

This is an evolving online catalog of requirements to obtain a degree.

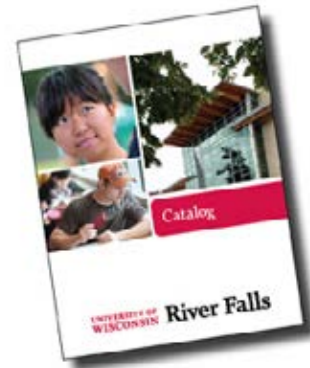
- Information is updated throughout the academic year.
- Information reflects the most up-to-date information approved for the Web.
- NOT all modifications are reflected online.
- Consult your academic advisor for more information.
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[Form for updates to the catalog.](#)
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[Academic Standing and Registration Policies](#)

[Admissions Information](#)

[Financial Aid Information](#)

[Institutional Accreditation Information](#)



Related Resources

[Majors and Academic Plans](#)

General information about the major including a description of the program, facilities, faculty, career options, and some examples of how students might fulfill a program in four years.

The Majors and Academic Plans pages do NOT include degree requirements which are found in the Catalog.

[What can I do with my Major?](#)

University of Wisconsin-River Falls
410 S. 3rd Street, River Falls WI 54022 USA
Campus Information (715) 425-3911

Accreditation

Accredited by The Higher Learning Commission
and a member of the North Central Association

The Higher Learning Commission [↗](#) (HLC) is an independent corporation and one of two Commission members of the North Central Association of Colleges and Schools (NCA). For contact information, visit their [Web site](#) [↗](#) or phone (312) 263-0456.

Program Accreditations

- [Accrediting Council on Education in Journalism and Mass Communications](#) [↗](#)
- [The American Society of Agricultural and Biosystems Engineering](#) [↗](#)
- [The American Chemical Society](#) [↗](#)
- [The Association to Advance Collegiate Schools of Business–International](#) [↗](#)
- [Council for Academic Accreditation in Audiology and Speech-Language Pathology \(CAA\)](#) [↗](#)
- [Council on Social Work Education](#) [↗](#)
- [National Association of School Psychologists](#) [↗](#)
- [The National Association of Schools of Music](#) [↗](#)

Member of:



- [The American Association of Colleges for Teacher Education](#) [↗](#)
- [The American Association of State Colleges and Universities](#) [↗](#)
- [The American Association of State Colleges of Agriculture and Natural Resources](#) [↗](#)
- [The American Council on Education](#) [↗](#)
- [The Association to Advance Collegiate Schools of Business–International](#) [↗](#)
- [The North American Colleges and Teachers of Agriculture](#) [↗](#)

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Catalog Archives

(The evolving online catalog is archived during the week of August 31 of each year)

The undergraduate and graduate catalogs have been combined into one Catalog during the 2010-2011 school year.

[Catalog 2011-2012](#)  (archived 8/30/2011)
[Course Descriptions](#) 

[Undergraduate Catalog \(including course descriptions\) 2010-2011](#) 
[Policies 2010-2011](#) 



[Undergraduate Catalog 2009-2010](#)
[Course Descriptions 2009-2010](#) 

[Undergraduate Catalogs 2006-2007, 2007-2008, 2008-2009](#)

[Graduate Catalog 2010](#) 

Pre 2006

[Undergraduate Catalog 2003-2005](#)
[Undergraduate Catalog 2001-2003](#)

[Graduate Catalog 2004-2006](#) 
[Graduate Catalog 2002-2004](#) 

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Catalog Edit Form

Corrections will be made upon verification of approval.

Please include the Faculty Senate Motion Number in the Change Summary if applicable.

First Name:

Last Name:

W Number:

Email:

Department:

Page URL:

The full URL of the page you wish to edit, including http://. Visit the page then Copy and Paste the URL.

Change Summary:

A brief description of the change, such as "Change the list of electives to include . . ."

Changed Content:

Copy and paste the corrected information into this text area. Include the entire page or just the portion that has changed (with instructions on where it occurs on the page).

Submit

Course Listings

Class Schedule Lookup

Course Listing by Discipline

ABRD - Abroad, Study	HUMT - Humanities Elective
ACCT - Accounting	HWM - Health and Wellness Management
AED - Alternative Education	IHUM - Interdisciplinary Capstone Humanities
AFES - Agriculture, Food and Environmental Science	INTS - International Studies
AGBI - Agricultural Biotech	ISCI - Interdisciplinary Capstone Science
AGEC - Agricultural Economics	ISSC - Interdisciplinary Capstone Social Science
AGED - Agricultural Education	JAPN - Japanese
AGEN - Agricultural Engineering	JOUR - Journalism
AGRI - Agricultural Electives	LAHU - Liberal Arts Humanities
ANSC - Animal Science	LANS - Liberal Arts Science
ANTH - Anthropology	LASS - Liberal Arts Social Science
ART - Art	MARC - Marketing Communications
BFSS - Broad Field Social Studies	MATH - Mathematics
BIOL - Biology	MDIS - Multidisciplinary
BIOT - Biotechnology	MKTG - Marketing
BLAW - Business Law	MNGT - Management
CBE - College of Business and Economics	MODL - Modern Language
CHEM - Chemistry	MONT - Montessori
CHIN - Chinese	MSL - Military Science
CJ - Criminal Justice	MUS - Music
CNST - Consortium	MUSA - Music Applied
COMD - Communicative Disorders	MUSE - Music Ensemble
COMS - Communication Studies	NSE - National Student Exchange
COUN - Counseling	P E - Physical Education Freshmen
CROP - Crop Science	P ED - Physical Education
CSIS - Computer Science and Information Systems	P ET - Physical Education Testout
DANC - Dance Education	PART - Pigeon Lake Art
DASC - Dairy Science	PBIO - Pigeon Lake Biology
DFT - Digital Film and Television	PHIL - Philosophy
ECON - Economics	PHYS - Physics
EDTC - Educational Technology	PL - Pigeon Lake
EDUC - Education	PLP - Principal Licensure Program
ELEC - Electives	POLS - Political Science
ENGL - English	PSYC - Psychology
ESM - Environmental Science	PTED - Pigeon Lake Teacher Education
ETHN - Ethnic Studies	READ - Reading
EXSS - Exercise Sport and Science	RES - Resource Management
FDSC - Food Science	SCHO - Science, Honors
FILM - Film	SCI - Science Electives
FINC - Finance	SCON - Summer Consortium
FREN - French	SFED - Safety Education
GEHU - General Education Humanities	SIC - Shared Inquiry Community
	SMGT - Sustainable Management
	SOCI - Sociology

GEM - Golf Enterprise Management
GEN - General Electives
GENG - General Engineering
GENS - General Education Science
GEOG - Geography
GEOL - Geology
GERM - German
GESS - General Education Social Science
HEAL - Health Education
HIST - History
HON - Honors
HORT - Horticulture
HUM - Humanities

SOIL - Soil Science
SOSC - Social Science
SOWK - Social Work
SPAN - Spanish
SPED - Special Education
SPSY - School Psychology
SUPR - Supervision
TED - Teacher Education
TESL - Teaching English to Speakers of Other Languages
THEA - Theatre Arts
UNIV - University
WGST - Women's and Gender Studies
WIS - Wisconsin in Scotland

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Degree Requirements

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College Requirements

Requirements for degrees in each college are found by following the college links to the left.

The university, including all four colleges, requires general education courses and other requirements as outlined below.

general education: a series of courses required in all majors designed to develop essential academic skills, to acquaint students with their cultural heritage, and to provide them with a broad base of liberal studies in the humanities, mathematics, and in the social and physical sciences.

- CW Communication - Reading and Writing
- CS Communication - Speaking and Listening
- CA Advanced Communication
- SB Social and Behavioral Sciences
- HF Humanities and Fine Arts
- M Mathematics
- SL Scientific Investigation
- S Sciences
- MD Multidisciplinary Inquiry
- HW Personal Health and Wellness
- EC Ethical Citizenship

university requirements: two university requirements, American Cultural Diversity (ACD) and Global Perspectives (GP), need to be completed in any degree program and are not General Education requirements.

college: a constituent unit of a university, furnishing courses of instruction in the liberal arts and sciences, usually leading to a bachelor's degree.

university: an institution of learning of the highest level, having a college of liberal arts and a program of graduate studies together with several professional schools, as of agriculture, business, and education, and authorized to confer both undergraduate and graduate degrees.

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College of Agriculture, Food and Environmental Sciences

Bachelor of Science Degree: 120-128 Total Credits including:

- General Education Courses
- Foundation Courses in Agriculture
- Major Courses
- Required courses and electives as required by the major

Majors	Options/Emphases within Majors	Minors
Agricultural Business		<ul style="list-style-type: none"> • Agricultural Economics • Farm Management
Agricultural Education		
Agricultural Engineering Technology	<ul style="list-style-type: none"> • Agricultural Engineering Technology Option • Environmental Engineering Technology Option • Mechanized Systems Management Option 	<ul style="list-style-type: none"> • Agricultural Engineering Technology
Agricultural Studies		
Animal Science	<ul style="list-style-type: none"> • Meat Animal Emphasis <ul style="list-style-type: none"> -Management Option -Science Option -Minor Option • Equine Emphasis <ul style="list-style-type: none"> -Management Option -Science Option -Minor Option • Veterinary Technology Emphasis 	<ul style="list-style-type: none"> • Animal Science
Conservation		<ul style="list-style-type: none"> • Conservation
Community Planning		<ul style="list-style-type: none"> • Community Planning

Crop and Soil Science	<ul style="list-style-type: none"> • Crop Science Option • Soil Science Option • Sustainable Agriculture Option 	<ul style="list-style-type: none"> • Crop Science • Soil Science
Dairy Science	<ul style="list-style-type: none"> • Management Option • Science Option • Minor Option 	<ul style="list-style-type: none"> • Dairy Science
Environmental Science		<ul style="list-style-type: none"> • Environmental Studies • Sustainability Studies
Food Science and Technology	<ul style="list-style-type: none"> • Industry Option • Dairy Technology Option • Science Option 	<ul style="list-style-type: none"> • Food Science
Geology	<ul style="list-style-type: none"> • Environmental/Engineering Emphasis • Environmental/Hydrogeology Emphasis (see Hydrogeology minor) • Graduate School Emphasis • Mineral Exploration Emphasis • Ocean Sciences Emphasis • Paleontology Emphasis • Petroleum Geology Emphasis 	<ul style="list-style-type: none"> • Earth Science • Geology • Hydrogeology
Horticulture	<ul style="list-style-type: none"> • Professional Horticulture Option • Landscape Design and Contracting Option 	<ul style="list-style-type: none"> • Horticulture

Interdisciplinary Majors

Biotechnology
Marketing Communications
Sustainable Management (Online program)

Interdisciplinary Minors

Sustainable Agriculture

Graduate Programs and Certificates

Master of Science in Agricultural Education

Sustainable Community Planning Graduate Certificate

210 Agricultural Science Building
(715) 425-3784
(715) 425-3785 FAX
<http://www.uwrf.edu/CAFES/>

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College of Arts and Sciences

A total of 120 semester hours is required for graduation. One full year of work (30 credits) must have been done in residence and the last 15 credits for the degree must have been done in residence unless the dean of the college permits an exception. A candidate must have an honor point average of 2.25 in advanced courses (numbered 300 and above) in the major field of specialization and must have an overall honor point average of 2.0 to graduate.

Liberal Arts Degrees

<p>Bachelor of Arts General Education: 38 cr. hrs. Major: 34-36 cr. hrs</p>	<p>Bachelor of Fine Arts Requirements for this degree are identified in the Art Major.</p>	<p>Bachelor of Science General Education 38 cr. hrs. Major/Minor (Major 34-36/Minor 21-24) 55-60 cr. hrs.</p>
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Options in the Liberal Arts Degrees

To provide flexibility for programs in the Bachelor of Science degree, students are provided the following options:

Standard Option

A departmental major (usually 34-36 hours) and a departmental minor (usually 21-24 hours) or a broad field major (usually 56-60 hours).

Individualized Interdisciplinary Option

A special program of studies intelligently arranged around the particular academic and professional needs of the student. It generally consists of the core of a major along with an interdepartmental grouping of courses in a minor reflecting a career/learning focus for a minimum total of 60 credit hours. Designed in consultation with the student's adviser before beginning the junior year, it must be submitted to and approved by the Dean of the College of Arts and Sciences at that time. The proposed program is accompanied by a letter from the student justifying the purposes of the program in relation to the student's needs and a letter of validation from the adviser.

Professional Option

A broad program of studies basic to later professional work. A student transferring at the conclusion of the junior year to a professional school may have a part of the work in the professional school applied toward the senior year for the bachelor's degree. Details must be worked out by the student and the adviser and approved by the Dean of the College of Arts and Sciences before the junior year. A Dual Degree-Physics, Chemistry and Engineering is available

Internships in the College of Arts And Sciences

The Internship Program offers the student a number of opportunities for earning credit in work and training off campus and on campus. This internship is open to those students who have completed at least 60 credits of course work. Internships may be arranged for up to 12 undergraduate credits in the student's major or

minor field, depending upon departmental allowances. Credits may be earned all in one semester or summer, but in no more than two academic terms, two credits being the minimum for any one internship; some departments have a higher credit minimum. The internship courses are numbered 379.

A sophomore level internship course, numbered 279, is also offered by many departments. These internships are identified as "introductory professional work experiences."

The fee schedule for the interning student will be the same as the fee schedule for an on-campus student. Each department, with the approval of the Dean of the College, will decide the appropriate number of hours for each internship, according to the level of the work experience in relation to upper division courses, the extent of work involved and the relationship of the work to professional academic pursuits. Individual departments will determine if internship programs can substitute for required courses in the major or minor field. A minimum number of 45 work experience hours per week for the semester is required for 12 credits.

Internship proposals may be initiated by the student, the major or minor department or off-campus agencies. Planning with the academic adviser for an internship should precede the semester in which the proposal is submitted. Some applications for an internship should be submitted to the department chair for approval while other applications should be submitted to the dean of the college for approval at least six weeks prior to the intended start of the internship, after its first having been processed and approved by the faculty adviser and department chairperson. Students must register for the internship credits during the semester the internship is conducted in order to receive credit. The work supervisor and faculty adviser will evaluate the student's experience. The department will require additional evaluation, the methods to be worked out between the student and his/her faculty adviser within the guidelines of the college. A summary written by the student is submitted to the dean along with the two evaluations prior to the submission of a grade

Independent Study and Directed Readings

In accordance with university policy, the College of Arts and Sciences offers independent study through most departments. Additionally, most departments offer courses in directed readings. Independent Study (numbered 499) is defined as an individually designed topic or course of study or unstructured research to meet the needs of a student. Directed Readings (numbered 490) is a course that is generally prescribed as to its content, materials and activities; it may be used to instruct students in the materials of a given course when that course is taken out of sequence or individually, but under the direction of an instructor.

Students will be limited to nine credit hours of independent study course work and nine credit hours of directed readings but with a combined maximum of 12 credit hours within the 120-credit degree program. Individual departmental courses of study may allow fewer such credits than this maximum for their majors or minors. From one to three credits may be taken in each of these courses in a given semester, depending upon departmental requirements and availability. Students should plan for such courses with their major adviser. Application for independent study or directed readings must be processed through the department chairperson for approval of the course proposal and assignment of a faculty adviser

College Interdepartmental Offerings

Interdepartmental courses are typically identified by and listed in the departments which offer them, such as, BIOL/CHEM 343 - Microtechniques and Electron Microscopy or ENGL/GEOG/HIST 385 - Interdisciplinary Seminar on the American Frontier.

Majors

Options/Emphases

Minors

<p>Art (with minor or additional major)</p> <p>Fine Arts (BFA)</p> <p>Broad Area Art</p> <p>Education Broad Area Art</p>	<ul style="list-style-type: none"> • Clay • Fibers • Glass • Metals • Painting • Photography • Print Making • Sculpture 	<ul style="list-style-type: none"> • Art • Art History
<p>Biology:</p> <p>Liberal Arts</p> <p>Education</p>	<ul style="list-style-type: none"> • General Biology Option • Biomedical Sciences Option • Field Biology Option 	<ul style="list-style-type: none"> • Biology
<p>Chemistry:</p> <p>Liberal Arts</p> <p>Education</p> <p>ACS Approved</p> <p>Dual Degree with Engineering</p>	<ul style="list-style-type: none"> • Chemistry Option • Biochemistry Option • Secondary Education Option • ACS Regular Option • ACS Biochemistry Option • ACS Polymer I and II Options 	<ul style="list-style-type: none"> • Chemistry: Liberal Arts and Education
<p>Communication Studies:</p> <p>Liberal Arts, B.S., B.A.; Secondary Education</p>	<ul style="list-style-type: none"> • Human Communication (Professional and Organization, Personal/Cultural, Public) Emphasis • Digital Film and Television Communication (DFT) Emphasis 	<ul style="list-style-type: none"> • Communication Studies • Digital Film and Television Communications
<p>English:</p> <p>English</p> <p>English Education</p> <p>Broad Area English Education</p>	<ul style="list-style-type: none"> • Literature Emphasis • Creative Writing Emphasis 	<ul style="list-style-type: none"> • English Liberal Arts-Literature Emphasis • Creative Writing • Language Arts/ Reading • Professional Writing
<p>Geography:</p> <p>Liberal Arts</p> <p>Liberal Arts with GIS/Cartography Minor</p>		<ul style="list-style-type: none"> • Geography Liberal Arts: Elementary and Secondary Education • Geographic Information Systems/Cartography
<p>History:</p> <p>Liberal Arts</p>		<ul style="list-style-type: none"> • History: Liberal Arts, Education

Broad Field Social Studies		<ul style="list-style-type: none"> • Philosophy
Journalism		<ul style="list-style-type: none"> • Journalism
Mathematics: Liberal Arts Education		<ul style="list-style-type: none"> • Mathematics: Liberal Arts, Education, Mathematics for Elementary Education, Business or Social Science
Modern Language: Liberal Arts	<ul style="list-style-type: none"> • French-Liberal Arts • German-Liberal Arts • Spanish-Liberal Arts • French-Education • Spanish-Education 	<ul style="list-style-type: none"> • Asian Studies • French: Liberal Arts, Education • German: Liberal Arts • Spanish: Liberal Arts, Education
Music: Education Liberal Arts	<ul style="list-style-type: none"> • Music Education: Choral • Music Education: Instrumental 	<ul style="list-style-type: none"> • Music • Musical Theatre
Physics: Liberal Arts Secondary Education	<ul style="list-style-type: none"> • Option I (grad/research) • Option II (other areas) • Applied Option 	<ul style="list-style-type: none"> • Physics: Liberal Arts, Education
Political Science		<ul style="list-style-type: none"> • Political Science
Psychology		<ul style="list-style-type: none"> • Psychology
Sociology		<ul style="list-style-type: none"> • Anthropology • Criminal Justice • Sociology: Liberal Arts, Education
Teaching English to Speakers of Other Languages: Liberal Arts Education		<ul style="list-style-type: none"> • Teaching English to Speakers of Other Languages: Liberal Arts, Education
Theatre Arts Liberal Arts		<ul style="list-style-type: none"> • Theatre Arts: Liberal Arts

136 Kleinpell Fine Arts
 (715) 425-3777 or 3366

(715) 425-3367 FAX
www.uwrf.edu/cas/

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College of Business and Economics

Admission Standards for all majors in the CBE

Minimum GPA of 2.50 is required in the lower level CBE courses. Completion of at least 27 required general education credits with a minimum GPA of 2.25. Additionally, the following must be completed, or in progress for completion, during the semester preceding admission. Students may register prior to acceptance, but acceptance is required for attendance in CBE upper-level courses. Students with CBE Lower Level GPAs between 2.25 and 2.50 may petition the Assistant Dean for consideration on a case-by-case basis.

For admission to accounting and business majors:	For admission to the computer science and information systems major:	For admission to the economics major:
GPA of 2.50 in CBE 100, ACCT 231, 232; ECON 201,202; CSIS 215; ECON 205 or MATH 156 or MATH 166; ECON 226 or MATH 226; COMS 116 or ENGL 266.	GPA of 2.50 in CBE 100, CSIS 161, 162, and 235 for the CS Option; GPA of 2.50 in CBE 100, CSIS 161, 162 and 215 for the IS Option.	GPA of 2.50 in CBE 100, ECON 201, 202, 205; ENGL 100, 200.

Degree Requirements

To obtain a degree in the College of Business and Economics students must acquire a minimum of 120 semester hours. In order to complete a degree in four years, students need to take approximately 15 appropriate credits per semester. Students are encouraged to use advanced placement credits and transfer credits to provide flexibility in their programs and to expand their educational backgrounds. The Admissions Office, the College of Business and Economics student adviser, and faculty advisers will assist students to maximize their educational opportunities in an efficient manner.

The College of Business and Economics degree consists of the following components:

- **General Education Requirements**
- **University Requirements:**
 All students are required to take an American cultural diversity course and a global perspectives course. The American cultural diversity and global perspective requirements can fulfill another requirement in a student's major/minor program, if appropriate. These two university requirements need to be completed in any degree program and are not general education requirements.
- **Major:**
 All students earning a major within the College of Business and Economics must complete at least half of their 120 credits required for graduation outside the college. In addition, they must complete at least 50 percent of the business credits in the College of Business and Economics at UW-River Falls.

 Students majoring in Economics have the choice of graduating from the College of Business and Economics or from the College of Arts and Sciences. Students who graduate from the College of Arts and Sciences must meet that college's requirements.
- **Minor, if required:**
 In addition to the standard minors listed (Option A), College of Business and Economics students can design their own minors to meet their individual educational and career goals (Option B).

- **Electives:**

As required to reach a minimum total of 120 credits.

Majors	Options/Emphases	Minors
Accounting		
Business Administration (requires a minor or double major) Business Administration (Finance, Management or Marketing)	<ul style="list-style-type: none"> • Finance • Management • Marketing 	<ul style="list-style-type: none"> • Business Administration
Computer Science and Information Systems	<ul style="list-style-type: none"> • Computer Science • Information Systems 	<ul style="list-style-type: none"> • Computer Science and Information Systems • Computer Science • Information Systems
Economics	<ul style="list-style-type: none"> • College of Business and Economics • College of Arts and Sciences (Liberal Arts) 	<ul style="list-style-type: none"> • Economics
		<ul style="list-style-type: none"> • Military Science and Leadership

124 South Hall
 (715) 425-3335
 (715) 425-0707 FAX
www.uwrf.edu/cbe/

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College of Education and Professional Studies

Admission to Teacher Education

Application for [admission to teacher education](#) is made through the Dean of the College of Education and Professional Studies. Students should begin the admission to teacher education process when they have completed 40 semester credits of course work.

Students in the middle/secondary education program must be admitted to teacher education before they are permitted to enroll in the following methods courses: [TED 420](#), [422](#) and the appropriate methods course(s) in the major(s) and/or minor(s) [TED 429-441](#).

For students in the elementary education program, admission to teacher education is a prerequisite for enrollment in the following Block I courses: [TED 312](#), [315](#), [317](#).

Students majoring in agricultural education apply for admission to teacher education through the department of agricultural education.

Admission to Teacher Education is based on requirements of the Wisconsin Department of Public Instruction and the College of Education and Professional Studies.

Current information is available in the student handbook and on the [college website](#). Students are responsible for checking the website for the information they will need.

Praxis I Preprofessional Skills Test (PPST) Requirement: The Praxis I (PPST) is generally taken during your first or second year of college. You must pass all sections of the Praxis I (PPST) before you can be admitted into the Teacher Education program.

Appeal Procedures for Admission to Teacher Education

Admission to Student Teaching or Interning

Admission to Social Work

Majors	Options/Emphases	Minors
Communicative Disorders	Emphases in the Minor: <ul style="list-style-type: none"> • Early Childhood • School Age Adult 	<ul style="list-style-type: none"> • Communicative Disorders
Elementary Education	Recommended Minors: <ul style="list-style-type: none"> • Communication Studies and Theatre Arts • Early Childhood Certification • Health Education • English Language Arts • Broad Field Science • General Science 	Other Acceptable Minors: <ul style="list-style-type: none"> • Anthropology • Biology • Chemistry • Coaching • Communicative Disorders • Dance Education • Earth Science

	<ul style="list-style-type: none"> • Mathematics • Modern Language (French, German, Spanish) • Broad Field Social Studies • Teaching English as a Second Language 	<ul style="list-style-type: none"> • Economics • English • Geography • History • Journalism • Philosophy • Physics • Political Science • Psychology • Sociology
Health and Human Performance	<ul style="list-style-type: none"> • Comprehensive K-12 Physical Education • Exercise and Sport Science • Health Education • Health and Wellness Management 	<ul style="list-style-type: none"> • Adapted Physical Education • Coaching • Dance Education • Health Education • Outdoor Education
<p>Secondary Education</p> <p>Approved Minors Notes: 1-Cooperatives. Wisconsin law requires that teachers of economics, social studies and agriculture complete adequate instruction in consumers' cooperatives and cooperative marketing. Students in agriculture can satisfy this requirement by successful completion of AGECE 240 or 355. Students in economics and social sciences can satisfy this requirement by successful completion of TED 433 or AGECE 240 or 355.</p> <p>2-If you are interested in teaching economics, geography, history, political science, psychology or sociology, please see Social Science, Broad Field.</p>	<p>Approved Majors: Early Adolescence - Adolescence (EA-A) Programs, teaching ages 11-21 years.</p> <p>Comprehensive Majors:</p> <ul style="list-style-type: none"> • Broad Field Science-Physical Science Certification • Broad Field Science-Science Certification • Broad Field Social Studies • Broad Area English <p>Majors:</p> <ul style="list-style-type: none"> • Biology • Chemistry • Communication Studies • Communicative Disorders - does not lead to licensing at the undergraduate level • Geology-Earth Science Certification • English • Mathematics • Physics 	<p>Approved Minors:</p> <ul style="list-style-type: none"> • Anthropology-1 • Biology • Chemistry • Coaching • Communication Studies • Dance Education • Earth Science-2 • Economics-1 • English • French - with an EA-A major • Geography-1 • German - with an EA-A major • Health Education • History-1 • Mathematics • Physics • Political Science-1 • Spanish - with an EA-A major • Sociology-1 • TESOL - with an EA-A major
	<p>Early Childhood - Adolescence (EC-A) Programs, teaching a</p>	<p>Minors:</p>

	<p>variety of ages in school settings</p> <p>Comprehensive Majors:</p> <ul style="list-style-type: none"> • Broad Area Art • Music (choral or Instrumental options) • Health and Human Performance • Agricultural Education <p>Majors:</p> <ul style="list-style-type: none"> • Teaching English as a Second Language (TESOL) • Modern Language (French, German, and Spanish options) • Health Education 	<ul style="list-style-type: none"> • Teaching English as a Second Language (TESOL) only with an EC-A Modern Language major • French - only with an EC-A Modern Language or TESOL major. • German - only with an EC-A Modern Language or TESOL major. • Spanish - only with an EC-A Modern Language or TESOL major. • Coaching - only with a Physical Education Major • Adapted Physical Education - requires a major in Health and Human Performance (K-12) education.
<p>Social Work</p>	<ul style="list-style-type: none"> • BSW degree program 	

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University Requirements

ACD (American Cultural Diversity) – select one course (can be double counted anywhere in your degree program)

- ANTH/SOCI 322 Sociology of Race and Ethnicity (3)
- THEA 230 Playwrights of Color (3)
- DFT/FILM 248 Cultures in Conflict (3)
- COMS 213 Intercultural Communication (3)
- ECON 312 Political Economy of Diversity (3)
- ENGL 203 Literature of the African American Experience (3)
- ENGL 208 Literature of the Native American Experience (3)
- ENGL 212 The Native American in Literature (3)
- ENGL 228 Literature of Environmental Justice (3)
- ENGL/WGST 235 American Autobiography: Personal Narrative (3)
- ENGL 252 Multicultural Education: Language, Media, and Philosophy (3)
- ENGL/FILM 307 Ethnic Film, Literature, and Culture (3)
- ENGL/WGST 443 American Ethnic Women Writers (3)
- ETHN 200 Introduction to Ethnic Studies (3)
- GEOG 237 Poverty in the United States (3)
- HIST 206 Native American and the United States (3)
- HIST 207 African American History (3)
- JOUR 315 Race, Class & News (3)
- MNGT 330 Managing Workplace Diversity (3)
- MUS 255 History of Jazz (3)
- POLS 212 The Politics of Equality and Inequality in the United States (3)
- PSYC 285 Psychology of Prejudice and Racism (3)
- SOCI 220 Sociology of Diversity (3)
- TED 252 Foundations of Multicultural Education (3)
- TED 325 Diversity in Early Childhood (3)
- WGST 200 Introduction to Women's and Gender Studies (3)

GP (Global Perspectives) – select one course (can be double counted anywhere in your degree program)

- AGECE 250 World Food and Population (3)
- ART 291 Asian Art History (3)

These two University Undergraduate Requirements (ACD and GP) need to be completed in any degree program and are not General Education requirements.

- BIOL 308 HIV/AIDS: Science and Society (3)
- CSTA 227 World Puppetry (3)
- ECON 328 Dom Topics in African, Asian, & Latin American Econ Dev (3)
- ECON 329 Global Topics in African, Asian, & Latin American Econ Dev (3)
- ECON 340 Contemporary International Trade (3)
- ENGL/WGST 214 Women's Literature (3)
- ENGL 230 International Short Fiction (3)
- ENGL 232 Contemporary Drama (3)
- ENGL 234 Modern Novels (3)
- ENGL/FILM 309 Film and Literature of the New Europe (3)
- ENGL/FILM 306 Postcolonial Film and Literature (3)
- ENGL 308 Russian Literature: Society and Culture (3)
- ENGL/FILM 317 Modern East Asian Literature and Cinema (3)
- ENGL/FILM/INTS 442 World Cinema (3)
- EXC 205 - China: Society & Culture (3)
- FREN/FILM 316 History of French Cinema (3)
- GEOG 342 Latin America (3)
- GEOG 344 Asia and Oceania (3)
- GEOL 350 Geological Destinies of Nations (3)
- HIST 201 Intro to Asian Civilization (3)
- HIST 202 Introduction to Latin American Civilizations (3)
- HIST 203 The Mediterranean: A Survey (3)
- HIST 209 Introduction to African History (3)
- HIST 333 Silk, Spices, and Silver (3)
- HIST 336 Traditional East Asia, Prehistory-1800 (3)
- HIST 382 Culture and Civilization of Italy (3)
- INTS 365 Contemporary Europe (3)
- INTS/POLS 371 The Politics of German-speaking Europe (3)
- INTS/POLS 372 The Politics Scotland (3)
- INTS 377 Semester Abroad (6)
- MNGT 355 International Business (3)
- MODL 376 Mexico: A Cultural Experience (3)
- MUS 300 World Music (3)
- PHIL 245 Eastern Religions and Islam (3)
- POLS 245 Introduction to Comparative Politics (3)
- POLS 260 Introduction to International Relations (3)
- SOCI/ANTH 231 Sociology of Globalization (3)
- SOCI/ANTH 395 Belize Study Tour (3)
- TED 327 Australia: An Integrated Cultural Study (3)
- WGST 320: Gender Issues in Science (3)
- WIS 305 Scotland: Society and Globalization (3)

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General Education Requirements

For a full description of the Goals and Objectives including revisions, refer to the Faculty Senate General Education Goals, Criteria and Outcomes.

Approved Courses

GOAL ONE: COMMUNICATE EFFECTIVELY: Students will demonstrate the ability to read, write, speak, and listen effectively.

CW (Communication – Reading and Writing) – select one course

- ENGL 100-Academic Reading and Writing (3)
- ENGL 101-Freshman English for International Students I (3)

CS (Communication – Speaking and Listening) – select one course

- CHIN 101-Beginning Chinese I (4)
- FREN 101-Beginning French I (4)
- GERM 101-Beginning German I (4)
- JAPN 101-Beginning Japanese I (4)
- SPAN 101-Beginning Spanish I (4)
- COMS 101-Fundamentals of Oral Communication (3)
- COMS 116-Business and Professional Communication (3)

CA (Advanced Communication) – select one course

- ENGL 200-Investigating Ideas: Reading, Writing, & the Disciplines (3)
- ENGL 201-Freshman English for International Students II (3)

GOAL TWO: DEMONSTRATE KNOWLEDGE OF PAST AND PRESENT HUMAN ENDEAVOR: Describe the diverse ways of thinking that underlie the search for knowledge in the arts, humanities, and social sciences.

SB (Social and Behavioral Sciences) – select two courses (Courses taken under both SB and HF designators must be from different disciplinary prefixes)

- ANTH 100-Introduction to Anthropology (3)
- ECON 100-Modern Economics (3)
- ECON 150-International Economics Issues (3)
- ESM 107-Planning for a Sustainable Society (3)
- GEOG 120-Human Geography (3)
- HIST 100-Defining Themes in U.S. History (3)
- HIST 101-Origins of Civilization (3)
- HIST 102-History of the Modern World, 1500-Present (3)
- HIST 201-Introduction to Asian Civilization (3)
- HIST 333-Silk, Spices, and Silver: The Making of the Global Exchange System to 1700 (g) (3)

UWRF General Education Mission Statement

The purpose of the UWRF General Education program is to facilitate the acquisition and integration of knowledge, abilities, and ethics in order to form a foundation for lifelong learning.

The interdisciplinary foundation includes the ability to communicate effectively; to demonstrate knowledge of past and present human endeavor; apply scientific principles to the human and natural world; engage in multidisciplinary inquiry; and to evaluate individual responsibility to self, society, and the world.

To accomplish this mission there are five goals with one to three designators to each of the goals, with a certain number of credits attached. The goals are outlined below with the approved courses.

The total number of credits needed to complete the general education program is 38.

Courses that are listed in two designations will only count in one area. (e.g. ART/PHIL 310 is listed as being approved as HF and MD, however it will only count in one area, either HF or MD).

(No general education class can double count as a requirement in a first major. But a general education course can be counted as a 'required supporting course' in the major. Up to two courses (generally 6 credits) can be double counted as credits towards a minor, a second major or a broad area or comprehensive major.)

- HIST 336-Traditional East Asia, Prehistory-1800 (g) (3)
- MNGT 250-Global Business & Society (3)
- POLS 110-Controversies in Politics (3)
- POLS 114-American Government and Politics (3)
- POLS/JOUR 220-Introduction to Public Opinion and Political Behavior (3)
- POLS 245-Introduction to Comparative Politics (3)
- POLS 260-Introduction to International Relations (3)
- PSYC 101-General Psychology (3)
- SOCI 100-Introduction to Sociology (3)

HF (Humanities and Fine Arts) – select two courses (*Courses taken under both SB and HF designators must be from different disciplinary prefixes*)

- ART 100-Introduction to Art (3)
- ENGL 105-Literature and Human Experience (3)
- ENGL 106-Literature: Introduction to Fiction, Poetry, and Drama (3)
- ENGL 107-Heroes in Literature (3)
- DANC 100-History/Appreciation of Dance (3)
- HUM 311-Arts & Ideas I (3)
- HUM 312-Arts & Ideas II (3)
- MUS 100-Understanding Music (3)
- MUS 234-Music History and Literature I (4)
- PHIL 151-Living Issues in Philosophy (3)
- PHIL 201-Human Nature, Ethics and the Natural World (3)
- PHIL 221-Ancient Philosophy (3)
- PHIL 240-Social Ethics (3)
- PHIL/ART 310-Philosophy and History of Visual Art (3)
- PHIL 323-Science & the Philosophers of the Age of the Enlightenment (3)
- POLS 230-Introduction to Political Philosophy and Ideology (3)
- POLS/PHIL 318-Religion and Politics (3)
- THEA 105-Introduction to Theater and Drama (3)
- DFT/FILM 200-Introduction to Film Studies (3)

GOAL THREE: APPLY SCIENTIFIC PRINCIPLES TO THE NATURAL WORLD: Students will demonstrate knowledge of the principles and methods of quantitative and qualitative scientific reasoning.

M (Mathematics) – select one course

- MATH 126-Activities in Math (3)
- MATH 146-College Algebra (3)
- MATH 147-Algebra and Trigonometry (3)

- MATH 149-Pre-Calculus (4)
- MATH 156-Calculus for Business (3)
- MATH 166-Calculus for Science and Math (4)
- MATH 216-Elementary Statistical Concepts (3)
- MATH 226-Fundamentals of Statistics (3)
- MATH 246-Math for Elementary Teachers I (4)
- PSYC 201-Behavioral Statistics (3)
- TED 323-Content and Techniques of K-3 Mathematics I (3)

SL (Scientific Investigation) – select one course (but can take two courses and skip S) (The courses taken under the SL and S designators must be from different disciplinary prefixes)

- BIOL 100-Introduction to Biology (3)
- BIOL 150-General Biology (3)
- CHEM 101-Elementary Principles of Chemistry (3)
- CHEM 120-Introduction to General Chemistry (6)
- CHEM 121-General Chemistry I (5)
- CHEM 130-Introduction to Organic Chemistry (5)
- GEOL 102*-Intro to Geology, Laboratory (1)
- GEOL 202-Oceanography (3)
- PHYS 166*-General Physics Laboratory I (1)
- PHYS 156*-General Physics Laboratory I (1)

**these classes must be taken with the corresponding lecture class and change the designator from S to SL*

S (Sciences) – select at least one course (if only taking one SL course) (The courses taken under the SL and S designators must be from different disciplinary prefixes)

- BIOL 101-Concepts in Biology (3)
- CHEM 100-Modern Alchemy (3)
- FDSC 110-The Science of Food (3)
- GEOG 110-Physical Environment: Patterns and Systems (3)
- GEOL 101-Introduction to Geology (3)
- PHYS 114-Basic Physics (3)
- PHYS 117-Astronomy (3)
- PHYS 151-General Physics I (4)
- PHYS 161-General Physics I (4)

GOAL FOUR: ENGAGE IN MULTIDISCIPLINARY INQUIRY: Students will analyze questions and issues from multidisciplinary perspectives.

