University Library in order to complete your degree. The library provides a service for binding your thesis at a nominal cost.

TRANSCRIPTS

See [More Academic Information \(front of catalog\)](#).

Transferring Graduate Credits

UW-Stevens Point does not automatically accept transfer graduate credits from other institutions. You must submit a formal application for approval of such credits. While credits taken prior to admission to a graduate degree program may be considered at the discretion of the coordinator of that program, in most cases you should obtain approval for any transfer credit **PRIOR** to taking those courses. The graduate coordinator for each program will determine the acceptability of transfer credits using the following criteria:

- The course must be from an institution regionally accredited **at the graduate level**.
- You must have taken the course for graduate credit at the offering institution.
- The course must be acceptable toward fulfilling degree requirements at the institution offering the course.
- The format and number of contact minutes (minimum of 800 minutes instructional time per credit) must be at least as rigorous as those for UW-Stevens Point grad courses.
- One credit per week is accepted.
- The course may not be a correspondence and/or mass media course, independent study course, or from extension divisions outside the UW System. Continuing Education Units (CEUs) are not equivalent degree credits and are not transferable.
- Acceptance of the course does not make you exceed the 9 credit transfer limit.
- A maximum of 9 credits taken with graduate special status will apply toward a degree.
- You must have earned grades of A, B, or equivalent.
- You may not transfer credit applied toward another degree that you have already obtained.

If your graduate coordinator determines that the transfer course meets these minimum criteria, she/he may:

- Accept the transfer course and have the credits apply toward your Program of Study.
- Accept the transfer course as an addition to the normal 30-credit Program of Study.
- Accept the course as either applying to your degree plan or as an addition to the degree plan, but at a reduced credit level if the course does not meet UW-System's contact-hour-per-credit standards.

You must **complete a formal application for approval** of transfer credits before graduate credits from any institution other than UW-Stevens Point can be considered. File the application for transfer credits with your graduate coordinator at least a month before the class begins. Your application must include (1) a copy of the catalog course description, (2) a course syllabus (if available), (3) verification that the course is a graduate course, (4) and verification that it applies to a graduate program at the institution offering the course.

After your graduate coordinator approves the transfer credit application, a copy will be sent to the Office of the Registrar. The transfer credits will be added to your record after receiving an official transcript indicating completion of the course with at least a B (3.00). You will be notified when this is completed.

UWSP Continuing Education

(also see [More Academic Information](#) section of catalog)

Room 032 Main Building

Hours: 8:00 am-4:30 pm, Monday-Friday

Phone: 715-346-3838 or 800-898-9472

Web: www.uwsp.edu/conted

CPS-Continuing Education (CPS-CE)

Room 100, College of Professional Studies Building

Phone: 715-346-3801 and 715-346-4782

Web: www.uwsp.edu/cps/conted

Credit courses are taught by faculty at various locations throughout Central Wisconsin, as well as online and via television and video. Courses are designed to meet needs of returning adult learners who are pursuing certificates, degrees, or other professional development while still in the workplace.

Withdrawing from Classes

When you withdraw, you terminate your complete registration for the semester. To withdraw, go to the Enrollment Services Center and file a formal notice of withdrawal. If you stop attending classes and do not officially withdraw, you will be considered as still registered and receive a grade of F for each of your classes. Please see the section on [Withdrawing from the University](#) earlier in this Catalog for more information.

Financial Information

Graduate Assistantships: General Information

The Board of Regents of the University of Wisconsin System provides the financial resources for a number of graduate assistantships. In addition, several college units have extramural funds to employ graduate assistants. When you have a full-time assistantship you can plan to work half time (20 hrs per wk) for the university. If you are a nonresident student and have at least a one half full-time equivalent position, you are also eligible for out-of-state fee remissions.

To qualify for graduate assistantships, you must:

- Be admitted to a graduate degree program at UW-Stevens Point.
- Be in good standing in the degree program (maintain at least a 3.0 GPA).
- For a research assistant, enroll for at least 9 graduate credits per semester or 5 during the summer.

For a graduate assistant enroll for at least 4 graduate credits per semester or 3 during the summer.

We recommend that graduate assistants limit their maximum course loads to 9 credits a semester.

We award assistantships on a competitive basis through departments to students admitted to a graduate program. Departments normally screen applications in the spring for fall appointment. Contact your department graduate coordinator for the criteria used to select graduate assistants.

If you are selected for an assistantship, you will enter into a contract with the university. The contract includes a description of the position offered, stipend, and length of employment. Discuss the specific nature of your responsibilities as a graduate assistant with your immediate supervisor at the beginning of your appointment.

As a graduate assistant you are normally required to be on campus for the same work periods as faculty. You are entitled to official holidays and normal break periods between sessions. Your specific work schedule, however, is at the discretion of your immediate supervisor. This is usually your graduate coordinator or department chair if you are a graduate assistant, or your graduate adviser if you are a research assistant. Arrange your work schedule at the beginning of the semester so that it does not conflict with your class schedule. Any change in your work schedule should be negotiated BEFORE you need to make the change.

Categories of Graduate Support

With a "full" graduate assistantship you are expected to work half time. This is at least 20 hours per week in a regular session and 10 hours per week in a summer session. The remaining half time is devoted to your academic Program of Study. Therefore, we actively discourage employment in addition to the assistantship.

Graduate Assistant

As a graduate assistant you get professionally-related assignments that assist the university such as paper grading, assisting faculty in laboratory sections and/or research projects, developing materials for classroom instruction, assisting in departmental libraries, etc. Assigned duties may include gathering, organizing, and analyzing information for a department and may involve routine clerical, secretarial, or accounting procedures. However, the main thrust of the assignment is a learning experience.

The funds to support graduate assistants come directly from the university on a fiscal-year basis. Consequently your appointment is for a semester or academic year and cannot be assured for more than one academic year at a time.

As a graduate assistant you are an employee of the university, and your salary is taxable. You may be eligible for insurance benefits. Contact the Staff Benefits Office for more information.

Instructional Assistant

As an instructional assistant you will be given professionally related instructional assignments in the

classroom under the direction of a graduate faculty mentor. You are also expected to participate in an instructional training and assessment program during your assistantship appointment. The instructional assistantship is a subcategory of graduate assistantships and, therefore, your salary is taxable. You may be eligible for insurance benefits. Contact the Staff Benefits Office for more information.

Research Assistant

As a research assistant you get paid for performing certain research duties. Research assistantships are only available in graduate programs where research is required as part of the degree requirements of all students who are candidates for the same degree. The assigned duties must be directly applicable to your degree requirements. The funds for the stipend may come directly from the university or from an external sponsoring agency. Since the research is a degree requirement, the service you provide the university as a research assistant is taxable. You may be eligible for insurance benefits. Contact the Staff Benefits Office for more information.

Program/Project Assistant

Usually an external source provides funds to employ program/project assistants. Your duties as a program/project assistant are similar to those of the graduate assistant but are usually more specific and are dictated to the university by the sponsoring agency in a grant or contract. Taxability and benefits are the same as the graduate assistant.

Graduate Fellowship

A fellowship is a gift and requires no services from the recipient. The nontaxable funds come to the university from an external source, usually through a grant or contract. If you receive a fellowship, you cannot provide any service to the university or the sponsor for the funds you receive. To remain eligible for a fellowship you need to be in good academic standing in an approved academic program and participate in a prescribed Program of Study.

Student Research Fund

The Student Research Fund provides graduate students with funds to help defray research expenses that are required for their master's degree. If your degree program requires research or if you choose a research option in your program, you are eligible to apply for a grant from this fund.

Your graduate adviser must certify that:

- The research project is required for graduation.
- You are making satisfactory degree progress.
- The funds are necessary to complete the research.

Proposal deadlines occur twice each semester. Contact the Grant Support Office (715-346-2632) for application forms. A review committee screens the grant applications and makes award recommendations.

Fee Waivers for Out-of-State Students

If you are a nonresident graduate student with at least a one-half full-time equivalent position for the academic year, you qualify for out-of-state fee remission. If funds are available to the university for this purpose, your college dean may grant the remission based on the description of duties in the assistantship or fellowship contract. The fee waiver is NOT automatic. You must indicate to your department that you believe you are eligible for the out-of-state fee waiver.

Other Financial Aid

Obtain information about loans and other sources of financial aid from the Financial Aid Office. Graduate students are not eligible for U.S. government-sponsored grants such as Pell Grants or subsidized Direct loans. You must be making satisfactory academic progress toward your degree (described earlier in the Finances section of this catalog) to be eligible for financial aid.

Part-time Employment

We discourage part-time employment because a full academic credit load of graduate studies requires so much of your time. If you are working full time, we recommend that you register for no more than 6 credits a semester or 3 credits for an eight-week session. We especially discourage supplemental employment if you have a full-time graduate assistantship.