MD (Multidisciplinary Inquiry) – select one course

- AFES 492-Experiential Learning in Agriculture (3)
- ART 392-Pre-Columbian Art of Mesopotamia (3)

- BIOL 308-HIV/AIDS: Science and Society (g) (3)
- ENGL/HIST/GEOG 385-Interdisciplinary Seminar on the American Frontier (3)
- EXC 310 - China: From Ancient Culture to Modern Global Force (3)
- ENGL/FILM/WMST 300-Women in Film and Society (3)
- ENGL 306-Postcolonial Literature and Film (g) (3)
- ENGL/FILM 307-Ethnic Film, Literature, and Culture (d) (3)
- ENGL 308-Russian Literature:Society and Culture through the Eyes of 19th and 20th Century Writers (g) (3)
- ENGL/FILM 317 Modern East Asian Literature and Cinema (g) (3)
- ESM/BIOL/GEOG 300-Environmental Education (3)
- FILM/HIST 402-History in Film (3)
- GEOG 324-Historical Geography of the United States (3)
- GEOG/POLS 428-Political Geography (3)
- GEOL 350-Geological Destinies of Nations (g) (3)
- HIST 382-Italy: Art and Culture (g) (3)
- HIST 333-Silk, Spices, and Silver: The Making of the Global Exchange System to 1700 (g) (3)
- HIST 336-Traditional East Asia, Prehistory-1800 (g) (3)
- HIST 368-Social Movements in United States' History (3)
- HUM 300-Multidisciplinary Human Perspectives (3)
- HUM 305 - Human-Animal Studies (3)
- HUM 311-Arts & Ideas I (3)
- HUM 312-Arts & Ideas II (3)
- INTS 365-Contemporary Europe (g) (3)
- INTS 377-Semester Abroad Europe (g) (6)
- MDIS 496-Social Science Perspectives (3)
- PHIL 301-Environmental Ethics, Liberalism, and Capitalism (3)
- PHIL/ART 310-Philosophy and History of Visual Art (3)
- PHIL 323-Science & the Philosophers of the Age of the Enlightenment (3)
- PHIL 345-God, Religion, and Science (3)
- PHYS 350-Science and Art (3)
- POLS 359-Criminal Justice Policy (3)
- SOCI 328-Perspectives on Race Relation (3)
- SOCI 341-Sociology of Later Life (3)
- SOCI/ANTH 395-Belize Study Tour (3)
- TED 327 -Australia: An Integrated Cultural Study (g) (3)
- WGST 320-Gender Issues in Science (g) (3)
- WGST 350-Introduction to Lesbian, Gay, Bisexual, Transgender and Queer Studies (3)
- WIS 310-Scotland: Heritage and Culture (3)

GOAL FIVE: EVALUATE INDIVIDUAL RESPONSIBILITY TO SELF, SOCIETY, AND THE WORLD: Students will make and defend judgments with respect to individual conduct and well being, citizenship, and stewardship of the environment.

HW (Personal Health and Wellness) – select 3 courses

- P ED 108-Health and Fitness for Life (required) (1)
- PE-2 activity courses (select two activity courses) (.5 credit)

EC (Ethical Citizenship) – select one course

- ANSC 115-Animal Welfare (3)
- CROP 120-Plants and Society (3)
- CSIS 120-Technology and Cyberspace: Ethics and Issues (3)
- ENGL 205-Literature of War:Culture and Ethics (3)
- ENGL 226-Detective Fiction (3)
- ENGL 228-Literature of Environmental Justice (3)
- ENGL 230-International Short Story (3)
- ENGL 310-U.S. Environmental Literature (3)
- ENGL 374-Cyberliteracy and Writing on the Web (3)
- ESM 105-Introduction to Environmental Studies (3)
- FINC 210-Personal Finance (3)
- GEOL 269-Environmental Geology (3)
- JOUR 101-Introduction to Mass Communication (3)
- MNGT 250-Global Business & Society (3)
- PHIL 201-Human Nature, Ethics and the Natural World (3)
- PHIL 224-Existentialism (3)
- PHIL 304-Business Ethics (3)
- POLS 114 - American Government and Politics (3)
- POLS 230-Introduction to Political Philosophy and Ideology (3)
- SOWK 150-Introduction to Social Work (3)
- TED 326-Place-Based Science for Early Childhood Educators (3)

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Graduate Programs

Graduate Degrees

- [Agricultural Education](#) (Initial Certification)
- [Agricultural Education](#) (Professional Development)
- [Business Administration](#) (MBA)
- [Communicative Disorders](#) (MS)
- [Communicative Disorders](#) (MSE)
- [Counseling](#) (MSE)
- [Elementary Education](#) (MSE)
- [Fine Arts](#) (MSE)
- [Mathematics](#) (MSE)
- [Principal Licensure](#) (MSE)
- [Reading Specialist](#) (MSE)
- [School Psychology](#) (Ed S)
- [School Psychology](#) (MSE)
- [Science Secondary Education](#) (MSE)
- [Shared Inquiry Communities](#) (MSE)
- [TESOL](#) (MA)
- [TESOL](#) (MA and Initial Teaching Licensure)

Graduate Certificates

- [Alternative Education](#)
- [Principal Licensure](#)
- [Reading Teacher](#)
- [TESOL](#)

For additional information on each degree or certificate program, please visit these sites:

[Graduate Home](#)

[Graduate Programs](#)

[Graduate Admissions Staff](#)

[Other Continuing Education](#)

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Agricultural Education, Initial Certification

Overview of Program

Master of Science Degree in Agricultural Education

Initial Teaching Licensure

Degree Requirements

This option is designed for students with a non-teaching baccalaureate degree seeking initial teacher licensure as agricultural education instructors.

Undergraduate Requirements, 15 credits or more

TED 440 Techniques in Sec. Ed. - Ag., 3 credits

TED 475, Student Teaching K-12, 12 credits

or **TED 478** Secondary School Internship, 12 credits

Any CAFES classes needed to meet WI DPI agriculture content standards or general education certification requirements.

Licensure Requirements, 27 credits

AGED 603 Supervision of Work Experience and Youth Organizations, 3 credits

AGED 662 Curriculum Design in Vocational Education, 3 credits

AGED 569 Philosophy of Vocational & Cooperative Education, 4 credits

AGED 701 Advanced Leadership & Group Dynamics, 2 credits

TED 745 Psychology of Teaching, 6 credits

ESM 500 Environmental Education, 3 credits

SPED 530 Exceptional Child, 3 credits

READ 622 Content Area Literacy in Middle & Secondary Schools, 3 credits

Research Requirements, 4-6 credits

AGED 781, 782, 783 Research Seminar in Ag Ed (1 credit each), 3 credits

AGED 798 Independent Research, 1-3 credits

or **AGED 799** Thesis, 2-3 credits

Additional certification requirements include a portfolio, **Praxis I and II tests** (external link) and industry work experience.

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Agricultural Education, Professional Development

Overview of Program

Master of Science Degree in Agricultural Education
Professional Development in Agricultural Education
Degree Requirements

Professional Education, 7 credits

TED 740 Foundations of American Education, 4 credits

TED 750 Advanced Educational Psychology, 3 credits

or TED 760 Methods in Research, 3 credits

Specialization, 20-21 credits

AGED 781, 782, 783 Research Seminar in Ag Ed (1 credit each), 3 credits

AGED 798 Independent Research, 1-3 credits

or AGED 799 Thesis, 2-3 credits

AGED electives, 3-6 credits

Specialization Electives, 9-14 credits

Selected upon consultation with adviser

Non-Specialization, 3 credits

Elective courses from outside the departments and selected for either professional education or specialization.

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Master of Business Administration

Overview of Program

Degree Requirements

Completion of 10 required courses plus electives, including a practicum, for a total of 30 graduate-level credits. Required courses include:

- MNGT 700** Organizational Theory and Behavior, 3 credits
- MNGT 701** Leadership and Ethics, 3 credits
- MNGT 702** Strategy and Marketing, 3 credits
- MNGT 703** Human Resource Management, 3 credits
- MNGT 704** Fundamentals of Business Law, 2 credits
- MNGT 705** Operations Management, 3 credits
- FINC 706** Financial Management, 3 credits
- MNGT 709** Statistics, 3 credits
- MNGT 710** Practicum, 2 credits
- MNGT 720** Strategy and Organizational Performance, 3 credits
- MNGT 789** Special Topics in Management, 1 credit

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Communicative Disorders, MS

Overview of Program

Degree Requirements

Total credits to degree: 54

Required Specialization Courses, 36 credits:

COMD 715 Research Methods in Communicative Disorders, 3 credits

COMD 716 Anatomy and Physiology of the Central Nervous System, 2 credits

COMD 717 Neuropathologies, 3 credits

COMD 720 Voice and Resonance Disorders, 3 credits

COMD 730 Audiology II, 3 credits

COMD 737 Auditory Processing and Auditory Processing Disorder, 2 credits

COMD 750 Dysphagia, 3 credits

COMD 762 Developmental Language Disorders, 3 credits

COMD 764 Augmentative/Alternative Communication Systems, 3 credits

COMD 765 Aphasia, 3 credits

COMD 767 Communicative Replacements for Challenging Behaviors, 2 credits

COMD 770 Case Discussions (Treatment), 2 credits

COMD 772 Audiology Practicum, 2 credits

COMD 787 Counseling and Multicultural Issues in Communicative Disorders, 2 credits

Elective Courses, 0-8 credits

COMD 798 Independent Research, 1-4 credits

COMD 799 Thesis, 1-4 credits

Required Clinical Experience, 18 credits:

COMD 579 Clinical Experience Internship, 6 credits

COMD 773 Practicum in the School, 0 or 6 credits

COMD 774 Practicum in Rehabilitation Facilities, 6 or 12 credits

Students must choose one of the following plan options.

Plan A

A minimum of 54 semester credits of graduate work including a master's thesis, for which a student may receive up to four graduate credits for research in area of specialization. Final oral exam.

Plan B

A minimum of 54 semester credits of graduate work including a paper/project approved by the program director. Final oral exam.

Plan C

A minimum of 54 semester credits of graduate work. A written

comprehensive exam and final oral exam.

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Communicative Disorders, MSE

Overview of Program

Degree Requirements

This is degree for licensed secondary education teachers.

Total credits to degree: 57-58

Professional Education Core, 3-4 graduate credits:

Select one course from:

TED 740 Historical/Philosophical/Multicultural Foundations of American Education, 4 credits

TED 750 Advanced Education Psychology, 3 credits

TED 755 Social Issues in Education, 3 credits

Required Specialization Courses, 36 credits:

COMD 715 Research Methods in Communicative Disorders, 3 credits

COMD 716 Anatomy and Physiology of the Central Nervous System, 2 credits

COMD 717 Neuropathologies, 3 credits

COMD 720 Voice and Resonance Disorders, 3 credits

COMD 730 Audiology II, 3 credits

COMD 737 Auditory Processing and Auditory Processing Disorder, 2 credits

COMD 750 Dysphagia, 3 credits

COMD 762 Developmental Language Disorders, 3 credits

COMD 764 Augmentative/Alternative Communication Systems, 3 credits

COMD 765 Aphasia, 3 credits

COMD 767 Communicative Replacements for Challenging Behaviors, 2 credits

COMD 770 Case Discussions (Treatment), 2 credits

COMD 772 Audiology Practicum, 2 credits

COMD 787 Counseling and Multicultural Issues in Communicative Disorders, 2 credits

Elective Courses, 0-8 credits

COMD 798 Independent Research, 1-4 credits

COMD 799 Thesis, 1-4 credits

Required Clinical Experience, 18 credits:

COMD 579 Clinical Experience Internship, 6 credits

COMD 773 Practicum in the School, 0 or 6 credits

COMD 774 Practicum in Rehabilitation Facilities, 6 or 12 credits

Students must choose one of the following plan options.

Plan A

A minimum of 57-58 semester credits of graduate work including a master's thesis, for which a students may receive up to four graduate credits for research in area of specialization. Final oral exam.

Plan B

A minimum of 57-58 semester credits of graduate work including a paper/project approved by the program director. Final oral exam.

Plan C

A minimum of 57-58 semester credits of graduate work. A written comprehensive exam and final oral exam.

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Overview of Program

Degree Requirements

The MSE programs are designed to meet certification standards; however, standards might vary. Students are encouraged to work with an advisor to accommodate any changes.

Academic requirements, 40 credits minimum

Required Core Courses, 45 credits

- COUN 610 Introduction to School Counseling, 3 credits
- COUN 612 Lifespan Human Development, 3 credits
- COUN 615 Social and Cultural Foundation of Counseling, 3 credits
- COUN 620 Career Counseling, 3 credits
- COUN 720 Techniques in Appraisal, 3 credits
- COUN 732 Group Counseling, 3 credits
- COUN 753 Counseling Theory and Skills, 3 credits
- TED 750 Advanced Educational Psychology, 3 credits
- TED 760 Methods in Research, 3 credits
 - or SPSY 795 Directed Research - Data Analysis, 3 credits
- COUN 770 K-12 Curriculum for School Counselors, 3 credits
- COUN 771 Practicum: Elementary School Counseling, 3 credits
- COUN 772 Practicum: Middle School Counseling, 3 credits
- COUN 773 Practicum: High School Counseling, 3 credits
- COUN 770 Seminar in School Counseling (taken with practica), 3 credits

Before finalizing practicum plans, the student must pass a written examination based upon the content of all of the core course.

Directed elective courses, 4 credits

To be selected in consultation with an advisor

Students will also present a portfolio indicating knowledge and application of Wisconsin Department of Public Instruction Standards for Professional School Counselors. Completion of the practicum and of the master's program is dependent upon approval of the portfolio by the program faculty and the practicum supervisors in the field.

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Elementary Education, MSE

Overview of Program

Degree Requirements

Professional education courses, 34 credits

- TED 700 Curriculum in the Elementary School, 3 credits
- TED 705 Language Arts in the Elementary School, 3 credits
- TED 710 Social Studies in the Elementary School, 3 credits
- TED 715 Science in the Elementary School, 3 credits
- TED 720 Mathematics in the Elementary School, 3 credits
- TED 740 Historical/Philosophical/Multicultural Foundations of American Education, 4 credits
- TED 745 Psychology of Teaching, 6 credits
- READ 661 Psychology & Pedagogy of Literacy, 3 credits
- READ 760 Literacy Instruction in the Elementary School, 3 credits
- SPED 530 The Exceptional Child, 3 credits

Student teaching, 12 credits

- TED 472 Student Teaching: Elementary School, 12 credits

Undergraduate coursework required for elementary certification:

- Written Communication
- Oral Communication
- Math for Elementary Teachers
- Social Studies
- Environmental Education
- Physical Science
- Humanities/Literature
- Non-western History or Culture
- Music course
- Art course

Coursework equivalents from your undergraduate work may be counted for the above credits. Any courses needed from the list can be completed at any time in the program, but must be finished to receive a license.

Certification requires successful completion of all coursework, with an overall GPA of 3.0 on a 4.0 scale in the advanced program, student teaching and a certification portfolio. Students should consult with their adviser on Wisconsin DPI portfolio requirements.

Important Notice

The UW-River Falls College of Education and Professional Studies and the Graduate Council are no longer accepting applications for the MSE-Secondary Education, Fine Arts Program.

Current students must complete their program of study by **December 2013**. If you have questions, please contact your adviser.

Degree Requirements

Interdisciplinary Fine Arts courses, 9 credits:

ART 760 Creativity: Theory & Practice, 3 credits

ART 770 Arts Education in a Changing Environment, 3 credits

ART 780 Arts in Society, 3 credits

Content Areas, 9-12 credits:

Select courses from the disciplines of art, music, theater and dance in consultation with advisor.

Examples of courses include:

- **Art:** glass, ceramics, drawing, painting, printmaking, photography, art therapy, special topics
- **Music:** music and computer applications, national standards and the curriculum, world music, conducting, history of jazz
- **Theatre:** arts management, performance, design and technology

Professional Education, 6 credits:

TED 760 Methods of Research, 3 credits

plus choose one of the following:

TED 740 Historical/Philosophical/Multicultural Foundations of American Education, 4 credits

TED 750 Advanced Educational Psychology, 3 credits

TED 755 Social Issues in Education, 3 credits

Thesis Project Research, 3 credits

Select from:


ART 798 Independent Research, 1-3 credits

MUS 798 Independent Research, 1-3 credits

COMS 798 Independent Research, 1-3 credits

The program is on a three-year summer cycle with a recommended

load of nine credits per summer. One-credit application units are also available: research conducted during the school year under the guidance of faculty members.

Completion of a certification portfolio as specified by the [Wisconsin Department of Public Instruction](#) .

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Mathematics, MSE

Overview of Program

Degree Requirements for Master of Science in Education in Mathematics

Students are required to take 24 credits (six courses) in core mathematics, six credits of course work in the College of Education and Professional Studies, and an independent research (Plan B) paper.

Required Education Courses, 6-7 graduate credits:

TED 760 - Methods in Research, 3 credits

Plus one of the following:

TED 740 History/Philosophy/Multicultural Foundations of Education in America, 4 credits

TED 750 Advanced Educational Psychology, 3 credits

TED 755 Social Issues in Education, 3 credits

Area of Specialization - Mathematics, 24 graduate credits:

The Mathematics courses are offered in two, consecutive four-week sessions during the summer. Classes are repeated every three years.

MATH 711 Geometry for Educators, 4 credits

MATH 726 Statistics for Educators, 4 credits

MATH 736 Discrete Math for Educators, 4 credits

MATH 751 Modern Algebra for Educators, 4 credits

MATH 756 Probability for Educators, 4 credits

MATH 766 Calculus for Educators, 4 credits

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Principal Licensure, MSE

Overview of Program

Degree Requirements

First Summer:

PLP 761 Leadership Development Seminar I, 4 credits

First Fall Semester:

PLP 762 Oral & Written Communication, 1 credit

PLP 763 The K-12 Principalship, 3 credits

First Spring Semester:

PLP 764 Politics of Education, 1 credit

PLP 765 School Law, 3 credits

Second Summer:

PLP 766 Leadership Development Seminar II, 4 credits

TED 760 Methods of Research, 3 credits

Second Fall Semester:

PLP 767 Finance/Budget, 1 credit

PLP 768 Professional Development and Supervision, 3 credits

PLP 771 Internship/Seminar/Project I, 3 credits

Second Spring Semester:

PLP 769 Student Services, 1 credit

PLP 770 Curriculum K-12, 3 credits

PLP 772 Internship/Seminar/Project II, 3 credits

In the final phase of the program, a portfolio providing evidence of the skills needed to meet National Policy Board and Wisconsin Administrator standards is presented to a review panel of faculty and an area administrator.

Transfer Credits

Students may request that previously completed courses count toward licensure requirements.

University of Wisconsin-River Falls
410 S. 3rd Street, River Falls WI 54022 USA
Campus Information (715) 425-3911

Reading Specialist, MSE

Overview of Program

Degree Requirements for Master of Science in Education, Reading Specialist

First Summer: Summer Reading Institute, 8 credits

READ 700 Foundations of Literacy, 2 credits

READ 761 Advanced Elementary Reading Instruction, 3 credits

READ 622 Content Area Literacy in Middle & Secondary Schools, 3 credits

First Fall:

TED 705 Language Arts in the Elementary School, 3 credits

READ 765 Appraisal and Intervention, 3 credits

First Spring:

READ 750 Children's Literature in the Reading Program, 3 credits

READ 785 Research in Literacy, 3 credits

Second Summer:

READ 775 Clinical Practicum in Literacy Instruction, 1-3 credits

Completion of a certification portfolio as specified by the Wisconsin Department of Public Instruction ([external site](#)).

Second Summer:

READ 710 Language Acquisition and Disorders for Reading Teachers, 3 credits

Second Fall (courses taken concurrently):

READ 766 Supervision and Administration, 2 credits

READ 779 Field Experience, 2 credits

Research Paper (Plan B)

Oral Comprehensive Exam

Completion of a certification portfolio for Administrator Standards as specified by the [Wisconsin Department of Public Instruction](#).

Students are not required to begin the program in the summer. For information about alternate start times, contact the program coordinator.

Minnesota Teachers of Reading

Minnesota and Wisconsin do not have any reciprocal licensing agreements; however, we can provide Minnesota candidates with documentation on how our program specifically meets the requirements of MN Rule 8710.4725 TEACHERS OF READING.

Reading Teacher Licensure

See [Certificate Requirements](#)

University of Wisconsin-River Falls
410 S. 3rd Street, River Falls WI 54022 USA
Campus Information (715) 425-3911

School Psychology Ed S

Program Overview

Degree Requirements for Educational Specialist

Required Courses, 31 credits:

- SPSY 721** Autism Spectrum Disorders, 1 credit
- SPSY 740** Legal and Ethical Issues in School Psychology, 3 credits
- SPSY 769** Psychoeducational Consultation, 3 credits
- SPSY 771** Practicum I, 4 credits
- SPSY 772** Practicum II, 4 credits
- SPSY 775** Internship in School Psychology I, 5 credits
- SPSY 776** Internship in School Psychology II, 5 credits
- SPSY 785** Seminar in School Psychology
- SPSY 796** Directed Research - Statistics and Data Analysis, 2 credit
- SPSY 797** Directed Research - Final Manuscript, 1 credit

Additional Optional Courses

- SPSY 785** Seminar in School Psychology, 3 credits
- SPSY 798** Independent Research, 3 credits

The Education Specialist degree is awarded upon completion of the Master of Science in Education 35-credit curriculum (above) and the following 31 additional credits for a total of 66 credits, and passing the National School Psychology Certification Examination, which is administered by the Educational Testing Service three times per year. The current passing score, adopted by the UWRF School Psychology program, is 165. The examination should be taken during the practicum year.

Additional Program Information

A test usage fee (maximum of \$100) is associated with certain assessment courses (SPSY 745 and 746).

Wisconsin and Minnesota require that applicants for teacher certification, including school psychology, submit fingerprints with the certification application. In addition, criminal background checks are required.

Completion of a certification portfolio as specified by the [Wisconsin Department of Public Instruction](#).

School Psychology MSE

Program Overview

Degree Requirements for Master of Science in Education

Required Courses, 35 credits:

- SPSY 622** Emotional/Behavioral Functioning: Appraisal and Intervention, 3 credits
- SPSY 651** Diversity, Social and Cultural Issues, 3 credits
- SPSY 701** Introduction to School Psychology, 3 credits
- SPSY 745** Psychoeducational Assessment and Intervention I, 3 credits
- SPSY 746** Psychoeducational Assessment and Intervention II, 3 credits
- SPSY 747** Mental Health Issues, 3 credits
- SPSY 795** Directed Research - Proposal, 2 credit
- SPED 530** The Exceptional Child, 3 credits
- COUN 612** Lifespan Human Development, 3 credits
- COUN 732** Group Counseling, 3 credits
- COUN 753** Counseling Theory and Skills, 3 credits
- TED 747** Curriculum K-12, 3 credits.

Additional Program Information

A test usage fee (maximum of \$100) is associated with certain assessment courses (SPSY 745 and 746).

Wisconsin and Minnesota require that applicants for teacher certification, including school psychology, submit fingerprints with the certification application. In addition, criminal background checks are required.

Completion of a certification portfolio as specified by the [Wisconsin Department of Public Instruction](#).

University of Wisconsin-River Falls
410 S. 3rd Street, River Falls WI 54022 USA
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Science Secondary Education, MSE

Important Notice

The UW-River Falls College of Education and Professional Studies and the Graduate Council are no longer accepting applications for the MSE-Secondary Education, Science Program.

Current students must complete their program of study by **December 2013**. If you have questions, please contact your adviser.

Degree Requirements

Select biology, chemistry, geology/earth science or physics as an area of specialization. The program consists of 30 semester hours as follows:

12 credits in key concepts core courses

9 credits in science electives (1-2 credit hours courses)

3 credits independent paper/project/research

6 credits in education

Key Concept Core Courses, 12 credits:

BIOL 701 Neuroscience, 4 credits

BIOL 702 Emerging Infectious Diseases, 4 credits

BIOL 703 Field Botany for Teachers, 4 credits

CHEM 705 Chemical Instrumentation and Analysis, 4 credits

CHEM 706 Giant Molecules-The Chemistry of Polymers, 4 credits

CHEM 707 Bioorganic Chemistry Concepts and Activities for Lecture and Laboratory, 4 credits

GEOL 700 Earth Surface Processes, 4 credits

GEOL 703 Minerals Rock, 4 credits

GEOL 704 Atmospheres and Surface Phenomena on Earth and Other Planets, 4 credits

GEOL 705 Field Geology for Teachers, 4 credits

PHYS 700 Mechanics for Secondary School Teachers, 4 credits

PHYS 701 Electricity and Magnetism for Secondary School Teachers, 4 credits

PHYS 704 Modern Physics for Secondary School Teachers, 4 credits

Science Electives (from any discipline), 9 credits:

Students choose from the two-credit science electives in the various disciplines or take additional core courses. Examples of two-credit courses are:

Biology:

Environmental Assessment by Insect Inventory; Evolution for Teachers, Inquiry-based Labs Using C-Fern as a Model System, Biological Image Analysis for Teachers

Chemistry:

Life in Extreme Environments, Organic Chemistry of Compounds from Natural Sources, Chemical Demonstrations

Geology:

Dinosaurs for Teachers, Catastrophes in Earth History, Oceanography for Teachers, Plate Tectonics for Teachers

Physics:

Science in the Ice, Laser Physics for Secondary School Teachers, Astronomy for Secondary School Teachers, Optics for Secondary School Teachers, Acoustics for Secondary School Teachers

Paper/Project/Research, 3 credits:

This component is designed in cooperation with a faculty advisor. There will be opportunities to access research data from UW-Madison as well as UW-River Falls and utilize these data with selected students in special projects in the secondary school setting.

Education, 6 credits:

TED 760 Methods of Research, 3 credits

And one of the following courses:

TED 740 Historical/Philosophical/Multicultural Foundations of American Education, 4 credits

TED 750 Advanced Educational Psychology, 3 credits

TED 755 Social Issues in Education, 3 credits

Completion of a certification portfolio as specified by the Wisconsin Department of Public Instruction ([external site](#)).

University of Wisconsin-River Falls
410 S. 3rd Street, River Falls WI 54022 USA
Campus Information (715) 425-3911

Shared Inquiry Community, MSE

Overview of Program

Program Curriculum

First Semester

- SIC 600** Action Research I, 1 credit
- SIC 705** Cultural Diversity in Teaching, 3 credits
- SIC 760** Introduction to Research, 3 credits

Second Semester

- SIC 601** Action Research II, 2 credits
- SIC 710** Curriculum Planning in Practice, 3 credits
- SIC 715** Integrating Technology in Teaching, 3 credits

Third Semester

- SIC 602** Action Research III, 1 credit
- SIC 720** Educational Psychology for Teaching, 3 credits
- SIC 725** Contemporary Concerns in Education, 3 credits

Fourth Semester

- SIC 603** Action Research IV, 2 credits
- SIC 756** Path to Teacher Leadership , 3 credits
- SIC 765** Independent and Group Research in Education, 3 credits

University of Wisconsin-River Falls
410 S. 3rd Street, River Falls WI 54022 USA
Campus Information (715) 425-3911

Overview of Program

Program Curriculum for Master of Arts Degree

The Master of Arts degree in TESOL is designed for ESL licensed or bilingual education professionals and for those who want to teach in foreign countries or in Adult Basic Education (ABE) positions in Wisconsin and Minnesota. Students will complete 36 credits and may choose a degree plan with or without a thesis.

Pedagogy Courses, 18 credits:

- ENGL 560** Theory and Methodology of TESOL, 3 credits
- ENGL 620** Pedagogical Grammar, 3 credits (Prerequisite: **ENGL 520**)
- ENGL 675** Assessment and Testing in TESOL, 3 credits
- ENGL 720** Educational Linguistics, 3 credits
- TESL 765** Language and Culture, 3 credits
- TESL 767** Teaching ESOL Reading, 3 credits
- TESL 789** Topics in TESOL Teaching and Research, 3 credits

International students must also take:

ENGL 755 Children's Literature for International Students, 3 credits

Linguistics, 12 credits:

Choose three from:

- ENGL 520** Structure of English, 3 credits
- ENGL 521** The English Language: History and Culture, 3 credits
- ENGL 522** Acquisition of Language, 3 credits
- ENGL 651** Phonetics and Phonology, 3 credits
- ENGL 652** Lexicology: The Structure of English Vocabulary, 3 credits

Research Courses, 6 credits:

- ENGL 701** Writing, Reading, and Presentation of Research in English as a Second Language, 3 credits
- ENGL 799** Thesis (Thesis Plan) or TED 793 Plan B Paper, 3 credits

International students must also take:

ENGL 705 Critical Reading and Writing for International Students, 3 credits

Note: Up to nine credits at the 500 level may be applied to the degree and no fewer than half of the credits applied to the degree must be at the 700 level.

Master of Arts with Initial Teaching Licensure

See [Degree Requirements](#)

College of Education and Professional Studies

College of Arts and Sciences

Graduate Programs

For More Information

Linda Jacobson
Program Manager
(715) 425-3190
E-mail [✉](#)

TESOL, MA and Initial Teaching Licensure

Overview of Program

Program Curriculum for Master's Degree and Initial Teaching Certification

Those who would like to earn their initial teaching certification and then continue with their program of study to earn a master's degree in TESOL may do so. Students would begin by applying for admission to [Teacher Education](#). Completing both the teaching certification requirements and the degree requires 37 credits, 19 of which are at the 700 level.

Required Courses, 18 credits:

[ENGL 560](#) Theory and Methodology of TESOL, 3 credits

[ENGL 620](#) Pedagogical Grammar, 3 credits (Prerequisite: [ENGL 520](#))

[ENGL 675](#) Assessment and Testing in TESOL, 3 credits

[TESL 765](#) Language and Culture, 3 credits

[TESL 767](#) Teaching ESOL Reading, 3 credits

[TESL 789](#) Topics in TESOL Teaching and Research, 3 credits

International students must also take:

[ENGL 755](#) Children's Literature for International Students, 3 credits

Linguistics, 12 credits:

Choose one class from:

[ENGL 651](#) Phonetics and Phonology, 3 credits

[ENGL 652](#) Lexicology: The Structure of English Vocabulary, 3 credits

[ENGL 720](#) Educational Linguistics, 3 credits

Choose 3 classes from:

[ENGL 520](#) Structure of English, 3 credits

[ENGL 521](#) The English Language: History and Culture, 3 credits

[ENGL 522](#) Acquisition of Language, 3 credits

Research Courses, 6 credits:

[ENGL 701](#) Writing, Reading, and Presentation of Research in English as a Second Language, 3 credits

[ENGL 793](#) Plan B Paper, 3 credits

International students must also take:

[ENGL 705](#) Critical Reading and Writing for International Students, 3 credits

In addition to these graduate-level courses, student will complete 12 undergraduate credits in student teaching and a certification portfolio as specified by the [Wisconsin Department of Public Instruction](#) (external site). For more information on initial teaching certification, visit the Secondary Education web page.

Master of Arts Degree Only

College of Education and Professional Studies

College of Arts and Sciences

Graduate Programs

For More Information

Linda Jacobson
Program Manager

(715) 425-3190

[Email](#)

See [Degree Requirements](#)

University of Wisconsin-River Falls
410 S. 3rd Street, River Falls WI 54022 USA
Campus Information (715) 425-3911

Alternative Education

Overview of Program

Program Curriculum

To qualify for Wisconsin certification in alternative education, students will complete four core classes (eight credits) and a certification portfolio as specified by the [Wisconsin Department of Public Instruction](#).

Students will also complete a practicum concurrently with the four core classes. To do so, students need to be working in an alternative education program or arrange to have access to a program so that observations can be made and conversations held with practitioners.

Offered in Summer:

[AED 700](#) History and Philosophy of Alternative Education, 2 credits

Offered in Fall:

[AED 701](#) Alternative Education Students: Who are They?, 2 credits
[AED 702](#) Teaching and Working with Alternative Students, 2 credits

Offered in Spring:

[AED 703](#) Building and Evaluating Alternative Programs, 2 credits

Elective Course

[AED 689](#) Topics in Alternative Education , 2 credits

College of Education and
Professional Studies

Graduate Programs

For More Information

Michael Harris ✉
715-425-3774

University of Wisconsin-River Falls
410 S. 3rd Street, River Falls WI 54022 USA
Campus Information (715) 425-3911

Principal Licensure, MSE

Overview of Program

Degree Requirements

First Summer:

PLP 761 Leadership Development Seminar I, 4 credits

First Fall Semester:

PLP 762 Oral & Written Communication, 1 credit

PLP 763 The K-12 Principalship, 3 credits

First Spring Semester:

PLP 764 Politics of Education, 1 credit

PLP 765 School Law, 3 credits

Second Summer:

PLP 766 Leadership Development Seminar II, 4 credits

TED 760 Methods of Research, 3 credits

Second Fall Semester:

PLP 767 Finance/Budget, 1 credit

PLP 768 Professional Development and Supervision, 3 credits

PLP 771 Internship/Seminar/Project I, 3 credits

Second Spring Semester:

PLP 769 Student Services, 1 credit

PLP 770 Curriculum K-12, 3 credits

PLP 772 Internship/Seminar/Project II, 3 credits

In the final phase of the program, a portfolio providing evidence of the skills needed to meet National Policy Board and Wisconsin Administrator standards is presented to a review panel of faculty and an area administrator.

Transfer Credits

Students may request that previously completed courses count toward licensure requirements.

University of Wisconsin-River Falls
410 S. 3rd Street, River Falls WI 54022 USA
Campus Information (715) 425-3911

Reading Teacher Certificate

Overview of Program

Certificate Requirements for Reading Teacher Licensure

First Summer: Summer Reading Institute, 8 credits

READ 700 Foundations of Literacy, 2 credits

READ 761 Advanced Elementary Reading Instruction, 3 credits

READ 622 Content Area Literacy in Middle & Secondary Schools, 3 credits

First Fall:

TED 705 Language Arts in the Elementary School, 3 credits

READ 765 Appraisal and Intervention, 3 credits

First Spring:

READ 750 Children's Literature in the Reading Program, 3 credits

READ 785 Research in Literacy, 3 credits

Second Summer:

READ 775 Clinical Practicum in Literacy Instruction, 1-3 credits

Completion of a certification portfolio as specified by the Wisconsin Department of Public Instruction ([external site](#)).

Minnesota Teachers of Reading

Minnesota and Wisconsin do not have any reciprocal licensing agreements; however, we can provide Minnesota candidates with documentation on how our program specifically meets the requirements of MN Rule 8710.4725 TEACHERS OF READING.

Master of Science in Education Degree and Reading Specialist

See [Degree Requirements](#)

College of Education and Professional Studies

Graduate Programs

For More Information

[Teresa Krueger](#) ✉, Reading Coordinator

University of Wisconsin-River Falls
410 S. 3rd Street, River Falls WI 54022 USA
Campus Information (715) 425-3911

TESOL Certificate

Overview of Program

Degree Requirements for Graduate Certificate

The graduate certificate is designed for individuals interested in professional development in TESOL or those wanting to teach adult basic education classes in the U.S. or English as a foreign language in other countries. Upon completion of the four required courses, students are issued a graduate certificate.

Required Courses (12 credits)

ENGL 511 Introduction to Language and Linguistics, 3 credits

ENGL 520 Structure of English, 3 credits

ENGL 522 Acquisition of Language, 3 credits

ENGL 560 Theory and Methodology of TESOL, 3 credits

If you choose to continue on to the master of arts degree in TESOL, please note that only nine of these credits could be applied toward the program requirements.

Master of Arts Degree and Initial Teaching Certification


See [Degree Requirements](#)

College of Education and
Professional Studies

College of Arts and
Sciences

Graduate Programs

For More Information

Linda Jacobson
Program Manager
(715) 425-3190
[Email](#) 

University of Wisconsin-River Falls
410 S. 3rd Street, River Falls WI 54022 USA
Campus Information (715) 425-3911

Undergraduate Programs

The University of Wisconsin-River Falls offers more than 45 major fields of study to undergraduate students. You'll have plenty of options to fulfill your purpose and passion.

major: a subject or field of study chosen by a student to represent his or her principal interest and upon which a large share of his or her efforts are concentrated

minor: a subject or a course of study pursued by a student, especially a candidate for a degree, subordinately or supplementarily to a major or principal subject or course

Related Resources

Majors and Academic Plans

A description of the major program, faculty, and career opportunities along with an example of how a student might fulfill a program in 4 years.

What can I do with my Major?

- Accounting (ACCT) **Major**
- Adapted Physical Education **Minor**
- Agricultural Business (AGEC) **Major / Minor**
- Agricultural Education (AGED) **Major**
- Agricultural Engineering Technology (AGEN) **Major / Minor**
- Agricultural Studies **Major**
- Animal Science (ANSC) **Major / Minor**
- Anthropology (ANTH) **Minor**
- Art (ART) **Major / Minor**
- Art - Fine Art (BFA) **Major**
- Art - Broad Area Art **Major**
- Art - Education Broad Area Art **Major**
- Art History **Minor**
- Asian Studies **Minor**
- Biology (BIOL) **Major / Minor**
- Biotechnology (BIOT) **Major**
- Broad Field Science, Education Broad Area **Major**
- Broad Field Science, Education Physical Science **Major**
- Broad Field Science, Liberal Arts **Major**
- Broad Field Social Studies **Major**
- Business Administration **Major / Minor**
- Business Administration **Major** (Finance, Management and Marketing)
- Chemistry (CHEM) **Major / Minor**
- Ethnic Studies **Minor**
- Farm Management **Minor**
- Film Studies **Minor**
- Finance - Business Administration **Major**
- Food Science and Technology (FDSC) **Major / Minor**
- French **Minor**
- General Science for Elementary Education **Minor**
- Geography (GEOG) **Major / Minor**
- Geographic Information Systems/Cartography **Minor / Certificate**
- Geology (GEOL) **Major / Minor**
- German **Minor**
- Health and Human Performance (P E/P ED/P ET) **Major**
K-12 Physical Education, Exercise and Sport Science, Health Education Options
- Health and Wellness Management (HWM) **Major**
- Health Education **Minor**
- History (HIST) **Major / Minor**
- **Honors (HON)**
- Horticulture (HORT) **Major / Minor**
- Hydrogeology **Minor**
- International Studies (INTS) **Major / Minor**
- Journalism (JOUR) **Major / Minor**
- Management - Business Administration **Major**
- Marketing - Business Administration **Major**
- Marketing Communications (MARC) **Major**
- Mathematics (MATH) **Major / Minor**

- Coaching **Minor**
- Communication Studies (COMS) **Major / Minor**
- Communicative Disorders (COMD) **Major / Minor**
- Community Planning **Major / Minor**
- Computer Science and Information Systems (CSIS) **Major / Minor**
- Conservation **Major / Minor**
- Creative Writing **Minor**
- Criminal Justice **Minor**
- Crops and Soils **Major**
- Crop Science **Minor**
- Dairy Science (DASC) **Major / Minor / 2-Yr Certificate**
- Dance Education **Minor**
- Digital Film and Television **Minor**
- Early Childhood **Certification**
- Early Childhood **Transition to Degree Program**
- Earth Science **Minor**
- Economics (ECON and BLAW) **Major / Minor**
- Elementary Education (TED) **Major**
- English (ENGL) **Major / Minor**
- English Language Arts **Minor**
- Environmental Science (ESM) **Major**
- Military Science and Leadership **Minor**
- Modern Language (MODL) **Major**
- Music (MUS/MUSE/MUSA) **Major / Minor**
- Musical Theatre **Minor**
- Outdoor Education **Minor**
- Philosophy **Minor**
- Physics (PHYS) **Major / Minor / Dual Degree / Secondary Education**
- Political Science (POLS) **Major / Minor**
- Professional and Organizational Communication **Minor**
- Professional Writing **Minor**
- Psychology (PSYC) **Major / Minor**
- Secondary Education **Major**
- Social Science **Minor**
- Social Work (SOWK) **Major**
- Sociology (SOC) **Major / Minor**
- Soil Science **Minor**
- Spanish **Minor**
- Sustainability Studies **Minor**
- Sustainable Agriculture **Minor**
- Sustainable Management (SMGT) **Major**
- Teaching English to Speakers of Other Languages (TESOL) **Major / Minor**
- Theatre Arts (THEA) **Major / Minor**
- Women's and Gender Studies **Minor**

University of Wisconsin-River Falls
 410 S. 3rd Street, River Falls WI 54022 USA
 Campus Information (715) 425-3911

Accounting Major

Accounting Major

Major Requirements - 69 Total Credits

Lower Division Requirements: 21 cr. hrs.

- ECON 201 Principles of Microeconomics 3 cr.
- ECON 202 Principles of Macroeconomics 3 cr.
- ACCT 231 Principles of Accounting I 3 cr.
- ACCT 232 Principles of Accounting II 3 cr.
- CSIS 215 Information Systems for Business Management 3 cr.
- ECON 226 Introduction to Statistics 3 cr.
- or MATH 226 Fundamentals of Statistics

Choose one 3-credit course from:

- COMS 116 Business and Professional Communication
- ENGL 251 Advanced Composition
- ENGL 266 Business Writing
- ENGL 367 Technical Writing

Required Courses: 42 cr. hrs.

- BLAW 265 Business Law I 3 cr.
- BLAW 266 Business Law II 3 cr.
- MNGT 300 Management and Organizational Behavior 3 cr.
- MKTG 310 Principles of Marketing 3 cr.
- FINC 345 Managerial Finance 3 cr.
- ACCT 321 Intermediate Accounting I 3 cr.
- ACCT 322 Intermediate Accounting II 3 cr.
- ACCT 356 Managerial Cost Accounting 3 cr.
- ACCT 357 Advanced Managerial Cost Accounting 3 cr.
- ACCT 360 Federal Income Tax I 3 cr.
- ACCT 361 Federal Income Tax II 3 cr.
- ACCT 366 Accounting Systems 3 cr.
- ACCT 430 Advanced Accounting 3 cr.
- ACCT 461 Auditing 3 cr.

Directed Electives: 6 cr. hrs.

Select from Accounting (not ACCT 201),
Management (not MNGT 150, or 250),
Finance (not FINC 210),
Marketing (not MKTG 311),
Economics (not ECON 100, 150, or 205),
Computer Science (not CSIS 105 or 151),
ENGL 251 or ENGL 367.

No 9000 level courses (transfer courses with no UWRF equivalent) will apply as directed electives.

Required Supporting Courses 7-8 cr.

- A. CBE 100 Orientation to CBE 0.5 cr.

Department of Accounting
and Finance

124 South Hall
(715) 425-3335
www.uwrf.edu/cbe

Reza Rahgozar-Chair, Charles
Corcoran, Dawn Hukai, June Li, Carl
Popelka, Megan Sun, Mary Tichich,
Ellen Schultz-Academic Advisor.

Students are required to have a minimum of 150 semester credit hours in order to sit for the CPA exam in Wisconsin. For education requirements to sit for the CPA exam in Minnesota, please contact the Minnesota State Board of Accountancy.

Students should plan to take MATH 146 (if necessary) before taking MATH 156 or ECON 205 as required in General Education. The lower division course requirements must be completed before the student begins the upper division requirements and the required accounting courses. A 2.5 grade point average must be maintained in the required accounting and business law courses to graduate with a major in accounting.

Undergraduate Accounting students may not transfer more than six credits of 300/400 level courses from non-AACSB accredited programs and institutions into the major.

General Education Requirements

As listed in **general education** with the following exceptions:

CBE 300 Professional Development 0.5 cr.
B. ECON 205 Quantitative Analysis 3 cr.
or **MATH 156** Calculus for Business and Social Science 3 cr.
or **MATH 166** Calculus I 4 cr.

Mathematics: 3 cr. hrs.
MATH 156 Calculus for Business
and Social Sciences
or **ECON 205** Quantitative
Analysis
or **MATH 166** Calculus I (4 cr.)

Admission Requirements

1. For all majors in the College of Business and Economics (CBE):
Completion of at least 27
required general education
credits with a minimum GPA of
2.25.

2. Additionally, the following
must be completed, or in
progress for completion, during
the semester preceding
admission.

GPA of 2.50 in **ACCT 231, ACCT
232; CBE 100; ECON 201, ECON
202; CSIS 215; ECON 205** or
MATH 156 or **MATH 166; ECON
226** or **MATH 226; COMS 116** or
ENGL 266

University of Wisconsin-River Falls
410 S. 3rd Street, River Falls WI 54022 USA
Campus Information (715) 425-3911

Adapted Physical Education K-12 Minor

Adapted Physical Education Minor

23 Total Credits

- P ED 245 Motor Development 3cr.
- P ED 300 Adapted Physical Education 3 cr.
- P ED 305 Developmental Adapted Physical Education 3 cr.
- P ED 344 Teaching Adapted Aquatics 2 cr.
- P ED 370 Adapted Physical Education Practicum 3 cr.
- P ED 420 Disability and Physical Activity Implications
- P ED 421 Teaching Sport to Individuals with Disabilities
- SPED 330 The Exceptional Child 3 cr.

Department of Health and Human Performance

111 Karges Center
(715) 425-3705
www.uwrf.edu/hhp/

Chair-Ken Ecker, Debra Allyn, Jeff Berkhof, Greg Bower, Aaron Decker, Gary Eloranta, Patti Ford, Steve Freeman, Stacy Furness, James Gostomski, Cindy Holbrook, Joe O'Kroy, Faye Perkins, Robert Ritzer, Paul Shirilla, Matt Walker, Karla Zhe

The Adapted Physical Education minor is for students seeking teacher certification to meet the needs of students with disabilities within physical education. This certification is an "add-on" minor for Physical Education-Comprehensive K-12 Physical Education (teacher certifiable) major as part of the baccalaureate program or as a post-baccalaureate program. It is not a stand-alone minor for students seeking any other major.

University of Wisconsin-River Falls
410 S. 3rd Street, River Falls WI 54022 USA
Campus Information (715) 425-3911

Agricultural Business Major

Agricultural Business Major

Required Courses 41 - 42 cr. hrs.

Introductory Courses (8-9 cr. hrs.)

AGEC 101 Economics and Management in Agriculture 3 cr.

AGEC 240 Cooperatives 2 cr.

or **ECON 202** Macroeconomics 3 cr.

AGEC 250 World Food and Population 3 cr.

Tool Courses (21 cr. hrs. from)

AGEC 305 Agricultural Business Accounting 3 cr.

AFES 310 Ag Human Resource Management 3 cr.

AGEC 320 Statistical Methods 3 cr.

AGEC 330 Agricultural Production Economics 3 cr.

AGEC 345 Agricultural Law 3 cr.

AGEC 355 Agricultural Markets and Prices 3 cr.

AGEC 360 Farm Management 3 cr.

AGEC 365 Agricultural Finance 3 cr.

Option Courses (12 cr. hrs from)

AGEC 405 Ag Records and Taxes 3 cr.

AGEC 410 Professional Selling 3 cr.

AGEC 440 Agricultural Policy I (writing intensive) 3 cr.

AGEC 445 Land use and Sustainable Agriculture Law 3 cr.

AGEC 450 Introduction to Natural Resource Economics 3 cr.

AGEC 455 Commodity Marketing 3 cr.

AGEC 270/370/490 Experiential Learning1 - 4 cr.

AGEC 460 Agribusiness Firm Management (writing intensive) 3 cr.

Required Supporting Courses 3-4 cr. hrs.

AFES 492 Senior Multidisciplinary Study 3 cr.

MATH 156 Calculus for Business and Social Science 3 cr.

or **MATH 166** Calculus I 4 cr.

or **ECON 426** Econometrics and Forecasting 3 cr.

Directed Electives: 15 cr. hrs.

15 credits beyond the Foundation Courses in a technical area of agriculture or other related area with consent of department.

Department of Agricultural
Economics (AGEC)

131 Agricultural Science
(715) 425-3298

www.uwrf.edu/AGEC/

David Trechter-Chair, Brenda Boetel,
Todd Hubbs, Chenguang Li, Stanley
Schraufnagel, Nate Splett
Adjunct Faculty-Juliet Tomkins
Program Assistant-Fay Westberg

See also:

[Agricultural Business Minor](#)
[Farm Management Minor](#)

Agricultural Business Minor

Agricultural Business Minor

Required courses 24 cr. hrs.

AGEC 230 Agricultural Economics I 3 cr.

Select 15 cr. from:

AGEC 305 Agricultural Business Accounting 3 cr.

AFES 310 Ag Human Resource Management 3 cr.

AGEC 320 Statistical Methods 3 cr.

AGEC 330 Agricultural Production Economics 3 cr.

AGEC 345 Agricultural Law 3 cr.

AGEC 355 Agricultural Markets and Prices 3 cr.

AGEC 360 Farm Management 3 cr.

or **AGEC 361** Horticulture Business Management

AGEC 365 Agricultural Finance 3 cr.

Select 6 cr. from:

AGEC 405 Ag Records and Taxes 3 cr.

AGEC 410 Professional Selling 3 cr.

AGEC 440 Agricultural Policy I (writing intensive) 3 cr.

AGEC 450 Introduction to Natural Resource Economics 3 cr.

AGEC 455 Commodity Marketing 3 cr.

AGEC 270/370/490 Experiential Learning1 - 4 cr.

AGEC 460 Agribusiness Firm Management (writing intensive) 3 cr.

Department of Agricultural
Economics (AGEC)

131 Agricultural Science
(715) 425-3298

www.uwrf.edu/AGEC/

David Trechter-Chair, Brenda Boetel,
Todd Hubbs, Chenguang Li, Stanley
Schraufnagel, Nate Splett
Adjunct Faculty-Juliet Tomkins
Program Assistant-Fay Westberg

University of Wisconsin-River Falls
410 S. 3rd Street, River Falls WI 54022 USA
Campus Information (715) 425-3911

Agricultural Education Major

Professional Education Requirements

- AGED 120** Orientation to Agriculture and Extension Education 1 cr.
AGED 201 Program Delivery in Agricultural, Extension, and Leadership Education 2 cr.
SPED 330 The Exceptional Child 3 cr.
TED 212 Educational Psychology: Middle and Secondary Education (writing intensive) 5 cr.
TED 252 Foundations of Multicultural Education 3 cr.
TED 422 Content Area Literacy in Middle and Secondary Schools 3 cr.
TED 440 Techniques of Middle/Secondary Education: Agriculture 3 cr.
TED 475 Student Teaching: K-12 12 cr.
or **TED 479** Intern Teaching: Secondary 12 cr.

Agricultural Education Major

Foundation Requirements-Select five: 14-16 cr.

- AGEC 230** Agricultural Economics I 3 cr.
AGEN 150 Agricultural and Environmental Engineering Technology 3 cr.
ANSC 111 Introduction to Animal Science 3 cr.
CROP 161 or **HORT 161** Introduction to Plant Science 3 cr.
ESM 109 Introduction to Forestry 2 cr.
FDSC 110 The Science of Food 3 cr. and
FDSC 113 Introduction to Food Science 1 cr.
SOIL 120 Introduction to Soil Science 3 cr.

Major Requirements: 35-37 cr. hrs.

Required Courses (22 cr.):

- AGED 202** Leadership and Group Dynamics 3 cr.
AGED 275 Early Field Experience 1 cr.
AGED 369 Foundations of Career and Technical Education 3 cr.
AGED 403 Supervision of Work Experience and Youth Organizations 3 cr.
AGED 462 Curriculum Design in Vocational Education 3 cr.
ANSC 231 Principles of Nutrition 3 cr.
CROP 257 Genetics or **ANSC 257** Genetics 3 cr.
HORT 169 Introduction to Horticulture 3 cr.

Choose one of the following (2-3 cr.):

- AGEC 240** Cooperatives 2 cr.
AGEC 355 Agricultural Markets and Prices 3 cr.

Choose one of the following (3 cr.):

- AGEC 360** Farm Management 3 cr.
AGEC 361 Horticultural Business Management 3 cr.
AGEC 460 Agribusiness Firm Management 3 cr.

Choose one of the following (3-4 cr.):

- AGEN 240** Structures 3 cr.
AGEN 255 Welding and Metal Manufacturing 3 cr.

Agricultural Education
Department

324 Agricultural Science
(715) 425-3555
www.uwrf.edu/AGED/

James Graham–Chair, Timothy
Buttles

General Education Requirements for the Agricultural Education Major

The following general education courses are required to meet teacher licensing requirements of the WI Department of Public Instruction:

CW (Communication - Reading and Writing)

ENGL 100-Academic Reading and Writing (3)

CS (Communication - Speaking and Listening)

CSTA 101-Fundamentals of Oral Communication (3)

or **CSTA 116**-Business and Professional Communication (3)

CA (Advanced Communication)
ENGL 200-Investigating Ideas: Reading, Writing, and the Disciplines (3)

SB (Social and Behavioral Sciences)

HIST 201-Introduction to Asian Civilization (3)

HF (Humanities and Fine Arts)

ART 100-Introduction to Art (3)
or **DANC 100**-History/Appreciation of Dance (3)

or **MUS 100**-Understanding Music (3)

AGEN 320 Internal Combustion Engines 3 cr.
AGEN 333 Landscape Construction 3 cr.
AGEN 350 Applied Electricity 3 cr.
AGEN 440 Soil and Water Conservation 4 cr.
Directed CAFES Electives: 5-7 cr. hrs.

or PHIL/ART 310-Philosophy and
History of Visual Art (3)

ENGL 241-Human Issues in
Literature (3)
or ENGL 243-Literature:
Introduction to Fiction, Poetry,
and Drama (3)

M (Mathematics)
MATH 146-College Algebra (3)

SL (Scientific Investigation)
BIOL 150-General Biology (3)
CHEM 121-General Chemistry I
(5)
or CHEM 120-Introduction to
General Chemistry (6)

EC (Ethical Citizenship)
CROP 120-Plants and Society (3)

MD (Multidisciplinary)
ESM 300 Environmental Education
(3)

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Agricultural Engineering Technology Major

Agricultural Engineering Technology Major

Major Requirements 55-60 Total Credits

Core Courses: 29 cr. hrs.

- AGEN 185 Agricultural Engineering Technology Professional Seminar I 1 cr.
- AGEN 240 Structures 3 cr.
- AGEN 285 Agricultural Engineering Technology Professional Seminar II 1 cr.
- AGEN 350 Applied Electricity 3 cr.
- AGEN 352 Food and Process Engineering 3 cr.
- AGEN 355 Irrigation and Drainage (writing intensive) 3 cr.
- AGEN 385 Agricultural Engineering Technology Professional Seminar III 1 cr.
- AGEN 485 Agricultural Engineering Technology Professional Seminar IV 1 cr.
- GENG 121 Engineering Drawing 3 cr.
- GENG 245 Materials Design Requirements 3 cr.
- GENG 265 Engineering Graphics 3 cr.
- GENG 450 Engineering Project Management 3 cr.
- PHYS 156 General Physics Laboratory 1 cr.

Choose one of the following three options:

Agricultural Engineering Technology Option 26-29 cr. hrs.

- AGEN 320 Internal Combustion Engines 3 cr.
- AGEN 361 Machinery and Power Mechanics 4 cr.
- AGEN 363 Precision Agriculture Technology 3 cr.
- AGEN 451 Agricultural Instrumentation and Electronics (writing intensive) 2 cr.
- GENG 235 Surveying 3 cr.

Choose two from:

- AGEN 425 Environmental Engineering Technology 4 cr.
- AGEN 443 Controlled Environment Systems 3 cr.
- AFES 492 Experiential Learning in Agriculture, Food, and Environmental Science 3cr.

Choose one from:

- AGEN 365 Waste Management Systems (writing intensive) 3 cr.
- AGEN 389 Agricultural Engineering Technology: 1/4 Scale Tractor 3 cr.

Choose one from:

- AGEN 255 Welding and Metal Manufacturing 3 cr.
- GENG 201 Industrial Safety 2 cr.
- GENG 236 Advanced Surveying 3 cr.
- GENG 251 Static Strength of Materials 3 cr.
- GENG 252 Dynamics 3 cr.
- PHYS 152 Algebra-Based Physics II 4 cr.
or PHYS 162 Calculus-Based Physics II

Agricultural Engineering Technology Department

192 Agricultural Engineering Addition
(715) 425-3985

[Department Website](#)

Dean Olson-Chair, Joel Peterson,
Joseph Shakal

Environmental Engineering Technology Option 27-28 cr. hrs.

CHEM 122 General Chemistry II 5 cr.
CHEM 230 General Organic Chemistry 3 cr.
BIOL 324 Microbiology 4 cr.
AGEN 365 Waste Management Systems (writing intensive) 3 cr.
AGEN 425 Environmental Engineering Technology 4 cr.
AGEN 451 Agricultural Instrumentation and Electronics (writing intensive) 2 cr.
GENG 235 Surveying 3 cr.

Choose one from:

GEOL 445 Hydrogeology 3 cr.
AGEC 450 Introduction to Natural Resource Economics 3 cr.
ESM 360 Applied Hydrology and Water Quality 4 cr.

Mechanized Systems Management Option 28-31 cr. hrs.

GENG 201 Industrial Safety 2 cr.
ENGL 367 Technical Writing 3 cr.
AGEC 305 Agricultural Accounting 3 cr.
AGEC 320 Statistical Methods 3 cr.
AGEC 360 Farm Management 3 cr.
AGEC 410 Professional Selling (writing intensive) 3 cr.
AGEC 460 Agribusiness Firm Management (writing intensive) 3 cr.

Choose one from:

AGEN 425 Environmental Engineering Technology 4 cr.
AGEN 443 Controlled Environment Systems 3 cr.
AGEN 451 Agricultural Instrumentation and Electronics (writing intensive) 2 cr.
AFES 492 Experiential Learning in Agriculture, Food, and Environmental Science

Choose two from:

AGEN 320 Internal Combustion Engines 3 cr.
AGEN 361 Machinery and Power Mechanics 4 cr.
AGEN 363 Precision Agriculture Technology
AGEN 365 Waste Management Systems (writing intensive) 3 cr.

Required Supporting Courses: 4-14 cr. hrs.

Computer Literacy - students who are not prepared to use word processing and spreadsheet programs to complete assignments in Agricultural Engineering Technology courses should elect CSIS 105 in their freshman year.

University of Wisconsin-River Falls
410 S. 3rd Street, River Falls WI 54022 USA
Campus Information (715) 425-3911

Agricultural Engineering Technology Minor

Agricultural Engineering Technology Minor

Minor Requirements 22 Total Credits

Required Courses: 6 cr. hrs.

AGEN 150 Introduction to Agricultural Engineering 3

GENG 265 Engineering Graphics 3

Complete one of the following sets of courses: 7-10 cr. hrs.

1 AGEN 320 Internal Combustion Engines 3

AGEN 361 Machinery and Power Mechanics 4

AGEN 465 Fluid Power Systems 2

2 AGEN 350 Applied Electricity 3

AGEN 451 Agricultural Instrumentation and Electronics (writing intensive) 2

GENG 368 CAD Applications 3

3 AGEN 352 Food and Process Engineering 3

AGEN 455 Advanced Food and Process Engineering 3

GENG 368 CAD Applications 3

4 AGEN 240 Structures 3

AGEN 333 Landscape Construction 3

GENG 450 Engineering Project Management 3

5 AGEN 355 Irrigation and Drainage (writing intensive) 3

AGEN 365 Waste Management Systems (writing intensive) 3

AGEN 425 Environmental Engineering Technology 4

Directed electives in Agricultural Engineering Technology or

General Engineering: 6-9 cr. hrs.

Agricultural Engineering Technology Department

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Addition**

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**[www.uwrf.edu/ag-
engineering/](http://www.uwrf.edu/ag-engineering/)**

Dean Olson—Chair, Jerry Nechville,
Joel Peterson, Joseph Shakal

University of Wisconsin-River Falls
410 S. 3rd Street, River Falls WI 54022 USA
Campus Information (715) 425-3911

Agricultural Studies Major

A minor in any agricultural subject area is required.

General Education Requirements

As listed under **General Education** with the following exceptions:

Social and Behavioral: **ESM 105**, Introduction to Environmental Studies

Sciences: **CHEM 121**, General Chemistry or **CHEM 120**, Introduction to General Chemistry

Mathematics: **MATH 146**, College Algebra, or equivalent

Foundation Requirements 15 cr. hrs.

AGEC 230 Agricultural Economics I 3 cr.

AGEN 150 Agricultural and Environmental Engineering Technology 3 cr.

CROP 161 Introduction to Plant Science

or **HORT 161** Introduction to Plant Science 3 cr.

ANSC 111 Introduction to Animal Science 3 cr.

SOIL 120 Introduction to Soil Science 3 cr.

Agricultural Studies Major

The Agricultural Studies major enables the student to gain a breadth of knowledge about many areas within the field of agriculture, food and environmental science. A relatively large course elective component allows students to be flexible in meeting individual needs. For example, students may elect courses in agricultural communications under this major.

Agricultural Studies

Dean's Office

210 Agricultural Science

(715) 425-3841

Agricultural Studies is a four-year Bachelor of Science degree program. Students majoring in Agricultural Studies will acquire broad knowledge in the fields of agriculture, food and the environmental sciences. Students may also pursue individual special interests through elective classes. In consultation with an adviser, students may choose elective courses in areas such as agronomy, animal science, communications, marketing, management, international studies, etc. The Agricultural Studies major also requires completion of a minor in an agricultural subject area.

[Learn more about the Agricultural Studies Major](#)

[College Requirements](#)

[General Education Requirements](#)

[University Requirements](#)

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Animal Science Major

The Animal Science Major offers three separate emphases:

Meat Animal / Equine / Veterinary Technology

Animal Science Major - Meat Animal Emphasis

Required Courses: 34 cr. hrs.

- ANSC 231 Principles of Nutrition 3 cr.
- ANSC 232 Applied Feeds and Feeding 3 cr.
- ANSC 257 Genetics 3 cr.
- ANSC 260 Animal Physiology 4 cr.
- ANSC 345 Animal Health 2 cr.
- ANSC 346 Principles of Animal Breeding 3 cr.
- ANSC 433 Advanced Nutrition 3 cr.
- ANSC 448 Reproductive Physiology 3 cr.
- ANSC 485 Seminar: Animal Science 1 cr.
- ANSC 238 Meat and Meat Products 3 cr.
- ANSC 366 Swine Production
- or ANSC 367 Beef Production 3 cr.
- ANSC 240 Meat Product Processing
- or ANSC 467 Feedlot Management
- or A second production course from ANSC 365, 366, 367, 368 3 cr.

Management Option: 22 cr. hrs.

Required Courses: 10 cr. hrs.

- CHEM 230 General Organic Chemistry 3 cr.
- AGBI 251 Agricultural Biochemistry 3 cr.
- BIOL 324 Microbiology 4 cr.

Directed Electives: 12 cr. hrs.

Choose two courses from:

- AGEC 305 Agricultural Accounting 3 cr.
- AGEC 345 Agricultural Law 3 cr.
- AGEC 355 Agricultural Markets and Prices 3 cr.
- AGEC 360 Farm Management 3 cr.
- AGEC 365 Agricultural Finance 3 cr.

Select a total of six credits of 200 level or higher courses from Food Science, Agricultural Education, Agricultural Economics, Agricultural Engineering, Plant and Earth Science, Modern Language, or the College of Business and Economics. 6 cr.

Science Option: 32-37 cr. hrs.

Required Courses:

- CHEM 122 General Chemistry II 5 cr.
- CHEM 231 Organic Chemistry I 3 cr.
- CHEM 236 Organic Chemistry Lab I 1 cr.
- or CHEM 246 Synthetic and Analytical Techniques I 2 cr.
- CHEM 232 Organic Chemistry II 3 cr.
- CHEM 237 Organic Chemistry Lab II 1 cr.

General Education Requirements

As listed with the following exceptions:

CS (Communication/Speaking and Listening) designator:
CSTA 101 or CSTA 116 is required

SL (Scientific Investigation) / S (Sciences) designator:
BIOL 150 is required
CHEM 120 or CHEM 121 is required

Foundation Courses in Agriculture: 9-12 cr. hrs., depending on emphasis
Required Courses for all emphases:

ANSC 111 Introduction to Animal Science 3 cr.
AGEC 230 Agricultural Economics I 3 cr.

Select 2 from the following (Meat Animal and Equine emphases):

Select 1 from the following (Veterinary Technology emphasis):

- FDSC 110 The Science of Food 3 cr.
- AGEN 150 Introduction to Ag Engineering 3 cr.
- CROP 161 Introduction to Plant Science 3 cr.
- or HORT 161 Introduction to Plant Science 3 cr.
- SOIL 210 Introduction to Soils 3 cr.

Department of Animal and Food Science

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(715) 425-3704

or CHEM 247 Synthetic and Analytical Techniques II 2 cr.
CHEM 361 Biochemistry I 3 cr.
MATH 147 College Algebra and Trigonometry 3 cr.
or MATH 149 Precalculus 4 cr.
or MATH 166 Calculus I 4 cr.
PHYS 151 General Physics 4 cr.
or PHYS 161 General Physics 4 cr.
ANSC 341 Biometrics 3 cr.
BIOL 324 Microbiology 4 cr.

Directed Electives: 2-4 cr. hrs.

Choose one from the following:

ANSC 447 Endocrinology 2 cr.
BIOL 230 General Zoology 3 cr.
BIOL 240 Cell Biology 3 cr.
CHEM 362 Biochemistry II 3 cr.
CHEM 461 Pharmacology 3 cr.
PHYS 152 General Physics II 4 cr.
PHYS 162 General Physics II 4 cr.

Minor Option: 22-24 cr. hrs.

As an alternative to the Management or Science option, students can pair the Animal Science major with an academic minor to develop a more in-depth understanding of a second area of interest.

Any minor of 22-24 credits or second major (other than Animal Science, Dairy Science, or Ag Studies). In addition to the minor or second major the following three courses are required:

CHEM 230 General Organic Chemistry 3 cr.
AGBI 251 Agricultural Biochemistry 3 cr.
BIOL 324 Microbiology 4 cr.

Animal Science Major-Equine Emphasis

Required Courses: 36 cr. hrs.

ANSC 231 Principles of Nutrition 3 cr.
ANSC 232 Applied Feeds and Feeding 3 cr.
ANSC 257 Genetics 3 cr.
ANSC 260 Animal Physiology 4 cr.
ANSC 345 Animal Health 2 cr.
ANSC 346 Principles of Animal Breeding 3 cr.
ANSC 433 Advanced Nutrition 3 cr.
ANSC 448 Reproductive Physiology 3 cr.
ANSC 485 Seminar: Animal Science 1 cr.
ANSC 167 Equine Management and Equitation 2 cr.
ANSC 168 Equine Equitation and Management Lab 2 cr.
ANSC 369 Equine Production 4 cr.
ANSC 261 Advanced Horsemanship 3 cr.
or ANSC 268 Balanced Seat Applications 3 cr.

Management Option: 22 cr. hrs.

Required Courses: 6 cr. hrs.

CHEM 230 General Organic Chemistry 3 cr.
AGBI 251 Agricultural Biochemistry 3 cr.

Directed Electives: 12 cr. hrs.

Choose two courses from:

AGEC 305 Agricultural Accounting 3 cr.

www.uwrf.edu/ANFS/

Gary Onan-Chair, Larry Baumann,
Perry Clark, Dennis Cooper, Kari
Ekenstedt, Michelle Farner, Kristina
Hiney, Sylvia Kehoe, Steve Kelm,
Justin Luther, Nathan O'Connor, Peter
Rayne, Kurt Vogel, Bonnie Walters,
Steve Watters

AGEC 345 Agricultural Law 3 cr.
AGEC 355 Agricultural Markets and Prices 3 cr.
AGEC 360 Farm Management 3 cr.
AGEC 365 Agricultural Finance 3 cr.

Select a total of six credits of 200 level or higher courses from Food Science, Agricultural Education, Agricultural Economics, Agricultural Engineering, Plant and Earth Science, Modern Language, or the College of Business and Economics. 6 cr.

Science Option: 32-37 cr. hrs.

Required Courses:

CHEM 122 General Chemistry II 5 cr.
CHEM 231 Organic Chemistry I 3 cr.
CHEM 236 Organic Chemistry Lab I 1 cr.
or CHEM 246 Synthetic and Analytical Techniques I 2 cr.
CHEM 232 Organic Chemistry II 3 cr.
CHEM 237 Organic Chemistry Lab II 1 cr.
or CHEM 247 Synthetic and Analytical Techniques II 2 cr.
CHEM 361 Biochemistry I 3 cr.
MATH 147 College Algebra and Trigonometry 3 cr.
or MATH 149 Precalculus 4 cr.
or MATH 166 Calculus I 4 cr.
PHYS 151 General Physics 4 cr.
or PHYS 161 General Physics 4 cr.
ANSC 341 Biometrics 3 cr.
BIOL 324 Microbiology 4 cr.

Directed Electives: 2-4 cr. hrs.

Choose one from the following:

ANSC 447 Endocrinology 2 cr.
BIOL 230 General Zoology 3 cr.
BIOL 240 Cell Biology 3 cr.
CHEM 362 Biochemistry II 3 cr.
CHEM 461 Pharmacology 3 cr.
PHYS 152 General Physics II 4 cr.
PHYS 162 General Physics II 4 cr.

Minor Option: 22-24 cr. hrs.

As an alternative to the Management or Science option, students can pair the Animal Science major with an academic minor to develop a more in-depth understanding of a second area of interest.

Any minor of 22-24 credits or second major (other than Animal Science, Dairy Science, or Ag Studies). In addition to the minor or second major the following two courses are required:

CHEM 230 General Organic Chemistry 3 cr.
AGBI 251 Agricultural Biochemistry 3 cr.

Animal Science Major-Veterinary Technology Emphasis

Required Courses: 79 cr. hrs.

ANSC 121 Companion Animals 2 cr.
ANSC 231 Principles of Nutrition 3 cr.
ANSC 232 Applied Feeds and Feeding 3 cr.
ANSC 257 Genetics 3 cr.
ANSC 260 Animal Physiology 4 cr.

ANSC 345 Animal Health 2 cr.
ANSC 346 Principles of Animal Breeding 3 cr.
ANSC 433 Advanced Nutrition 3 cr.
ANSC 448 Reproductive Physiology 3 cr.
ANSC 485 Seminar: Animal Science 1 cr.
CHEM 230 General Organic Chemistry
or CHEM 231 Organic Chemistry I 3 cr.
AGBI 251 Agricultural Biochemistry
or CHEM 361 Biochemistry I 3 cr.
BIOL 230 General Zoology 3 cr.
BIOL 243 Introduction to Biological Greek and Latin 2 cr.
BIOL 324 Microbiology 4 cr.
**37 credits transferred from an accredited Veterinary
Technician program**

University of Wisconsin-River Falls
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Campus Information (715) 425-3911

Animal Science Minor

Animal Science Minor

Minor Requirements: 22 cr. hrs.

Required Courses: 12 cr. hrs.

ANSC 111 Introduction to Animal Science 3 cr.

ANSC 231 Principles of Nutrition 3 cr.

ANSC 232 Applied Feeds and Feeding 3 cr.

ANSC 257 Genetics 3 cr.

Directed Electives 3-4 cr. hrs.

Choose one course from the following:

ANSC 365 Poultry Production 3 cr.

ANSC 366 Swine Production 3 cr.

ANSC 367 Beef Production 3 cr.

ANSC 368 Sheep Production 3 cr.

ANSC 369 Equine Production 4 cr.

Animal Science Electives 6-7 cr. hrs.

Any combination of additional Animal Science (ANSC) courses to bring total credits in minor to a minimum of 22 cr. hrs.

Department of Animal and
Food Science

247 Agricultural Science
(715) 425-3704

www.uwrf.edu/ANFS/

Gary Onan-Chair, Larry Baumann,
Perry Clark, Dennis Cooper, Kari
Ekenstedt, Michelle Farner, Kristina
Hiney, Sylvia Kehoe, Steve Kelm,
Justin Luther, Nathan O'Connor,
Peter Rayne, Kurt Vogel, Bonnie
Walters, Steve Watters

University of Wisconsin-River Falls
410 S. 3rd Street, River Falls WI 54022 USA
Campus Information (715) 425-3911

Anthropology Minor

Anthropology Minor

Anthropology Minor: 24 Total Credits

Required Courses: 12 cr. hrs.

SOCI 100 Introduction to Sociology 3 cr.

(counts 3 cr. hrs. in general education)

or **ANTH 100** Introduction to Anthropology

(counts 3 cr. hrs. in general education)

Choose one of the following courses:

SOCI 221 Global Perspectives on Women 3 cr.

ANTH 221 Global Perspectives on Women 3 cr.

ANTH 225 Sociology of Race and Ethnicity 3 cr.

Take the following courses:

ANTH 247 Human and Cultural Origins 3 cr.

ANTH 348 Faces of Culture 3 cr.

Choose one of the following courses:

ANTH 228 Native American Cultures 3 cr.

SOCI 338 Global Perspectives on Health and Disease 3 cr.

ANTH 338 Global Perspectives on Health and Disease 3 cr.

SOCI 211 Global Perspectives on Children 3 cr.

ANTH 211 Global Perspectives on Children 3 cr.

Electives in Sociology/Anthropology: 12 cr. hrs.

At least 6 credits must be at the 300/400 level.

Sociology, Anthropology and
Criminal Justice Department

326 Kleinpell Fine Arts

(715) 425-3992

www.uwrf.edu/anthropology/

Edward Robins-Chair, Brian Copp, Tricia
Davis, Pao Lee, Timothy E. Nissen, Rich
Wallace

University of Wisconsin-River Falls
410 S. 3rd Street, River Falls WI 54022 USA
Campus Information (715) 425-3911

Catalog

Art Major

Art Major-Liberal Arts (with minor or additional major)

Major Requirements: 36 Total Credits

Foundation Courses in Art: 18 cr. hrs.

ART 121 Design Foundation 3 cr.

ART 131 Drawing I 3 cr.

ART 132 Drawing II 3 cr.

ART 211 Western Art to 1500 3 cr.

ART 212 Art History Since 1500 3 cr.

ART 485 Art Seminar 3 cr.

Required Courses: 18 cr. hrs.

Choose 12 credits from:

ART 225 Advertising Design I 3 cr.

ART 226 Introduction to Fibers 3 cr.

ART 227 Introduction to Clay 3 cr.

ART 228 Introduction to Metal 3 cr.

ART 229 Introduction to Glass 3 cr.

ART 235 Introduction to Black and White Photography 3 cr.

ART 236 Introduction to Printmaking 3 cr.

ART 238 Introduction to Painting 3 cr.

Choose 6 credits from:

ART 289 Special Topics 3 cr.

ART 303 Advertising Design II 3 cr.

ART 309 Gallery Techniques 1-3 cr.

ART 320 Drawing from the Figure 3 cr.

ART 326 Studio-Fibers 3 cr.

ART 327 Studio-Clay 3 cr.

ART 328 Studio-Metals 3 cr.

ART 329 Studio-Glass 3 cr.

ART 335 Studio-Photography 3 cr.

ART 336 Studio-Printmaking 3 cr.

ART 338 Studio-Painting 3 cr.

ART 407 Introduction to Art Therapy 3 cr.

ART 408 Art Therapy Group Process 3 cr.

Art Department

172 Kleinpell Fine Arts

(715) 425-3266

www.uwrf.edu/ART/

Eoin Breadon - Glass

Morgan Clifford - Fibers, Art Seminar

Bernice Ficek-Swenson -

Printmaking, Drawing

David Heberlein - Photography,

Design Foundations

Lynn Jermal - Art Education,

Drawing

Randy Johnston - Chair, Ceramics,

Drawing

Jeannine Kitzhaber - Introduction to

Art, Design Foundations

Peter Mak - Painting, Drawing

Dan Paulus - Advertising Design,
Graphics

Kaylee Spencer - Art History, Art
Society

Adjunct Faculty

Stephanie deArmond - Drawing

Heather Delisle - Art Education

Lauren Herzak-Bauman -

Introduction to Art

Ann Lawton - Intro to Art

Asako Nakauchi - Sculpture/Metals

Rhonda Willers - Ceramics,

Introduction to Art

Program Associate

Susie Zimmer

University of Wisconsin-River Falls
410 S. 3rd Street, River Falls WI 54022 USA
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Catalog

Art Minor

Art Minor

Art Minor: 24 Total Credits

Foundation Courses in Art: 9 cr. hrs.

Choose 9 credits from:

ART 121 Design Foundation 3 cr.

ART 131 Drawing I 3 cr.

ART 211 West Art to 1500 3 cr.

ART 212 West Art Since 1500 3 cr.

Electives in Art: 6 cr. hrs.

ART 225 Advertising Design I 3 cr.

ART 226 Introduction to Fibers 3 cr.

ART 227 Introduction to Clay 3 cr.

ART 228 Introduction to Metal 3 cr.