Checklist for Master's Degrees and Clinical Doctorate Degree

Below is a series of chronological steps you need to complete in order to obtain a graduate degree from UW-Stevens Point. Since the requirements are different for each degree, not all the steps listed will apply to your degree plan. However, the list is provided for you to keep track of your progress as you work toward the completion of your degree requirements. Nearly all of the steps require you to fill out a printed form and get it approved before you move on to the next step.

Procedure/Event	Time Frame for Completion	Comments
Apply for graduate study (Get form at Admissions Office, 102 Student Services Center).	Before registering for a graduate class.	Required of ALL students attempting to earn a graduate degree.
Pay \$56 application fee (\$125 for foreign applications)	When you apply to a graduate degree program with graduate regular status.	Not required of graduate special students.
Have official transcripts (except those from UW-Stevens Point) sent to Admissions Office.	Before graduate regular status can be determined.	Not required of graduate special students.
Admissions will send your application file to the graduate program coordinator of your intended field of study.		
Submit other required documents to graduate program. Includes GRE scores, letters of reference, interviews, certification, other.	Before the application to a degree program can be considered.	Check with the graduate coordinator of the specific degree program. Not all programs require all of this information.
Acceptance by the graduate program.	During first semester of residence.	
Assignment/selection of graduate adviser	Early, but depends on each program.	
Assignment/selection of graduate committee.	Early, but depends on each program.	Do this as soon as possible. Not required in all degree programs.
Program of study form, filed and approved.	Before you acquire 15 credit hours.	
Admission to candidacy.	Before you acquire 15 credit hours.	
Thesis/research topic approval. Varies with program.		
Culminating experience --Clinical semester/practicum --Comprehensive exam --Seminar --Seminar paper --Educational product --Exhibition/recital --Thesis	Approved 30 days before graduation. Deposited in LRC 10 days before graduation (if participating in commencement ceremony). Approved and deposited in LRC by graduation date (if not participating in ceremony).	
File application for graduation.	Before the start of your last semester.	
Application for graduation approved.	Approximately two weeks after graduation.	

GRADUATE PROGRAMS

AUDIOLOGY

See [Communicative Disorders -Graduate Program](#).

Biology – Graduate Program

Virginia Freire

Room 302, Trainer Natural Resources Building

Phone : 715-346-4252

Email : vfreire@uwsp.edu

UW-Stevens Point offers a Master of Science in Teaching (MST) in Biology. The Department of Biology administers the program through the department chair and department graduate coordinator. The primary purpose of this program is to meet the educational needs of teachers who have already completed the teacher certification process. As a secondary school teacher, the MST-Biology program will give you the opportunity for advanced study, experimentation, research, and involvement in professional activities.

If you are interested in a Master of Science (MS) degree, examine the Master of Science in Natural Resources. Most biology faculty have joint appointments in the College of Natural Resources and can serve as major advisers for that degree. You may also consider the Master of Science in Education. A science education faculty member may serve as your adviser.

Admission to the Program – Biology Graduate

The [Graduate Study](#) section of this catalog describes admissions requirements and procedures for graduate study at UW-Stevens Point. To pursue a graduate program in biology, you must:

1. Submit an application to the UW-Stevens Point Admissions Office, which will forward the application to the biology graduate coordinator;
2. Have an undergraduate major or minor in biology;
3. Have a 2.75 overall undergraduate GPA;
4. Have a 3.00 undergraduate GPA in the biology major or minor; and
5. Submit an unofficial copy of your teaching license.

If you don't meet these criteria, you may appeal to the graduate coordinator and chair for acceptance on probation. Probation requires a minimum 3.0 average based on the first 9 graduate credits completed at UW-Stevens Point. You may have to complete additional coursework.

On formal notification of acceptance into a graduate program, you will be assigned a departmental adviser who will work with you to complete a Program of Study form in the first semester of your graduate program.

The planned course of study is provisional based on course availability.

Policies for Biology Graduate Program

The **Graduate Study** section of this catalog describes all graduate requirements, but the following provisions are particularly important:

1. UW-Stevens Point does not automatically accept transfer graduate credits. You must submit a formal application to the Department of Biology for approval of up to 9 credits from another accredited graduate institution; only 6 of these credits may be Extension credits.
2. The Department of Biology determines whether graduate credits taken before admission to a graduate degree program will apply toward the fulfillment of requirements of the UW-Stevens Point degree program. Graduate courses taken as a special student at UW-Stevens Point also fall under this provision. You may not use more than 9 graduate credits earned before graduate admission to satisfy requirements for the degree program.
3. You must complete all degree requirements, including transfer credits, within a seven-year period that is counted from the end of the term when the first degree course was taken. You may apply for an extension which necessitates the approval of the biology graduate coordinator, the dean of the college, and the Graduate Council. Time extensions are granted only for unusual health conditions, fulfillment of military obligations, or other extenuating circumstances.
4. A maximum of 6 credits earned in BIOL 796 (Independent Study) may apply to a master's degree, unless there are programmatic factors beyond the department's or your control. The biology graduate coordinator may grant approval for exceptions.
5. With the exception of thesis credit, a grade of incomplete automatically becomes an F unless it is removed before the end of the next semester or summer session in which you are registered. For an incomplete to be granted, you and the instructor must agree on the specific requirements, including a firm date for the completion of the work and removal of the incomplete.
6. No credits with pass/fail grades will be accepted toward the degree.
7. To receive a graduate degree, you must apply for graduation online through myPoint at the beginning of the term in which you expect to receive the degree and not later than the end of the third week of a semester or first week of a summer session. Graduate degrees are conferred only in May and December. If you apply for graduation and do not complete the degree requirements, you must reapply for graduation.
8. Except for those courses in which you are currently enrolled, you must complete all degree

requirements at least 20 days before the degree conferral date. If you have incomplete coursework or lack an approved thesis or other culminating experience in the Department of Biology, you will not be eligible for graduation.

9. If writing a master's thesis, you must file two unbound copies of your thesis in the library at least 10 days before graduation. One copy of the thesis is for the library; the second is for the Department of Biology. The library will charge you a nominal fee for binding.
10. You must meet at least once per year with your graduate coordinator and/or your graduate committee.

The Program – Biology Graduate

1. You must earn and maintain at least a 3.00 GPA in the MST program.
2. At least 15 graduate credits must be in courses numbered 700 and above.
3. A culminating experience is required.
4. Coursework distribution:
 - a. Major area of specialization, 21-24 credits, primarily in biology courses. Your graduate committee may approve graduate coursework from other areas (e.g. chemistry, geography, geology, mathematics, natural resources, physics). If you were admitted without a biology major, you must complete the equivalent of an undergraduate biology major in your MST program.
 - b. Professional education, 6-9 credits numbered 700 and above. Especially recommended are: EDUC 702, 703, 705, 707, 721, 771; NRES 61X series, especially 614; NRES 701.

Culminating Experience for Biology Graduate Program

Thesis option: For those who wish to pursue original research in an area of biology or biology teaching.

1. Upon admission to the MST program, you should meet with your graduate coordinator and indicate your selection of thesis option. At this time you should discuss your proposed thesis with your graduate coordinator who will then appoint a thesis adviser knowledgeable in your area of interest.
2. You then meet with your thesis adviser to discuss the thesis and submit a written proposal.
3. After your written proposal has been approved by your adviser and graduate coordinator, two other graduate faculty members conversant with your thesis area will be appointed by the graduate coordinator to make up your thesis committee.
4. You will then make a formal presentation to the thesis committee covering (1) a prospectus for the thesis (2) a preliminary bibliography, and (3) a summary of major problems that need to be addressed. The committee will provide you with suggestions for completing the thesis, including the

number of credits for the thesis when it is satisfactorily completed.

5. Following this presentation and upon receiving the committee's approval, you should register for thesis credit in BIOL 799 at the next registration period. You must enroll for at least 2 but no more than 6 thesis credits.
6. Establish a schedule and submit drafts of portions of your thesis to your thesis committee for suggestions and critique. Consult regularly with your committee throughout the writing of your thesis.
7. At least 10 weeks before you intend to graduate (four weeks in summer session), submit the completed thesis to your committee for final evaluation. The committee will meet with you in an open forum to discuss the thesis, including any recommendations for revision. This will constitute the oral examination for the graduate degree.
8. Upon acceptance of your thesis and at least 10 days before graduation, the required copies of your thesis bearing the signature of the thesis committee will be forwarded to the Biology Department.

Comprehensive examination option, written and oral.

1. Inform your graduate coordinator that you are selecting this option. Your examining committee will consist of your graduate adviser plus two members of the graduate faculty.
2. The examination will take place during the term in which you will complete the degree requirements. Early in that term or in the prior term you and the committee will meet to discuss the range of coverage for the examination.

Portfolio and examination option: For those who have been and are actively involved in writing for publication and/or actively participating in professional activities.