ART 229 Introduction to Glass 3 cr.

ART 235 Introduction to Black and White Photography 3 cr.

ART 236 Introduction to Printmaking 3 cr.

ART 238 Introduction to Painting 3 cr.

Select from any Art courses: 9 cr. hrs.

Art Department

172 Kleinpell Fine Arts

(715) 425-3266

www.uwrf.edu/ART/

Eoin Breadon - Glass

Morgan Clifford - Fibers, Art Seminar

Bernice Ficek-Swenson -

Printmaking, Drawing

David Heberlein - Photography,

Design Foundations

Lynn Jermal - Art Education,

Drawing

Randy Johnston - Chair, Ceramics,

Drawing

Jeannine Kitzhaber - Introduction to

Art, Design Foundations

Peter Mak - Painting, Drawing

Dan Paulus - Advertising Design,
Graphics

Kaylee Spencer - Art History, Art
Society

Adjunct Faculty

Stephanie deArmond - Drawing

Heather Delisle - Art Education

Lauren Herzak-Bauman -

Introduction to Art

Ann Lawton - Intro to Art

Asako Nakauchi - Sculpture/Metals

Rhonda Willers - Ceramics,

Introduction to Art

Program Associate

Susie Zimmer

University of Wisconsin-River Falls
410 S. 3rd Street, River Falls WI 54022 USA
Campus Information (715) 425-3911

Fine Arts Major

Bachelor of Fine Arts - Liberal Arts

Major Requirements: 79 Total Credits (no minor required)

Foundation Courses in Art: 22 cr. hrs.

ART 121 Design Foundation 3 cr.

ART 131 Drawing I 3 cr.

ART 132 Drawing II 3 cr.

ART 211 Western Art to 1500 3 cr.

ART 212 Art History Since 1500 3 cr.

ART 309 Senior Exhibition 1 cr.

ART 320 Drawing from the Figure 3 cr.

ART 485 Art Seminar 3 cr.

Required Courses: 46 cr. hrs. Choose 18 credits from:

ART 225 Advertising Design I 3 cr.

ART 226 Introduction to Fibers 3 cr.

ART 227 Introduction to Clay 3 cr.

ART 228 Introduction to Metal 3 cr.

ART 229 Introduction to Glass 3 cr.

ART 235 Introduction to Black and White Photography 3 cr.

ART 236 Introduction to Printmaking 3 cr.

ART 237 Introduction to Sculpture 3 cr.

ART 238 Introduction to Painting 3 cr.

Major Studio Area-Choose 15 credits from:

ART 326 Studio-Fibers 3 cr.

ART 327 Studio-Clay 3 cr.

ART 328 Studio-Metals 3 cr.

ART 329 Studio-Glass 3 cr.

ART 335 Studio-Photography 3 cr.

ART 336 Studio-Printmaking 3 cr.

ART 337 Studio-Sculpture 3 cr.

ART 338 Studio-Painting 3 cr.

Minor Studio Area-Choose 6 credits.

May choose from major studio courses listed above or the following:

ART 407 Introduction to Art Therapy 3 cr.

Choose 4 credits from:

Art History elective cr.

Electives: 4 cr. hrs.

Outside the Art Department with prior approval of advisor.

Required Supporting Courses 9 cr. hrs.

ANTH 100 Introduction to Anthropology 3 cr.

ART/PHIL 310 Philosophy of the Arts 3 cr.

ENGL 231 The Short Story 3 cr.

ENGL 232 Contemporary Drama 3 cr.

ENGL 233 Introduction to Poetry 3 cr.

ENGL 234 Modern Novels 3 cr.

ENGL 341 European Literature 3 cr.

Choose a foreign language course at intermediate or higher level 3 cr.

Art Department

172 Kleinpell Fine Arts

(715) 425-3266

www.uwrf.edu/ART/

Eoin Breadon - Glass

Morgan Clifford - Fibers, Art Seminar

Bernice Ficek-Swenson -

Printmaking, Drawing

David Heberlein - Photography,

Design Foundations

Lynn Jermal - Art Education,

Drawing

Randy Johnston - Chair, Ceramics,

Drawing

Jeannine Kitzhaber - Introduction to

Art, Design Foundations

Peter Mak - Painting, Drawing

Dan Paulus - Advertising Design,
Graphics

Kaylee Spencer - Art History, Art
Society

Adjunct Faculty

Stephanie deArmond - Drawing

Heather Delisle - Art Education

Lauren Herzak-Bauman -

Introduction to Art

Ann Lawton - Intro to Art

Asako Nakauchi - Sculpture/Metals

Rhonda Willers - Ceramics,

Introduction to Art

Program Associate

Susie Zimmer

MUS 200 American Music 3 cr.
MUS 234 Music History and Literature I 4 cr.
MUS 235 Music History and Literature II 4 cr.
CSTA 121 Acting I: Basic Techniques 3 cr.
CSTA 131 Design for the Theatre 3 cr.
CSTA 200 Introduction to Film Studies 3 cr.

University of Wisconsin-River Falls
410 S. 3rd Street, River Falls WI 54022 USA
Campus Information (715) 425-3911

Broad Area Art Major

Broad Area Art Major-Liberal Arts

Major Requirements: 56 Total Credits (no minor required)

Foundation Courses in Art: 18 hrs.

ART 121 Design Foundation 3 cr.

ART 131 Drawing I 3 cr.

ART 132 Drawing II 3 cr.

ART 211 Western Art to 1500 3 cr.

ART 212 Art History Since 1500 3 cr.

ART 485 Art Seminar 3 cr.

Required Courses Major Program: 38 cr. hrs.

Choose 18 credits from:

ART 225 Advertising Design I 3 cr.

ART 226 Introduction to Fibers 3 cr.

ART 227 Introduction to Clay 3 cr.

ART 228 Introduction to Metal 3 cr.

ART 229 Introduction to Glass 3 cr.

ART 235 Introduction to Black and White Photography 3 cr.

ART 236 Introduction to Printmaking 3 cr.

ART 238 Introduction to Painting 3 cr.

Choose 17 credits from:

ART 303 Advertising Design II 3 cr.

ART 309 Senior Exhibition 1 cr.

ART 320 Drawing from the Figure 3 cr.

ART 326 Studio-Fibers 3 cr.

ART 327 Studio-Clay 3 cr.

ART 328 Studio-Metals 3 cr.

ART 329 Studio-Glass 3 cr.

ART 335 Studio-Photography 3 cr.

ART 336 Studio-Printmaking 3 cr.

ART 338 Studio-Painting 3 cr.

ART 407 Introduction to Art Therapy 3 cr.

ART 408 Art Therapy Group Process 3 cr.

Additional Art History 3 credits.

Art Department

172 Kleinpell Fine Arts

(715) 425-3266

www.uwrf.edu/ART/

Eoin Breadon - Glass

Morgan Clifford - Fibers, Art Seminar

Bernice Ficek-Swenson -

Printmaking, Drawing

David Heberlein - Photography,

Design Foundations

Lynn Jermal - Art Education,

Drawing

Randy Johnston - Chair, Ceramics,

Drawing

Jeannine Kitzhaber - Introduction to

Art, Design Foundations

Peter Mak - Painting, Drawing

Dan Paulus - Advertising Design,

Graphics

Kaylee Spencer - Art History, Art

Society

Adjunct Faculty

Stephanie deArmond - Drawing

Heather Delisle - Art Education

Lauren Herzak-Bauman -

Introduction to Art

Ann Lawton - Intro to Art

Asako Nakauchi - Sculpture/Metals

Rhonda Willers - Ceramics,

Introduction to Art

Program Associate

Susie Zimmer

University of Wisconsin-River Falls
410 S. 3rd Street, River Falls WI 54022 USA
Campus Information (715) 425-3911

Education Broad Area Art Major

Education Broad Area Art Major

Major Requirements: 59 Total Credits (no minor required)

Foundation Courses in Art:

Liberal Arts choose 24-25 hrs.

ART 121 Design Foundation 3 cr.

ART 131 Drawing I 3 cr.

ART 132 Drawing II 3 cr.

ART 211 Western Art to 1500 3 cr.

ART 212 Art History Since 1500 3 cr.

Additional Art History 2-3 cr.

ART 485 Art Seminar 3 cr.

Required Courses Major Program: 34 cr. hrs.

Choose 18 credits from:

ART 225 Advertising Design I 3 cr.

ART 226 Introduction to Fibers 3 cr.

ART 227 Introduction to Clay 3 cr.

ART 228 Introduction to Metal 3 cr.

ART 229 Introduction to Glass 3 cr.

ART 235 Introduction to Black and White Photography 3 cr.

ART 236 Introduction to Printmaking 3 cr.

ART 238 Introduction to Painting 3 cr.

ART 289 Special Topics in Art 3 cr.

14 credits from:

ART 303 Advertising Design II 3 cr.

ART 309 Gallery Techniques 1-3 cr.

ART 320 Drawing from the Figure 3 cr.

ART 326 Studio-Fibers 3 cr.

ART 327 Studio-Clay 3 cr.

ART 328 Studio-Metals 3 cr.

ART 329 Studio-Glass 3 cr.

ART 335 Studio-Photography 3 cr.

ART 336 Studio-Printmaking 3 cr.

ART 338 Studio-Painting 3 cr.

ART 389 Special Topics in Art 3 cr.

ART 407 Introduction to Art Therapy 3 cr.

ART 408 Art Therapy Group Process 3 cr.

ART 489 Special Topics in Art 3 cr.

Art Department

172 Kleinpell Fine Arts

(715) 425-3266

www.uwrf.edu/ART/

Eoin Breadon - Glass

Morgan Clifford - Fibers, Art Seminar

Bernice Ficek-Swenson -

Printmaking, Drawing

David Heberlein - Photography,

Design Foundations

Lynn Jermal - Art Education,

Drawing

Randy Johnston - Chair, Ceramics,

Drawing

Jeannine Kitzhaber - Introduction to

Art, Design Foundations

Peter Mak - Painting, Drawing

Dan Paulus - Advertising Design,
Graphics

Kaylee Spencer - Art History, Art
Society

Adjunct Faculty

Stephanie deArmond - Drawing

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Lauren Herzak-Bauman -

Introduction to Art

Ann Lawton - Intro to Art

Asako Nakauchi - Sculpture/Metals

Rhonda Willers - Ceramics,

Introduction to Art

Program Associate

Susie Zimmer

Art History Minor: 24 Credits

Required Core Courses: 9 Credits

ART 211 West Art to 1500 3 cr.

ART 212 West Art Since 1500 3 cr.

ART 213 Art since 1945: Modern and Contemporary Art History 3 cr.

Directed Art History Electives: 9 Credits

Choose 6 Credits from Modern and Contemporary Art History Electives

ART 308 History of Design 3 cr.

PHIL/ART 310 Philosophy and History of Visual Art 3 cr.

ART 321 Gender and Art 3 cr.

Choose 3 Credits from Global Art History Electives

ART 291 Asian Art History (GP)* 3 cr.

ART 392 Pre-Columbian Art History (MD) 3 cr.

Directed Studio Art Electives: 6 Credits

Choose 3 Credits from 2-D Studio Electives

ART 131 Drawing I 3 cr.

ART 225 Advertising Design I 3 cr.

ART 235 Introduction to Black and White Photography 3 cr.

ART 236 Introduction to Printmaking 3 cr.

ART 238 Introduction to Painting 3 cr.

Choose 3 Credits from 3-D Studio Electives

ART 226 Introduction to Fibers 3 cr.

ART 227 Introduction to Clay 3 cr.

ART 228 Introduction to Metal 3 cr.

ART 229 Introduction to Glass 3 cr.

Required Supporting Course

ART 100 Introduction to Art (3 Credits count in General Education)

* indicates prerequisite: junior standing or higher

Art Department

172 Kleinpell Fine Arts
(715) 425-3266

www.uwrf.edu/ART/

Eoin Breadon - Glass

Morgan Clifford - Fibers, Art Seminar

Bernice Ficek-Swenson -

Printmaking, Drawing

David Heberlein - Photography,

Design Foundations

Lynn Jermal - Art Education,

Drawing

Randy Johnston - Chair, Ceramics,

Drawing

Jeannine Kitzhaber - Introduction to

Art, Design Foundations

Peter Mak - Painting, Drawing

Dan Paulus - Advertising Design,

Graphics

Kaylee Spencer - Art History, Art

Society

Adjunct Faculty

Stephanie deArmond - Drawing

Heather Delisle - Art Education

Lauren Herzak-Bauman -

Introduction to Art

Ann Lawton - Intro to Art

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Rhonda Willers - Ceramics,

Introduction to Art

Program Associate

Susie Zimmer

University of Wisconsin-River Falls
410 S. 3rd Street, River Falls WI 54022 USA
Campus Information (715) 425-3911

Catalog

Asian Studies Minor

Asian Studies Minor

Asian Studies Minor: 24 total credits

Required Core Courses: 15 cr. hrs.

Chinese or Japanese 102 4
Chinese or Japanese 201 4
Chinese or Japanese 202 4
History 201: Introduction to Asian Civilization 3 (GP)

Elective Courses – Select any three courses: 9 cr. hrs.

Art 291: Asian Art History 3 (GP)
English/Film 317: Modern East Asian Literature and Cinema 3 (GP)
Geography 344: Asia and Oceania 3 (GP)
History 336: Traditional East Asia Prehistory-1800 3
History 334: Modern China 3
History 335: Modern Japan 3
History 333: Silk, Spice, and Silver: The Making of the Global Exchange System to 1800 3 (GP, MD)
Management 355: International Business 3 (GP)
Marketing 355: International Marketing 3
Philosophy 245: Eastern Religions and Islam 3 (GP)
Political Science 348: Politics of East Asia 3
History 371: Study Tour Research – China/Japan Study Tour 3

General Education

Required Supporting Course: 4 cr. hrs.

Chinese or Japanese 101 4

Department of Modern
Language

**284 Kleinpell Fine Arts
(715) 425-3121**

www.uwrf.edu/MODL/

Kristine Butler-Chair, Cecilia
Bustamante, Terrence Mannerter,
Juan-Carlos Chaves, Rebecca Raham,
Christelle Curilli, Judy Wyatt-Schlei,
Julie Kovacic, Lisa Showers, Magara
Maeda, Wen Zhang

University of Wisconsin-River Falls
410 S. 3rd Street, River Falls WI 54022 USA
Campus Information (715) 425-3911

Biology Major

Biology Major - Liberal Arts and Education

Major requirements 34 Total Credits

General Biology Option

Core Requirements: 21 cr. hrs.

- BIOL 110 Freshman Colloquium 1 cr.
- BIOL 150 General Biology 3 cr.
- BIOL 210 General Botany 3 cr.
- BIOL 230 General Zoology 3 cr.
- BIOL 240 Cell and Molecular Biology 3 cr.
- BIOL 350 Genetics and Evolution (writing intensive) 3 cr.
- BIOL 360 Ecology (writing intensive) 3 cr.
- BIOL 410 Senior Colloquium 1 cr.
- BIOL 481 Seminar (Liberal Arts majors) 1 cr.
- or BIOL 471 Lab Experiences (Education majors)

Directed Electives: 13 cr. hrs.

Choose from any Biology courses except BIOL 100, 253, 308

Biomedical Sciences Option

Core Requirements: 23 cr. hrs.

- BIOL 110 Freshman Colloquium 1 cr.
- BIOL 150 General Biology 3 cr.
- BIOL 230 General Zoology 3 cr.
- BIOL 240 Cell and Molecular Biology 3 cr.
- BIOL 341 Anatomy and Physiology I 4 cr.
- BIOL 342 Anatomy and Physiology II 4 cr.
- BIOL 350 Genetics and Evolution (writing intensive) 3 cr.
- BIOL 410 Senior Colloquium 1 cr.
- BIOL 481 Seminar 1 cr.

Directed Electives: 11 cr. hrs.

Choose from the following courses.

At least 6 elective credits must be Biology courses.

- BIOL 235 Comparative Anatomy 4 cr.
- BIOL 243 Introduction to Biological Greek and Latin 1 cr.
- BIOL 295 Laboratory Research Experience 2 cr.
- BIOL 305 Applications in Molecular Biology 3 cr.
- BIOL 307 Human Heredity 2 cr.
- BIOL 324 Microbiology 4 cr.
- BIOL 345 Immunology 3 cr.
- BIOL 353 Histology 4 cr.
- BIOL 379 Internship 3-6 cr.
- BIOL 451 Molecular Biology 4 cr.
- BIOL 453 Virology 3 cr.
- BIOL 463 Animal Cell Culture 3 cr.
- BIOL 495 Undergraduate Research 3 cr.
- BIOL 499 Independent Study 1-3 cr.
- ANSC 231 Principles of Nutrition 3 cr.
- ANSC 447 Endocrinology 2 cr.

General Education Requirements

Courses in the major or required supporting courses may be double counted to satisfy the General Education science requirements. Therefore, the total General Education credit hour requirement is reduced by the courses that can be double-counted.

Department of Biology

414 Agricultural Science (715) 425-3591

www.uwrf.edu/BIOL/

Mark Bergland-Chair, Scott Ballantyne, John Ford, Joseph Gathman, Betsy Gerbec, Jo Heuschele, Karen Klyczek, Andrew Koob, Cheng-Chen Huang, Timothy Lyden, E. Katherine Miller, Brad Mogen, Kim Mogen, Anna Strain, John Wheeler

The biology department offers a 34-credit major and a 22 credit minor for liberal arts and education majors. A degree with a biology major also requires completion of a minor and additional supporting courses in chemistry, mathematics, and physics. Three options are offered for the biology major:

1. General Biology option, for students who want to be broadly educated in biology or who are seeking life science certification;
2. Biomedical Sciences option, appropriate for pre-professional majors and students planning to go into

ANSC 448 Reproductive Physiology 3 cr.

Field Biology Option

Core Requirements: 17 cr. hrs.

BIOL 110 Freshman Colloquium 1 cr.

BIOL 150 General Biology 3 cr.

BIOL 210 General Botany 3 cr.

BIOL 230 General Zoology 3 cr.

BIOL 296 Field Research Experience 2 cr.

BIOL 360 Ecology (writing intensive) 3 cr.

BIOL 410 Senior Colloquium 1 cr.

BIOL 481 Seminar 1 cr.

Directed Electives: 17 cr. hrs.

Choose from the following courses.

At least 11 elective credits must be Biology courses.

BIOL 240 Cell and Molecular Biology 3 cr.

BIOL 243 Introduction to Biological Greek and Latin 1 cr.

BIOL 305 Applications in Molecular Biology 3 cr.

BIOL 310 Identification of Plants 3 cr.

BIOL 314 Plant Pathology 3 cr.

BIOL 320 Plant Physiology 3 cr.

BIOL 324 Microbiology 4 cr.

BIOL 333 Entomology 3 cr.

BIOL 344 Wildlife Biology 4 cr.

BIOL 350 Genetics and Evolution (writing intensive) 3 cr.

BIOL 354 Freshwater Biology 3 cr.

BIOL 355 Environmental Law 3 cr.

or ESM 303 Environmental Policies and Administration

BIOL 379 Internship 3-6 cr.

BIOL 434 Ichthyology 3 cr.

BIOL 444 Ornithology 3 cr.

BIOL 495 Undergraduate Research 3 cr.

BIOL 499 Independent Study 1-3 cr.

ESM 220 Environmental Sustainability: Theories, Issues, and Management 3 cr.

ESM 333 Remote Sensing of Natural Resources 3 cr.

ESM 343 Woodlot Management 3 cr.

ESM 360 Applied Hydrology and Water Quality 4 cr.

ESM 413 Environmental Analysis 4 cr.

GEOG 250 Cartography I 3 cr.

GEOG 360 Introduction to GIS 3 cr.

GEOL 202 Oceanography 2 cr.

GEOL 269 Environmental Geology 2 cr.

GEOL 445 Hydrogeology 3 cr.

Required Supporting Courses: 21-22 cr. hrs.

Required for all options in the biology major.

Some professional schools and graduate programs may require additional credits in Chemistry, Math and/or Physics; consult your adviser.

CHEM 121 (or 120) and 122 General Chemistry I and II, or CHEM 130, Introduction to Organic Chemistry and CHEM 233, Foundations Organic Chemistry, 10 cr.

PHYS 151, 156

or PHYS 161, 162 General Physics I and Lab 4 cr.

MATH 147 College Algebra and Trigonometry 3 cr.

laboratory research;

3. Field Biology option, for students interested in ecological research or careers in field biology.

Liberal Arts majors choose one statistics course:

MATH 216 Elementary Statistical Concepts 3 cr.

MATH 226 Fundamentals of Statistics 3 cr.

MATH 326 Applied Statistics 3 cr.

or **ANSC 341** Biometrics 3 cr.

Education majors take:

GEOL 101, 102 Introductory Geology and Lab 4 cr.

University of Wisconsin-River Falls
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Campus Information (715) 425-3911

Catalog

Biology Minor

Biology Minor

Minor Requirements 22 Total Credits

Required Courses:

BIOL 150 General Biology 3 cr.

Liberal Arts majors take:

BIOL 210

or **BIOL 230** General Botany or General Zoology 3 cr.

Directed Electives: 16 cr. hrs.

Choose from any Biology courses except BIOL 100, 253, 308.

At least one course must be at the 300 level or above.

Education majors take:

BIOL 210 General Botany 3 cr.

BIOL 230 General Zoology 3 cr.

BIOL 240 Cell and Molecular Biology 3 cr.

BIOL 350 Genetics and Evolution (writing intensive) 3 cr.

BIOL 360 Ecology (writing intensive) 3 cr.

Directed Electives: 4 cr. hrs.

Choose from any Biology courses except BIOL 100, 253, 308.

Department of Biology

414 Agricultural Science
(715) 425-3591

www.uwrf.edu/BIOL/

Mark Bergland-Chair, Scott Ballantyne, John Ford, Joseph Gathman, Betsy Gerbec, Jo Heuschele, Karen Klyczek, Andrew Koob, Cheng-Chen Huang, Timothy Lyden, E. Katherine Miller, Brad Mogen, Kim Mogen, Anna Strain, John Wheeler

University of Wisconsin-River Falls
410 S. 3rd Street, River Falls WI 54022 USA
Campus Information (715) 425-3911

Biotechnology Major

Biotechnology Major: 55-56 Total Credits
Core Requirements: 40-41 cr. hrs.

Biotechnology Core 40-41 cr. hrs.

ANSC 222 Introduction to Biotechnology 2 cr.
BIOL 150 General Biology 3 cr.
BIOL 240 Cell and Molecular Biology 3 cr.
BIOL 324 Microbiology 4 cr.
BIOL 350 Genetics and Evolution (writing intensive) 3 cr.
or **ANSC 257** Genetics 3 cr.
BIOL 451 Molecular Biology 4 cr.
BIOT 280 Sophomore Seminar 0.5 cr.
BIOT 380 Junior Seminar 0.5 cr.
BIOT 480 Biotech Seminar 1 cr.
CHEM 231 Organic Chemistry I 3 cr.
CHEM 232 Organic Chemistry II 3 cr.
CHEM 236 Organic Chemistry Lab I 1 cr.
or **CHEM 246** Synthetic & Analytical Techniques in Organic Chemistry I 2 cr.
CHEM 237 Organic Chemistry Lab II 1 cr.
or **CHEM 247** Synthetic & Analytical Techniques in Organic Chemistry II 1 cr.
CHEM 355 Separation Science Laboratory 1 cr.
CHEM 361 Biochemistry I 3 cr.
CHEM 362 Biochemistry II 3 cr.
CHEM 366 Biochemistry Lab 1 cr.
FDSC 460 Fermentation Technology 3 cr.
or **HORT 369** Plant Tissue Culture 3 cr.
or **BIOL 463** Animal Cell Culture 3 cr.

Biotechnology Electives: 6 cr. hrs.

Choose at least six credits from the following additional courses to obtain additional training in methods and content particularly relevant to biotechnology. Fermentation Technology, Animal Cell Culture or Plant Tissue Culture may be chosen as electives after one of the courses is completed as a core course (no double counting as core and elective).

BIOL 345 Immunology 3 cr.
BIOL 453 Virology 3 cr.
BIOT/CSIS 373 Bioinformatics 3 cr.
BIOT 295 Biotechnology Lab Research 1 cr.
BIOT 379 Biotechnology Internship 1-4 cr.
BIOT 495 Biotechnology Thesis 1-3 cr.
FDSC 335 Food Microbiology 4 cr.
FDSC 460 Fermentation Technology 3 cr.

General Education Requirements

BA and BS Liberal Arts majors as listed.

BS Agriculture, Food and Environmental Sciences majors as listed.

Courses in the major or required supporting courses may be double counted to satisfy the General Education science requirements. Therefore, the total General Education credit hour requirement is reduced by the courses that can be double-counted.

Interdisciplinary Program

261 Centennial Science Hall
(715) 425-3577
www.uwrf.edu/BIOT

Lisa C. Kroutil-Director, William Anderson, Scott Ballantyne, Ross Jilk, Tim Lyden, and Gary Onan.

The Biotechnology major is an interdisciplinary program that is focused on the molecular basis of life processes and the techniques utilized to both study and control these processes under in vivo and in vitro conditions. The Biotechnology curriculum draws upon the expertise and course offerings of the participating departments: Biology, Chemistry, Animal and Food Science, and Plant and Earth Science. The Biotechnology major is designed to provide those students who are interested in pursuing careers at the interface of biology and chemistry with the academic background required to either secure entry level positions in the

HORT 369 Plant Tissue Culture 3 cr.

BIOL 463 Animal Cell Culture 3 cr.

Specialization Area: 9 cr. hrs.

In consultation with a biotechnology faculty advisor, the student will develop a plan that includes at least 9 additional credits of specialization. Up to four credits may include an internship in the specialization area. The total number of internship credits distributed between the Biotechnology Electives and Specialization Area may not exceed 4 credits. The plan will be submitted to the Biotechnology Program Director by the end of the first semester of the junior year for recording and approval. The senior seminar should focus on a research project the student worked on or a topic intimately related to the area of specialization.

Some possible specialization areas/emphases might include:

Production Animal Biotechnology
Production Crop Biotechnology
Business/Management
Computational Biotechnology/Bioinformatics
Criminal Justice/Forensic Biotechnology
Environmental Biotechnology
Food Science Biotechnology
Industrial Biotechnology
Materials Science Biotechnology
Medical Biotechnology
Pharmaceutical Biotechnology
Veterinary Medical Biotechnology

Required Supporting Courses 18-20 cr. hrs.

MATH 166 Calculus I 4 cr.

or **ANSC 341** Biometrics 3 cr.

or **MATH 226** Fundamentals of Statistics

CHEM 120 Introduction to General Chemistry 6 cr.

or **CHEM 121** General Chemistry I 5 cr.

and **CHEM 122** General Chemistry II 5 cr.

Either sequence A or B below:

A. PHYS 151 Algebra-Based Physics I 4 cr.

PHYS 152 Algebra-Based Physics II 4 cr.

PHYS 156 Algebra-Based Physics Laboratory I 1 cr.

PHYS 157 Algebra-Based Physics Laboratory II 1 cr.

B. PHYS 161 Calculus-Based Physics I 4 cr.

PHYS 162 Calculus-Based Physics II 4 cr.

PHYS 166 Calculus-Based Laboratory I 1 cr.

PHYS 167 Calculus-Based Laboratory II 1 cr.

biotechnology industry or to continue their education in graduate or professional schools. A student may elect to complete a B.S. degree in Biotechnology in either the College of Arts and Sciences, (715) 425-3777, or the College of Agriculture, Food and Environmental Sciences (715) 425-3841.

University of Wisconsin-River Falls
410 S. 3rd Street, River Falls WI 54022 USA
Campus Information (715) 425-3911

Broad Field Science - Education Broad Certification

Broad Field Science Major–Education: Broad Science Certification

A person with a broad field science license may teach any science class, middle-school level through grade 10, and any basic science class in grades 11-12 which is not a college-preparatory course, advanced placement (AP) course, or an elective course with more depth of content than a basic course. However, you may teach advanced courses in your areas of concentration.

Broad Science Certification 63 Total Credits

Required Courses: 45 cr. hrs.

BIOL 110 General Biology 3 cr.
BIOL 210 General Botany 3 cr.
BIOL 230 General Zoology 3 cr.
CHEM 121 General Chemistry I 5 cr.
CHEM 122 General Chemistry II 5 cr.
GEOL 101 Introductory Geology 3 cr.
GEOL 102 Introductory Geology Lab 1 cr.
GEOL 150 Historical Geology 4 cr.
GEOL 202 Oceanography 3 cr.
ISCI 497 Interdisciplinary Capstone in Science 2 cr.
ESM 300 Environmental Education 3 cr.
or **GEOG 300** Environmental Education

Choose either sequence A or B below:

A. PHYS 151 Algebra-Based Physics I 4 cr.
PHYS 152 Algebra-Based Physics II 4 cr.
PHYS 156 Algebra-Based Physics Laboratory I 1 cr.
PHYS 157 Algebra-Based Physics Laboratory II 1 cr.
B. PHYS 161 Calculus-Based Physics I 4 cr.
PHYS 166 Calculus-Based Physics Laboratory I 1 cr.
PHYS 162 Calculus-Based Physics II 4 cr.
PHYS 167 Calculus-Based Physics Laboratory II 1 cr.

Directed Electives: (complete concentrations in two areas) 13-15 cr. hrs.

Biology: 6 cr. hrs.

BIOL 240 Cell and Molecular Biology 3 cr.
BIOL 310 Identification of Plants 3 cr.

Chemistry: 7 cr. hrs.

CHEM 230 General Organic Chemistry
or **CHEM 231** Organic Chemistry I 3 cr.
CHEM 236 Organic Chemistry Lab I 1 cr.
CHEM 251 Analytical Chemistry 2 cr.
CHEM 256 Analytical Chemistry Lab 1 cr.

Geology: 8 cr. hrs.

General Education Requirements

Arts and Sciences as listed for CEPS. Up to two of these courses may be double counted in the General Education program, depending on your specific course of study.

GEOL 230 Mineralogy 4 cr.

GEOL 327 Geomorphology and Glacial Geology (writing intensive) 4 cr.

Physics: 7 cr. hrs.

PHYS 264 Modern Physics 4 cr.

PHYS 300 level or higher, excluding 361 and 362 3 cr.

Electives: 3-5 cr. hrs.

Select from BIOL, CHEM, GEOL, PHYS

University of Wisconsin-River Falls
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Broad Field Science - Education Physical Science Certification

Broad Field Science Major–Education: Physical Science Certification

This program leads to certification for chemistry, physics and physical science, for both basic and advanced courses at the secondary school level.

Broad Field Science Major–Education:

Physical Science Certification 63 Total Credits

CHEM 121 General Chemistry I 5 cr.
CHEM 122 General Chemistry II 5 cr.
CHEM 230 General Organic Chemistry 3 cr.
or **CHEM 231** Organic Chemistry I
CHEM 236 Organic Chemistry Lab I 1 cr.
CHEM 251 Analytical Chemistry 2 cr.
CHEM 256 Analytical Chemistry Lab 1 cr.
PHYS 161 Calculus-Based Physics I 4 cr.
PHYS 166 Calculus-Based Physics Laboratory I 1 cr.
PHYS 162 Calculus-Based Physics II 4 cr.
PHYS 167 Calculus-Based Physics Laboratory II 1 cr.
PHYS 264 Modern Physics 4 cr.
PHYS 311 Electronics: Circuits and Devices 4 cr.
PHYS 331 Curriculum Physics 4 cr.
MATH 166 Calculus I 4 cr.
MATH 167 Calculus II 4 cr.
ESM 300 Environmental Education 3 cr.
or **GEOG 300** Environmental Education

Directed Electives 15 cr. hrs.

Chemistry-Choose from: 7-8 cr. hrs.

CHEM 232 Organic Chemistry II 3 cr.
CHEM 237 Organic Chemistry Lab II 1 cr.
CHEM 311 Polymer Chemistry 3 cr.
CHEM 340 Physical Chemistry of Biological Systems 3 cr.
CHEM 341 Chemical Thermodynamics and Kinetics 3 cr.
CHEM 342 Molecular Structure and Spectroscopy 3 cr.
CHEM 355 Separation Science Laboratory 1 cr.
CHEM 356 Chemical Instrumentation Lab 1 cr.
CHEM 361 Biochemistry I 3 cr.
CHEM 411 Polymer Science 3 cr.
CHEM 416 Polymer Laboratory 1 cr.
CHEM 422 Advanced Inorganic Chemistry 3 cr.
CHEM 461 Pharmacology 3 cr.
Physics-Choose from: 3-4 cr. hrs.
PHYS 300 level or higher, excluding 361 and 362 3 cr.
Math-Choose from: 3 cr. hrs.
MATH 266 Calculus III 3 cr.

General Education Requirements

Arts and Sciences as listed for CEPS. Up to two of these courses may be double counted in the General Education program, depending on your specific course of study.

or **PHYS 361** Mathematics of Physics and Engineering

University of Wisconsin-River Falls
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Broad Field Science Liberal Arts Major

Broad Field Science Major - Liberal Arts: 60 Total Credits

Required Courses: 42 cr. hrs.

BIOL 110 General Biology 3 cr.
BIOL 210 General Botany 3 cr.
BIOL 230 General Zoology 3 cr.
CHEM 121 General Chemistry I 5 cr.
CHEM 122 General Chemistry II 5 cr.
GEOL 101 Introductory Geology 3 cr.
GEOL 102 Introductory Geology Lab 1 cr.
GEOL 150 Historical Geology 4 cr.
GEOL 202 Oceanography 3 cr.
ISCI 497 Interdisciplinary Capstone in Science 2 cr.

Choose either sequence A or B below:

A. PHYS 151 Algebra-Based Physics I 4 cr.
PHYS 152 Algebra-Based Physics II 4 cr.
PHYS 156 Algebra-Based Physics Laboratory I 1 cr.
PHYS 157 Algebra-Based Physics Laboratory II 1 cr.
B. PHYS 161 Calculus-Based Physics I 4 cr.
PHYS 166 Calculus-Based Physics Laboratory I 1 cr.
PHYS 162 Calculus-Based Physics II 4 cr.
PHYS 167 Calculus-Based Physics Laboratory II 1 cr.

Directed Electives: (complete concentrations in two areas) 13-15 cr. hrs.

Biology: 6 cr. hrs.

BIOL 240 Cell and Molecular Biology 3 cr.
BIOL 310 Identification of Plants 3 cr.

Chemistry: 7 cr. hrs.

CHEM 230 General Organic Chemistry
or **CHEM 231** Organic Chemistry I 3 cr.
CHEM 236 Organic Chemistry Lab I 1 cr.
CHEM 251 Analytical Chemistry 2 cr.
CHEM 256 Analytical Chemistry Lab 1 cr.

Geology: 8 cr. hrs.

GEOL 230 Mineralogy 4 cr.
GEOL 327 Geomorphology and Glacial Geology (writing intensive) 4 cr.

Physics: 7 cr. hrs.

PHYS 264 Modern Physics 4 cr.
PHYS 300 level or higher, excluding 361 and 362 3 cr.

Electives: 3-5 cr. hrs.

Select from BIOL, CHEM, GEOL, PHYS

General Education Requirements

Arts and Sciences as listed for CAS. Up to two of these courses may be double counted in the General Education program, depending on your specific course of study.

Interdisciplinary Program

123 Centennial Science Hall (715) 425-3196

Diane Bennett-Coordinator; Biology, Brad Mogen (3364); Chemistry, Jeffrey Rosenthal (3538); Physics, Eileen Korenic (3560); Plant and Earth Science, Michael Middleton (3139)

Broad Field Sciences Programs are monitored by representatives from the departments of biology, chemistry, physics, and plant and earth science. Students choosing one of these programs will typically be assigned an adviser from one of these departments. The Broad Field Science Programs are interdepartmental programs tailored to various interdisciplinary niches in the sciences. These programs are the equivalent of a major and a minor. A student selecting one of these programs is not required to have an additional minor. Two of these programs lead to certification in secondary or middle school education. Students interested in certification in those programs should consult the Secondary Education Handbook for Undergraduates at www.uwrf.edu/CEPS/ for the detailed requirements for various

levels of certification in Wisconsin

University of Wisconsin-River Falls
410 S. 3rd Street, River Falls WI 54022 USA
Campus Information (715) 425-3911

Broad Field Social Studies Major

Broad Field Social Studies Major—History Emphasis
138 Total Credit Hours

History Emphasis Requirements: 30 credit hours

- A. History core: HIST 102, HIST 215, HIST 216 and HIST 485
- B. U.S. history (300-level or above): two courses
- C. World history (300-level or above): two courses
- D. Environmental history: HIST 365
- E. Elective (300-level or above): one course

Social Studies Requirements: 27 credit hours

- A. Required core: BFSS 200 and BFSS 400
- B. Distribution non-history courses: SOCI 100, POLS 230 or 114, POLS 260 and ECON 202 or 203 (micro or macro)
- C. Electives: three courses

Education Requirements: 43 credit hours

- A. Education: TED 120, TED 212, TED 252 (American Cultural Diversity), TED 414, TED 420, SPED 330 and TED 473/474 (12 cr. Total Student Teaching)
- B. Block: TED 433, TED 463, TED 466 and BFSS 400

General Education Requirements: 38 credit hours

GOAL 1 Communication: ENGL 100, CSTA 101, ENGL 200

GOAL 2

- A. Social and behavioral sciences: HIST 101 and PSYC 101
- B. Humanities and fine arts:

- ART 100 or MUSI 100 or DANC 100 (3 cr. total)
- ENGL 105, ENGL 106 or ENGL 107 (3 cr. total)

GOAL 3 Math and science: MATH 126, BIOL 100 and GEOG 110

GOAL 4 Multi-disciplinary: see complete list [here](#)

GOAL 5 Individual responsibility to self, society, world:

- PE 100
- PE activities: two courses
- Ethical citizenship: see complete list [here](#)

Remember to periodically review your Degree Audit Report (DAR) in eSIS!

General Education Requirements

Social and Behavioral Science:
BS Education majors as listed.

Department of History and
Philosophy

304 Kleinpell Fine Arts
(715) 425-3164
Kurt E. Leichtle—
Coordinator

The Broad Field Social Studies (BFSS) degree is the preferred degree for secondary teaching in the area of social studies. This degree offers many options and great versatility. The program requires that the student have a concentration (a major) in one of the social sciences and then additional work in the other social sciences.

Catalog

Business Administration Major

Business Administration Major

Business Administration Major: 45 Total Credits

(with a minor or double major)

Lower Division 21 cr. hrs.

Required of all majors before enrolling in any upper level division courses.

ECON 201 Principles of Microeconomics 3 cr.

ECON 202 Principles of Macroeconomics 3 cr.

ACCT 231 Principles of Accounting I 3 cr.

ACCT 232 Principles of Accounting II 3 cr.

CSIS 215 Information Systems for Business Management 3 cr.

ECON 226 Introduction to Statistics 3 cr.

or **MATH 226** Fundamentals of Statistics

BLAW 265 Business Law I 3 cr.

Upper Division 18 cr. hrs.

MNGT 300 Management and Organizational Behavior 3 cr.

MKTG 310 Principles of Marketing 3 cr.

FINC 345 Managerial Finance 3 cr.

ECON 326 Statistical Methods for Economics and Business 3 cr.

MNGT 361 Operations Management 3 cr.

MNGT 485 Strategic Management 3 cr.

Business Electives 6 cr. hrs.

Choose 6 credits of courses 300 level or higher from MKTG, MNGT or FINC.

Required Supporting Courses: 7-8 cr.

A. CBE 100 Orientation to CBE 0.5 cr.

CBE 300 Professional Development 0.5 cr.

B. COMS 116 Business and Professional Communication 3 cr.

(waived if taken as GenEd)

or **ENGL 266** Business Writing 3 cr.

C. ECON 205 Quantitative Analysis 3 cr.

or **MATH 156** Calculus for Business and Social Sciences 3 cr.

or **MATH 166** Calculus I 4 cr.

Undergraduate Business Administration students may not transfer more than six credits of 300/400 level courses from non-AACSB accredited programs and institutions into the major.

Business Administration - Finance

Business Administration - Management

Business Administration - Marketing

College of Business and Economics

124 South Hall

(715) 425-3335

www.uwrf.edu/CBE/

The vision of the College of Business and Economics is to be a community of choice and the regional leader in the acquisition, study, application and sharing of business, economics and information technology knowledge. Consistent with this vision, the college is accredited by the Association to Advance Collegiate Schools of Business (AACSB) International.

General Education Requirements

The **General Education** mathematics requirement for business majors can be met by taking **ECON 205** Quantitative Analysis, **MATH 156** Calculus for Business and Social Sciences, or **MATH 166** Calculus I.

Admission Requirements

1. For all majors in the College of Business and Economics (CBE): Completion of at least 27 required general education credits with a minimum GPA of 2.25.

2. Additionally, the following must be completed, or in progress for completion, during the semester preceding admission.

GPA of 2.50 in **ACCT 231, 232; CBE 100; ECON 201, 202; CSIS 215; ECON 205** or **MATH 156** or **MATH 166; ECON 226** or **MATH 226; COMS 116** or **ENGL 266**.

University of Wisconsin-River Falls
410 S. 3rd Street, River Falls WI 54022 USA
Campus Information (715) 425-3911

Business Administration Minor

Business Administration Minor: 24 Total Credits

Prerequisites: **ECON 201, 202, and 226** (or **MATH 226**)

Required Courses 21 cr. hrs.

ACCT 231 Principles of Accounting I 3 cr.

ACCT 232 Principles of Accounting II 3 cr

CSIS 215 Information Systems for Business Management 3 cr.

BLAW 265 Business Law I 3 cr.

FINC 345 Managerial Finance 3 cr.

MNGT 300 Management and Organizational Behavior 3 cr.

MKTG 310 Principles of Marketing 3 cr.

Business Electives: 3 cr. hrs.

Courses 300 level or higher from MKTG, MNGT or FINC

Prior to taking the 300 level courses required in the Business Administration minor (**FINC 345, MKTG 310, and MNGT 300**), the following courses must first be completed: **ACCT 231, ACCT 232, CSIS 215, ECON 201, ECON 202, and either MATH 226 or ECON 226**. It is recommended that business minors complete at least Math 146 (College Algebra).

College of Business and Economics

124 South Hall

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www.uwrf.edu/CBE/

University of Wisconsin-River Falls
410 S. 3rd Street, River Falls WI 54022 USA
Campus Information (715) 425-3911

Broad Area Business Administration Major

Broad Area Business Administration Major

(no minor required; must choose one of the options listed below)

- **Finance**
- **Management**
- **Marketing**

Undergraduate Business Administration students may not transfer more than six credits of 300/400 level courses from non-AACSB accredited programs and institutions into the major.

General Education Requirements

The **General Education** mathematics requirement for business majors can be met by taking **ECON 205** Quantitative Analysis, **MATH 156** Calculus for Business and Social Sciences, or **MATH 166** Calculus I.

Admission Requirements

1. For all majors in the College of Business and Economics (CBE): Completion of at least 27 required general education credits with a minimum GPA of 2.25.

2. Additionally, the following must be completed, or in progress for completion, during the semester preceding admission.

GPA of 2.50 in **ACCT 231, 232; CBE 100; ECON 201, 202; CSIS 215; ECON 205 or MATH 156 or MATH 166; ECON 226 or MATH 226; CSTA 116 or ENGL 266.**

Dean's Office College of Business and Economics

**124 South Hall
(715) 425-3335**

University of Wisconsin-River Falls
410 S. 3rd Street, River Falls WI 54022 USA
Campus Information (715) 425-3911

Business Administration Major-Finance

Lower Division 21 cr. hrs.

- ECON 201** Principles of Microeconomics 3 cr.
- ECON 202** Principles of Macroeconomics 3 cr.
- ACCT 231** Principles of Accounting I 3 cr.
- ACCT 232** Principles of Accounting II 3 cr.
- CSIS 215** Information Systems for Business Management 3 cr.
- ECON 226** Introduction to Statistics 3 cr.
or **MATH 226** Fundamentals of Statistics
- BLAW 265** Business Law I 3 cr.

Upper Division 18 cr. hrs.

- MNGT 300** Management and Organizational Behavior 3 cr.
- MKTG 310** Principles of Marketing 3 cr.
- FINC 345** Managerial Finance 3 cr.
- ECON 326** Statistical Methods for Economics and Business 3 cr.
- MNGT 361** Operations Management 3 cr.
- MNGT 485** Strategic Management 3 cr.

Required Finance Courses 12 cr. hrs.

- FINC 347** Financial Institutions 3 cr.
- FINC 348** Investments 3 cr.
- FINC 446** Intermediate Managerial Finance 3 cr.
- FINC 450** Case Studies in Finance 3 cr.

Finance Electives: 9 cr. hrs.

Choose from:

- FINC 314** Principles of Insurance 3 cr.
- FINC 350** Real Estate 3 cr.
- FINC 355** Multinational Financial Management 3 cr.
- FINC 360** Financial Derivatives 3 cr.
- FINC 379** Internship-Finance 3 cr.
- FINC 389** Special Topics in Finance 3 cr.
- FINC 448** Portfolio Management 3 cr.

Support Electives: 9 cr. hrs.

Choose 9 credits from any of following courses:

- Accounting: ACCT 321, 322, 360, 356,357,461
- Agricultural Economics: AGECE 355,455
- Communication Studies and Theatre Arts: COMS 213, 318
- Economics: ECON 305, 340
- English: ENGL 266, 367
- Mathematics (Actuary): MATH 166, 167, 356, 371
- Management: MNGT 320, 330, 355, 430
- Marketing: MKTG 312, 325, 365
- Philosophy: PHIL 304
- Psychology: PSYC 265, 320

Department of Accounting and Finance

124 South Hall
(715) 425-3335
www.uwrf.edu/CBE/

Reza Rahgozar-Chair, Charles Corcoran, Dawn Hukai, June Li, Carl Popelka, Megan Sun, Mary Tichich, Ellen Schultz-Academic Advisor.

The vision of the College of Business and Economics is to be a community of choice and the regional leader in the acquisition, study, application and sharing of business, economics and information technology knowledge. Consistent with this vision, the college is accredited by the Association to Advance Collegiate Schools of Business (AACSB) International.

The finance curriculum is designed to prepare students for successful careers in corporate finance, financial institutions and services, and for graduate study. For example, finance graduates secure jobs in banking, insurance, real estate, the investment industry, financial planning, and risk management.

Admission Requirements

- For all majors in the College of Business and Economics (CBE): Completion of at least 27 required general education credits with a minimum GPA of 2.25.
- Additionally, the following must be completed, or in progress for completion, during the semester

Required Supporting Courses: 7 - 8 cr. hrs.

- A. **CBE 100** Orientation to CBE 0.5 cr.
CBE 300 Professional Development 0.5 cr.
- B. **COMS 116** Business and Professional Communication 3 cr.
(waived if taken as Gen Ed)
or **ENGL 266** Business Writing 3 cr.
- C. **ECON 205** Quantitative Analysis 3 cr.
or **MATH 156** Calculus for Business and Social Sciences 3 cr.
or **MATH 166** Calculus I 4 cr.

General Education Requirements: 38 cr. hrs.

General Electives to reach 120 credits (minimum to graduate)

Undergraduate Business Administration students may not transfer more than six credits of 300/400 level courses from non-AACSB accredited programs and institutions into the major.

preceding admission:
GPA of 2.50 in **ACCT 231, ACCT 232; CBE 100; ECON 201, ECON 202; CSIS 215; ECON 205** or **MATH 156** or **MATH 166; ECON 226** or **MATH 226; COMS 116** or **ENGL 266**.

University of Wisconsin-River Falls
410 S. 3rd Street, River Falls WI 54022 USA
Campus Information (715) 425-3911

Business Administration Major-Management

Lower Division 21 cr. hrs.

ECON 201 Principles of Microeconomics 3 cr.
ECON 202 Principles of Macroeconomics 3 cr.
ACCT 231 Principles of Accounting I 3 cr.
ACCT 232 Principles of Accounting II 3 cr.
CSIS 215 Information Systems for Business Management 3 cr.
ECON 226 Introduction to Statistics 3 cr.
or **MATH 226** Fundamentals of Statistics
BLAW 265 Business Law I 3 cr.

Upper Division 18 cr. hrs.

MNGT 300 Management and Organizational Behavior 3 cr.
MKTG 310 Principles of Marketing 3 cr.
FINC 345 Managerial Finance 3 cr.
ECON 326 Statistical Methods for Economics and Business 3 cr.
MNGT 361 Operations Management 3 cr.
MNGT 485 Strategic Management 3 cr.

Required Management Courses: 9 cr. hrs.

MNGT 320 Human Resource Management 3 cr.
MNGT 340 Ethical Leadership 3 cr.
MNGT 355 International Business 3 cr.

Management Electives: 9 cr. hrs.

Choose from:

MNGT 318 Operations Research 3 cr.
MNGT 330 Managing Workplace Diversity 3 cr.
MNGT 341 Logistics 3 cr.
MNGT 350 Decision Making 3 cr.
MNGT 365 Business Process Management 3 cr.
MNGT 378 Study Abroad 3-6 cr.
MNGT 379 Internship 3 cr.
MNGT 380 International Business Seminar 3 cr.
MNGT 389 Special Topics .5-3 cr.
MNGT 430 Small Business Management 3 cr.
MNGT 480 Human Resource Management Seminar 3 cr.
MNGT 499 Independent Study 1-3 cr.
MKTG 315 Retail Management 3 cr.

Support Electives: 6 cr. hrs.

Choose supporting courses appropriate to area of interest with approval of adviser.

Required Supporting Courses: 7 - 8 cr. hrs.

A. CBE 100 Orientation to CBE 0.5 cr.
CBE 300 Professional Development 0.5 cr.

Department of Management and Marketing

124 South Hall
(715) 425-3335

www.uwrf.edu/CBE/

Darryl Miller-Chair, Joy Benson, Brian Huffman, Claire Kilian, Ozcan Kilic, Marina Onken, Stacy Vollmers, Wei Zheng, Ellen Schultz-Academic Advisor.

The vision of the College of Business and Economics is to be a community of choice and the regional leader in the acquisition, study, application and sharing of business, economics and information technology knowledge. Consistent with this vision, the college is accredited by the Association to Advance Collegiate Schools of Business (AACSB) International.

Admission Requirements

1. For all majors in the College of Business and Economics (CBE): Completion of at least 27 required general education credits with a minimum GPA of 2.25.

2. Additionally, the following must be completed, or in progress for completion, during the semester preceding admission.
GPA of 2.50 in ACCT 231, 232; CBE 100; ECON 201, 202; CSIS 215; ECON 205 or MATH 156 or MATH 166; ECON 226 or MATH 226; COMS 116 or ENGL 266.

- B. COMS 116** Business and Professional Communication 3 cr.
(waived if taken as GenEd)
or **ENGL 266** Business Writing 3 cr.
- C. ECON 205** Quantitative Analysis 3 cr.
or **MATH 156** Calculus for Business and Social Sciences 3 cr.
or **MATH 166** Calculus I 4 cr.

General Education Requirements: 38 cr. hrs.

General Electives to reach 120 credits (minimum to graduate)

Undergraduate Business Administration students may not transfer more than six credits of 300/400 level courses from non-AACSB accredited programs and institutions into the major.

University of Wisconsin-River Falls
410 S. 3rd Street, River Falls WI 54022 USA
Campus Information (715) 425-3911

Business Administration Major-Marketing

Lower Division 21 cr. hrs.

- ECON 201 Principles of Microeconomics 3 cr.
- ECON 202 Principles of Macroeconomics 3 cr.
- ACCT 231 Principles of Accounting I 3 cr.
- ACCT 232 Principles of Accounting II 3 cr.
- CSIS 215 Information Systems for Business Management 3 cr.
- ECON 226 Introduction to Statistics 3 cr.
or MATH 226 Fundamentals of Statistics
- BLAW 265 Business Law I 3 cr.

Upper Division 18 cr. hrs.

- MNGT 300 Management and Organizational Behavior 3 cr.
- MKTG 310 Principles of Marketing 3 cr.
- FINC 345 Managerial Finance 3 cr.
- ECON 326 Statistical Methods for Economics and Business 3 cr.
- MNGT 361 Operations Management 3 cr.
- MNGT 485 Strategic Management 3 cr.

Required Marketing Courses 12 cr. hrs.

- MKTG 312 Consumer Behavior 3 cr.
- MKTG 355 International Marketing 3 cr.
- MKTG 365 Marketing Research 3 cr.
- MKTG 445 Marketing Strategy 3 cr.

Marketing Electives 9 cr. hrs.

Choose from:

- MKTG 315 Retail Management 3 cr.
- MKTG 325 Sales Effectiveness 3 cr.
- MKTG 330 Promotional Strategy 3 cr.
- MKTG 334 Internet and Direct Marketing 3 cr.
- MKTG 342 Services Marketing 3 cr.
- MKTG 352 Business to Business Marketing 3 cr.
- MKTG 379 Internship-Marketing 3 cr.
- MKTG 389 Special Topics in Marketing 3 cr.
- MKTG 499 Independent Study 1-3 cr.
- MNGT 450 e-Commerce 3 cr.

Support Electives: 6 cr. hrs.

Choose from:

- CBE 370 International Study Tour
- COMS 213 Intercultural Communications 3 cr.
- COMS 306 Nonverbal Communication 3 cr.
- COMS 315 Communication and Social Change 3 cr.
- CSIS 333 Database Management Systems 3 cr.
- ECON 301 Intermediate Micro 3 cr.
- ECON 302 Intermediate Macro 3 cr.

Department of Management and Marketing

124 South Hall
(715) 425-3335

www.uwrf.edu/CBE/

Darryl Miller-Chair, Joy Benson, Brian Huffman, Claire Kilian, Ozcan Kilic, Marina Onken, Stacy Vollmers, Wei Zheng, Ellen Schultz-Academic Advisor.

The vision of the College of Business and Economics is to be a community of choice and the regional leader in the acquisition, study, application and sharing of business, economics and information technology knowledge. Consistent with this vision, the college is accredited by the Association to Advance Collegiate Schools of Business (AACSB) International.

Admission Requirements

1. For all majors in the College of Business and Economics (CBE): Completion of at least 27 required general education credits with a minimum GPA of 2.25.
2. Additionally, the following must be completed, or in progress for completion, during the semester preceding admission:
GPA of 2.50 in ACCT 231, 232; CBE 100; ECON 201, 202; CSIS 215; ECON 205 or MATH 156 or MATH 166; ECON 226 or MATH 226; COMS 116 or ENGL 266.

ECON 305 Money & Banking 3 cr.
ECON 324 Labor Economics 3 cr.
ECON 340 Contemporary International Trade 3 cr.
ECON 342 International Finance 3 cr.
ECON 426 Forecasting and Econometrics 3 cr.
ESM 377 Business Ecology 3 cr.
FINC 314 Principles of Insurance 3 cr.
FINC 350 Real Estate 3 cr.
FINC 355 Multinational Financial Management 3 cr.
GEOG 250 Introduction to Cartography and GIS 3 cr.
MARC 370 Public Relations 3 cr.
MNGT 318 Operations Research 3 cr.
MNGT 330 Managing Workplace Diversity 3 cr.
MNGT 340 Ethical Leadership 3 cr.
MNGT 355 International Business 3 cr.
MNGT 362 Logistical Management 3 cr.
MNGT 430 Small Business Management 3 cr.
PHIL 304 Business Ethics 3 cr.
POLS 256 Public Policymaking 3 cr.
POLS 260 Introduction to International Relations 3 cr.
PSYC 265 Social Psychology 3 cr.
PSYC 320 Psychology of Personality 3 cr.

Required Supporting Courses: 7 - 8 cr hrs.

A. CBE 100 Orientation to CBE 0.5 cr.
CBE 300 Professional Development 0.5 cr.
B. COMS 116 Business and Professional Communication 3 cr.
(waived if taken as GenEd)
or **ENGL 266** Business Writing 3 cr.
C. ECON 205 Quantitative Analysis 3 cr.
or **MATH 156** Calculus for Business and Social Sciences 3 cr.
or **MATH 166** Calculus I 4 cr.

General Education Requirements: 38 cr. hrs.

General Electives to reach 120 credits (minimum to graduate)

Undergraduate Business Administration students may not transfer more than six credits of 300/400 level courses from non-AACSB accredited programs and institutions into the major.

University of Wisconsin-River Falls
410 S. 3rd Street, River Falls WI 54022 USA
Campus Information (715) 425-3911

Chemistry Major

Core Requirements

Core A Requirements for All Chemistry Major Programs: 22-23 cr. hrs.

CHEM 121 General Chemistry I 5 cr. or **CHEM 120** Introduction to General Chemistry 6 cr.
CHEM 122 General Chemistry II 5 cr.
CHEM 231 Organic Chemistry I 3 cr.
CHEM 232 Organic Chemistry II 3 cr.
CHEM 250 Foundations of Analytical Chemistry 4 cr.
CHEM 355 Separation Science Laboratory 1 cr.
CHEM 480 Chemical Communications and Research (writing intensive) 1 cr.

Core B Requirements for All Chemistry Major Programs: 24 cr. hrs.

CHEM 130 Introduction to Organic Chemistry 5 cr.
CHEM 233 Foundations of Organic Chemistry 5 cr.
CHEM 240 Foundations of Inorganic Chemistry 4 cr.
CHEM 250 Foundations of Analytical Chemistry 4 cr.
CHEM 333 Organic Synthesis 4 cr.
CHEM 355 Separation Science Laboratory 1 cr.
CHEM 480 Chemical Communications and Research (writing intensive) 1 cr.

Required Supporting Courses: 14-21 cr. hrs.

MATH 166 Calculus I 4 cr.
MATH 167 Calculus II 4 cr.
MATH 266 Calculus III 3 cr.

Choose one of the following two physics series I or II: 10 cr. hrs. (Option B is required for ACS-approved options)

Series I. **PHYS 151** General Physics I
PHYS 152 General Physics II
PHYS 156 General Physics Laboratory I
PHYS 157 General Physics Laboratory II
Series II. **PHYS 161** General Physics I
PHYS 162 General Physics II
PHYS 166 General Physics Laboratory I
PHYS 167 General Physics Laboratory II

Chemistry	Biochem.	Preprof.	Education	Dual Degree
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Chemistry-ACS: 68-70 Cr. hours

Track A Requirements: 55-57 cr. hrs.

CHEM 121 General Chemistry I 5 cr. or **CHEM 120** Introduction to General Chemistry 6 cr.
CHEM 122 General Chemistry II 5 cr.

General Education Requirements

Courses in the major or required supporting courses may be double counted to satisfy the General Education science requirements. Therefore, the total General Education credit hour requirement is reduced by the courses that can be double-counted.

Department of Chemistry

253 Centennial Science Hall
(715) 425-3523
www.uwrf.edu/CHEM/

Jeff Rosenthal-Chair, Marilyn Duerst, Ross Jilk, Mike Kahlow, Lisa Kroutil, Daniel Marchand, Kevin McLaughlin, Barb Nielsen, Magdalena Pala, Karl Peterson, David Rainville, David Rusterholz, Jamie Schneider, Stacey Stoffregen

The Chemistry Department offers several options for chemistry majors, all of which are based on a core curriculum with additional requirements based on each option.

1. The Bachelor of Science regular option chemistry major is designed for students who desire a general education in chemistry as a background for careers in many fields such as polymer science, environmental analysis, industrial chemistry, materials science, various fields related to medical science, etc. This consists of 35 credit hours distributed among the major fields of chemistry.

2. The ACS-Approved regular option

CHEM 231 Organic Chemistry I 3 cr.
CHEM 232 Organic Chemistry II 3 cr.
CHEM 236 Organic Chemistry Lab I 1 cr.
CHEM 237 Organic Chemistry Lab II 1 cr.
CHEM 250 Foundations of Analytical Chemistry 4 cr.
CHEM 261 Laboratory Safety (2 cr.)
CHEM 322 Inorganic Chemistry (4 cr.)
CHEM 341¹ Chemical Thermodynamics and Kinetics (3 cr.) or
CHEM 342¹ Molecular Structure and Spectroscopy 3 cr.
CHEM 361 Biochemistry I (3cr.)
CHEM 480 Chemical Communications and Research (writing intensive) 1 cr.

BIOL 150 Introduction to Biology (3 cr.)

MATH 167 Calculus II 4 cr.

MATH elective² (3-4 cr.)

PHYS 151 Algebra-Based I Physics I 4 cr.

PHYS 152 Algebra-Based I Physics II 4 cr.

PHYS 156 Algebra-Based I Physics Lab I 1 cr.

PHYS 157 Algebra-Based Physics Lab II 1 cr.

Or

PHYS 161 Calculus-Based Physics I 4 cr.

PHYS 162 Calculus-Based Physics II 4 cr.

PHYS 166 Calculus-Based Physics Laboratory I 1 cr.

PHYS 167 Calculus-Based Physics Laboratory II 1 cr.

Track A In-depth elective courses:

Minimum of 9 credits including at least 6 lab credits, one of which must be CHEM 366 or CHEM 402.

CHEM 311 Polymer Chemistry (3 cr.)

CHEM 333 Organic Synthesis 4 cr. (includes 2 lab cr.)

CHEM 341¹ Chemical Thermodynamics and Kinetics (3 cr.) or

CHEM 342¹ Molecular Structure and Spectroscopy (3 cr.)

CHEM 355 Separation Science Laboratory (1 lab cr.)

CHEM 356 Chemical Instrumentation Lab (writing intensive) (1 lab cr.)

CHEM 362 Biochemistry II (3 cr.)

CHEM 366 Biochemistry Laboratory (writing intensive) (1 lab cr.)

CHEM 378³ Semester Abroad (1-4 cr.; includes 1-4 cr. Lab)

CHEM 379³ Internship (1-4 cr.; includes 1-4 cr. lab)

CHEM 401 Advanced Chemistry Lab I (writing intensive) (1 lab cr.)

CHEM 402 Advanced Chemistry Lab II (writing intensive) (1 lab cr.)

CHEM 411 Polymer Science (3 cr.)

CHEM 416 Polymer Laboratory (1 lab cr.)

CHEM 422 Advanced Inorganic Chemistry (3 cr.)

CHEM 461 Pharmacology (3 cr.)

CHEM 489³ Special Topics in Chemistry (1-4 cr.)

CHEM 495⁴ Undergraduate Research (1-3 cr.; includes 1-3 lab cr.)

BIOL 451^{5,7} Molecular Biology (4 cr.; includes 1 lab cr.)

PHYS 465⁶ Quantum Mechanics (4 cr.)

Required Supporting Course: 4 credits

MATH 166 Calculus I 4 cr.

Track B Requirements: 55-56 cr.

chemistry major is offered for those students who wish to pursue a more intensive program in chemistry approved by the American Chemical Society. This program includes the courses in the Bachelor of Science chemistry major and additional advanced courses. It is particularly recommended for students who intend to go to graduate school or work in the chemical industry. A course in computer use or programming and one year of foreign language are strongly recommended.

3. The biochemistry options are for those students who wish to pursue a career in biotechnology, the medical sciences or who desire a strong background in the chemistry of biological systems. The biochemistry program may be based on the Bachelor of Science major or the ACS Approved major. The ACS-Approved major is recommended for the student who plans to attend graduate school.

4. The education option chemistry major is designed for prospective secondary school teachers. The curriculum is planned so as to give the student (1) a broad general education, (2) specialized preparation in chemistry with a minor in a supporting field and (3) professional training necessary for effective teaching. In order to be admitted to the College of Education, the student needs to be evaluated and recommended by the Chemistry Education Advisory Committee. Contact the Chemistry Department chair for further information.

5. The polymer option is designed for those students who wish to pursue a career in the chemical industry working with new materials for applications in aerospace, electronics, medicine, building, and transportation industries. Students completing this option will be prepared to directly enter the chemical industry or go on to

CHEM 130 Introduction to Organic Chemistry 5 cr.
CHEM 233 Foundations of Organic Chemistry 5 cr.
CHEM 240 Foundations of Inorganic Chemistry 4 cr.
CHEM 250 Foundations of Analytical Chemistry 4 cr.
CHEM 261 Laboratory Safety (2 cr.)
CHEM 322 Inorganic Chemistry (4 cr.)
CHEM 333 Organic Synthesis 4 cr.
CHEM 341¹ Chemical Thermodynamics and Kinetics (3 cr.) or
CHEM 342¹ Molecular Structure and Spectroscopy (3 cr.)
CHEM 361 Biochemistry I (3cr.)
CHEM 480 Chemical Communications and Research (writing intensive) 1 cr.

BIOL 150 Introduction to Biology (3 cr.)

MATH 167 Calculus II 4 cr.

MATH elective² (3-4 cr.)

PHYS 151 Algebra-Based I Physics I 4 cr.

PHYS 152 Algebra-Based I Physics II 4 cr.

PHYS 156 Algebra-Based I Physics Lab I 1 cr.

PHYS 157 Algebra-Based Physics Lab II 1 cr.

Or

PHYS 161 Calculus-Based Physics I 4 cr.

PHYS 162 Calculus-Based Physics II 4 cr.

PHYS 166 Calculus-Based Physics Laboratory I 1 cr.

PHYS 167 Calculus-Based Physics Laboratory II 1 cr.

Track B In-depth elective courses:

Minimum of 9 credits including at least 3 lab credits, one of which must be CHEM 366 or CHEM 402.

CHEM 311 Polymer Chemistry (3 cr.)

CHEM 341¹ Chemical Thermodynamics and Kinetics (3 cr.) or

CHEM 342¹ Molecular Structure and Spectroscopy (3 cr.)

CHEM 355 Separation Science Laboratory (1 lab cr.)

CHEM 356 Chemical Instrumentation Lab (writing intensive) (1 lab cr.)

CHEM 362 Biochemistry II (3 cr.)

CHEM 366 Biochemistry Laboratory (writing intensive) (1 lab cr.)

CHEM 378³ Semester Abroad (1-4 cr.; includes 1-4 cr. Lab)

CHEM 379³ Internship (1-4 cr.; includes 1-4 cr. lab)

CHEM 401 Advanced Chemistry Lab I (writing intensive) (1 lab cr.)

CHEM 402 Advanced Chemistry Lab II (writing intensive) (1 lab cr.)

CHEM 411 Polymer Science (3 cr.)

CHEM 416 Polymer Laboratory (1 lab cr.)

CHEM 422 Advanced Inorganic Chemistry (3 cr.)

CHEM 461 Pharmacology (3 cr.)

CHEM 489³ Special Topics in Chemistry (1-4 cr.)

CHEM 495⁴ Undergraduate Research (1-3 cr.; includes 1-3 lab cr.)

BIOL 451^{5,7} Molecular Biology (4 cr.; includes 1 lab cr.)

PHYS 465⁶ Quantum Mechanics (4 cr.)

Required Supporting Course: 4 credits

MATH 166 Calculus I (4 cr.)

1. Both CHEM 341 and CHEM 342 are strongly recommended for

graduate school in areas of study such as polymers or material science. The polymer option is based on the ACS-Approved major.

Note: Substitution of other courses for degree requirements is possible upon application and approval by the department. This is on a case-by-case basis and particularly may affect students who change to a chemistry major or who transfer to UWRF. Students should confer with their adviser and/or the department chair.

The Department of Chemistry at UWRF is approved by the American Chemical Society. Students who are interested in pursuing advanced training in chemistry may obtain an ACS-Approved degree by taking several additional chemistry courses. Within the required supporting courses, the calculus-based physics courses 161, 162, 166, 167 are required for the ACS-Approved Option.

students considering graduate education in chemistry. Both courses require MATH 167, and PHYS 152 or PHYS 162.

2. Math electives could include: MATH 236: Discrete Mathematics, MATH 256: Linear Algebra, MATH 326: Applied Statistics, MATH 346: Numerical Analysis, or PHYS 361: Mathematics of Physics & Engineering.
3. CHEM 378, CHEM 379 and CHEM 489 could be worth 1-4 credits each for a combined maximum of 4 credits counting toward the in-depth electives. Actual credits will be determined based on department approval at the time of enrollment.
4. A maximum of 3 credits of CHEM 495 can count toward the in-depth electives.
5. BIOL 451 requires BIOL 240, BIOL 324 and BIOL 350.
6. PHYS 465 requires PHYS 264, 261 (or CHEM 342), MATH 256 and MATH 331.
7. A maximum of 4 credits of non-chemistry courses may count toward the in-depth electives.

University of Wisconsin-River Falls
410 S. 3rd Street, River Falls WI 54022 USA
Campus Information (715) 425-3911

Chemistry Major

Core Requirements

Core A Requirements for All Chemistry Major Programs: 22-23 cr. hrs.

- CHEM 121** General Chemistry I 5 cr. or **CHEM 120** Introduction to General Chemistry 6 cr.
CHEM 122 General Chemistry II 5 cr.
CHEM 231 Organic Chemistry I 3 cr.
CHEM 232 Organic Chemistry II 3 cr.
CHEM 250 Foundations of Analytical Chemistry 4 cr.
CHEM 355 Separation Science Laboratory 1 cr.
CHEM 480 Chemical Communications and Research (writing intensive) 1 cr.

Core B Requirements for All Chemistry Major Programs: 24 cr. hrs.

- CHEM 130** Introduction to Organic Chemistry 5 cr.
CHEM 233 Foundations of Organic Chemistry 5 cr.
CHEM 240 Foundations of Inorganic Chemistry 4 cr.
CHEM 250 Foundations of Analytical Chemistry 4 cr.
CHEM 333 Organic Synthesis 4 cr.
CHEM 355 Separation Science Laboratory 1 cr.
CHEM 480 Chemical Communications and Research (writing intensive) 1 cr.

Required Supporting Courses: 14-21 cr. hrs.

- MATH 166** Calculus I 4 cr.
MATH 167 Calculus II 4 cr.
MATH 266 Calculus III 3 cr.

Choose one of the following two physics series I or II: 10 cr. hrs. (Option B is required for ACS-approved options)

- Series I.** **PHYS 151** General Physics I
PHYS 152 General Physics II
PHYS 156 General Physics Laboratory I
PHYS 157 General Physics Laboratory II
Series II. **PHYS 161** General Physics I
PHYS 162 General Physics II
PHYS 166 General Physics Laboratory I
PHYS 167 General Physics Laboratory II

Chemistry	Biochem.	Preprof.	Education	Dual Degree
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Biochemistry-ACS: 77-79 Cr. hours

Track A Requirements: 70-71 cr. hrs.

- CHEM 121** General Chemistry I (5 cr.) or **CHEM 120** Introduction to General Chemistry (6 cr.)
CHEM 122 General Chemistry II (5 cr.)

General Education Requirements

Courses in the major or required supporting courses may be double counted to satisfy the General Education science requirements. Therefore, the total General Education credit hour requirement is reduced by the courses that can be double-counted.

Department of Chemistry

253 Centennial Science Hall
(715) 425-3523
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The Chemistry Department offers several options for chemistry majors, all of which are based on a core curriculum with additional requirements based on each option.

1. The Bachelor of Science regular option chemistry major is designed for students who desire a general education in chemistry as a background for careers in many fields such as polymer science, environmental analysis, industrial chemistry, materials science, various fields related to medical science, etc. This consists of 35 credit hours distributed among the major fields of chemistry.

2. The ACS-Approved regular option

CHEM 231 Organic Chemistry I (3 cr.)
CHEM 232 Organic Chemistry II (3 cr.)
CHEM 236 Organic Chemistry Laboratory I (1 cr.)
CHEM 237 Organic Chemistry Laboratory II (1 cr.)
CHEM 250 Foundations of Analytical Chemistry(4 cr.)
CHEM 261 Laboratory Safety (2 cr.)
CHEM 322 Inorganic Chemistry (4 cr.)
CHEM 341¹ Chemical Thermodynamics and Kinetics (3 cr.) or
CHEM 342¹ Molecular Structure and Spectroscopy (3 cr.)
CHEM 361 Biochemistry I (3cr.)
CHEM 362 Biochemistry II (3 cr.)
CHEM 366 Biochemistry Laboratory (writing intensive) (1 cr.)
CHEM 480 Chemical Communications and Research (writing
intensive)(1 cr.)

BIOL 150 Introduction to Biology (3 cr.)
BIOL 240 Cell and Molecular Biology (3 cr.)
BIOL 324 Microbiology (4 cr.)
BIOL 350 Genetics and Evolution (3 cr.)
BIOL 451^{4,6} Molecular Biology (4 cr.)

MATH 167 Calculus II (4 cr.)

PHYS 151 Algebra-Based Physics I (4 cr.)
PHYS 152 Algebra-Based Physics II (4 cr.)
PHYS 156 Algebra-Based Physics Lab I (1 cr.)
PHYS 157 Algebra-Based Physics Lab II (1 cr.)
Or
PHYS 161 Calculus-Based Physics I (4 cr.)
PHYS 162 Calculus-Based Physics II (4 cr.)
PHYS 166 Calculus-Based Physics Lab I (1 cr.)
PHYS 167 Calculus-Based Physics Lab II (1 cr.)

Track A In-depth elective courses:

Minimum of 4 credits including at least 4 lab credits.

CHEM 311 Polymer Chemistry (3 cr.)
CHEM 333 Organic Synthesis (4 cr.; includes 2 lab cr.)
CHEM 341¹ Chemical Thermodynamics and Kinetics (3 cr.) or
CHEM 342¹ Molecular Structure and Spectroscopy (3 cr.)
CHEM 355 Separation Science Laboratory (1 lab cr.)
CHEM 356 Chemical Instrumentation Lab (writing intensive) (1 lab
cr.)
CHEM 378² Semester Abroad (1-4 cr.; includes 1-4 cr. Lab)
CHEM 379² Internship (1-4 cr.; 1-4 cr. lab)
CHEM 401 Advanced Chemistry Lab I (writing intensive) (1 lab cr.)
CHEM 402 Advanced Chemistry Lab II (writing intensive) (1 lab
cr.)
CHEM 411 Polymer Science (3 cr.)
CHEM 416 Polymer Laboratory (1 lab cr.)
CHEM 422 Advanced Inorganic Chemistry (3 cr.)
CHEM 461 Pharmacology (3 cr.)
CHEM 489² Special Topics in Chemistry (1-4 cr.)
CHEM 495³ Undergraduate Research (1-3 cr.; includes 1-3 lab cr.)
PHYS 465^{5,6} Quantum Mechanics (4 cr.)

Required Supporting Course: 4 credits

chemistry major is offered for those students who wish to pursue a more intensive program in chemistry approved by the American Chemical Society. This program includes the courses in the Bachelor of Science chemistry major and additional advanced courses. It is particularly recommended for students who intend to go to graduate school or work in the chemical industry. A course in computer use or programming and one year of foreign language are strongly recommended.

3. The biochemistry options are for those students who wish to pursue a career in biotechnology, the medical sciences or who desire a strong background in the chemistry of biological systems. The biochemistry program may be based on the Bachelor of Science major or the ACS Approved major. The ACS-Approved major is recommended for the student who plans to attend graduate school.

4. The education option chemistry major is designed for prospective secondary school teachers. The curriculum is planned so as to give the student (1) a broad general education, (2) specialized preparation in chemistry with a minor in a supporting field and (3) professional training necessary for effective teaching. In order to be admitted to the College of Education, the student needs to be evaluated and recommended by the Chemistry Education Advisory Committee. Contact the Chemistry Department chair for further information.

5. The polymer option is designed for those students who wish to pursue a career in the chemical industry working with new materials for applications in aerospace, electronics, medicine, building, and transportation industries. Students completing this option will be prepared to directly enter the chemical industry or go on to

MATH 166 Calculus I (4 cr.)

Track B Requirements: 70 cr.

CHEM 130 Introduction to Organic Chemistry (5 cr.)
CHEM 233 Foundations of Organic Chemistry (5 cr.)
CHEM 240 Principles of General Chemistry (4 cr.)
CHEM 250 Foundations of Analytical Chemistry (4 cr.)
CHEM 261 Laboratory Safety (2 cr.)
CHEM 322 Inorganic Chemistry (4 cr.)
CHEM 333 Organic Synthesis (4 cr.)
CHEM 341¹ Chemical Thermodynamics and Kinetics (3 cr.) or
CHEM 342¹ Molecular Structure and Spectroscopy (3 cr.)
CHEM 361 Biochemistry I (3cr.)
CHEM 362 Biochemistry II (3 cr.)
CHEM 366 Biochemistry Laboratory (writing intensive) (1 cr.)
CHEM 480 Chemical Communications and Research (writing intensive) (1 cr.)