1. Submit the following to your graduate coordinator who will then select a three-member committee to review your proposal. (The proposal and materials will be evaluated for their significance, originality, scholarship, and contribution to the profession.)
 - a. **Rationale:** Write a brief (500 words) justification for your decision to select the portfolio option. Include a statement of how many credits of portfolio you wish to include toward the graduate degree.
 - b. **Summary of work to date:** List all appropriate publications and professional activities you have completed. Include copies of publications, manuscripts accepted for publication and other supporting materials.
 - c. **Award and honors:** List any recent awards or honors that indicate achievement in writing or other professional accomplishments.
 - d. **Timetable for completion:** Provide specific dates for completion of works-in-progress and submission of your completed portfolio. The completed portfolio must be submitted to the

committee at least 10 weeks (four weeks in summer session) before the date you intend to graduate.

2. You must also complete a written examination during the term in which you will complete the degree requirements. Early in that term or in the prior term you and committee will meet to discuss the range of coverage for the examination. The examining committee will consist of your graduate adviser plus two members of the graduate faculty.

Communication – Graduate Program

Chris Sadler, Graduate Coordinator
Room 312, Communication Arts Center
Phone: 715-346-3898

Email: csadler@uwsp.edu

Web: www.uwsp.edu/comm/Pages/grad/default.aspx

In the Division of Communication you may work toward the Master of Arts (MA) in Communication degree specializing in organizational communication, interpersonal communication, public relations, and mass communication. Many students elect to take most of their coursework in one area and one or two courses in an adjunct area. Some will achieve a blend between areas, depending upon how they define an area of concentration. Working with your adviser, you define a plan of study best suited to your career goals.

Although a full-time student can complete this program in two years, many plan a two to five year part-time program. You must earn a minimum of 30 graduate credits, plus one credit for colloquium, but many students finish with more than 31 credits.

Admission to the Program – Communication Graduate

To be admitted to the Master of Arts in Communication program you need to:

1. Complete a baccalaureate degree from an accredited institution.
2. Submit undergraduate transcripts with GPAs.
3. Submit results of the Graduate Record Examination. (You may appeal to the graduate coordinator for an exception.)
4. Submit a statement of purpose which explains what role the completed degree will play in your future.
5. Submit a 5-7 page sample of your writing ability.
6. Write a brief analytical/critical response to a common essay provided to all applicants.
7. Provide two letters of recommendation that address the likelihood of your success in a graduate program.
8. Document relevant work experience that you want the admissions committee to consider.
9. International student applicants must also present a minimum TOEFL score of 91. Please inquire about other requirements for foreign students.

Additional Information for Communication Graduate Program

1. You will be admitted to the graduate program in communication on a **probationary** basis.
2. Full-time students are admitted in the fall only.
3. Required:
 - a. Take at least 15 credits of 700 level courses (no more than 3 credits may be independent study).
 - b. Take COMM 701 and 702 plus at least two additional graduate level communication seminars.
 - c. As part of your colloquium, give a presentation based on your thesis or project.
4. After you are admitted to the program you have seven years to complete your degree. It is your responsibility to be aware of this timeline and to complete the degree within the allotted time.
5. Be aware that after you have been admitted into the program you may still be asked to do remedial work if your undergraduate transcript indicates insufficient preparation for master's level communication courses.

Admission to Candidacy – Communication Graduate Program

You provide supporting materials (papers, exams, recommendations, etc.) based on your first 6 credits of work. The graduate program committee reviews these materials to decide your continuing status:

1. **MA candidate:** If your work is acceptable, the committee grants you candidacy and clearance to establish an advisory committee and obtain approval of your Program of Study.
2. **Conditional candidate:** If your work shows promise, the committee will grant you conditional candidacy and will re-evaluate your status once you have completed their recommendations.
3. **Graduate Special student:** If your graduate-level work is unacceptable, you are eligible to take courses but may not continue in the graduate degree program. You may appeal this status by writing to the graduate coordinator and graduate program committee or apply to another program.

Typical Timeline

After completing 6-9 credits meet with the graduate coordinator to establish a tentative plan of study which outlines the courses you intend to take and establishes a thesis/ project committee. While the official plan of study is not completed until you form your graduate committee, it is important to discuss your plans with the graduate coordinator to ensure that you are making adequate progress toward completing your degree. After you complete approximately 18 credits you should formally complete your plan of study and select a

graduate committee to direct your thesis or project. You choose the members of your graduate committee that consists of a chair and two readers who all must have graduate faculty status at UW-Stevens Point. The most important member on this committee is the chair, the person you will be working with while completing your thesis or project.

Program Planning

You may choose one of two options:

Option 1--Thesis: 24 credits of coursework, plus 6 credits for thesis, and one colloquium credit. This option allows you to conduct a research project (approx 100-150 pages) that can help you prepare for entering a PhD program or complete a more detailed and/or theoretical examination of a topic of interest. After you have completed at least 15 credits, the advisory committee approves the selection of a thesis topic, rationale, and method to be used for the study. When the advisory committee approves your thesis project proposal, you must enroll in one or more hours of thesis or project credit to maintain your status as an MA candidate. We count no more than 6 thesis credits toward your 31 credit degree requirement.

Option 2--Project: 27 credits of coursework, plus 3 credits for project, and one colloquium credit. This option allows you to conduct a study (approx 50 pages) of a work situation, write about and direct a production, or examine a topic of interest from a more applied perspective. After you have completed at least 15 credits, the advisory committee approves the selection of your project topic, rationale, and method to be used for conducting the project. When the advisory committee approves your project proposal, you must enroll in one or more hours of project credit to maintain your status as an MA candidate. We count no more than 3 project credits toward your 31 credit degree requirement.

Process for Completing the Thesis/Project for Communication Graduate Program

1. With the chair of your committee, write a prospectus (a proposal of 20-30 pages) that outlines the thesis/ project topic and the methods you will use to conduct the study. After the remaining committee members have read your prospectus, you must orally defend it to your committee.
2. After approval of the prospectus, conduct your study and write the thesis or project. Once you and your chair feel the written thesis/project is ready, have the remaining committee members read it and set a date to orally defend the thesis/project to the committee.
3. Make any final revisions that are required by the committee. Arrange with the library to have at least

four hardbound copies made. After receiving your bound copy, the library certifies that your thesis/project is complete. The graduate coordinator and registrar then conduct a final audit of your work before approving you for graduation.

Communicative Disorders – Graduate Program

Julia King, Coordinator of Graduate Programs
Room 0034, College of Professional Studies Building
Phone: 715-346-4657
Email: commdis@uwsp.edu OR Julia.King@uwsp.edu
Web: www.uwsp.edu/comd

The School of Communicative Disorders (SCD) offers a Master's of Science degree in Speech-Language Pathology. You will receive the academic background and clinical practicum experience required to function competently and independently in a variety of professional employment settings. This program is accredited by the Council on Academic Accreditation in Audiology and Speech-Language Pathology (CAA) of the American Speech-Language Hearing Association (ASHA).

For more information, see www.uwsp.edu/comd. The UW-Stevens Point School of Communicative Disorders has developed a joint clinical doctorate in audiology (Au.D.) program with the UW-Madison Department of Communicative Disorders. Our universities have merged their resources to provide a unique professional doctorate program. The joint doctoral program in audiology at UW-Madison and UW-Stevens Point is accredited by the CAA of ASHA. For more information see www.aud.wisc.edu.

The faculty and staff in the SCD provide you with a high quality education that emphasizes training in the prevention, evaluation, and treatment of disorders of hearing, speech, language, and swallowing. Graduates are employed throughout the country in schools, universities, hospitals, skilled nursing facilities, and private/public clinics.

Clinical training begins at the undergraduate level and culminates with a full-time clinical externship at the end of the graduate program. In consultation with the director of Clinical Services, you will select a site for your externship. If you are in the audiology program, you will complete a full-time clinical externship during the entire fourth year of study. In the speech-language pathology program, you will complete a full-time 15-20 week externship in a school, health care facility, or clinic setting during the final semester of your program.

Admission to the Program – Communicative Disorders Graduate

Contact the coordinator of graduate programs for specific information about the application process for both the speech-language pathology and audiology programs. For both programs you will need the following to be considered for admission:

1. A completed application for admission to the program,
2. A statement of professional intentions (i.e., interest and goals),
3. Three letters of recommendation,
4. GRE scores,
5. A completed practicum and work experience form,
6. A completed undergraduate major in communicative disorders or equivalent coursework.

Applications for graduate school are due in January for the next fall semester. For forms and specific deadlines, go to www.uwsp.edu/comd for speech-language pathology and www.aud.wisc.edu for audiology.

Admission to Candidacy for Communicative Disorders Graduate Program

You must complete at least 9 credits of graduate work with a GPA of 3.00 (B). See the Graduate Handbook in Speech-Language Pathology or the University of Wisconsin Professional Doctor of Audiology (Au.D.) Degree Student Handbook for details regarding candidacy.

Specializations

In either specialization you must meet minimum standards for clinical certification as established by the American Speech-Language-Hearing Association that are in effect at the time you graduate.

Culminating Experience for Communicative Disorders Graduate Program

In speech-language pathology, you must take a comprehensive examination the semester before you begin a 15-credit clinical semester. In the clinical semester, you are assigned full time for one academic term to a hospital, clinic, school, etc. to gain professional experience in the type of setting that most interests you. You may complete a thesis in lieu of taking comprehensive examinations as a culminating experience. The thesis must be completed prior to graduation.

In audiology you will culminate your graduate program with a capstone project during the third year and a full-time, clinical externship during the entire fourth year.

Community & Organizational Leadership and Nutritional Sciences – Graduate Programs

Marsha Larson, Graduate Coordinator in HPHD
Room 236, College of Professional Studies Building
Phone: 715-346-4968

Email: hphd@uwsp.edu OR mlarson@uwsp.edu
Web: www.uwsp.edu/hphd/Pages/graduateDegrees/default.aspx

Abbreviations

COL – Community & Organizational Leadership
FCS = Family and Consumer Sciences
FN = Food and Nutrition

HD = Human Development

HP/W = Health Promotion/Wellness

You may earn the MS degree in Community & Organizational Leadership or the MS degree in Nutritional Sciences. In both programs you have an opportunity for graduate teaching and research assistantships as well as for in-depth community practitioner experiences.

Community & Organizational Leadership

The MS degree in Community & Organizational Leadership is designed to broaden your abilities in leadership, critical thinking and wellness in individual, family and community settings. Program electives are designed according to your individual needs and career goals.

Admission to the Program – Community & Organizational Leadership Graduate

For Community & Organizational Leadership you need:

1. A baccalaureate degree from an accredited university or college with an undergraduate grade point average of 2.75 or above (based on a 4.0 scale). We may grant probationary status if you have a GPA below 2.75.
2. A current resume or curriculum vitae detailing your professional experience.
3. A letter of intent detailing your background qualifications, career goals, and how this program fits into your future professional plans. Professional writing ability will be evaluated based on your submitted documents.
4. GRE (Graduate Record Exam).

Admission to Candidacy for Community & Organizational Leadership Graduate Program

Admission to candidacy (program planning) does not occur until after you have applied and are accepted into the Community & Organizational graduate program at UW-Stevens Point. Once admitted, you will consult with your adviser to prepare a proposed program of study. Acceptance as a candidate occurs when your graduate committee has approved your Program of Study.

To be accepted as a candidate:

1. Complete no more than 9 credits of graduate work from UW-Stevens Point. Transfer credits may apply toward completion of your degree, but they are not included in consideration for admission to candidacy. You may apply earlier, but you should be admitted to the program and meet with your adviser before you have completed 9 graduate credits.
2. Remove any academic deficiencies and/or complete all subject matter prerequisites.
3. Maintain at least a 3.0 (B) grade point average in all your graduate work.
4. Receive approval for your Program of Study.

The Program – Community & Organizational Leadership Graduate

1. The Master of Science in Community & Organizational Leadership requires a minimum of 30 credits. The 15 credit core courses are required and the remaining electives are determined by your professional interests and the culminating experience you choose.
2. Required core: COL 700, 710, 720, 730, 740.
3. Electives, 9-15 credits. These are determined based on the discussion between you and your adviser with your professional needs and interests considered in the context of available course. Your culminating experience influences your elective credit load.
4. Choose one option as your culminating experience:
 - a. **Thesis:** COL 799, 1-6 credits. For those interested in conducting qualitative or quantitative research. Choose a topic in an area similar to the interests of one of the faculty. Requires at least 30 graduate level credits, including 6 thesis credits. Requires oral research proposal, written thesis and oral final defense. You may repeat enrollment in COL 799 each semester in which you are involved in your thesis, until the 6 credit requirement is completed.
 - b. **Project:** COL 798, 1-6 credits. Develop and implement a project designed to accommodate a current community, employment or career need. Requires 30 graduate level credits, including 6 project credits. Requires written description of project proposal and oral defense. You may repeat enrollment in COL 798 each semester in which you are involved

in your thesis, until the 6 credit requirement is completed.

- c. **Comprehensive Examination:** Requires 30 graduate level credits and an examination as the culminating experience. The four-hour exam consists of 3 essay questions from courses in your program of study. Requires a passing score on each exam question.

Advanced Certificate of Graduate Studies in Health and Wellness Coaching

The Advanced Certificate of Graduate Studies in Health and Wellness Coaching is recognition of the special set of competencies needed to help clients make and maintain healthy changes. You will have acquired a body of knowledge in exercise and nutrition, and will have acquired and demonstrated specific skills in behavior change coaching. This certificate is valued by employers in the fields of Health Promotion and in medicine, in the specialty of health risk reduction. For more information on the specific requirements, make an appointment with the HPHD advising office.

NUTRITIONAL SCIENCES

The MS degree in Nutritional Sciences is designed to broaden leadership and critical thinking abilities in community nutrition and sustainability. It addresses the needs of students and professionals who wish to or currently work in public health, community development and food systems. Elective courses enable you to tailor your studies according to individual needs and career goals.

Admission to the Program – Nutritional Sciences Graduate

For Nutritional Sciences you need:

1. A baccalaureate degree from an accredited university or college and an undergraduate grade point average of 2.75 or above (based on a 4.0 scale). We may grant probationary status if you have a GPA below 2.75.
2. A current resume or curriculum vitae.
3. A letter of intent detailing your background qualifications, career goals, and how this program fits into your future professional plans.
4. GRE (Graduate Record Exam).

Admission to Candidacy for Nutritional Sciences Graduate Program

Admission to candidacy (program planning) does not occur until after you have applied and are accepted into the Nutritional Sciences graduate program at UW-Stevens Point. Once admitted, you will consult with your adviser to prepare a proposed program of study. Acceptance as a candidate occurs when your graduate adviser has approved your Program of Study.

To be accepted as a candidate:

1. Complete no more than 9 credits of graduate work from UW-Stevens Point. Transfer credits may apply toward completion of your degree, but they are not included in consideration for admission to candidacy. You may apply earlier, but you should be admitted to the program and meet with your adviser before you have completed 9 graduate credits.
2. Remove any academic deficiencies and/or complete all subject matter prerequisites.
3. Maintain at least a 3.0 (B) grade point average in all your graduate work.
4. Receive approval for your Program of Study.

The Program – Nutritional Sciences Graduate

1. Required core (18 credits): FN 700, 720,730, 751, 760, and 770.
2. Required foundation knowledge: If you enter the program with deficits in fundamental nutrition knowledge you will be required to fulfill the following coursework (at UW-Stevens Point or equivalent courses elsewhere) IN ADDITION to the 30 credits of graduate coursework: FN 253 and FN 373.
3. Electives to meet your specific needs and goals: 6 credits with thesis or project option; 12 credits with culminating exam option.
4. Choose one:
 - a. **Culminating exam option:** Requires 30 graduate credits, including 12 credits of elective courses and an examination as the culminating experience. The four-hour exam consists of three essay questions from courses in your program of study. Requires passing score on each exam question.
 - b. **Thesis option:** FN 799, 1-6 credits. For those interested in developing hypothesis testing, data collection, analysis, and interpretation skills while engaging in nutrition-related research. Choose a topic in an area similar to the interests of one of the faculty, or in an area of personal interest. Requires 30 graduate credits, including 6 thesis credits. Requires research proposal presentation, written thesis, and oral comprehensive exam including defense of thesis. You may repeat enrollment in FN 799 each semester in which you are involved in your thesis, until the 6 credit requirement is completed.
 - c. **Project option:** FN 798, 1-6 credits. For those employed in a nutrition-related field to develop and implement a program in their current target population. Requires 30 graduate credits including three project-related credits. Requires project proposal presentation, written project report, and oral comprehensive exam. You may repeat enrollment in FN 798 each semester in which you are involved in your

thesis, until the 6 credit requirement is completed.

Education – Graduate Program

School of Education Office of Graduate Studies & Professional Development

Dr. Pamela Bork, Director of Graduate Studies & Professional Development for the School of Education Room 446, College of Professional Studies Building
Phone: 715-346-2354; Fax 715-346-4846

Email: pbork@uwsp.edu OR educgradadvs@uwsp.edu

Web: www.uwsp.edu/education/Pages/Graduate/default.aspx

The School of Education offers the following graduate programs:

- Master of Science in Education–Elementary Education (MSE), for certified teachers.
- Master of Science in Education–General, for certified elementary or secondary teachers with two or more years' **full-time** teaching experience.
- Master of Science in Teaching. See more information in the [biology, English, and history](#) sections of these graduate pages.

You may also work toward:

- Master of Science in Education: Educational Administration **OR** Specialist in Education: Educational Administration, offered in cooperation with UW-Superior.