BIOL 150 Introduction to Biology (3 cr.)
BIOL 240 Cell and Molecular Biology (3 cr.)
BIOL 324 Microbiology (4 cr.)
BIOL 350 Genetics and Evolution (3 cr.)
BIOL 451^{4,6} Molecular Biology (4 cr.)
MATH 167 Calculus II (4 cr.)

PHYS 151 Algebra-Based Physics I (4 cr.)
PHYS 152 Algebra-Based Physics II (4 cr.)
PHYS 156 Algebra-Based Physics Lab I (1 cr.)
PHYS 157 Algebra-Based Physics Lab II (1 cr.)

Or

PHYS 161 Calculus-Based Physics I (4 cr.)
PHYS 162 Calculus-Based Physics II (4 cr.)
PHYS 166 Calculus-Based Physics Lab I (1 cr.)
PHYS 167 Calculus-Based Physics Lab II (1 cr.)

Track B In-depth elective courses: Minimum of 3 credits including at least 3 lab credits.

CHEM 311 Polymer Chemistry (3 cr.)
CHEM 341¹ Chemical Thermodynamics and Kinetics (3 cr.) or
CHEM 342¹ Molecular Structure and Spectroscopy (3 cr.)
CHEM 355 Separation Science Laboratory (1 lab cr.)
CHEM 356 Chemical Instrumentation Lab (writing intensive) (1 lab cr.)
CHEM 378² Semester Abroad (1-4 cr.; includes 1-4 cr. Lab)
CHEM 379² Internship (1-4 cr.; includes 1-4 cr. lab)
CHEM 401 Advanced Chemistry Lab I (writing intensive) (1 lab cr.)
CHEM 402 Advanced Chemistry Lab II (writing intensive) (1 lab cr.)
CHEM 411 Polymer Science (3 cr.)
CHEM 416 Polymer Laboratory (1 cr.; includes 1 lab cr.)
CHEM 422 Advanced Inorganic Chemistry (3 cr.)
CHEM 461 Pharmacology (3 cr.)
CHEM 489² Special Topics in Chemistry (1-3 cr.)
CHEM 495³ Undergraduate Research (1-3 cr.; includes 1-3 lab cr.)
PHYS 465^{5,6} Quantum Mechanics (4 cr.)

Required Supporting Course: 4 credits

graduate school in areas of study such as polymers or material science. The polymer option is based on the ACS-Approved major.

Note: Substitution of other courses for degree requirements is possible upon application and approval by the department. This is on a case-by-case basis and particularly may affect students who change to a chemistry major or who transfer to UWRF. Students should confer with their adviser and/or the department chair.

The Department of Chemistry at UWRF is approved by the American Chemical Society. Students who are interested in pursuing advanced training in chemistry may obtain an ACS-Approved degree by taking several additional chemistry courses. Within the required supporting courses, the calculus-based physics courses 161, 162, 166, 167 are required for the ACS-Approved Option.

MATH 166 Calculus I (4 cr.)

1. Both CHEM 341 and CHEM 342 are strongly recommended for students considering graduate education in chemistry. Both courses require MATH 167, and PHYS 152 or PHYS 162.
2. CHEM 378, CHEM 379 and CHEM 489 could be worth 1-4 credits each for a combined maximum of 4 credits counting toward the in-depth electives. Actual credits will be determined based on department approval at the time of enrollment.
3. A maximum of 3 credits of CHEM 495 can count toward the in-depth electives.
4. BIOL 451 requires BIOL 240, BIOL 324 and BIOL 350.
5. PHYS 465 requires PHYS 264, 261 (or CHEM 342), MATH 256 and MATH 331.
6. A maximum of 4 credits of non-chemistry courses may count toward the in-depth electives.

University of Wisconsin-River Falls
410 S. 3rd Street, River Falls WI 54022 USA
Campus Information (715) 425-3911

Chemistry Major

Core Requirements

Core A Requirements for All Chemistry Major Programs: 22-23 cr. hrs.

- CHEM 121** General Chemistry I 5 cr. or **CHEM 120** Introduction to General Chemistry 6 cr.
CHEM 122 General Chemistry II 5 cr.
CHEM 231 Organic Chemistry I 3 cr.
CHEM 232 Organic Chemistry II 3 cr.
CHEM 250 Foundations of Analytical Chemistry 4 cr.
CHEM 355 Separation Science Laboratory 1 cr.
CHEM 480 Chemical Communications and Research (writing intensive) 1 cr.

Core B Requirements for All Chemistry Major Programs: 24 cr. hrs.

- CHEM 130** Introduction to Organic Chemistry 5 cr.
CHEM 233 Foundations of Organic Chemistry 5 cr.
CHEM 240 Foundations of Inorganic Chemistry 4 cr.
CHEM 250 Foundations of Analytical Chemistry 4 cr.
CHEM 333 Organic Synthesis 4 cr.
CHEM 355 Separation Science Laboratory 1 cr.
CHEM 480 Chemical Communications and Research (writing intensive) 1 cr.

Required Supporting Courses: 14-21 cr. hrs.

- MATH 166** Calculus I 4 cr.
MATH 167 Calculus II 4 cr.
MATH 266 Calculus III 3 cr.

Choose one of the following two physics series I or II: 10 cr. hrs. (Option B is required for ACS-approved options)

- Series I.** **PHYS 151** General Physics I
PHYS 152 General Physics II
PHYS 156 General Physics Laboratory I
PHYS 157 General Physics Laboratory II
Series II. **PHYS 161** General Physics I
PHYS 162 General Physics II
PHYS 166 General Physics Laboratory I
PHYS 167 General Physics Laboratory II

Chemistry	Biochem.	Preprof.	Education	Dual Degree
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Biochemistry-Pre-professional: 63-65 Cr. hours

Track A Requirements: 55-57 cr. hrs.

- CHEM 121** General Chemistry I (5 cr.) or **CHEM 120** Introduction to General Chemistry (6 cr.)
CHEM 122 General Chemistry II (5 cr.)

General Education Requirements

Courses in the major or required supporting courses may be double counted to satisfy the General Education science requirements. Therefore, the total General Education credit hour requirement is reduced by the courses that can be double-counted.

Department of Chemistry

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1. The Bachelor of Science regular option chemistry major is designed for students who desire a general education in chemistry as a background for careers in many fields such as polymer science, environmental analysis, industrial chemistry, materials science, various fields related to medical science, etc. This consists of 35 credit hours distributed among the major fields of chemistry.
2. The ACS-Approved regular option

CHEM 231 Organic Chemistry I (3 cr.)
CHEM 232 Organic Chemistry II (3 cr.)
CHEM 236 Organic Chemistry Laboratory I (1 cr.)
CHEM 237 Organic Chemistry Laboratory II (1 cr.)
CHEM 250 Foundations of Analytical Chemistry(4 cr.)
CHEM 261 Laboratory Safety (2 cr.)
CHEM 322 Inorganic Chemistry (4 cr.)
CHEM 340 Physical Chemistry of Biological Systems (3 cr.)
CHEM 361 Biochemistry I (3cr.)
CHEM 362 Biochemistry II (3 cr.)
CHEM 366 Biochemistry Laboratory (writing intensive) (1 cr.)
CHEM 480 Chemical Communications and Research (writing intensive)(1 cr.)

BIOL 150 Introduction to Biology (3 cr.)

MATH elective¹ (3-4 cr.)

PHYS 151 Algebra-Based Physics I (4 cr.)
PHYS 152 Algebra-Based Physics II (4 cr.)
PHYS 156 Algebra-Based Physics Lab I (1 cr.)
PHYS 157 Algebra-Based Physics Lab II (1 cr.)

Or

PHYS 161 Calculus-Based Physics I (4 cr.)
PHYS 162 Calculus-Based Physics II (4 cr.)
PHYS 166 Calculus-Based Physics Lab I (1 cr.)
PHYS 167 Calculus-Based Physics Lab II (1 cr.)

Track A In-depth elective courses:

Minimum of 8 credits including at least 3 lab credits.

CHEM 311 Polymer Chemistry (3 cr.)
CHEM 333 Organic Synthesis (4 cr.; includes 2 lab cr.)
CHEM 341² Chemical Thermodynamics and Kinetics (3 cr.) or
CHEM 342¹ Molecular Structure and Spectroscopy (3 cr.)
CHEM 355 Separation Science Laboratory (1 lab cr.)
CHEM 356 Chemical Instrumentation Lab (writing intensive) (1 lab cr.)
CHEM 378³ Semester Abroad (1-4 cr.; includes 1-4 cr. Lab)
CHEM 379³ Internship (1-4 cr.; includes 1-4 cr. lab)
CHEM 401 Advanced Chemistry Lab I (writing intensive) (1 lab cr.)
CHEM 402 Advanced Chemistry Lab II (writing intensive) (1 lab cr.)
CHEM 411 Polymer Science (3 cr.)
CHEM 416 Polymer Laboratory (1 lab cr.)
CHEM 422 Advanced Inorganic Chemistry (3 cr.)
CHEM 461 Pharmacology (3 cr.)
CHEM 489³ Special Topics in Chemistry (1-4 cr.)
CHEM 495⁴ Undergraduate Research (1-3 cr.; includes 1-3 lab cr.)
BIOL 350 Genetics and Evolution (3 cr.)
BIOL 451^{5,7} Molecular Biology (4 cr.; includes 1 lab cr.)

Required Supporting Course: 4 credits

MATH 166 Calculus I (4 cr.)

Track B Requirements: 51-52 cr.

CHEM 130 Introduction to Organic Chemistry (5 cr.)
CHEM 233 Foundations of Organic Chemistry (5 cr.)

chemistry major is offered for those students who wish to pursue a more intensive program in chemistry approved by the American Chemical Society. This program includes the courses in the Bachelor of Science chemistry major and additional advanced courses. It is particularly recommended for students who intend to go to graduate school or work in the chemical industry. A course in computer use or programming and one year of foreign language are strongly recommended.

3. The biochemistry options are for those students who wish to pursue a career in biotechnology, the medical sciences or who desire a strong background in the chemistry of biological systems. The biochemistry program may be based on the Bachelor of Science major or the ACS Approved major. The ACS-Approved major is recommended for the student who plans to attend graduate school.

4. The education option chemistry major is designed for prospective secondary school teachers. The curriculum is planned so as to give the student (1) a broad general education, (2) specialized preparation in chemistry with a minor in a supporting field and (3) professional training necessary for effective teaching. In order to be admitted to the College of Education, the student needs to be evaluated and recommended by the Chemistry Education Advisory Committee. Contact the Chemistry Department chair for further information.

5. The polymer option is designed for those students who wish to pursue a career in the chemical industry working with new materials for applications in aerospace, electronics, medicine, building, and transportation industries. Students completing this option will be prepared to directly enter the chemical industry or go on to

CHEM 240 Principles of General Chemistry (4 cr.)
CHEM 250 Foundations of Analytical Chemistry (4 cr.)
CHEM 261 Laboratory Safety (2 cr.)
CHEM 322 Inorganic Chemistry (4 cr.)
CHEM 340 Physical Chemistry of Biological Systems (3 cr.)
CHEM 361 Biochemistry I (3cr.)
CHEM 362 Biochemistry II (3 cr.)
CHEM 366 Biochemistry Laboratory (writing intensive) (1 cr.; 1 lab cr.)
CHEM 480 Chemical Communications and Research (writing intensive) (1 cr.)

BIOL 150 Introduction to Biology (3 cr.)

MATH elective¹ (3-4 cr.)

PHYS 151 Algebra-Based Physics I (4 cr.)
PHYS 152 Algebra-Based Physics II (4 cr.)
PHYS 156 Algebra-Based Physics Lab I (1 cr.)
PHYS 157 Algebra-Based Physics Lab II (1 cr.)

Or

PHYS 161 Calculus-Based Physics I (4 cr.)
PHYS 162 Calculus-Based Physics II (4 cr.)
PHYS 166 Calculus-Based Physics Lab I (1 cr.)
PHYS 167 Calculus-Based Physics Lab II (1 cr.)

Track B In-depth elective courses: Minimum of 13 credits including at least 2 lab credits.

CHEM 311 Polymer Chemistry (3 cr.)
CHEM 333 Organic Synthesis (4 cr.; includes 2 lab cr.)
CHEM 341² Chemical Thermodynamics and Kinetics (3 cr.) or
CHEM 342¹ Molecular Structure and Spectroscopy (3 cr.)
CHEM 355 Separation Science Laboratory (1 lab cr.)
CHEM 356 Chemical Instrumentation Lab (writing intensive) (1 lab cr.)
CHEM 378³ Semester Abroad (1-4 cr.; includes 1-4 cr. Lab)
CHEM 379³ Internship (1-4 cr.; includes 1-4 cr. lab)
CHEM 401 Advanced Chemistry Lab I (writing intensive) (1 lab cr.)
CHEM 402 Advanced Chemistry Lab II (writing intensive) (1 lab cr.)
CHEM 411 Polymer Science (3 cr.)
CHEM 416 Polymer Laboratory (1 lab cr.)
CHEM 422 Advanced Inorganic Chemistry (3 cr.)
CHEM 461 Pharmacology (3 cr.)
CHEM 489³ Special Topics in Chemistry (1-3 cr.)
CHEM 495⁴ Undergraduate Research (1-3 cr.; includes 1-3 lab cr.)
BIOL 350⁶ Genetics and Evolution (3 cr.)
BIOL 451^{5,7} Molecular Biology (4 cr.; includes 1 lab cr.)

Required Supporting Course: 4 credits

MATH 166 Calculus I (4 cr.)

1. Math electives could include: MATH 226: Fundamentals of Statistics, MATH 167: Calculus II, MATH 236: Discrete Mathematics, MATH 256: Linear Algebra or MATH 326: Applied Statistics.
2. Both CHEM 341 and CHEM 342 are strongly recommended for

graduate school in areas of study such as polymers or material science. The polymer option is based on the ACS-Approved major.

Note: Substitution of other courses for degree requirements is possible upon application and approval by the department. This is on a case-by-case basis and particularly may affect students who change to a chemistry major or who transfer to UWRF. Students should confer with their adviser and/or the department chair.

The Department of Chemistry at UWRF is approved by the American Chemical Society. Students who are interested in pursuing advanced training in chemistry may obtain an ACS-Approved degree by taking several additional chemistry courses. Within the required supporting courses, the calculus-based physics courses 161, 162, 166, 167 are required for the ACS-Approved Option.

students considering graduate education in chemistry. Both courses require MATH 167, and PHYS 152 or PHYS 162.

3. CHEM 378, CHEM 379 and CHEM 489 could be worth 1-4 credits each for a combined maximum of 4 credits counting toward the in-depth electives. Actual credits will be determined based on department approval at the time of enrollment.
4. A maximum of 3 credits of CHEM 495 can count toward the in-depth electives.
5. BIOL 451 requires BIOL 240, BIOL 324 and BIOL 350.
6. BIOL 350 requires BIOL 240.
7. A maximum of 4 credits of non-chemistry courses may count toward the in-depth electives.

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Chemistry Major

Core Requirements

Core A Requirements for All Chemistry Major Programs: 22-23 cr. hrs.

- CHEM 121** General Chemistry I 5 cr. or **CHEM 120** Introduction to General Chemistry 6 cr.
CHEM 122 General Chemistry II 5 cr.
CHEM 231 Organic Chemistry I 3 cr.
CHEM 232 Organic Chemistry II 3 cr.
CHEM 250 Foundations of Analytical Chemistry 4 cr.
CHEM 355 Separation Science Laboratory 1 cr.
CHEM 480 Chemical Communications and Research (writing intensive) 1 cr.

Core B Requirements for All Chemistry Major Programs: 24 cr. hrs.

- CHEM 130** Introduction to Organic Chemistry 5 cr.
CHEM 233 Foundations of Organic Chemistry 5 cr.
CHEM 240 Foundations of Inorganic Chemistry 4 cr.
CHEM 250 Foundations of Analytical Chemistry 4 cr.
CHEM 333 Organic Synthesis 4 cr.
CHEM 355 Separation Science Laboratory 1 cr.
CHEM 480 Chemical Communications and Research (writing intensive) 1 cr.

Required Supporting Courses: 14-21 cr. hrs.

- MATH 166** Calculus I 4 cr.
MATH 167 Calculus II 4 cr.
MATH 266 Calculus III 3 cr.

Choose one of the following two physics series I or II: 10 cr. hrs. (Option B is required for ACS-approved options)

- Series I.** **PHYS 151** General Physics I
PHYS 152 General Physics II
PHYS 156 General Physics Laboratory I
PHYS 157 General Physics Laboratory II
Series II. **PHYS 161** General Physics I
PHYS 162 General Physics II
PHYS 166 General Physics Laboratory I
PHYS 167 General Physics Laboratory II

Chemistry	Biochem.	Preprof.	Education	Dual Degree
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Chemistry Major- Education

Major Requirements - Secondary Education 35-36 Total Credits

Core Requirements: 22-24 cr. hrs.

Required Supporting Courses: 21 cr. hrs. (not counted in total)

General Education Requirements

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Department of Chemistry

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2. The ACS-Approved regular option

for major)

Secondary Education Option

Required Courses: 12-14 cr. hrs.

CHEM 236 Organic Chemistry Lab I 1 cr. (Core A only)

CHEM 237 Organic Chemistry Lab II 1 cr. (Core A only)

CHEM 341 Chemical Thermodynamics and Kinetics 3 cr.

CHEM 342 Molecular Structure and Spectroscopy 3 cr.

CHEM 356 Chemical Instrumentation Lab (writing intensive) 1 cr.

CHEM 401 Advanced Chemistry Lab I (writing intensive) 1 cr.

CHEM 402 Advanced Chemistry Lab II (writing intensive) 1 cr.

CHEM 422 Advanced Inorganic Chemistry (writing intensive) 3 cr.

chemistry major is offered for those students who wish to pursue a more intensive program in chemistry approved by the American Chemical Society. This program includes the courses in the Bachelor of Science chemistry major and additional advanced courses. It is particularly recommended for students who intend to go to graduate school or work in the chemical industry. A course in computer use or programming and one year of foreign language are strongly recommended.

3. The biochemistry options are for those students who wish to pursue a career in biotechnology, the medical sciences or who desire a strong background in the chemistry of biological systems. The biochemistry program may be based on the Bachelor of Science major or the ACS Approved major. The ACS-Approved major is recommended for the student who plans to attend graduate school.

4. The education option chemistry major is designed for prospective secondary school teachers. The curriculum is planned so as to give the student (1) a broad general education, (2) specialized preparation in chemistry with a minor in a supporting field and (3) professional training necessary for effective teaching. In order to be admitted to the College of Education, the student needs to be evaluated and recommended by the Chemistry Education Advisory Committee. Contact the Chemistry Department chair for further information.

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graduate school in areas of study such as polymers or material science. The polymer option is based on the ACS-Approved major.

Note: Substitution of other courses for degree requirements is possible upon application and approval by the department. This is on a case-by-case basis and particularly may affect students who change to a chemistry major or who transfer to UWRF. Students should confer with their adviser and/or the department chair.

The Department of Chemistry at UWRF is approved by the American Chemical Society. Students who are interested in pursuing advanced training in chemistry may obtain an ACS-Approved degree by taking several additional chemistry courses. Within the required supporting courses, the calculus-based physics courses 161, 162, 166, 167 are required for the ACS-Approved Option.

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Chemistry Major

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CHEM 232 Organic Chemistry II 3 cr.
CHEM 250 Foundations of Analytical Chemistry 4 cr.
CHEM 355 Separation Science Laboratory 1 cr.
CHEM 480 Chemical Communications and Research (writing intensive) 1 cr.

Core B Requirements for All Chemistry Major Programs: 24 cr. hrs.

- CHEM 130** Introduction to Organic Chemistry 5 cr.
CHEM 233 Foundations of Organic Chemistry 5 cr.
CHEM 240 Foundations of Inorganic Chemistry 4 cr.
CHEM 250 Foundations of Analytical Chemistry 4 cr.
CHEM 333 Organic Synthesis 4 cr.
CHEM 355 Separation Science Laboratory 1 cr.
CHEM 480 Chemical Communications and Research (writing intensive) 1 cr.

Required Supporting Courses: 14-21 cr. hrs.

- MATH 166** Calculus I 4 cr.
MATH 167 Calculus II 4 cr.
MATH 266 Calculus III 3 cr.

Choose one of the following two physics series I or II: 10 cr. hrs. (Option B is required for ACS-approved options)

- Series I.** **PHYS 151** General Physics I
PHYS 152 General Physics II
PHYS 156 General Physics Laboratory I
PHYS 157 General Physics Laboratory II
Series II. **PHYS 161** General Physics I
PHYS 162 General Physics II
PHYS 166 General Physics Laboratory I
PHYS 167 General Physics Laboratory II

Chemistry	Biochem.	Preprof.	Education	Dual Degree
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Chemistry Major - Dual Degree (Engineering)

This major is awarded jointly with a B.S. in engineering after the student has successfully completed a three-year program at UW-River Falls with a minimum grade point average of 3.0 and a two-year program at either UW-Madison or the University of

General Education Requirements

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Department of Chemistry

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2. The ACS-Approved regular option

Minnesota.

Required courses 29-30 cr. hrs.

CHEM 121 General Chemistry I 5 cr.

or CHEM 120 Introduction to General Chemistry 6 cr.

CHEM 122 General Chemistry II 5 cr.

CHEM 231 Organic Chemistry I 3 cr.

CHEM 232 Organic Chemistry II 3 cr.

CHEM 246 Synthetic and Analytical Techniques in Organic Chem I 2 cr.

CHEM 247 Synthetic and Analytical Techniques in Organic Chem II 1 cr.

CHEM 251 Analytical Chemistry 2 cr.

CHEM 256 Analytical Chemistry Lab 1 cr.

CHEM 341 Chemical Thermodynamics and Kinetics 3 cr.

CHEM 342 Molecular Structure and Spectroscopy 3 cr.

CHEM 355 Separation Science Laboratory 1 cr.

Credits transferred from Engineering School 30 cr. hrs.

Required supporting courses at UWR 34 cr. hrs.

PHYS 161 General Physics I 4 cr.

PHYS 162 General Physics II 4 cr.

PHYS 166 General Physics Laboratory I 1 cr.

PHYS 167 General Physics Laboratory II 1 cr.

PHYS 211 Scientific Programming 3 cr.

PHYS 264 General Physics 4 cr.

MATH 166 Calculus I 4 cr.

MATH 167 Calculus II 4 cr.

MATH 256 Linear Algebra 3 cr.

MATH 266 Calculus III 3 cr.

MATH 331 Differential Equations 3 cr.

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Note: Substitution of other courses for degree requirements is possible upon application and approval by the department. This is on a case-by-case basis and particularly may affect students who change to a chemistry major or who transfer to UWRF. Students should confer with their adviser and/or the department chair.

The Department of Chemistry at UWRF is approved by the American Chemical Society. Students who are interested in pursuing advanced training in chemistry may obtain an ACS-Approved degree by taking several additional chemistry courses. Within the required supporting courses, the calculus-based physics courses 161, 162, 166, 167 are required for the ACS-Approved Option.

University of Wisconsin-River Falls
410 S. 3rd Street, River Falls WI 54022 USA
Campus Information (715) 425-3911

Chemistry Minor

Liberal Arts and Education Minor: 22-25 Total Credits

Required Courses: 10-11 cr. hrs.

Option A

CHEM 121 General Chemistry I 5 cr.

or CHEM 120 Introduction to General Chemistry 6 cr.

CHEM 122 General Chemistry II 5 cr.

Option B

CHEM 130 Introduction to Organic Chemistry 5 cr

CHEM 233 Foundations of Organic Chemistry 5 cr

Directed electives: Liberal Arts Minor: 12 cr. hrs.

or Secondary Education Minor: 14 cr. hrs.

At least one course must be at the 300 level or above.

CHEM 231 Organic Chemistry I 3 cr.

CHEM 232 Organic Chemistry II 3 cr.

CHEM 236 Organic Chemistry Lab I 1 cr. (Core A only)

CHEM 237 Organic Chemistry Lab II 1 cr. (Core A only)

CHEM 240 Foundations of Inorganic Chemistry 4 cr.

CHEM 246 Synthetic and Analytical Techniques in Organic Chem I 2 cr.

CHEM 247 Synthetic and Analytical Techniques in Organic Chem II 1 cr.

CHEM 250 Foundations of Analytical Chemistry 4 cr.

CHEM 311 Polymer Chemistry 3 cr.

CHEM 333 Organic Synthesis 4 cr.

CHEM 340 Physical Chemistry of Biological Systems 3 cr.

CHEM 341 Chemical Thermodynamics and Kinetics 3 cr.

CHEM 342 Molecular Structure and Spectroscopy 3 cr.

CHEM 355 Separation Science Laboratory 1 cr.

CHEM 356 Chemical Instrumentation Lab (writing intensive) 1 cr.

CHEM 361 Biochemistry I 3 cr.

CHEM 362 Biochemistry II 3 cr.

CHEM 366 Biochemistry Laboratory (writing intensive) 1 cr.

CHEM 411 Polymer Science 3 cr.

CHEM 416 Polymer Laboratory 1 cr.

CHEM 422 Advanced Inorganic Chemistry (writing intensive) 3 cr.

CHEM 432 Advanced Organic Chemistry 3 cr.

CHEM 461 Pharmacology 3 cr.

CHEM 495 Undergraduate Research 1 cr.

Department of Chemistry

253 Centennial Science Hall

(715) 425-3523

www.uwrf.edu/CHEM/

Jeff Rosenthal-Chair, Marilyn Duerst, Ross Jilk, Mike Kahlow, Lisa Kroutil, Daniel Marchand, Kevin McLaughlin, Barb Nielsen, Magdalena Pala, Karl Peterson, David Rainville, David Rusterholz, Jamie Schneider, Stacey Stoffregen.

University of Wisconsin-River Falls
410 S. 3rd Street, River Falls WI 54022 USA
Campus Information (715) 425-3911

Coaching Minor

Minor Requirements 23 Total Credits

Required Courses: 18 cr. hrs.

SFED 200 First Aid and Basic Life Support 1 cr.

HEAL 262 Human Anatomy and Physiology 3 cr.
(or **HEAL 263** and 366)

P ED 213 Care and Prevention of Athletic Injury 2 cr.

P ED 354 Biomechanics 3 cr.

P ED 363 Psychology of Coaching 3 cr.

P ED 465 Scientific Principles of Conditioning 3 cr.

P ED 472 Coaching Practicum 3 cr.

Coaching Theory Classes: 6 cr. hrs.

Required to take at least two coaching theory classes.

P ED 356 Tennis Coaching 2 cr.

P ED 358 Track Coaching 2 cr.

P ED 359 Volleyball Coaching 2 cr.

P ED 365 Football Coaching 2 cr.

P ED 366 Swimming Coaching 2 cr.

P ED 367 Basketball Coaching 2 cr.

P ED 368 Ice Hockey Coaching 2 cr.

P ED 369 Baseball/Softball Coaching 2 cr.

Students may satisfy this 6 cr. requirement by choosing a maximum of 2 cr. from the following or taking an additional coaching theory class:

P ED 166 Football Officiating 1 cr.

P ED 167 Basketball Officiating 1 cr.

P ED 270 Athletic Training Practicum 2 cr.

P ED 351 Coaching Young Athletes 2 cr.

Non-education majors are required to take **PSYC 236** and 336.

Department of Health and Human Performance

111 Karges Center

(715) 425-3705

www.uwrf.edu/hhp/

Chair-Ken Ecker, Debra Allyn, Jeff Berkhof, Greg Bower, Aaron Decker, Gary Eloranta, Patti Ford, Steve Freeman, Stacy Furness, James Gostomski, Cindy Holbrook, Joe O'Kroy, Faye Perkins, Robert Ritzer, Paul Shirilla, Matt Walker, Karla Zhe

Communication Studies Major

Communication Studies Major 36-40 Credits

Core Requirements: 12 Credits

COMS 106 Interpersonal Communication 3 cr.
COMS 286 Introduction to Communication Studies 3 cr.
COMS 386 Communication Theory and Qualitative Research 3 cr.
COMS 486 Senior Capstone 3 cr.

Goal Requirements: 12-14 credits

Students will take courses to fulfill the five goals of the Communication Studies Program.

Courses may be counted in up to two separate goals. For example, if a student takes COMS 308, it may count for BOTH Goal One and Goal Three.

Goal One: Students must take TWO of the following courses to fulfill the goal "Ability to Collaborate".

- COMS 206 Family Communication
- COMS 308 Small Group Communication
- COMS 316 Organizational Communication
- COMS 318 Communication and Leadership
- COMS 416 Training and Development

Goal Two: Students must take One of the following courses to fulfill the goal "Ability to Comprehend Research".

- COMS 306 Nonverbal Communication
- COMS 319 Freedom to Speak
- COMS 440 Gender Communication
- COMS 314 Rhetorical Criticism

Goal Three: Students must take TWO of the following courses to fulfill the goal "Ability to be Innovative, Strategic and Effective Communicators".

- COMS 206 Family Communication
- COMS 211 Public Speaking
- COMS 213 Intercultural Communication
- COMS 216 Communication in the Interview
- COMS 306 Nonverbal Communication
- COMS 308 Small Group Communication
- COMS 312 Argumentation
- COMS 315 Communication and Social Change
- COMS 318 Communication and Leadership
- COMS 416 Training and Development

All majors are required to take either **COMS 101**: Fundamentals of Oral Communication OR **COMS 116** : Business and Professional Communication

Department of
Communication Studies and
Theatre Arts

B-24 Kleinpell Fine Arts
(715) 425-3971
www.uwrf.edu/CSTA

Robin Murray-Chair, Barbara L.
Werner, Jennifer Willis-Rivera, Grace
Coggio

Visiting Professor: Gordon
Nakagawa

Adjuncts: Eric Eberhardt, Sean
Larson, Kathleen Olsen, Angela
Siwik

Goal Four: Students must take ONE of the following courses to fulfill the goal "Ability to Comprehend Communication Literacy".

- COMS 206 Family Communication
- COMS 306 Nonverbal Communication
- COMS 308 Small Group Communication
- COMS 314 Rhetorical Criticism
- COMS 315 Communication and Social Change
- COMS 316 Organizational Communication
- COMS 319 Freedom to Speak
- COMS 416 Training and Development
- COMS 440 Gender Communication

Goal Five: Students must take TWO of the following courses to fulfill the goal "Ability to Communicate Ethically".

- COMS 211 Public Speaking
- COMS 213 Intercultural Communication
- COMS 315 Communication in Social Change
- COMS 318 Communication and Leadership
- COMS 319 Freedom to Speak
- COMS 314 Rhetorical Criticism

Individual Study Requirements: 3-4 Credits

Students will take one of the following to complement their course of study in consultation with their advisor.

- COMS 379 Communication Studies Internship (3-4 hours)
- COMS 499 Independent Study (3 hours)

Directed Electives: up to 9 credits

Students must take additional credits in COMS to equal a minimum of 36 credits in the major.

Supporting Course

Students must take either COMS 101 or COMS 116 as a supporting course for the major.

University of Wisconsin-River Falls
410 S. 3rd Street, River Falls WI 54022 USA
Campus Information (715) 425-3911

Communication Studies Minor

Communication Studies Minor - Elementary Education

Communication Studies Minor - Elementary Education 24 Total Credits

Required Courses: 9 cr. hrs.

COMS 223 Oral Interpretation of Literature 3 cr.

COMS 306 Nonverbal Communication 3 cr.

COMS 407 Listening Instruction 3 cr.

Directed Electives: 9 cr. hrs.

COMS 208 Problem Solving in Small Group Communication 3 cr.

COMS 327 Children's Theatre and Puppetry 3 cr.

COMS 328 Creative Dramatics for Children and Special Populations 3 cr.

COMS 335 Directing I 3 cr.

or

COMS 231 Stage Technology and Scene Painting

Electives in COMS: 6 cr. hrs.

A research/writing course experience is required in the major or another field; **COMS 284** Sophomore Seminar or another course approved by the department chair, will satisfy this requirement. A senior portfolio experience is required in the major or another field; **COMS 484**, Senior Portfolio Seminar or another course approved by the department chair, will satisfy this requirement.

Communication Studies Minor - Liberal Arts, B.S.

24 Total Credits

Required Courses: 12 cr. hrs.

COMS 106 Interpersonal Communication 3 cr.

COMS 207 Listening Skills 3 cr.

COMS 306 Nonverbal Communication 3 cr.

COMS 311 Persuasion 3 cr.

Directed Electives: 12 cr. hrs.

COMS 208 Problem Solving in Small Group Communication 3 cr.

or

COMS 316 Organizational Communication

COMS 211 Public Speaking 3 cr.

COMS 312 Argumentation and Decision Making 3 cr.

COMS 313 Intercultural Communication 3 cr.

COMS 314 Introduction to Criticism for Oral Communication 3 cr.

COMS 319 Freedom to Speak 3 cr.

COMS 414 Speech in History 3 cr.

COMS 440 Gender Communication 3 cr.

COMS 370 Intercollegiate Debate 1 cr.

or

COMS 371 Intercollegiate Forensics 1 cr.

or

Department of
Communication Studies and
Theatre Arts

B-24 Kleinpell Fine Arts
(715) 425-3971

www.uwrf.edu/CSTA

Robin Murray-Chair, Barbara L.
Werner, Jennifer Willis-Rivera, Grace
Coggio

Visiting Professors: Gordon
Nakagawa

Adjuncts: Eric Eberhardt, Beverly
Larsen, Sean Larson, Kathleen
Olsen, Angela Siwik

COMS 379 Internship in COMS 3-12 cr.

COMS 499 Independent Study/Independent Research 1-3 cr.

A research/writing course experience is required in the major or another field; COMS 284 Sophomore Seminar or another course approved by the department chair, will satisfy this requirement. A senior portfolio experience is required in the major or another field; COMS 484, Senior Portfolio Seminar or another course approved by the department chair, will satisfy this requirement.

University of Wisconsin-River Falls
410 S. 3rd Street, River Falls WI 54022 USA
Campus Information (715) 425-3911

Communicative Disorders Major

Liberal Arts and Education: 38 Total Credits

Required Courses: 38 cr. hrs.

- COMD 160 Introduction to Communicative Disorders 3 cr.
- COMD 261 Language Development 4 cr.
- COMD 262 Speech Systems 4 cr.
- COMD 263 Phonetics 3 cr.
- COMD 264 Speech Science 3 cr.
- COMD 275 Practicum: Observation/Discussion 1 cr.
- COMD 350 Articulatory and Phonological Disorders 3 cr.
- COMD 360 Introduction to Audiology 3 cr.
- COMD 362 Language Appraisal and Intervention 3 cr.
- COMD 460 Voice Disorders 2 cr.
- COMD 463 Behavior Modification/Stuttering 3 cr.
- COMD 466 Aural Rehabilitation 3 cr.
- COMD 479 Clinical Procedures and Experience 3 cr.

Electives:

- COMD 162 Introduction to American Sign Language 3 cr.

Professional Education Requirements: 11-14 cr. hrs.

- TED 211 Educational Psychology: Elementary Education 5 cr.
- TED 422 Content Area Literacy in Middle and Secondary Schools 3 cr.
- or TED 461 The Psychology and Pedagogy of Literacy 3 cr.
- TED 439 Techniques of Middle/Secondary Education: Communicative Disorders 3 cr.
- SPED 330 The Exceptional Child 3 cr.

Department of
Communicative Disorders

**B31 Walker Wyman
Education**

(715) 425-3801

www.uwrf.edu/COMD/

Mike Harris—Chair, Gary Cottrell,
Naomi Hashimoto, Sharyl Samargia,
Satomi Shinde, Sarah Smits, Lori
Swanson

University of Wisconsin-River Falls
410 S. 3rd Street, River Falls WI 54022 USA
Campus Information (715) 425-3911

Communicative Disorders Minor

Communicative Disorders Minor

Three different emphases 22 Total Credits

Required Courses: 4 cr. hrs.

COMD 160 Introduction to Communicative Disorders 3 cr.

COMD 275 Practicum: Observation/Discussing 1 cr.

1. Early Childhood Emphasis: 9 cr. hrs.

COMD Electives-Choose 3 courses from:

COMD Electives-Choose 3 courses from:

COMD 261 Language Development 4 cr.

COMD 262 Speech Systems 4 cr.

COMD 263 Phonetics 3 cr.

COMD 350 Articulatory and Phonological Disorders 3 cr.

COMD 360 Introduction to Audiology 3 cr.

COMD 362 Language Appraisal and Intervention 3 cr.

COMD 466 Aural Rehabilitation 3 cr.

Early Childhood Directed Electives: 9 cr. hrs.

Choose 3 courses from:

CSTA 207 Listening Skills 3 cr.

ENGL 250 Literature for Children 3 cr.

ENGL 322 Acquisition of Language 3 cr.

PSYC 201 Behavioral Statistics 3 cr.

PSYC 236 Developmental Psychology: Childhood and Adolescence 3 cr.

PSYC 260 Behavior Modification 3 cr.

PSYC 305 Learning and Motivation 3 cr.

PSYC 310 Memory and Thinking 3 cr.

PSYC 315 Psychological Measurement and Evaluation 3 cr.

TED 225 Developmental Learning Experiences of Young Children 3 cr.

TED 255 Reading Guidance for Children 3 cr.

TED 330 Infant and Toddler Programs 3 cr.

2. School Age Emphasis 9 cr. hrs.

COMD Electives-Choose 3 courses from:

COMD 261 Language Development 4 cr.

COMD 262 Speech Systems 4 cr.

COMD 263 Phonetics 3 cr.

COMD 350 Articulatory and Phonological Disorders 3 cr.

COMD 360 Introduction to Audiology 3 cr.

COMD 362 Language Appraisal and Intervention 3 cr.

COMD 460 Voice Disorders 3 cr.

COMD 463 Behavior Modification/Stuttering 3 cr.

COMD 466 Aural Rehabilitation 3 cr.

School Age Directed Electives: 9 cr. hrs.

Choose 3 courses from:

COUN 410 Introduction to Counseling 3 cr.

CSTA 207 Listening Skills 3 cr.