Resources for Education Graduate Programs

School of Education (SOE) Graduate Advising Office

Room 438, College of Professional Studies Building
Phone: 715-346-4403

Web: www.uwsp.edu/education/graduate

- School of Education graduate program admission
- Graduate level certification programs (alternative education, early childhood education, gifted and talented education, reading, and special education)
- Program planning and adviser assignment
- Planning sheets/program outlines
- Program of Study change forms
- Credit checks
- Graduate exams in education
- Application for graduation

Admissions Office

Room 102, Student Services Center
Phone: 715-346-2441

Web: www.uwsp.edu/admissions/Pages/default.aspx

Office of the Registrar

Room 101, Student Services Center
Phone: 715-346-4301

Web: www.uwsp.edu/regrec/

- Application for graduation

Enrollment Services Center

Room 106, Student Services Center

Phone: 715-346-3300

Web: www.uwsp.edu/enrollmentservices

- Registration information
- Requests for official transcripts

CPS-Continuing Education (CPS-CE)

Room 100, College of Professional Studies Building

Phone: 715-346-3801 and 715-346-4782

Web: www.uwsp.edu/cps/conted/Pages/default.aspx

- Offerings for nontraditional students
- Degree completion programs in Business, Health and Wellness, and Early Childhood Education
- Courses for add-on certifications

UWSP Continuing Education

Room 032, Old Main Bldg; 8 am–4:30 pm;

Monday-Friday

Phone: 715-346-3838 or 715-800-898-9472

Web: www.uwsp.edu/conted/Pages/default.aspx

- Off-campus course listings
- Registration for outreach/distance learning courses

MSE–Elementary Education**Admission to the Program - MSE-Elementary Education Program**

1. Submit an application to pursue graduate study at UW-Stevens Point to the Admissions Office.
 - a. Be aware that you must make your initial application to the Admissions Office **before** you can be admitted to MSE–Elementary Education program.
 - b. We recommend that you apply no later than mid-semester of the semester **before** you want to be admitted.
 - c. The UW-Stevens Point Admissions Office processes your application and notifies you when your materials are being forwarded to SOE Office of Graduate Studies & Professional Development. Your application will then be reviewed by Graduate Advising for admission to the “program.”
2. Submit official transcripts for undergraduate and any additional coursework listed on your application.
3. Send a copy of your teaching license to SOE Office of Graduate Studies & Professional Development.
4. Have an undergraduate grade point average of 3.00 or higher. If your GPA is less, you may be admitted on probation, but will then need to establish a minimum 3.00 GPA on your first 9 resident graduate credits at UW-Stevens Point to be fully admitted.
5. Complete no more than 9 credits of graduate work. You may apply earlier, but you should be admitted to the program and **meet with your adviser before you have completed 9 graduate credits.**

Admission to Candidacy for MSE Elementary Education Graduate Program

Admission to candidacy (program planning) does not occur until after you have applied to pursue graduate study at UW-Stevens Point through the Admissions Office and been admitted to your elected program through SOE Office of Graduate Studies & Professional Development. Once you are admitted you will receive a “working copy” form, planning guide sheet to use as you prepare your proposed plan of study, and be assigned an adviser.

To be accepted as a candidate:

1. Remove any academic deficiencies and/or complete all subject matter prerequisites.
2. Maintain at least a 3.0 (B) grade point average in all your graduate work.
3. **Because you may include no more than 9 completed graduate credits in your official Program of Study, submit your proposed plan of study and rationale statement BEFORE you complete 9 graduate credits.**
4. Receive approval from your graduate adviser for your Program of Study.

The Program – MSE-Elementary Education Graduate

Earn 30 credits in graduate courses:

1. **Professional education:** 9 credits that include foundations, curriculum, and research courses. (EDUC 782 may substitute for EDUC 707 only with adviser approval prior to enrollment.)
2. **Liberal arts:** 6-9 credits outside education (courses without the EDUC prefix).
3. **Area of specialization:** of remaining education credits, at least 3 must be instructional methods, supervision and instruction, reading, foundations, etc. Advisers may approve exceptions for 500 level courses.
4. Fifteen credits must be at the 700 level.
5. EDUC 758, 761, 771, 772 are pass/fail. Only these courses may be applied to the master’s program.

Culminating Experience for MSE- Elementary Education Graduate Program

Complete one of these two options:

Thesis Option: Write a thesis and a comprehensive examination covering the Foundations and Curriculum areas of your program.

Nonthesis Option: Take EDUC 707 or 782 and write a comprehensive examination. You must have at least 24 credits completed toward your Program of Study including the required component area coursework before you can register to write your exam. The graduate exam will include foundations, liberal arts, and 6 additional credits in your area of study. You may not write on practicum, independent study, or research work. Register for the exam one semester before you

plan to take it. To register and for more information, contact SOE Office of Graduate Studies & Professional Development, 715-346-4403.

Exit Interview (graduation credit check)

You must complete an exit interview one semester **before** the semester in which you plan to graduate. This interview generates a credit check on your progress and requirements and provides a one-semester "cushion" to cover discrepancies. You will receive a graduation application at the interview and you apply for graduation after the interview.

Deadlines: Decide on the term in which you anticipate receiving your diploma. Schedule your credit check, sign up for exams and apply for graduation by the month indicated.

- Apply by August for December diploma and ceremony.
- Apply by December for May diploma and ceremony.
- Apply by December for August diploma. There is no ceremony in August; however, you may request to participate in the May or the December ceremony.

MSE-General

The MSE-General is for licensed teachers with at least two years **full-time** elementary or secondary teaching experience. Substitute teaching will be considered for this requirement, but student teaching and interning will not. The program allows you to design a Program of Study that meets your specific needs. You may incorporate credits from several disciplines into the 30 required graduate credits provided you can verify a professional need for them.

Admission to the Program - MSE-General

Follow steps 1-5 as listed for MSE-Elementary Education above. In addition, you will need to:

6. Have an employing official provide a letter certifying that you have two or more years of **full-time** teaching experience. For substitute teaching, have an employing official provide a letter documenting the number of days of substitute teaching with less than five hours a day and number of days with five or more hours/day.
7. Have an employing official provide a letter of reference.

Options for MSE-General

Elect ONE of the following three options:

- **Option A, professional and subject matter content:** Requires a minimum of 6 credits outside education, i.e., courses without an EDUC prefix.
- **Option B, specialization or certification:** Minimum of 18 credits leading to a state certificate or credits in a specialty area such as reading teacher (316), reading specialist (317), any of the special education certifications, gifted/talented

certification, reading, early childhood education certification, English as a second language (ESL), adapted physical education, family and consumer science, health education, or a block of courses designed for initial or advanced graduate work by School of Education as part of your master's degree.

- **Option C, content specializations outside the School of Education:** 21 credits from outside education, i.e., courses without an EDUC prefix. Secondary candidates will pursue this option.

NOTE: EDUC 758, 761, 771, 772 are pass/fail. Only these courses may be applied to the master's program.

Admission to Candidacy for MSE-General

Same as MSE-Elementary Education above.

You must submit a rationale statement with the proposed plan of study that explains how the proposed courses will enhance your professional expertise and how they reflect your personal, professional, and academic interests and needs. Generally, you can group courses into categories (curriculum, math, reading, etc.) and write a rationale for each group. You may prepare the rationale statement in paragraph format and attach it to the "working copy."

Please note that the "working copy" is **NOT** the final Program of Study. It is a tool used to assign an adviser whose background most closely parallels your area of interest and/or expertise. The "working copy" will be used at your advising conference to develop a formal Program of Study which your adviser will approve. SOE Office of Graduate Studies & Professional Development makes all official adviser assignments after your proposed plan of study and your rationale statement have been received. You may **request** a specific adviser at this time. You will receive a letter of adviser assignment including address, phone and email address of your adviser. Schedule an advising conference with your assigned adviser to have your proposed plan of study officially approved.

You will receive a copy of the official Program of Study once the advising process has been completed. The original will be retained in SOE Office of Graduate Studies & Professional Development. If you want to change your officially approved Program of Study, you must submit a change of study request form to SOE Office of Graduate Studies & Professional Development prior to enrollment in the new class. Contact SOE Office of Graduate Studies & Professional Development for more information.

Culminating Experience for MSE-General

Complete one of the following options:

Thesis Option: Write a thesis and a comprehensive examination covering Foundations and Curriculum areas.

Nonthesis Option: Enroll in either EDUC 707 or 782 (as approved by your adviser) and complete a comprehensive examination covering 12 credits from your Program of Study that includes required foundations, curriculum components, and an additional 6 credits from Area 2 of your Program of Study. You may not write on practicum, independent study, or research work. You must have at least 24 credits completed toward your Program of Study, including the required component area coursework, before you can register to write your exam. Register for the exam one semester before you plan to take it. For more information, contact SOE Graduate Advising, 715-346-4403.

Exit Interview (graduation credit check)

Same as [MSE-Elementary Education](#) above.

Graduate Certification Programs – School of Education

The School of Education offers graduate certification programs in:

1. **Exceptional Education**
 - a. Early Childhood Special Education
 - b. Emotional/Behavioral Disabilities
 - c. Learning Disabilities
 - d. Cognitive Disabilities
 - e. Gifted/Talented Education
 - f. Cross Categorical Special Education
2. **Reading**
 - a. Reading teacher (316)
 - b. Reading specialist (317)
3. **English as a Second Language (ESL)**
4. **Early Childhood Education**

You may complete these certifications as specializations in the MSE (General) degree via Option B or by enrolling as a graduate special student and pursuing certification only. Forward a letter of intent, along with copies of your Wisconsin teaching license and transcripts from every college or technical school attended, to SOE Office of Graduate Studies & Professional Development indicating which certification you wish to pursue. A file will be established for you and an adviser assigned. Curriculum requirements for each certification are described below.

NOTE: If you are pursuing graduate level certification, you must DECIDE EARLY whether to incorporate credits for certification as part of the MSE-General degree. You may obtain a master's degree which incorporates certification by taking a course in each of the required component areas (foundations, curriculum, and research). You can have no more than 9 completed graduate credits at the time your official Program of Study for master's degree is approved.

The certification program plan is NOT the same as the master's Program of Study. The certification program plan outlines coursework required for certification only.

The master's program plan outlines coursework required for awarding the master's degree. In some cases, coursework will apply to both programs. Certification candidates, therefore, will have two program plans on file: one leading to certification and another leading to awarding the master's degree. It is conceivable that a candidate may complete requirements for one program plan prior to completing requirements for the other program plan. Contact SOE Office of Graduate Studies & Professional Development, 715-346-4403 for further information.

Graduate Certification Programs in Special Education

You may complete these certifications as specializations in the MSE-General degree via Option B or by enrolling as a graduate special student and pursuing certification only. These programs lead to an additional teacher license for those already certified to teach.

Alternative Education

NOTE: You must have a Wisconsin teaching license. Your Alternative Education license will be issued at the same level as your initial teaching license.

To receive certification, fulfill these requirements:

1. Verification of a Wisconsin teaching license.
2. Courses: 6 credits: EDUC 786 and 787.
3. Meet state teacher licensing rules which are subject to change at any time due to legislative or licensing changes.

Early Childhood Special Education

To receive certification, fulfill these requirements:

1. Professional preparation: Complete a bachelor's degree in early childhood ed, exceptional ed, or elementary ed, including required courses: ECED 564 (Curriculum and Methods for Young Children), EDUC 398; and PSYC 260 or HD 261.
2. General exceptional education: EDUC 551 and 778.
3. Area of specialization: EDUC 565, 566, 567, 781.
4. Pass the state-mandated content test and reading test.
5. Meet state teacher licensing rules which are subject to change at any time due to legislative or licensing changes.

NOTE: If you are certified in related service fields such as physical therapy, speech/language pathology with a master's degree, etc., but do not have a prior degree with certification in education, you can pursue an emphasis in early childhood special education needs in order to augment your skills in working with this population. This avenue will NOT lead to teacher certification unless you elect to take the courses that lead to that certification.

Emotional/Behavioral Disabilities

To receive certification, fulfill these requirements:

1. Professional preparation:
 - a. Complete a bachelor's degree in elementary or secondary ed, including these required courses: EDUC 309 or 386; EDUC 351, 381,

- 398; methods courses for instructional areas; and PSYC 260 or HD 261.
- b. If you are certified in other areas of special education, complete these professional education courses: EDUC 309 or 386; EDUC 351, 381, 398; methods courses in regular curriculum; PSYC 260; or equiv graduate level courses.
2. General exceptional education: Complete COMD 567; EDUC 556, 568, 704, 778.
 3. Area of specialization: Complete these, with emphasis in emotional disabilities: EDUC 564, 569, 781.
 4. Pass the state-mandated content test and reading test.
 5. Meet state teacher licensing rules which are subject to change at any time due to legislative or licensing changes.

Learning Disabilities

To receive certification, fulfill these requirements:

1. Professional preparation:
 - a. Complete your bachelor's degree in elementary or secondary ed, including these required courses: EDUC 309 or 386; EDUC 351, 381, 398; methods courses for your instructional areas; and PSYC 260 or HD 261.
 - b. If you are certified in other areas of special education, complete these professional education courses: EDUC 309 or 386; EDUC 351, 381, 398; methods courses in regular curriculum; or equivalent graduate courses.
2. General exceptional education: COMD 567, EDUC 556, 568, 704, 778.
3. Areas of specialization: Complete with emphasis in learning disabilities: EDUC 564, 569, 747, 781.
4. Pass the state-mandated content test and reading test.
5. Meet state teacher licensing rules which are subject to change at any time due to legislative or licensing changes.

Cognitive Disabilities/Intellectual Disabilities

To receive certification, fulfill these requirements:

1. Professional education:
 - a. Complete your bachelor's degree in elementary or secondary education, including these required courses: EDUC 309 or 386; EDUC 351, 381, and 398; methods courses for your instructional areas; and PSYC 260 or HD 261.
 - b. If you are certified in other areas of special education, complete these professional education courses: EDUC 309 or 386; EDUC 351, 381, 398; methods courses in regular curriculum; PSYC 260; or equivalent graduate courses.
2. General exceptional education: Complete COMD 567, EDUC 556, 568, 704, 778.
3. Areas of specialization: Complete these courses, with an emphasis in mild-moderate cognitive disabilities: EDUC 564, 569, 781.

4. Pass the state-mandated content test and reading test.
5. Meet state teacher licensing rules which are subject to change at any time due to legislative or licensing changes.

Gifted/Talented Education

This is an add-on certification program offered jointly by UW-Stevens Point and UW-Whitewater.

NOTE: You must have a Wisconsin teaching license. Your Gifted/Talented license will be issued at the same level as your initial teaching license.

To receive certification, fulfill these requirements:

1. Verification of a WI teaching license.
2. Courses: 9 credits: either EDUC 791 (UW-Stevens Point) or EDFOUND 791 (UW-Whitewater), EDUC 792 (UW-Stevens Point only), EDFOUND 790 (UW-Whitewater only).
3. Practicum (3 credits) EDUC 795 (UW-Stevens Point only) either on-site or on-campus.
4. Meet state teacher licensing rules which are subject to change at any time due to legislative or licensing changes.

Cross Categorical Special Education

If you have prior certification in a special education area prior to January 2011 and would like to pursue Cross Categorical certification, you will need to complete EDUC 790, Competencies in Cross Categorical Instruction. If your certification is not from UW-Stevens Point, please contact the Coordinator of Special Education for further information.

Graduate Certification Programs in Reading

You may complete these certifications as specializations in the MSE-General degree via Option B or by enrolling as a graduate special student and pursuing certification only.

Reading Teacher (316) Certification

NOTE: You must have two years of successful **regular** classroom teaching experience in addition to the coursework for certification.

To receive certification you must earn 9 prerequisite credits (6 from Area A and 3 from Area B) as described below. You can take them at the graduate or undergraduate level, but if you are applying the credits to a master's degree, they must be at the graduate level. Before you take EDUC 741 you must take EDUC 309, 310, 386/586, or ENGL 381/581 (for English majors). In addition, you need 13 credits from Area C below.

1. **Area A**, 6 credits, one course from each group.
 - a. Elementary: EDUC 309 or 310.
 - b. Secondary: EDUC 386/586 OR ENGL 381/581.
 2. **Area B**, 3 credits from EDUC 327/527, 383/583, 706, ENGL 275, 375/575.
 3. **Area C**, 13 credits: EDUC 740, 741, 746, 747, 748.
- NOTE:** Area C courses must be earned within a

seven-year period (starting with the beginning of the term the course was approved for your Program of Study).

4. Pass the state-mandated content test and reading test.
5. Meet state teacher licensing rules which are subject to change at any time due to legislative or licensing changes.

Reading Specialist (17) Certification

NOTE: You must have three years of successful **regular** classroom teaching experience in addition to the coursework for certification.

Meet the following requirements:

1. Complete a master's degree in an education field.
2. Meet the requirements for reading teacher (316) certification as described above.
3. Complete EDUC 328/528, 749, 750, 751. NOTE: Courses for reading specialist 317 license must be earned within a seven-year period (starting with beginning of the term the course was approved for your Program of Study).
4. Pass the state-mandated content test and reading test.
5. Meet state teacher licensing rules which are subject to change at any time due to legislative or licensing changes.