Department of
Communicative Disorders

B31 Walker Wyman

Education

(715) 425-3801

www.uwrf.edu/COMD/

Mike Harris—Chair, Gary Cottrell,
Naomi Hashimoto, Sharyl Samargia,
Satomi Shinde, Sarah Smits, Lori
Swanson

CSTA 222 Voice and Articulation 3 cr.
ENGL 250 Literature for Children 3 cr.
ENGL 322 Acquisition of Language 3 cr.
ENGL 373 Techniques in Tutoring: TESOL Practicum 3 cr.
PSYC 201 Behavioral Statistics 3 cr.
PSYC 236 Developmental Psychology: Childhood and Adolescence 3 cr.
PSYC 260 Behavior Modification 3 cr.
PSYC 305 Learning and Motivation 3 cr.
SPED 420 Introduction to Learning Disabilities
TED 255 Reading Guidance for Children 3 cr.
TED 461 The Psychology and Pedagogy of Literacy 3 cr.
Directed electives that are applicable for Learning Disability certification are COMD 261, SPED 420 and TED 461

3. Adult Emphasis 9 cr. hrs.

COMD Electives-Choose 3 courses from:

COMD 262 Speech Systems 4 cr.
COMD 263 Phonetics 3 cr.
COMD 350 Articulatory and Phonological Disorders 3 cr.
COMD 360 Introduction to Audiology 3 cr.
COMD 460 Voice Disorders 3 cr.
COMD 463 Behavior Modification/Stuttering 3 cr.

Adult Directed Electives: 9 credits

Choose 3 courses from:

COUN 410 Introduction to Counseling 3 cr.
CSTA 207 Listening Skills 3 cr.
CSTA 222 Voice and Articulation 3 cr.
CSTA 306 Nonverbal Communication 3 cr.
ENGL 373 Techniques in Tutoring: TESOL Practicum 3 cr.
PSYC 201 Behavioral Statistics 3 cr.
PSYC 260 Behavior Modification 3 cr.
PSYC 305 Learning and Motivation 3 cr.
PSYC 310 Memory and Thinking 3 cr.
PSYC 315 Psychological Measurement and Evaluation 3 cr.
PSYC 336 Developmental Psychology: Adulthood and Aging 3 cr.
SOC 315 Sociology of Later Life 3 cr.
SOC 300 Research Methods (writing intensive) 3 cr.
or SOWK 300 Research Methods

University of Wisconsin-River Falls
410 S. 3rd Street, River Falls WI 54022 USA
Campus Information (715) 425-3911

Community Planning Major

Community Planning Core 41-43 cr. hrs.

ESM 151 Introduction to Land Use Theory and Practice 3 cr.
ESM 220 Environmental Sustainability: Theory/Issues and Mgt 3 cr.
ESM 251 Community Decision-Making 3 cr.
ESM 270 Internship 1 2-4cr.
ESM 293 Community Analysis 3 cr.
ESM 303 Environmental Policies and Administration 3 cr.
ESM 305 Environmental Impact Assessment 2cr.
ESM 351 Planning for Sustainable Communities 3 cr.
ESM 333 Remote Sensing of Natural Resources 3 cr.
Or ESM 363 GIS Applications in Resource Management 3 cr.
Or GENG 265 Engineering Graphics 3 cr.
ESM 360 Hydrology and Water Quality 4 cr.
ESM 393 Comprehensive Planning 3 cr.
ESM 411 Site Planning and Development 4 cr.
ESM 435 Advanced Land Use Planning and Design 4 cr.
ESM 485 Seminar: Resource Management 1 cr.

Support Courses 15 cr. hrs.

GEOG 250 Intro to Cartography and GIS 3 cr.
SOIL 120 Introduction to Soil Science 3 cr.
GEOG 360 GIS: Theory and Methods 3 cr.
AGEC/ESM 445 Land Use and Sustainable Agriculture Law 3 cr.
ENGL 266 Business Writing 3 cr.
Or ENGL 367 Technical Writing 3 cr.

Directed Electives: 24 cr. hrs.

AFES 492
AGEC 230, 231, 250, 320, 345, 355, 440, 441, 450;
AGED 202;
AGEN 150, 240, 325, 333, 365, 425, 443;
ANTH 100, **205, 247, 348;**
BIOL 310, 314, 320, 323, 330, 333, 344, 350, 354, 355, 360, 434, 444;
CSTA 106, 207, 208, 211, 222, 306, 316, 318, 440;
ECON All;
ESM 109, 333, 343, 363, 377, 412;
FINC 335, 350;
GENG 121, 201, 235, 236, 265, 368;
GEOG All except **250, 360;**
GEOL 101, **269, 445, 446;**
HEAL 350;
HIST All;
HORT All;
INTS 200, **377;**
MATH 326, 356, 357;

General Education Requirements

As listed for **CAFES** with the following exceptions:
Ethical Citizenship: **ESM 105**
Sciences: **BIOL 150; CHEM 121**

Community Planning Minor

Department of Plant and Earth Science

324 Agricultural Science
(715) 425-3345
www.uwrf.edu/PES/

Donavon H. Taylor-Chair, William A. Anderson, William S. Cordua, Dennis R. Cosgrove, Holly A.S. Dolliver, Terry L. Ferriss, Veronica Justen, Michael C. Kaltenberg, Kerry L. Keen, David Keuhl, Michael D. Middleton, Loretta Ortiz-Ribbing, Eric M. Sanden, Brian R. Smith, Laine Vignona, Ian S. Williams, David C. Zlesak.

MNGT 150, 250, 310, 355;
MODL 377;
PHIL 303, 304;
POLS All;
SOCI All;
SOIL All except 120;
SOWK 150, 205, 215, 260, 300
General Electives: 6-8 cr. hrs.

The community planning major is designed for those students wishing to pursue a career in public or private planning, zoning, administration/management and sustainable development. The curriculum provides instruction in foundational planning principles and practices, as well as hands-on technical training. The course content focuses on planning issues at the rural/urban interface. It is an excellent major to combine with a wide variety of minors (e.g., cartography/GIS, business administration, political science, etc.) to develop a unique professional niche.

University of Wisconsin-River Falls
410 S. 3rd Street, River Falls WI 54022 USA
Campus Information (715) 425-3911

Community Planning Minor

Community Planning Minor: 23 Total Credits

Required Courses:

- ESM 151** Introduction to Land Use Theory and Practice 3 cr.
- ESM 251** Community Decision-Making 3 cr.
- ESM 293** Community Analysis 3 cr.
- ESM 393** Comprehensive Planning 3 cr.
- ESM 411** Site Planning and Development 4 cr.
- ESM 435** Advanced Land Use Planning and Design 4 cr.
- AGEC/ESM 445** Land Use and Sustainable Agriculture Law 3 cr.

Department of Plant and Earth Science

324 Agricultural Science **(715) 425-3345**

www.uwrf.edu/PES/

Donavon H. Taylor-Chair, William A. Anderson, William S. Cordua, Dennis R. Cosgrove, Holly A.S. Dolliver, Terry L. Ferriss, Veronica Justen, Michael C. Kaltenberg, Kerry L. Keen, David Keuhl, Michael D. Middleton, Loretta Ortiz-Ribbing, Eric M. Sanden, Brian R. Smith, Laine Vignona, Ian S. Williams, David C. Zlesak.

University of Wisconsin-River Falls
410 S. 3rd Street, River Falls WI 54022 USA
Campus Information (715) 425-3911

Computer Science and Information Systems Major

Computer Science Option: 55 Total Credits

This option has a technical and theoretical emphasis providing students with a comprehensive understanding of software engineering, computing techniques and the underlying theories. Graduates will develop skills relevant to the analysis, design and implementation of sophisticated software/hardware systems and communication networks.

Required Courses: 40 cr. hrs.

- CSIS 161 Programming I 3 cr.
- CSIS 162 Programming II 3 cr.
- CSIS 225 Web Development I 3 cr.
- CSIS 235 Object-Oriented Programming 3 cr.
- CSIS 237 Data Structure and Algorithm 3 cr.
- CSIS 247 Introduction to Computer Networks 3 cr.
- CSIS 248 Operating Systems Programming 3 cr.
- CSIS 333 Database Management Systems 3 cr.
- CSIS 343 Software Engineering and Capstone Project 3 cr.
- CSIS 355 Computer Organization and Assembly Language 3 cr.
- CSIS 425 Multi-Tier Web-Enabled Software Systems 3 cr.
- CSIS 429 Operating Systems 3 cr.
- CSIS 435 Computer and Information Security 3 cr.
- CSIS 484 Seminar (writing intensive) 1 cr.

Directed Electives: 6 cr. hrs.

To be selected from 200-400 level CSIS courses in consultation with adviser.

Required supporting courses: 9 cr. hrs.

- MATH 166 Calculus I 4 cr.
- MATH 236 Discrete Mathematics 4 cr.
- CBE 100 Orientation to CBE 0.5 cr.
- CBE 300 Professional Development 0.5 cr.

Information Systems Option: 53-54 Total Credits

The analysis and design of information systems with an emphasis on managing, storing, transmitting and providing ready access to information is the key to the IS option. Graduates will develop skills relevant to the analysis, design and implementation of sophisticated information systems.

Required Courses: 28 cr. hrs.

- CSIS 161 Programming I 3 cr.
- CSIS 162 Programming II 3 cr.
- CSIS 215 Information Systems for Business Management 3 cr.
- CSIS 235 Object-Oriented Programming 3 cr.

Department of Computer Science and Information Systems

124 South Hall
(715) 425-3335
www.uwrf.edu/CBE/

Hossein Najafi - Chair, Ahmad Abuhejleh, Charles Hurt, Arpan Jani, Anthony Varghese, Ellen Schultz-Academic advisor.

The vision of the College of Business and Economics is to be a community of choice and the regional leader in the acquisition, study, application and sharing of business, economics and information technology knowledge. Consistent with this vision, the college is accredited by the Association to Advance Collegiate Schools of Business (AACSB) International.

Admission Requirements

For all majors in the College of Business and Economics (CBE): Completion of at least 27 required general education credits with a minimum GPA of 2.25.

Additionally, the following must be completed, or in progress for completion, during the semester preceding admission. Students may register prior to acceptance, but acceptance is required for attendance in CBE upper-level courses. Students with Lower Division GPAs between 2.25 and 2.50 may petition to the Assistant Dean for consideration on a case-by-case basis.

For admission to the

CSIS 247 Introduction to Computer Networks 3 cr.
CSIS 333 Database Management Systems 3 cr.
CSIS 423 Introduction to System Analysis I 3 cr.
CSIS 433 Design Analysis MIS 3 cr.
CSIS 440 Information Systems Project Management 3 cr.
CSIS 484 Seminar (writing intensive) 1 cr.

Directed Electives: 6 cr. hrs.

Two courses to be selected from the following:

CSIS 225 Web Development I 3 cr.
CSIS 325 Web Development II 3 cr.
ECON 326 Statistical Methods for Economics and Business 3 cr.
MNGT 318 Operations Research 3 cr.
MNGT 350 Decision Making 3 cr.

Required supporting courses: 19-20 cr. hrs.

• **Business Domain: 12 cr. hrs.**

COMS 116 Business and Professional Communication 3 cr.
or ENGL 266 Business Writing 3 cr.
MNGT 300 Management and Organizational Behavior 3 cr.
One course from:
MNGT 320 Human Resource Management 3 cr.
or ACCT 231 Principles of Accounting I 3 cr.
or MNGT 361 Operations Management 3 cr.
MNGT 365 Business Process Management 3 cr.

• **Math: 6-7 cr. hrs.**

MATH 156 Calculus for Business and Social Sciences 3 cr.
or MATH 166 Calculus I 4 cr.
ECON 226 Introduction to Statistics 3 cr.
or MATH 226 Fundamentals of Statistics 3 cr.

• **CBE required courses for all majors: 1 cr. hr.**

CBE 100 Orientation to CBE 0.5 cr.
CBE 300 Professional Development 0.5 cr.

CSIS-Computer Science major:
GPA of 2.50 in CSIS 161, 162,
235 and CBE 100.

For admission to the
CSIS-Information Systems
major:
GPA of 2.50 in CSIS 161, 162,
215 and CBE 100.

University of Wisconsin-River Falls
410 S. 3rd Street, River Falls WI 54022 USA
Campus Information (715) 425-3911

Computer Science and Information Systems Minor

Computer Science Option: 24 Total Credits

Required courses 18 cr. hrs.

- CSIS 161 Programming I 3 cr.
- CSIS 162 Programming II 3 cr.
- CSIS 225 Web Development I 3 cr.
- CSIS 235 Object-Oriented Programming 3 cr.
- CSIS 247 Introduction to Computer Networks 3 cr.
- CSIS 333 Database Management Systems 3 cr.

Directed electives 6 cr. hrs.

To be selected from 200-400 CSIS courses in consultation with adviser.

Required supporting math courses: 8 cr. hrs.

- MATH 166 Calculus I 4 cr.
- MATH 236 Discrete Mathematics 4 cr.

Information Systems Option: 24 Total Credits

Required courses 18 cr. hrs.

- CSIS 161 Programming I 3 cr.
- CSIS 162 Programming II 3 cr.
- CSIS 215 Information Systems for Business Management 3 cr.
- CSIS 247 Introduction to Computer Networks 3 cr.
- CSIS 333 Database Management Systems 3 cr.
- CSIS 423 Introduction to Systems Analysis 3 cr.

Directed electives 6 cr. hrs.

Two courses to be selected from:

- CSIS 225 Web Development I 3 cr.
- CSIS 235 Object-Oriented Programming 3 cr.
- CSIS 325 Web Development II 3 cr.
- CSIS 433 Design Analysis MIS 3 cr.
- CSIS 440 Information Systems Project Management 3 cr.

Required supporting math courses: 6-7 cr. hrs.

- MATH 156 Calculus for Business and Social Sciences 3 cr.
or MATH 166 Calculus I 4 cr.
- ECON 226 Introduction to Statistics 3 cr.
or MATH 226 Fundamentals of Statistics 3 cr.

Department of Computer Science and Information Systems

124 South Hall
(715) 425-3335
www.uwrf.edu/CBE/

Hossein Najafi - Chair, Ahmad Abuhejleh, Charles Hurt, Arpan Jani, Anthony Varghese, Ellen Schultz-Academic adviser.

The vision of the College of Business and Economics is to be a community of choice and the regional leader in the acquisition, study, application and sharing of business, economics and information technology knowledge. Consistent with this vision, the college is accredited by the Association to Advance Collegiate Schools of Business (AACSB) International.

Conservation Major

Conservation Core 47-49 cr. hrs.

ESM 109 Introduction to Forestry 2 cr.
ESM 151 Introduction to Land Use Theory and Practice 3 cr.
ESM 220 Environmental Sustainability: Theory, Issues, and Management 3 cr.
ESM 270 Internship I 2-4 cr.
ESM 303 Environmental Policies and Administration 3 cr.
ESM 333 Remote Sensing of Natural Resources 3 cr.
ESM 343 Woodlot Management 3 cr.
ESM 360 Applied Hydrology and Water Quality 4 cr.
ESM 363 GIS Application in Resource Management 3 cr.
ESM 485 Seminar in Resource Management 1 cr.
SOIL 120 Introduction to Soil Science 3 cr.
SOIL 440 Soil and Water Conservation 4 cr.
AGEC 450 Introduction to Natural Resource Economics 3 cr.
BIOL 344 Wildlife Biology 4 cr.
BIOL 360 Ecology 3 cr.
BIOL 210 General Botany 3 cr.
or **BIOL 230** General Zoology

Required Supporting Courses 14 cr. hrs.

GEOG 250 Introduction to Cartography and GIS 3 cr.
ENGL 266 Business Writing or **ENGL 367** Technical Writing 3 cr.
AGEC 230 Agriculture Economics I 3 cr.
or **ECON 201** Principles of Microeconomics
CHEM 120 Introduction to General Chemistry 6 cr.
or **CHEM 121** General Chemistry 1 5cr.

Directed Electives: 11-13 cr. hrs.

ACCT 201, 231, 232; **AGEC** 320, 345; **AGED 202**; **AGEN** 325, 333, 365; **CROP** 345, 462; **ANSC** 231, 257, 260; **BIOL** 240, 310 320, 324, 330, 333, 350, 354, 355, 434, 444; **BLAW 265**; **CHEM** 122, 200, 230, 251, 256, 356, 452; **CJ 202**, 320, 322, 376, 430; **ECON** 202, 205; **ESM** 289, 300, 305, 307, 365, 370, 377, 411, 413, 435, 490; **FINC** 210, 345; **GENG 235**; **GEOG** 255, 360, 368, 450, 460; **GEOL** 202, 269, 327, 330, 417, 445; **HORT** 250, 452; **INTS 200**; **JOUR** 260, 265; **MATH** 147, 166; **MKTG 310**; **MNGT** 300, 430; **PE D** 201,202, 301, 371; **PHIL 303**; **PHYS** 151, 152; **POLS 355**; **PSYC 201**; **SOCI 245**; **SOIL** 311, 325, 350, 460; **ECON 226**, **MATH 226** or **ANSC 341**

General Electives: 6 cr. hrs.

General Education Requirements

As listed for CAFES with the following exceptions:
Ethical Citizenship: **ESM 105** required
Sciences: **GEOL 101** and **BIOL 150** required.

Department of Plant and Earth Science

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The Conservation major is designed to meet the academic needs of students interested in a career dealing with the management of our natural environment. The major has the flexibility to accommodate interests in general natural resource management, soil and water conservation, environmental education, forest or wildlife management, environmental regulations or law enforcement, and the like, depending on the students course selection of directed and general electives.

Catalog

Conservation Minor

Conservation Minor: 22 Total Credits

- ESM 105 Introduction to Environmental Studies 3 cr.
- ESM 109 Introduction to Forestry 2 cr.
- ESM 151 Introduction to Land Use Theory and Practice 3 cr.
- ESM 343 Woodlot Management 3 cr.
- ESM 360 Applied Hydrology and Water Quality 4 cr.
- SOIL 120 Introduction to Soil Science 3 cr.
- SOIL 440 Soil and Water Conservation 4 cr.

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Creative Writing Minor

Creative Writing Minor: 24 credits

Required Courses 12 credits

- *ENGL 251 Advanced Composition
- *ENGL 253 Introduction to Literary Studies
- ENGL 262 Creative Writing
- ENGL 482 Writing Seminar in Fiction and Poetry

*English majors may NOT double count ENGL 251 and 253 but must take additional appropriate courses.

Select one of the following to replace ENGL 251

- ENGL 361 Composition Theory
- ENGL 370 Writing Nonfiction
- ENGL 372 Writing Practicum
- JOUR 269 Feature Writing
- JOUR 360 Opinion Writing
- MARC 361 Advertising Methods
- THEA 334 Playwriting

Select one of the following to replace ENGL 253

- ENGL 230 International Short Fiction (g)
- ENGL 231 The Short Story
- ENGL 232 Contemporary Drama
- ENGL 233 Introduction to Poetry
- ENGL 234 Modern Novels
- ENGL 250 Literature for Children
- ENGL 355 Literature for Adolescents

Directed Electives 12 credits

Select two courses from the following

- ENGL 368 Writing Poetry
- ENGL 370 Writing Nonfiction
- ENGL 369 Writing Fiction
- ENGL 382 Writing Workshop Poetry & Prose

Select one genre course

- ENGL 230 International Short Fiction (g)
- ENGL 231 The Short Story
- ENGL 234 Modern Novels
- ENGL 232 Contemporary Drama
- ENGL 250 Literature for Children
- ENGL 233 Introduction to Poetry
- ENGL 355 Literature for Adolescents

Select one course from the following

- ART 235 Introduction to Black & White Photography
- ART 335 Studio: Photography

Department of English

245 Kleinpell Fine Arts

(715) 425-3537

www.uwrf.edu/ENGL/

Marshall Toman-Chair, Jennifer Brantley, David Furniss, Greta Gaard, Kathleen Hunzer, Annette Klomp, Steven Luebke, Mialisa Moline, Michelle Parkinson, Vladimir Pavlov, Kenneth Price, Joseph Rein, Catherine Ross-Stroud, Elizabeth Schneider-Rebozo

The Creative Writing minor is a preparation for writing for personal pleasure as well as for publication. This minor can be taken in combination with an English major; however, students should consult this handbook to plan substitutions for overlapping requirements. Students who choose the Creative Writing minor should plan their programs with Dr. Jennifer Brantley.

DFT 151 Broadcast Performance I
DFT 351 Broadcast Performance II
JOUR 240 Introduction to Visual Communication
JOUR 266 Photojournalism
JOUR 269 Feature Writing for Magazines and Newspapers
JOUR 360 Opinion Writing
THEA 223 Oral Interpretation of Literature
THEA 334 Playwriting

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Criminal Justice Minor

Criminal Justice Minor with Sociology Major

**Minor in Criminal Justice-Sociology Major: 24 Total Credits
Required Courses: 12 cr. hrs.**

SOCI 100 Introduction to Sociology
(counts 3 cr. hrs. in Gen. Ed.)
or **ANTH 100** Introduction to Anthropology
(counts 3 cr. hrs. in Gen. Ed.)
CJ 202 Introduction to Criminal Justice 3 cr.
CJ 320 Juvenile Delinquency 3 cr.
CJ 322 Criminology 3 cr.
CJ 430 Trends and Issues in Incarceration 3 cr.
or **CJ 435** Alternatives to Incarceration

Directed Electives: 12 cr. hrs.

CJ 376 Criminal Justice Certification Internship 6 cr.
or **CJ 379** Criminal Justice Internship 6-12 cr.

Choose 6 credits from the following courses:

In no case may a course be double counted for credit in both the CJ minor and Sociology major.

SOCI 218 Deviant Behavior 3 cr.
CJ 310 Gangs in the U.S. 3 cr.
CJ 360 White Collar Crime 3 cr.
SOCI 340 Sociology of Rural Life 3 cr.
SOCI 345 Sociology of Urban Life 3 cr.
SOCI 445 Power and Inequality 3 cr.
POLS 225 Introduction to Public Administration 3 cr.
POLS 253 State and Local Politics 3 cr.
POLS 354 Women and the Law 3 cr.
POLS 416 Constitutional Law 3 cr.

Criminal Justice Minor with Non-Sociology Major

Minor in Criminal Justice-Non-Sociology Major: 24 Total Credits

Required Courses: 18 cr. hrs.

SOCI 100 Introduction to Sociology
(counts 3 cr. in Gen. Ed.)
or **ANTH 100** Introduction to Anthropology
(counts 3 cr. in Gen. Ed.)
SOCI 200 Sociological Inquiry 3 cr.
CJ 202 Introduction to Criminal Justice 3 cr.
CJ 320 Juvenile Delinquency 3 cr.
CJ 322 Criminology 3 cr.
CJ 430 Trends and Issues in Incarceration 3 cr.
or **CJ 435** Alternatives to Incarceration
SOCI 445 Power and Inequality 3 cr.

Directed Electives: 6 cr. hrs.

Department of Sociology,
Anthropology, and Criminal
Justice

326 Kleinpell Fine Arts
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www.uwrf.edu/SOCI/

Edward Robins-Chair, Brian Copp,
Tricia Davis, Pao Lee, Timothy E.
Nissen, Rich Wallace

SOCI 208 Sociology of Diversity 3 cr.
SOCI 225 Sociology of Race and Ethnicity 3 cr.
or **ANTH 225** Sociology of Race and Ethnicity
SOCI 218 Deviant Behavior 3 cr.
SOCI 240 Social Problems 3 cr.
CJ 310 Gangs in the U.S. 3 cr.
SOCI 330 Social Organizations 3 cr.
CJ 376 Criminal Justice Certification Internship 6 cr.
CJ 379 Criminal Justice Internship 6-12 cr.
SOCI 410 Social Psychology 3 cr.

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Crops and Soils Major

Foundation Courses in Agriculture 12 cr. hrs.

CROP 161 Introduction to Plant Science 3 cr.

SOIL 120 Introduction to Soil Science 3 cr.

AGEC 230 Agricultural Economics I 3 cr.

Select one from:

AGEN 150 Agricultural and Environmental Engineering Technology 3 cr.

ANSC 111 Introduction to Animal Science 3 cr.

FDSC 110 The Science of Food 3 cr.

Major Requirements 64 Total Credits

Required Courses: 14 cr. hrs.

CROP 263 Forage Crop Production 3 cr.

CROP 266 Crop and Soybean Production 3 cr.

SOIL 311 Soil Fertility 4 cr.

SOIL 440 Soil and Water Conservation 4 cr.

Options (choose one):

Crop Science Option 41-43 cr. hrs.

CROP 257 Genetics 3 cr.

CROP 260 Plant and Seed Identification 2 cr.

CROP 345 Weed Control 3 cr.

CROP 410 Plant Breeding and Crop Improvement 3 cr.

CROP 435 Crop Physiology 4 cr.

CROP 451 Integrated Pest Management 3 cr.

CROP 485 Seminar in Agronomy 1 cr.

ANSC 341 Biometrics 3 cr.

AGBI 251 Agricultural Biochemistry 3 cr.

AGBI 252 Agricultural Biochemistry Laboratory Techniques 1 cr.

BIOL 314 Plant Pathology 3 cr.

BIOL 333 Entomology 3 cr.

CHEM 230 General Organic Chemistry 3 cr.

Select one course from the following:

AGEC 355 Agricultural Marketing and Production 3 cr.

AGEC 360 Farm Management 3 cr.

AGEC 365 Agricultural Finance 3 cr.

AGEC 410 Professional Selling 3 cr.

Directed Electives 8-18 cr. hrs.

(consult with crop science faculty for courses)

Soil Science Option 38-42 cr. hrs.

SOIL 325 Hydric Soils and Wetland Environments 3 cr.

SOIL 350 Pedology 4 cr.

SOIL 460 Soil Physics 3 cr.

CHEM 122 General Chemistry II 5 cr.

GEOL 102 Introductory Geology Lab 1 cr.

GEOL 327 Geomorphology and Glacial Geology 4 cr.

General Education Requirements

The following general education courses are required in the major: **MATH 146** or equivalent, **CHEM 121**, **ENGL 100**, **ENGL 200**, **BIOL 150**, **P ED 108**, as well as the student's choice of **CSTA 101** or **CSTA 116**.

University Requirements

Students must complete a three-credit course related to American Cultural Diversity (the University D requirement), as well as a three-credit course related to Global Perspectives (the University G requirement).

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Three options exist for students who select the Crop and Soil Science major: 1) Crop Science, 2) Soil Science, and 3) Sustainable Agriculture. The Crop Science option is designed for students who wish to focus their studies on plants and the use of plants for food, feed and

ESM 360 Applied Hydrology and Water Quality 4 cr.

ENGL 367 Technical Writing 3 cr.

CROP 485 Seminar in Agronomy 1 cr.

Select two courses from the following:

CROP 267 Small Grain and Miscellaneous Crop Production 3 cr.

CROP 345 Weed Control 3 cr.

CROP 363 Pasture Management 2 cr.

CROP 368 Sustainable Agriculture 3 cr.

CROP 435 Crop Physiology 4 cr.

CROP 451 Integrated Pest Management 3 cr.

ESM 305 Environmental Impact Assessment 2 cr.

ESM 412 Fate and Transport of Chemicals in the Environment 3 cr.

ESM 413 Environmental Analysis 4 cr.

GEOL 417 Hazardous Waste Operation and Emergency Response 2 cr.

GEOL 445 Hydrogeology 4 cr.

Select two courses from the following:

AGEN 363 Precision Agriculture Technology 3 cr.

ANSC 341 Biometrics 3 cr.

ESM 333 Remote Sensing of Natural Resources 3 cr.

ESM 363 GIS Applications in Resource Management 3 cr.

GENG 235 Surveying 3 cr.

GENG 236 Advanced Surveying 3 cr.

GEOG 250 Intro Cartography and GIS 3 cr.

GEOG 360 GIS: Theory and Methods 3 cr.

Sustainable Agriculture Option 45-48 cr. hrs.

ESM 105 Introduction to Environmental Studies 3 cr.

SOCI 340 Sociology of Rural Life 3 cr.

AGEC 250 World Food and Population 3 cr.

CROP 368 Sustainable Agriculture 3 cr.

ESM 220 Environmental Sustainability: Theories, Issues and Management 3 cr.

CROP 468 Organic Food Production Systems 3 cr.

CROP 451 Integrated Pest Management 3 cr.

CROP/HORT 222 Practicum in Community Gardening 3 cr.

or CROP 270 or HORT/ANSC/FDSC/AGEN 270 Internship 4 cr.

Select two courses of the following:

AGEN 325 Alternative Energy Systems 3 cr.

HORT 169 Introduction to Horticulture 3 cr.

HORT 327 Vegetable Science and Production 4 cr.

HORT 347 Fruit Science and Production 4 cr.

CROP 260 Plant and Seed Identification 2 cr.

CROP 363 Pasture Management 2 cr.

CROP 345 Weed Control 3 cr.

CROP 410 Plant Breeding and Crop Improvement 3 cr.

BIOL 314 Plant Pathology 3 cr.

BIOL 333 Entomology 3 cr.

ANSC/FDSC 238 Meat and Meat Products 3 cr.

FDSC 259 Cereal Technology 3 cr.

CROP/ANSC 257 Genetics 3 cr.

ANSC 231 Principles of Nutrition 3 cr.

ANSC 232 Applied Feeds and Feeding 3 cr.

ANSC 365 Poultry Production 3 cr.

ANSC 366 Swine Production 3 cr.

ANSC 367 Beef Production 3 cr.

ANSC 368 Sheep Production 3 cr.

fiber. Students learn about crop management, biotechnology, crop physiology, crop quality, as well as genetics and plant breeding. The Soil Science option is designed for those whose interests include the basic components and properties of soils, soil conservation, soil fertility, soil hydrology, and the management of soils to produce crops in a sustainable way. The Sustainable Agriculture option is the study of economically viable production systems that promote land productivity, energy efficiency, environmental stewardship, and rural community viability.

ANSC 369 Equine Production 3 cr

Select two courses of the following:

AGEC 240 Cooperatives 3 cr.

AGEC 355 Agricultural Marketing and Prices 3 cr.

AGEC 360 Farm Management 3 cr.

AGEC 361 Horticulture Business Management 3 cr.

AGEC 450 Introduction to Natural Resource Economics 3 cr.

AGEC 495 Direct Marketing 3 cr.

AGEC 410 Professional Selling 3 cr.

PHIL 304 Business Ethics 3 cr.

POLS 256 Public Policymaking 3 cr.

SOCI 245 Environmental Sociology 3 cr.

Select two courses of the following:

AGED 202 Leadership and Group Dynamics 3 cr.

ESM 151 Introduction to Land Use Theory and Practice 3 cr.

ESM 307 Multicultural Perspectives on the Environment 3 cr.

GEOG 120 Human Geography 3 cr.

GEOG 214 World Patterns of Plants and Animals 3 cr.

GEOG 220 Economic Geography 3 cr.

PHIL 240 Social Ethics 3 cr.

PHIL 303 Environmental Ethics 3 cr.

Electives 4-6 cr.

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Catalog

Crop Science Minor

Minor Requirements 24 Total Credits

Required Courses: 18 cr. hrs.

CROP 161 Introduction to Plant Science 3 cr.

CROP 260 Plant and Seed Identification 2 cr.

CROP 263 Forage Crop Production 3 cr.

CROP 266 Corn and Soybean Production (writing intensive) 3 cr.

SOIL 120 Introduction to Soil Science 3 cr.

SOIL 311 Soil Fertility 4 cr.

Directed Electives: 4 cr. hrs.

(consult with crop science faculty for courses)

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Dairy Science Major

Dairy Science Major: 63-65 Total Credits

Required Courses: 35 cr. hrs.

DASC 120 Orientation to Dairy Science 1 cr.

ANSC 231 Principles of Nutrition 3 cr.

ANSC 232 Applied Feeds and Feeding 3 cr.

ANSC 257 Genetics 3 cr.

ANSC 260 Animal Physiology 4 cr.

DASC 306 Dairy Production 3 cr.

ANSC 345 Animal Health 2 cr.

ANSC 346 Principles of Animal Breeding 3 cr.

DASC 404 Lactation and Milk Quality 3 cr.

DASC 406 Advanced Dairy Management 3 cr.

ANSC 433 Advanced Nutrition 3 cr.

or **DASC 436** Dairy Cattle Nutrition 3 cr.

ANSC 448 Reproductive Physiology 3 cr.

DASC 485 Seminar: Dairy Science 1 cr.

Select Management, Science, or Minor Option

Management Option 25 cr. hrs.

CHEM 230 General Organic Chemistry 3 cr.

AGBI 251 Agricultural Biochemistry 3 cr.

DASC 270 Internship I

or **DASC 370** Internship II 4 cr.

Choose two from:

AGEC 305 Agricultural Accounting 3 cr.

AGEC 345 Agricultural Law 3 cr.

AGEC 355 Agricultural Markets and Prices 3 cr.

AGEC 360 Farm Management 3 cr.

AGEC 365 Agricultural Finance 3 cr.

AFES 310 Agricultural Human Resource Management 3 cr.

Additional directed electives: 9 cr. hrs.

Students may select any combination of courses offered by Food Science, Agricultural Education, Agricultural Economics, Agricultural Engineering, Plant and Earth Science, Modern Language, or the College of Business and Economics. At least 6 credit hours must be earned from courses at the 200 level or higher.

Science Option 28-30 cr. hrs.

CHEM 122 General Chemistry II 5 cr.

CHEM 231 Organic Chemistry I 3 cr.

CHEM 236 Organic Chemistry Lab I 1 cr.

or **CHEM 246** Synthetic and Analytical Techniques in Organic Chemistry I 2 cr.

CHEM 232 Organic Chemistry II 3 cr.

CHEM 237 Organic Chemistry Lab II 1 cr.

or **CHEM 247** Synthetic and Analytical Techniques in Organic

General Education Requirements

As listed with the following exceptions:

CS (Communication/Speaking and Listening) designator:

CSTA 101 or **CSTA 116** is required

SL (Scientific Investigation) / S (Sciences) designator:

BIOL 150 is required

CHEM 120 or **CHEM 121** is required

Foundation Courses in Agriculture: 12 cr. hrs.

Required Foundation courses:

ANSC 111 Introduction to Animal Science 3 cr.

AGEC 230 Agricultural Economics I 3 cr.

Then select 2 from the following 4 courses:

AGEN 150 Introduction to Agricultural Engineering 3 cr.

CROP 161 Introduction to Plant Science

or **HORT 161** Introduction to Plant Science 3 cr.

FDSC 110 The Science of Food 3 cr.

SOIL 120 Introduction to Soil Science 3 cr.

Department of Animal and Food Science

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Gary Onan-Chair, Larry Baumann, Perry Clark, Dennis Cooper, Kari Ekenstedt, Michelle Farner, Kristina

Chemistry II 1 cr.
CHEM 361 Biochemistry I 3 cr.
MATH 147 College Algebra and Trigonometry 3 cr.
or **MATH 149** Precalculus 4 cr.
or **MATH 166** Calculus I 4 cr.
PHYS 151 General Physics
or **PHYS 161** General Physics 4 cr.
ANSC 341 Biometrics 3 cr.
BIOL 324 Microbiology 4 cr.

Choose one from the following:

ANSC 447 Endocrinology 2 cr.
BIOL 230 General Zoology 3 cr.
BIOL 240 Cell and Molecular Biology 3 cr.
CHEM 362 Biochemistry II 3 cr.
CHEM 461 Pharmacology 3 cr.
PHYS 152 General Physics II
or **PHYS 162** General Physics II 4 cr.

Minor Option 28-30 cr. hrs.

As an alternative to the Management or Science option, students can pair the Dairy Science major with an academic minor to develop a more in-depth understanding of a second area of interest.

Any minor of 22-24 credits or second major (other than Animal Science, Dairy Science, or Ag Studies).

In addition to the minor or second major the following two courses are required:

CHEM 230 General Organic Chemistry 3 cr.
AGBI 251 Agricultural Biochemistry 3 cr.

Hiney, Sylvia Kehoe, Steve Kelm,
Justin Luther, Nathan O'Connor, Peter
Rayne, Kurt Vogel, Bonnie Walters,
Steve Watters

The Department of Animal and Food Science offers three options for Dairy Science majors. Required core courses within the Dairy Science major are identical, regardless of option. Additional requirements are based on the choice of option. The Dairy Science-Management option is designed for students seeking careers in dairy farm management or supporting industries such as feed, pharmaceutical, or genetics sectors of the dairy industry. The Dairy Science-Science option is designed for students that plan to enroll in graduate or professional degree programs following completion of the Bachelor of Science degree. This option is strongly suggested for students that hope to enroll in a college of veterinary medicine at a future date. The Dairy Science-Minor option is designed for students who wish to supplement their education with an academic minor or second major.

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Dairy Science Minor

Dairy Science Minor 22 total cr. hrs.

Required courses: 18 cr. hrs.

ANSC 231 Principles of Nutrition 3 cr.

ANSC 232 Applied Feeds and Feeding 3 cr.

ANSC 257 Genetics 3 cr.

DASC 306 Dairy Production 3 cr.

Choose two from:

DASC 404 Lactation and Milk Quality 3 cr.

DASC 406 Advanced Dairy Management 3 cr.

DASC 436 Dairy Cattle Nutrition 3 cr.

Directed Electives: 4-6 cr. hrs.

Choose 1-3 courses from all courses in **DASC**, **ANSC**, **AGBI**, or **FDSC** except the following: courses numbered lower than the 200 level; more than one evaluation or independent study course-DASC 210, 310, 490, ANSC 211, 311, 313, 490, FDSC 490

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Dairy Science Certification

Dairy Science Two-Year Certificate: 60 total cr. hr.

General education requirements: 25-26 cr. hrs.

BIOL 150 General Biology 3 cr.

CHEM 120 Introduction to General Chemistry 6 cr.

or **CHEM 121** General Chemistry I 5 cr.

ENGL 100 Academic Reading and Writing 3 cr.

ENGL 200 Investigating Ideas: Reading, Writing, and the Disciplines 3 cr.

ESM 105 Introduction to Environmental Studies 3 cr.

MATH 146 College Algebra 3 cr.

P ED 108 Health and Fitness for Life 1 cr.

P E (Select two 0.5 cr. activities courses) 1 cr.

CSTA 101 Fundamentals of Oral Communication 3 cr.

Dairy Science requirements: 30 cr. hrs.

ANSC 111 Introduction to Animal Science 3 cr.

ANSC 231 Principles of Nutrition 3 cr.

ANSC 232 Applied Feeds and Feeding 3 cr.