Early Childhood Education Add-On

To receive certification, fulfill these requirements:

1. Professional Preparation: Complete a bachelor's degree and/or certification program with a major in Elementary Education including EDUC 398; and PSYC 260 or HD 261 or 265.
2. Complete ECED 564 and 564 Project, 566, 660 and 660 Project; HD 563, 564 and 565.
3. Student Teaching in Pre-Kindergarten/Kindergarten: EDUC 398/598 or 781.
4. Pass the state-mandated content test and reading test.
5. Meet state teacher licensing rules which are subject to change at any time due to legislative or licensing changes.

MSE: Educational Administration -or- Specialist in Education: Educational Administration

These programs are offered in cooperation with UW-Superior. For more information, contact SOE Office of Graduate Studies & Professional Development, 715-346-4403.

English – Graduate Program

Michael Williams, Graduate coordinator
Room 486, Collins Classroom Center
Phone: 715-346-4757
Email: m2willia@uwsp.edu

In the English Department you may work toward the Master of Science in Teaching–English or the Master of Science in Teaching–Reading Certification in English. If you seek to teach English or reading, you can gain advanced knowledge and training through these programs.

Admission to the Program – English Graduate

To be accepted into the MST program you must have a bachelor's degree with an English major. If you have less than this, the graduate coordinator may grant you provisional acceptance.

Admission to Candidacy for English Graduate Program

To be admitted to candidacy, successfully complete 9 graduate credits with at least a B (3.0) average.

The Program – English Graduate

Take at least half of your English credits at the 700 level.

1. **Master of Science in Teaching–English**
 - a. Complete 18-24 credits in English courses selected with graduate coordinator approval.
 - b. Complete 6-9 credits in education courses.
 - c. With graduate coordinator approval, you may substitute 3 graduate credits in another liberal arts area for 3 credits in English.
2. **Master of Science in Teaching–Reading Certification in English**
 - a. Complete 15-18 credits in reading courses (up to 6 at undergraduate level) including: EDUC 746, 747, 748; other courses approved by graduate coordinator to total 15-18 credits.
 - b. Complete 18-21 credits selected with graduate coordinator approval.

Culminating Experience for English Graduate Program

Before you complete 21 credits, select one of the four options below and notify the department chair.

1. Portfolio of papers, publications, and professional presentations submitted to and approved by a committee of graduate faculty appointed by the department chair, 2-4 credits.
2. Project that is an outgrowth of ENGL 712, 755, or 781, 1 credit.
3. Thesis in literature or some aspect of teaching English, 2-6 credits.

4. Written comprehensive examination based on two areas of specialization from your English coursework.

History – Graduate Program

Edgar W. Francis IV, Graduate Coordinator
Room 463, Collins Classroom Center
Phone: 715-346-3289

Email: history@uwsp.edu or efrancis@uwsp.edu

You may earn a Master of Science in Teaching in History or in History with a concentration in the Social Sciences. You may also earn a Master of Science in Education-General degree with a History concentration. In these programs you study specific historical periods or topics, acquire new information, learn the latest interpretations, and evaluate the latest methods of teaching the subject.

Admission to the Program – History Graduate

Minimum requirements for admission to MST program are:

1. Application to Graduate Study.
2. An undergraduate major in history or social sciences.
3. A 2.75 cumulative GPA in your undergraduate work.
4. A 3.00 GPA in your undergraduate major.
5. If you do NOT meet all these criteria, you may appeal to the History Department Graduate Committee for acceptance on probation.
6. Complete a Program of Study form in consultation with your adviser, during the first semester you are in the graduate program.

Admission to Candidacy for History Graduate Program

After you have completed 12-15 credits of graduate work, have an evaluation meeting with your adviser. At that meeting, discuss your program, progress, and potential for success in completing your degree.

The Program – History Graduate

In consultation with your adviser, plan a program that best meets your professional needs. If you wish, you may specialize in a specific field of history.

1. **MST in History.** To earn your degree:
 - a. Achieve 3.25 GPA in 30 credits of graduate work.
 - b. Earn at least 18 credits and no more than 24 in history, at least 12 of them at UW-Stevens Point. Earn at least 9 of these credits in courses 700 and above and at least 6 of them at UW-Stevens Point.

- c. Complete HIST 701, 716, 756 or 776. Do not concentrate all your work in any one area (e.g., American, European, or non-Western); earn at least 3 credits in a second area.
- d. Earn 6-9 credits in 700 level education courses.

2. **MST in History with Social Science concentration.**

To earn your degree:

- a. Achieve 3.25 GPA in 30 credits of graduate work.
 - b. Earn 12 credits in history, at least 9 in courses numbered 700 and above.
 - c. Earn 12 credits, with your adviser's approval, in one or more of the social sciences.
 - d. Complete HIST 701, 716, 756, or 776.
 - e. Earn 6 credits in 700 level education courses.
3. **MSE (General) with History concentration.** For full information on this degree, see the section in this chapter on **Education**. As part of the 21 credits toward this degree in your area of subject content or specialization, you may take history credits under the professional option. Under the liberal arts option, you may take up to 21 credits in history.

After consulting with your education and history advisers, you determine your Program of Study in your area of specialization. If you wish to make exceptions to these history requirements, the history chair, graduate committee, and graduate program coordinator must approve them.

Culminating Experience for History Graduate Program

The Thesis Option. If you choose to write the thesis, select a topic in consultation with your adviser and inform the graduate coordinator. After you submit the completed thesis, take an oral examination on it conducted by your thesis adviser and two other members of your department chosen by your adviser in consultation with you. Your adviser and one other member of your committee must approve both your thesis and your responses. You must also take a written comprehensive examination consisting of one question in education. For further information on the thesis, contact the History Department Office.

Research Paper/Comprehensive Exam Option. If you choose to submit a research paper, you must also take a written comprehensive examination in history and education. If your degree is in history, you must display thorough factual and bibliographical knowledge of at least one area of history. If your degree is in history with a social science concentration, you must display the same knowledge of one area of history and one social science. In addition, you must write two comprehensive questions for the component of the MST in the School of Education.

Portfolio Option. The third option for the culminating experience consists of the creation of a professional portfolio compiled under the supervision of a committee

chaired by one department member whom you select, the graduate coordinator, and a third member of the department. The portfolio will consist of three parts:

1. A resume and a statement of your teaching philosophy.
2. Academic materials (exams, papers, book reviews, etc.) produced in your graduate history courses.
3. A detailed course proposal and sample of accompanying materials (i.e., lectures, in-class exercises, and homework assignments) that emerges out of your graduate coursework in history.

In addition, you must write two comprehensive questions for the component of the MST in the School of Education.

Resources for History Graduate Program

In the government publications division of the Learning Resources Center you will find a rich collection of public documents on international and national as well as state and local topics. As an Area Research Center, the LRC collects U.S. government publications and Wisconsin government publications. It also has a growing collection of public documents and private papers. With these materials, you may research such areas as 20th century diplomatic and military history, English history, 18th and 19th century United States history, and American Indian history.

ADVANCED CERTIFICATE OF GRADUATE STUDIES IN HEALTH AND WELLNESS COACHING

See [Advanced Certificate of Graduate Studies in Health and Wellness Coaching](#) listed above under “Community & Organizational Leadership.”

Music – Graduate Program

Patrick Miles, Graduate coordinator
Room 322, Noel Fine Arts Center
Phone: 715-346-2027

Email: pmiles@uwsp.edu OR music@uwsp.edu

In the Music Department you may work toward the Master of Music Education degree with an emphasis in elementary/secondary education, Suzuki talent education, or studio pedagogy. In this program, you prepare for classroom, performance, and administrative responsibilities as a member of the music teaching discipline. You improve your competency in music philosophy, methodology, literature, and applied musical experiences while learning of the most recent trends and innovations in music education. **Please note that this program does not lead to teacher certification.**

A wide range of activities are available to enhance your abilities as a music educator. Seminars and methods courses illuminate practical and philosophical issues in music education. In the Suzuki talent education curriculum, you participate in the renowned institute which brings several thousand students and teachers to the UW-Stevens Point campus each year. You have access to music department resources such as the Computer Music Center with opportunities to learn and apply technological advancements in the field.

Admission to the Program – Music Graduate

To be considered for admission:

1. Complete university and department application forms for admission.
2. Submit a transcript of all undergraduate or graduate work you have taken at other institutions.
3. Have your past administrators, teaching colleagues, or college teachers in your major area send two letters of recommendation on your behalf.
4. If you wish to have an emphasis in elementary/secondary education, you must have state teacher certification. If your emphasis is Suzuki, certification is recommended but optional. If your emphasis is pedagogy, certification is optional.
5. Meet these requirements for certain emphases:
 - a. Elementary/secondary: an undergraduate degree in music education.
 - b. Suzuki talent education: an undergraduate degree in music and a Suzuki-related performance area; OR gain admission by faculty evaluation, based on your performance area, music courses taken toward a related undergraduate degree, and significant Suzuki teaching. You may be required to take additional courses.
 - c. Studio pedagogy:
 - 1) Undergraduate degree in applied music or music education (teacher certification optional).
 - 2) Approval of faculty in your major area of performance. OR
 - 3) Admission by faculty evaluation based on performance area, music courses taken toward a related undergraduate degree, and significant involvement in studio teaching and performance. You may be required to take additional courses.

Admission to Candidacy for Music Graduate Program

To be admitted to candidacy:

1. Complete 9 credits with a grade of B or better.
2. Before you complete 15 credits, adopt a Program of Study, including projected courses, the topic of your culminating experience, and selection of a

graduate committee and project adviser, who is also chair of your committee.

The Program – Music Graduate

To earn your degree, earn at least 30 graduate credits of which 10 must be in music education courses:

1. Applied music, 0-4 credits.
 - a. Suzuki and studio pedagogy: take 2 semesters of applied music on your major instrument, MUS 760-782.
 - b. Elementary/secondary music: applied study is elective.
2. Music theory and applied creativity, 6 credits. If you have deficiencies after taking placement exam, you may be required to take additional theory courses.
3. Music history/literature, 6 credits. If you have deficiencies after taking placement exam, you may be required to take additional music history courses.
4. Music education:
 - a. Elementary/secondary music, Suzuki, 6 credits: MUED 786 and 787 (or 788-Suzuki)
 - b. Studio pedagogy, 6 cr: MUED 786 and MUED 791-796 in applicable performance area.
5. Capstone project, 4 credits (culminating experience).
6. Electives, 4-8 credits.

Culminating Experience for Music Graduate Program

You will write a capstone project and make an oral defense before your committee.

Natural Resources – Graduate Program

Paul Doruska, Associate Dean of Academic Affairs
Room 100, Trainer Natural Resources Building
Phone: 715-346-4617

Email: pdoruska@uwsp.edu

Web: www.uwsp.edu/cnr/graduate

In the College of Natural Resources you may earn the Master of Science in Natural Resources in subject areas such as forestry, forestry-recreation, urban forestry, wildlife, fisheries, limnology, resource management, youth programming, environmental education, international resource management, land use planning, soil science, aquatic toxicology, groundwater, watershed management, and water chemistry.

In the graduate program you have an opportunity for advanced study, research, and involvement in natural resources professional activities. We have designed all our programs to meet your individual needs and interests.

Admission to the Program – Natural Resources Graduate

To be considered for acceptance into the College of Natural Resources graduate program, submit the following:

1. UW-Stevens Point application for graduate study
2. Application to the College of Natural Resources graduate program
3. Resume
4. Copy of a paper written by you
5. Essay describing your professional interests and goals
6. Two letters of recommendation
7. Official Graduate Record Examination (GRE) and TOEFL or IELTS Scores (foreign applicants only)

Minimum guideline scores for each test are as follows:

 - a. For the GRE, you must have a minimum combined Verbal and Quantitative score of at least 1,000 for exams taken prior to August 1, 2011, or at least 300 for exams taken August 1, 2011, or later.
 - b. For the TOEFL, you must have a score of at least 80 on the Internet-based test.
 - c. For the IELTS, you must have a score of at least 7.
 - d. If you fail to meet the minimum guidelines for the GRE or TOEFL, (or IELTS), you may be accepted if your prospective adviser submits a letter of acceptance to the Associate Dean for inclusion in your graduate file.
8. You must also have a 3.00 grade point average during your last two years as an undergraduate.

You do not need an undergraduate major in one of the natural resource specialties. However, you may have to take additional courses to make up deficiencies in your undergraduate curriculum. If you have an undergraduate major in social sciences or humanities, you have more deficiencies than someone with a major in the sciences.

To be admitted to the graduate program you need a faculty member to agree to serve as your adviser. Please contact faculty members in your area of interest to discuss your application. When a faculty member agrees to be your adviser, you will receive a letter of acceptance to the graduate program.

The Program – Natural Resources Graduate

1. You must earn at least 30 credits in graduate courses that are approved by your graduate committee. At least 15 credits must be in courses numbered 700 and above.
2. You and your graduate committee will select courses based on you and your research needs.
3. Your graduate committee must consist of at least three members of the graduate faculty, at least two

with home appointments in the College of Natural Resources.

4. You must enroll for at least 3 thesis (NRES 799) or independent study (NRES 796) credits during each semester you are a full time student.
5. You must complete one credit of NRES 795, and one credit of NRES 750 or 791. A maximum of five credits in NRES 750, 791, 794 and 795 counts toward your 30-credit requirement.
6. You must pass a comprehensive oral final exam conducted by your graduate committee that includes questions on your thesis or project and on your courses.
7. You must complete either the Thesis Option or the Non-Thesis Option:
 - a. **Thesis option** (recommended for most students)
 - 1) Complete a thesis.
 - 2) A maximum of 6 thesis credits (NRES 799) count toward your 30-credit requirement
 - 3) Submit a bound and an electronic copy of your thesis to the University Library.
 - b. **Nonthesis option** (available only with approval of your graduate committee)
 - 1) You must complete an Independent Study Project.
 - 2) A maximum of six independent study (NRES 796) credits count toward your 30- credit requirement.
 - 3) Submit a bound copy of your independent study project-paper to the University Library.

Culminating Experience for Natural Resources Graduate Program

You must take a comprehensive final oral examination conducted by your graduate committee which includes questions on your thesis or seminar paper and on courses.

MS Degree with Emphasis in Human Dimensions of Natural Resources – Non-thesis

The following Natural Resources MS programs emphasize the Human Dimensions aspects of Natural Resources Management. These MS degree programs provide graduates with relevant advanced professional knowledge and skills. These programs do not require a thesis and thus are not intended to prepare graduates for doctoral programs. As a candidate for these programs, you must have relevant undergraduate degrees (e.g. natural resources, natural sciences, education, etc.) and relevant work experience. A faculty adviser complementary to your interests will be determined based on the recommendation of the Faculty Advisory Council for each program track.

- 1) **MS in Natural Resources in Environmental Education and Interpretation.** This wholly distance-education program is designed for working professionals who wish to develop their skills and expertise in natural resources, environmental education and interpretation, applied research, and leadership. You must have 3-5 years of relevant work experience to apply.
- 2) **MS in Natural Resources in Leadership and Administration.** This wholly distance-education program is designed for working professionals who wish to develop their skills and expertise in natural resource leadership, policy and administration, and applied research. You must have 3-5 years of professional experience in an agency, NGO, or industry related to natural resources and an undergraduate degree in a field of Natural Resource Management or Environmental Education to apply
- 3) **MS in Natural Resources/ Environmental Education for K-12 Teachers.** This program is open to licensed, continuing teachers who wish to develop their skills and expertise in natural resources, environmental education, applied research, methodology, and leadership. Your adviser will be determined based on the grade level you teach and your professional interests.
- 4) **MS in Natural Resources/Residential Environmental Education Program.** This program is a partnership between the College of Natural Resources and a residential EE center. Designed for student interns/fellows who wish to develop their skills and expertise in natural resources, residential environmental education programming, applied research, and leadership. Courses are offered online, at residential EE centers, and on campus.

Post Baccalaureate Concentration in Environmental Studies (for teacher licensure)

If you are a teacher with a license in secondary science you may receive licensure in environmental studies after completion of this concentration. Additional requirements include completion of Praxis II, Professional Development Portfolio, and student teaching at the appropriate developmental range and certification area. For more information, contact the School of Education at 715-346-2040.

Program Requirements for MS Degree with Emphasis in Human Dimensions of Natural Resources – Non-thesis

- 1) You must earn at least 30 credits (36 in Non-Project Option) in graduate courses approved by your adviser. At least 15 credits must be in courses numbered 700 or above.
- 2) You must complete graduate courses in at least three disciplines (e.g. forestry, wildlife, biology, or education).
- 3) You must complete one credit of NRES 750 and 795.
- 4) You must complete the core course requirements for each track (determined by the Faculty Advisory Council).
 - a) **Non-thesis Project Option**
 - 1) You must complete a minimum 30 credit Program of Study of graduate courses approved by your adviser which includes an independent study paper (NRES 796 or 798) for 3 credits related to your professional situation.
 - 2) You must submit a bound copy of your independent study paper to the University Library.
 - b) **Non-thesis Comprehensive Exam Option**
 - 1) You must complete a 36 credit Program of Study of graduate courses approved by your adviser.
 - 2) You must pass a comprehensive written exam on coursework completed.

For more information go to

www.uwsp.edu/natres/msnree or contact the Wisconsin Center for Environmental Education at 715-346-4176.

Faculty/Staff, Emeritus Faculty and Academic Staff, and University Associates

For the Faculty/Staff, Emeritus Faculty and Academic Staff, and the University Associates lists, please visit www.uwsp.edu/acadaff/Catalog%20PDF/UWSP_Faculty_Staff_current.pdf

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