ANSC 257 Genetics 3 cr.

ANSC 345 Animal Health 2 cr.

DASC 120 Orientation to Dairy Science 1 cr.

DASC 306 Dairy Production 3 cr.

CAFES Electives: 12 cr. hrs.

General Electives: 4-5 cr. hrs.

Department of Animal and Food Science

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Steven Kelm-Chair, Larry Baumann, Dennis Cooper, Thomas Goerke, Kristina Hiney, Anthony Jilek, Sylvia Kehoe, Ranee May, Nathan O'Connor, Gary Onan, Peter Rayne, Purnendu C. Vasavada, Bonnie Walters, Steve Watters

University of Wisconsin-River Falls
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Dance Education Minor

Minor Requirements

22-24 Total Credits

Required Courses 22-24 cr. hrs.

- CSTA 333** Stage Lighting 3 cr.
- DANC 100** History/Appreciation of Dance 3 cr.
- DANC 107** Social Dance .5 cr.
- DANC 110** Basic Jazz Dance .5 cr.
- DANC 120** Fund. of Movement Through Dance 1 cr.
- DANC 150** Dance Improvisation 1 cr.
- DANC 221** Modern Dance II 1cr.
- DANC 224** Ballet I 1 cr.
- DANC 226** Ballet II 1 cr.
- DANC 250** Dance Composition 2 cr.
- DANC 257** Rhythms 2 cr.
- DANC 260** Dance Repertory 1-3 cr.
- DANC 362** Dance for the Elementary School 2 cr.
- HEAL 262** Human Anatomy and Physiology 3 cr.

Health and Human Performance Department

111 Karges Center

(715) 425-3705

www.uwrf.edu/hhp/

Chair-Ken Ecker, Debra Allyn, Jeff Berkhof, Greg Bower, Aaron Decker, Gary Eloranta, Patti Ford, Steve Freeman, Stacy Furness, James Gostomski, Cindy Holbrook, Joe O'Kroy, Faye Perkins, Robert Ritzer, Paul Shirilla, Matt Walker, Karla Zhe

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Digital Film and Television Minor

24 Total Credits

Required Courses: 21 cr. hrs.

DFT 151 Broadcast Performance 3 cr.

DFT 160 Studio Production 3 cr.

DFT 260 Electronic Field Production 3 cr.

DFT 160 is pre-requisite

DFT 301 History of Film 3 cr.

DFT 310 Media Literacy-A Weapon Against Propaganda 3 cr.

DFT 360 Corporate Electronic Communication 3 cr.

DFT 151, 260 are prerequisites

DFT 458 Broadcast Programming and Criticism 3 cr.

Choose one from the following: 3 cr. hrs.

DFT 261 Electronic Media Copy Writing 3 cr.

JOUR 245 Writing for Film and Television 3 cr.

Department of Communication Studies and Theatre Arts

B-24 Kleinpell Fine Arts

(715) 425-3971

www.uwrf.edu/CSTA

Robin Murray-Chair, Kenneth
Stofferahn, Barbara L. Werner,
Jennifer Willis-Rivera, James
Zimmerman, Grace Coggio
Adjuncts: Denise Baker, Lawrence
Bennett, Sean Dooley, Eric
Eberhardt, Erik Johnson, Beverly
Larsen, Sean Larson, Kathleen
Olsen, Angela Siwik, Michelle Ulland

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Early Childhood Certification

Early Childhood Certification Program

Prerequisites to entering the minor sequence:

TED 211 Educational Psychology: Elementary Ed (writing intensive) 5 cr.

Completion of 30 credits

Required Courses: 23 cr. hrs.

TED 225 Developmental Learning Experiences of Young Children 3 cr.

TED 225 is a prerequisite for all other Early Childhood courses:

TED 330 Infant Toddler Programs 3 cr.

TED 335 Kindergarten Curriculum and Materials 3 cr.

TED 340 Pre-Kindergarten Curriculum 3 cr.

TED 345 Parent Education and Family Development 3 cr.

TED 400 Supervision and Management Early Childhood Program 2 cr.

TED 405 Special Needs Child: Early Childhood Classroom 3 cr.

TED 410 Early Childhood Language Arts 3 cr.

Student Teaching Requirement: 10 cr.

TED 471 Student Teaching: Pre-kindergarten/Kindergarten (Co-/Prerequisite TED 400)

Early Childhood Certification

Department of Teacher Education (TED)

257 Walker Wyman Education
www.uwrf.edu/TED/

Teri Crotty-Chair, Program Coordinator-Gayle Ward, Tim Holleran, Angela Kaiser, Teresa Kruizenga, Michael Miller, Florence Monsour, David Pepi, Margaret Phinney, Geoffrey Scheurman, José E. Vega

UW-River Falls offers a program in Early Childhood through Middle Childhood for students who are elementary majors with an early childhood minor, which meets certification requirements to teach Early Childhood through Middle Childhood - Regular Education. In addition to providing further enrichment in techniques for instruction in the primary grades, this minor and certification increases the range of potential employment for an elementary education major. Those who may seek employment in existing day care centers, nursery schools, child and family education programs, or those intending to start their own private pre-school, should investigate the opportunities opened via an early childhood minor.

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Early Childhood

Early Childhood Major

Early childhood major courses typically completed as part of Associate's degree:

- TED 211 Educational Psychology
- TED 225 Developmental Learning Experiences of Young Children
- TED 330 Infant and Toddler Programs
- TED 332 Pre-Kindergarten Curriculum
- TED 345 Parent Education and Family Development
- TED 400 Supervision and Management of Early Childhood Programs
- TED 405 Early Childhood Special Needs
- TED 410 Early Childhood Language Arts

Additional UWRF early childhood major courses, 59 cr.:

- MUS 275** Music and Art for Early Learners 3 cr.*
- P ED 246** Health and Movement Activities for Children 3 cr.
- TED 155** Intro to Tech Integration and the Reflective Multimedia 2 cr.
- TED 255** Children's Literature for Elementary Education 3 cr.
- TED 321** Early Childhood Integrated Reading and Language Arts I 3 cr.*
- TED 322** Early Childhood Integrated Reading and Language Arts II 3 cr.*
- TED 323** Content and Techniques of K-3 Mathematics I 3 cr.*
- TED 324** Content & Techniques of K-3 Mathematics II 3 cr.*
- TED 325** Diversity in Early Childhood Settings 3 cr.*
- TED 326** Place-Based Environmental Science for Early Childhood Educators 3 cr.
- TED 335** Kindergarten Curriculum and Materials 3 cr.*
- TED 350** Pre-K – Early Elementary Learning Challenges 5 cr.*
- TED 409** English Language Learners in Early Childhood 2 cr.*
- TED 411** Leadership and Advocacy for Young Children 3 cr.
- TED 424** Inquiry Learning: Society and Environment for Early Elementary 3 cr.*
- TED 451** Integrating Alternative Methodologies of Early Childhood Education 2 cr.
- TED 480** Early Childhood Student Teaching 12 cr.

*For these classes, field experience in an elementary school will be required.

Department of Teacher Education

257 Walker Wyman Education

(715) 425-3230

www.uwrf.edu/TED/

Teri Crotty-Chair, Molly Gerrish, Tim Holleran, Hsing-Wen Hu, Angela Kaiser, Teresa Kruienza, Michael Miller, Florence Monsour, David Pepi, Margaret Phinney, Hilary Pollack, Geoffrey Scheurman, Genella Stubrud, Jose E. Vega, Gay Ward, Brenda Wright, Mary Wright

Early Childhood Transition to Degree

In the **Early Childhood Transition to Degree Program**, individuals with an associate's degree in early childhood education or child development may apply credits and field experience hours earned toward the Bachelor of Science degree at UWRF and Wisconsin early childhood teaching certification (birth to age 8).

Classes are offered using distance learning technology and on evenings and weekends.

Admission to Teacher Education is required.

Contact:

Angela Whitaker

[Website](#)

[Email](#) ✉ or 715-425-3557

Earth Science Minor

Earth Science Minor **Requirements: 21 Total Credits**

Required Courses 16 cr. hrs.

- GEOL 102** Introductory Geology Lab 1
- GEOL 150** Historical Geology 4
- GEOL 202** Oceanography 3
- GEOL 269** Environmental Geology (writing intensive) 3
- GEOL 330** Meteorology 2
- PHYS 117** Introductory Astronomy 3

Electives 5 cr. hrs.

Select from 200 level or above Geology courses

Department of Plant and Earth Science

**324 Agricultural Science
(715) 425-3345**

www.uwrf.edu/PES/

Donavon H. Taylor-Chair, William A. Anderson, William S. Cordua, Dennis R. Cosgrove, Holly A.S. Dolliver, Terry L. Ferriss, Veronica Justen, Michael C. Kaltenberg, Kerry L. Keen, David Keuhl, Michael D. Middleton, Loretta Ortiz-Ribbing, Eric M. Sanden, Brian R. Smith, Laine Vignona, Ian S. Williams, David C. Zlesak.

University of Wisconsin-River Falls
410 S. 3rd Street, River Falls WI 54022 USA
Campus Information (715) 425-3911

Economics Major

Major Requirements 42-44 Total Credits

OPTION A: College of Business and Economics

OPTION B: College of Arts and Sciences (Liberal Arts)

Required Courses: 21 cr. hrs.

ECON 201 Principles of Microeconomics 3 cr.

ECON 202 Principles of Macroeconomics 3 cr.

ECON 226 Introduction to Statistics

or **MATH 226** Fundamentals of Statistics 3 cr.

or equivalent upon Chair's approval

ECON 301 Intermediate Microeconomics 3 cr.

ECON 302 Intermediate Macroeconomics 3 cr.

ECON 326 Statistics for Economics and Business 3 cr.

ECON 480 Senior Seminar (writing intensive) 3 cr.

Elective Courses*: 18 cr. hrs.

Choose 18 credits from the following categories with at most nine credits from the disciplines outside the area of Economics:

- Elective courses in the area of Economics: **ECON 305, 312, 316, 324, 328, 329, 332, 334, 338, 340, 342, 344, 362, 378, 379, 426, 489, 499**
- Elective courses outside the area of Economics: **ACCT 232, 321, 322, 356; BLAW 265, 266; CBE 370** (limited to one 3-credit study tour); **CSIS 161, 162, 215, 225; FINC 345, 347, 348, 446; MNGT 300, 318, 320, 330, 340, 350, 355, 361, 430; MKTG 310, 312, 355, 365, 445; AGECE 355, 450; GEOG 220, 237; MATH 236, 256, 266, 316, 326, 327, 331, 356, 357, 366, 367, 371, 431, 456; PHIL 304; POLS 212, 230, 245, 369; or PSYC 250, 265.**

*Some elective courses may have prerequisites

OPTION A - Required Supporting Courses: 4-5 cr. hrs.

CBE 100 Orientation to CBE 0.5 cr.

CBE 300 Professional Development 0.5 cr.

ECON 205 Quantitative Analysis

or **MATH 156** or **MATH 166** 3-4 cr.

OPTION B - Required Supporting Course: 3-4 cr. hrs.

ECON 205 Quantitative Analysis

or **MATH 156** or **MATH 166** 3-4 cr.

Department of Economics

124 South Hall

(715) 425-3335

www.uwrf.edu/CBE/

Hamid Tabesh—Chair, Jackie Brux, Hossein Eftekari, Logan Kelly, Pascal Ngoboka, Glenn Potts, Susan K. Rogers, Brian Schultz, John Walker, Ellen Schultz—Academic Adviser.

The vision of the College of Business and Economics is to be a community of choice and the regional leader in the acquisition, study, application and sharing of business, economics and information technology knowledge. Consistent with this vision, the college is accredited by the Association to Advance Collegiate Schools of Business (AACSB) International.

Admission Requirements

For all majors in the College of Business and Economics (CBE): Completion of at least 27 required general education credits with a minimum GPA of 2.25.

Additionally, the following must be completed, or in progress for completion, during the semester preceding admission. Students may register prior to acceptance, but acceptance is required for attendance in CBE upper-level courses. Students with Lower Division GPAs between 2.25 and 2.50 may petition the Assistant Dean for consideration on a case-by-case basis.

For admission to the Economics major:
GPA of 2.50 in **ECON 201, ECON**

202, ECON 205; ENGL 100 and
ENGL 200; CBE 100

University of Wisconsin-River Falls
410 S. 3rd Street, River Falls WI 54022 USA
Campus Information (715) 425-3911

Economics Minor

Minor Requirements 24-25 Total Credits

Liberal Arts Option

Required Courses: 15-16 cr. hrs.

ECON 201 Principles of Microeconomics 3 cr.

ECON 202 Principles of Macroeconomics 3 cr.

ECON 205 Quantitative Analysis
or **MATH 156** or **MATH 166** 3-4 cr.

ECON 301 Intermediate Microeconomics 3 cr.

ECON 302 Intermediate Macroeconomics 3 cr.

Elective Courses*: 9 cr. hrs.

Choose nine credits from the following categories with at most three credits from the disciplines outside the area of Economics:

- Elective courses in the area of Economics: **ECON 305, 312, 316, 324, 328, 329, 332, 334, 338, 340, 342, 344, 362, 378, 426, 489, 499**
- Elective courses outside the area of Economics: **ACCT 232, 321, 322, 356; BLAW 265, 266; CBE 370** (limited to one 3-credit study tour); **CSIS 161, 162, 215, 225; FINC 345, 347, 348, 446; MNGT 300, 318, 320, 330, 340, 350, 355, 361, 430; MKTG 310, 312, 355, 365, 445; AGEC 355, 450; GEOG 220, 237; MATH 236, 256, 266, 316, 326, 327, 331, 356, 357, 366, 367, 371, 431, 456; PHIL 304; POLS 212, 230, 245, 369; or PSYC 250, 265.**

*Some elective courses may have prerequisites

Education Option

Required Courses: 6 cr. hrs.

ECON 201 Principles of Microeconomics 3 cr.

ECON 202 Principles of Macroeconomics 3 cr.

Electives in Economics: 18 cr. hrs.

Choose from:

ECON 305 Money and Banking 3 cr.

ECON 312 Political Economy of Discrimination 3 cr.

ECON 316 Managerial Economics 3 cr.

ECON 324 Labor Economics 3 cr.

ECON 328 Domestic Topics in Third World Economic Development 3 cr.

ECON 329 Global Topics in Third World Economic Development 3 cr.

ECON 332 Public Finance 3 cr.

ECON 334 Public Regulation 3 cr.

ECON 340 Contemporary International Trade 3 cr.

ECON 342 International Finance 3 cr.

Department of Economics

124 South Hall

(715) 425-3335

www.uwrf.edu/CBE/

Hamid Tabesh—Chair, Jackie Brux,
Hossein Eftekari, Logan Kelly,
Pascal Ngoboka, Glenn Potts,
Susan K. Rogers, Brian Schultz,
John Walker, Ellen Schultz-
Academic Adviser.

ECON 344 Comparative Economic Systems 3 cr.
ECON 362 History of Economic Thought 3 cr.
ECON 378 Semester Abroad Research 3 cr.
ECON 379 Internship 2-6 cr.
ECON 389 Special Topics in Economics 1-3 cr.
ECON 426 Forecasting and Econometrics 3 cr.
ECON 450 Introduction to Natural Resources Economics 3 cr.
ECON 489 Special Topics: Economics 1-3 cr.

University of Wisconsin-River Falls
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Elementary Education Major

Elementary Education Major: 46 Total Credits

TED 155 Intro to Tech Integration and the Reflective Multimedia 2 cr.

TED 211 Educational Psychology: Elementary Ed (writing intensive) 5 cr.

TED 420 School and Society (writing intensive) 3 cr.

TED 310 Techniques in Elementary Education: Language Arts 4 cr.

TED 311 Techniques in Elementary Education: Social Studies 4 cr.

TED 312 Techniques in Elementary Education: Science 4 cr.

TED 315 Techniques in Elementary Education: Mathematics 4 cr.

TED 316 Developmental Reading 4 cr.

TED 317 Reading Practicum 4 cr.

TED 472 Student Teaching: Elementary Education 12 cr.

Required Courses: 25 cr. hrs.

TED 252 Foundations of Multicultural Education 3 cr.

TED 255 Children's Literature for Elementary Education
or **ENGL 250** Literature for Children 3 cr.

ART 250 Child Art 2 cr.

ESM 300 Environmental Education 3 cr.

HEAL 361 Methods and Materials in Health for the Elementary Teacher 3 cr.

MATH 247 Mathematics for Elementary Teachers II 4 cr.

MUS 350 Music for Elementary Teachers 2 cr.

P ED 326 Techniques in Physical Education for the Elementary School Teacher 2 cr.

SPED 330 The Exceptional Child 3 cr.

Minor Areas: Elementary education majors must select a minor which meets two criteria:

- 1) it must be a certifiable curriculum area, and
- 2) it must be an important subject taught in elementary schools.

Minors recommended for the Elementary Education Major by the Wisconsin Department of Public Instruction include:

Early Childhood
Health Education
Language Arts/Reading Science
General Science
Mathematics
Modern Language
Social Studies
Speech Communication
Teaching English as a Second Language

Other acceptable minors are:

Anthropology
Biology
Chemistry
Coaching/Athletics

Admission to Teacher Education is required the semester prior to enrolling in the Block courses. See the Degree Requirements by College for a complete list of requirements for admission.

The techniques blocks give students the opportunity to spend three days per week, for two semesters in public schools with this innovative instructional program. The Blocks consist of the following courses:
Block I: TED 312 (science), 315 (math), 317 (reading) 12 cr. hrs.
Block II: TED 310 (language arts), 311 (social studies), 316 (reading) 12 cr. hrs.

Department of Teacher Education

257 Walker Wyman Education

(715) 425-3230
www.uwrf.edu/TED/

Teri Crotty-Chair, Molly Gerrish, Tim Holleran, Hsing-Wen Hu, Angela Kaiser, Teresa Kruienza, Michael Miller, Florence Monsour, David Pepi, Margaret Phinney, Hilary Pollack, Geoffrey Scheurman, Genella Stubrud, Jose E. Vega, Gay Ward, Brenda Wright, Mary Wright

The four-year curriculum is designed to prepare a student for a bachelor's degree in Elementary Education. The program consists of a minimum of 132 semester hours that give students a broad general education, professional preparation for effective teaching at the elementary education level, and special

Communicative Disorders
Dance
Earth Science
Economics
English
Geography
History
Journalism
Philosophy
Physics
Political Science
Psychology
Sociology

preparation in an academic minor.
Upon completion of these requirements, the elementary education major is licensable in Wisconsin to teach Middle Childhood - Early Adolescence, Regular Education. The addition of the Early Childhood minor meets requirements for an Early Childhood through Middle Childhood, Regular Education license in the state of Wisconsin.

University of Wisconsin-River Falls
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English Major

English Major

Literature Emphasis - Liberal Arts: 33 Total Credits

Required Courses: 27 cr. hrs.

ENGL 251 Advanced Composition 3 cr.

ENGL 253 Introduction to Literary Studies 3 cr.

ENGL 324 Survey of American Lit. I, Origins to 1900 (writing intensive) 3 cr.

ENGL 325 Survey of American Lit. II, 1900-1980 (writing intensive) 3 cr.

ENGL 331 Survey of English Lit. I, to 1800 (writing intensive) 3 cr.

ENGL 332 Survey of English Lit. II, 1800-Present (writing intensive) 3 cr.

ENGL 335 Shakespeare 3 cr.

ENGL 444 Major Authors 3 cr.

A second period course in British literature may replace one of the British survey courses, or a second period course in American literature may replace one of the American survey courses. At least three survey courses must be taken.

Directed Electives: 9 cr. hrs.

Select one genre, sub-genre, or diversity literature course: 3 cr. hrs.

ENGL 202 Literature of Science Fiction 3 cr.

ENGL 203 Literature of the African-American Experience 3 cr.

ENGL 207 Literature of the Asian-American Experience 3 cr.

ENGL 212 The Native American in Literature 3 cr.

ENGL 214 Women in Literature 3 cr.

ENGL 222 Literature of Fantasy 3 cr.

ENGL 226 Detective Fiction 3 cr.

ENGL 230 International Short Fiction (g)

ENGL 231 The Short Story 3 cr.

ENGL 232 Contemporary Drama 3 cr.

ENGL 233 Introduction to Poetry 3 cr.

ENGL 234 Modern Novels 3 cr.

ENGL 235 American Autobiography 3 cr.

ENGL 300 Women and Film 3 cr.

ENGL 307, Ethnic Film, Literature, and Culture 3 cr.

ENGL 343 The Novel and Film Adaptations 3 cr.

ENGL 443 American Ethnic Women Writers 3 cr.

Select one period course, English, American or International 3 cr. hrs.

ENGL 341 European Literature (19th Century) 3 cr.

ENGL 422 Elizabethan & Jacobean Drama

ENGL 423 17th Century Prose & Poetry

ENGL 426 Victorian Literature 3 cr.

ENGL 427 Modern British Literature: 1890-1940 3 cr.

ENGL 428 Modern British Literature: 1940-Present 3 cr.

ENGL 429 American Renaissance 3 cr.

General Education Requirements

ENGL 106 must be taken for the Humanities and Fine Arts requirement for ALL English majors and minors, including the Language Arts/Reading minor. It is strongly suggested for TESOL majors and minors.

Education majors must do:
Humanities and Fine Arts: 9 cr. hrs., including **ENGL 106**
Literature: Intro Fiction, Poetry, and Drama 3 cr. hr. and
CSTA 105 Introduction to Theatre and Drama. 3 cr. hr.
Social and Behavioral Sciences: 9 cr. hrs.

In addition to **POLS 114** and **PSYC 101**, choose one of the following courses, which also satisfies the cultural diversity requirement for certification: **ENGL 203, 207, 212, 214, 235, 307, 385, or 443.**

English Degrees Available

Department of English

245 Kleinpell Fine Arts
(715) 425-3537
www.uwrf.edu/ENGL/

Marshall Toman-Chair, Jennifer Brantley, David Furniss, Greta Gaard, Kathleen Hunzer, Annette Klemp, Steven Luebke, Mialisa Moline, Michelle Parkinson, Vladimir Pavlov, Kenneth Price, Joseph Rein, Catherine Ross-Stroud, Elizabeth Schneider-Rebozo

ENGL 430 American Realism 3 cr.
ENGL 431 Modern American Fiction 3 cr.
ENGL 432 Contemporary American Literature 3 cr.
ENGL 441 Twentieth-Century International Literature 3 cr.
Select one English course at the 300-/400 level 3 cr. hrs.
Free Elective: 3 cr. hrs.

English Major

Creative Writing Emphasis-Liberal Arts: 36 Total Credits

Required Courses: 18 cr. hrs.

Writing Component 9 cr. hrs.

ENGL 262 Creative Writing 3 cr.
ENGL 382* Writing Workshop in Prose and Poetry 3 cr.
ENGL 482 Writing Seminar in Fiction and Poetry 1-3 cr.
*ENGL 382 may be taken again, under 1B below.

Directed Electives in Writing 9 cr. hrs.

(At least 6 of the credits must be from ENGL 368, 369, or 370)

ENGL 368 Writing Poetry 3 cr.
ENGL 369 Writing Fiction 3 cr.
ENGL 370 Writing Nonfiction 3 cr.
ENGL 382 Writing Workshop in Prose and Poetry 3 cr.

Coursework Outside Creative Writing: 18 cr. hrs.

Required Courses: 12 cr. hrs.

ENGL 251 Advanced Composition 3 cr.
ENGL 253 Introduction to Literary Studies 3 cr.
ENGL 321 English Language: History and Culture 3 cr.
ENGL 331 Survey of English Literature I: to 1800 3 cr.

Directed Electives in Literature 6 cr. hrs.

Choose one course from Modern/Contemporary Period 3 cr. hrs.

ENGL 325 Survey of American Literature II 3 cr.
ENGL 332 Survey of English Literature II 3 cr.
ENGL 432 Contemporary American Literature 3 cr.
ENGL 444 Major Authors 3 cr.

Genre Courses (preferably in area of specialization) 3 cr. hrs.

ENGL 202 Literature of Science Fiction 3 cr.
ENGL 222 Literature of Fantasy 3 cr.
ENGL 226 Detective Fiction 3 cr.
ENGL 230 International Short Fiction (g)
ENGL 231 The Short Story 3 cr.
ENGL 232 Contemporary Drama 3 cr.
ENGL 233 Introduction to Poetry 3 cr.
ENGL 234 Modern Novels 3 cr.
ENGL 235 American Autobiography 3 cr.
ENGL 250 Children's Literature 3 cr.
ENGL 342 Developments in the Novel 3 cr.
ENGL 355 Literature for Adolescents 3 cr.

English Major

Professional Writing Emphasis-Liberal Arts: 36 Total Credits

Required Courses 24 credits

ENGL 251 Advanced Composition 3 cr.

ENGL 266 Business Writing 3 cr.
ENGL 270 Visual Rhetoric: Document Design and Graphics 3 cr.
ENGL 362 Introduction to Rhetorical Studies 3 cr.
ENGL 367 Technical Writing 3 cr.
ENGL 374 Cyberliteracy and Writing on the Web 3 cr.
ENGL 387 Technical and Professional Editing 3 cr.
ENGL 389 Special Topics: Writing Seminar in Professional Writing 3 cr.

Directed Electives in Writing: 9 credits, choose three

ENGL 262 Creative Writing 3 cr.
ENGL 366 Advanced Technical Writing 3 cr.
ENGL 370 Writing Nonfiction 3 cr.
ENGL 371 Proposal Writing: Change Through Rhetoric 3 cr.
ENGL 372 Practicum: Peer Tutoring and Writing Instruction 3 cr.
ENGL 379 Internship 2-3 cr.
ENGL 389 Topics course in Rhetoric (Environmental Rhetoric, Contemporary Rhetoric) 3 cr.
JOUR 269 Feature Writing for Magazines and Newspapers 3 cr.
JOUR 360 Opinion Writing 3 cr.
JOUR/MARC 370 Public Relations Principles 3 cr.
ART 225 Advertising Design I 3 cr.

Directed Electives in Language: 3 credits, choose one

COMS 311 Persuasion 3 cr.
ENGL 320 Structure of English 3 cr.
ENGL 321 English Language: History and Culture 3 cr.
ENGL 324 Survey of American Lit. I, Origins to 1900 (writing intensive) 3 cr.
ENGL 325 Survey of American Lit. II, 1900-1980 (writing intensive) 3 cr.
ENGL 331 Survey of English Lit. I, to 1800 (writing intensive) 3 cr.
ENGL 332 Survey of English Lit. II, 1800-Present (writing intensive) 3 cr.

English Major- Education

Professional Courses: 36 cr. hrs.

ENGL 252 Multicultural Education 3 cr.
TED 120 Introduction to Education and Instructional Technology 3 cr.
TED 212 Educational Psychology (writing intensive) 5 cr.
TED 420 School and Society (admission to teacher education required) 3 cr.
TED 422 Content Area Literacy in Middle and Secondary School 3 cr.
TED 432 Techniques of Middle/Secondary Education: English 3 cr.
Secondary certification in the major discipline only; for certification in the minor as well, techniques must be taken in that discipline for an additional 3 credits, for a total of 39.
SPED 330 Exceptional Child 3 cr.
TED 414 Transescent Development, Middle School Methods 4 cr.
TED 473 Student Teaching: Middle Level. 6 cr.
Required for Middle School certification.
TED 474 Student Teaching: Secondary 6 cr.

Major Requirements: English-Education 39 cr. hrs.

Required Courses: 36 cr. hrs.

- ENGL 251 Advanced Composition 3 cr.
 - ENGL 253 Introduction to Literary Studies 3 cr.
 - ENGL 320 Structure of English 3 cr.
 - ENGL 321 English Language: History and Culture 3 cr.
 - *ENGL 324 Survey of American Lit. I, Origins to 1900 (writing intensive) 3 cr.
 - *ENGL 325 Survey of American Lit. II, 1900-1980 (writing intensive) 3 cr.
 - *ENGL 331 Survey of English Lit. I, to 1800 (writing intensive) 3 cr.
 - *ENGL 332 Survey of English Lit. II, 1800-Present (writing intensive) 3 cr.
 - ENGL 335 Shakespeare 3 cr.
 - ENGL 355 Literature for Adolescents 3 cr.
 - ENGL 361 Composition Theory 3 cr.
 - ENGL 441 Twentieth-Century International Literature 3 cr.
- *One of these survey courses may be replaced by a second period course of the same national (British or American) literature included in the list below.

Directed Electives: 3 cr. hrs.

- Select one period course English or American
- ENGL 341 European Literature (19th Century) 3 cr.
 - ENGL 426 Victorian Literature 3 cr.
 - ENGL 427 Modern British Literature: 1890-1940 3 cr.
 - ENGL 428 Modern British Literature: 1940-Present 3 cr.
 - ENGL 429 American Renaissance 3 cr.
 - ENGL 430 American Realism 3 cr.
 - ENGL 431 Modern American Fiction 3 cr.
 - ENGL 432 Contemporary American Literature 3 cr.

Broad Area English Education Major

**Broad Area English Education Major: 66 Total Credits
(6 credits can be double-counted in General Education)**

1. Required Courses: 36 cr. hrs.

- ENGL 251 Advanced Composition 3 cr.
 - ENGL 253 Introduction to Literary Studies 3 cr.
 - ENGL 320 Structure of English 3 cr.
 - *ENGL 324 Survey of American Lit. I, Origins to 1900 3 cr.
 - *ENGL 325 Survey of American Lit. II, 1900-1980 3 cr.
 - *ENGL 331 Survey of English Lit I, to 1800 3 cr.
 - *ENGL 332 Survey of English Lit. II, 1800-Present 3 cr.
 - ENGL 335 Shakespeare 3 cr.
 - ENGL 355 Literature for Adolescents 3 cr.
 - ENGL 361 Composition Theory 3 cr.
 - ENGL 362 Introduction to Rhetorical Studies 3 cr.
 - ENGL 441 Twentieth-Century International Literature 3 cr.
- *At least 3 survey courses must be taken. However, a student may choose a period course to replace one of the survey courses that covers the same time period as the American survey course, or an English period course that covers the same time period to replace one of the English survey courses. ENGL 444 Major Authors may also substitute for an appropriate period course (the author's era consistent with the survey course to be replaced).
- In place of English 324, students may take one of these courses:*
- ENGL 429 American Renaissance 3 cr.
 - ENGL 430 American Realism 3 cr.

In place of English 325, students may take one of these courses:

ENGL 431 Modern American Fiction 3 cr.

ENGL 432 Contemporary American Literature 3 cr.

In place of English 331, students may take this course:

ENGL 422 Elizabethan and Jacobean Drama 3 cr.

In place of English 332, students may take one of these courses:

ENGL 426 Victorian Literature 3 cr.

ENGL 427 Modern British Literature: 1890-1940 3 cr.

ENGL 428 Modern British Literature: 1940-Present 3 cr.

2. Directed Elective: 3 cr. hrs.

Take one of the period courses listed below:

ENGL 422 Elizabethan and Jacobean Drama 3 cr.

ENGL 423 17th Century Prose & Poetry

ENGL 426 Victorian Literature 3 cr.

ENGL 427 Modern British Literature: 1890-1940 3 cr.

ENGL 428 Modern British Literature: 1940-Present 3 cr.

ENGL 429 American Renaissance 3 cr.

ENGL 430 American Realism 3 cr.

ENGL 431 Modern American Fiction 3 cr.

ENGL 432 Contemporary American Literature 3 cr.

3. Select two supporting courses: 6 cr. hrs.

ENGL 262 Creative Writing 3 cr.

ENGL 321 English Language: History and Culture 3 cr.

ENGL 360 Theory and Methodology of TESOL 3 cr.

ENGL 372 Practicum: Peer Tutoring and Writing Instruction

or ENGL 373 Techniques in Tutoring: TESOL Practicum 3 cr.

4. Select two Journalism/Marketing/Professional Writing courses: 6 cr. hrs.

Only one 100-level course can be taken in this category.

ENGL 266 Business Writing

ENGL 270 Visual Rhetoric

ENGL 367 Technical Writing

ENGL 368 Writing Poetry

ENGL 369 Writing Fiction

ENGL 370 Writing Non-Fiction

ENGL 374 Cyberliteracy and Writing for the Web (EC)

ENGL 387 Technical and Professional Editing

JOUR 101 Introduction to Mass Communication

JOUR 110 Principles of Journalism

JOUR 121 Radio News Production

JOUR 122 TV News Photography

JOUR 201 Information Gathering

JOUR 202 Press News Writing

JOUR 203 Broadcast News Writing

MARC 100 Writing for Mass Media

5. Select two Speech or Theatre Arts courses: 6 cr.

COMS 106 Interpersonal Communication

THEA 121 Acting I: Basic Techniques 3 cr.

THEA 131 Design for Theatre

DFT 151 Broadcast Performance I

COMS 207 Listening Skills

COMS 208 Problem Solving in Small Group Communication 3 cr.

COMS 211 Public Speaking 3 cr.

THEA 223 Oral Interpretation of Literature 3 cr.
THEA 230 Playwrights of Color (ACD)
THEA 231 Stage Technology and Scene Painting
THEA 234 Stage Management
DFT 310 Media Literacy
COMS 311 Persuasion 3 cr.
COMS 312 Argumentation and Decision Making
COMS 313 Intercultural Communication
COMS 314 Introduction to Criticism
COMS 319 Freedom to Speak
THEA 337 History of Theatre and Dramatic Literature
THEA 338 History of Theatre and Dramatic Literature: 18th Century
to the Present
THEA 339 American Theatre
DFT 340 Gender, Race, Ethnicity, and Class in Media
ENGL 232 Contemporary Drama

6. Select one Film Studies Course: 3 cr.

DFT 200/FILM 200 Introduction to Film Studies 3 cr.
DFT 248/FILM 248 Cultures in Conflict 3 cr.
ENGL 300/WMST 300/FILM 300 Women, Film and Society 3 cr.
ENGL 301/DFT 301/FILM 301 History of Film 3 cr.
ENGL 306/FILM 306 Postcolonial Film and Literature (MD,GP)
ENGL 307/FILM 307 Ethnic Film, Literature, and Culture 3 cr.
(ACD,MD)
ENGL 317/FILM 317 Modern East Asian Literature and Cinema (g)
ENGL 389 Topics in English: Shakespeare and Film
ENGL 442/FILM 442/INTS 442 World Cinema 3 cr. (GP)
JOUR 302 History of the Documentary

7. Choose two Multicultural/International courses: 6 cr. hrs.

Many of these courses can be double-counted as General Education
or University requirements.

ENGL 203 Literature of African Americans (ACD)
ENGL 208 Literature of Native Americans (ACD)
ENGL 212 Native American in Literature (ACD)
ENGL 214 Women in Literature
ENGL 228 Literature of Environmental Justice (EC)
ENGL 230 International Short Story (GP, Non-Western)

ENGL 232 Contemporary Drama
ENGL 234 Modern Novels (GP, Non-Western)
ENGL 235 American Autobiography (ACD)
ENGL 300 Women and Film (MD)
ENGL 306 Postcolonial Film and Literature (MD, GP,
Non-Western)
ENGL 307 Ethnic Film, Literature, and Culture
(ACD,MD)
ENGL 309/FILM 309 Film and Literature of the New
Europe (g)
ENGL 317/FILM 317 Modern East Asian Literature and
Cinema (g)
ENGL 442/FILM 442/INTS 442 World Cinema 3 cr. (GP)
ENGL 443 American Ethnic Women Writers (ACD)

Note: English Education majors must take **TED 432**, Techniques of English Education, in addition to the above courses for English licensure.

University of Wisconsin-River Falls
410 S. 3rd Street, River Falls WI 54022 USA
Campus Information (715) 425-3911

English Minor

English Minor Liberal Arts: 24 cr. hrs.

This minor has a Literature Emphasis.

Required courses: 18 cr. hrs.

ENGL 251 Advanced Composition 3 cr.

ENGL 253 Introduction to Literary Studies 3 cr.

ENGL 321 The English Language: History and Culture 3 cr.

ENGL 335 Shakespeare 3 cr.

Select one American survey course*

ENGL 324 Survey of American Literature I, Origins-1900 3 cr.
OR

ENGL 325 Survey of American Literature II, 1900-1980 3 cr.

Select one British survey course*

ENGL 331 Survey of English Literature I, 650-1800 3 cr.
OR

ENGL 332 Survey of English Literature II, 1800-Present 3 cr.

*One survey course must cover the period before 1800.

Directed Electives: 6 cr. hrs.

Select one genre course: 3 cr. hrs.

ENGL 230 International Short Fiction 3 cr.

ENGL 231 The Short Story 3 cr.

ENGL 232 Contemporary Drama 3 cr.

ENGL 233 Introduction to Poetry 3 cr.

ENGL 234 Modern Novels 3 cr.

ENGL 343 The Novel and Film Adaptations 3 cr.

ENGL 344 Major Authors 3 cr.

**Select one period course, English, American or International:
3 cr. hrs.**

ENGL 341 European Literature (19th Century) 3 cr.

ENGL 422 Renaissance Drama 3 cr.

ENGL 423 17th Century Prose and Poetry 3 cr.

ENGL 426 Victorian Literature 3 cr.

ENGL 427 Modern British Literature: 1890-1940 3 cr.

ENGL 428 Modern British Literature: 1940-Present 3 cr.

ENGL 429 American Renaissance 3 cr.

ENGL 430 American Realism 3 cr.

ENGL 431 Modern American Fiction 3 cr.

ENGL 432 Contemporary American Literature 3 cr.

ENGL 441 Twentieth-Century International Literature 3 cr.

Department of English

245 Kleinpell Fine Arts

(715) 425-3537

www.uwrf.edu/ENGL/

Marshall Toman-Chair, Jennifer Brantley, David Furniss, Greta Gaard, Kathleen Hunzer, Annette Klemp, Steven Luebke, Mialisa Moline, Michelle Parkinson, Vladimir Pavlov, Kenneth Price, Joseph Rein, Catherine Ross-Stroud, Elizabeth Schneider-Rebozo

English Minor- Education

You cannot have an English education minor with a liberal arts major--you must have a major in education.

Minor Requirements: English-Education 27 cr. hrs.

Required Courses: 18 cr. hrs.

- ENGL 251 Advanced Composition 3 cr.
- ENGL 253 Introduction to Literary Studies 3 cr.
- ENGL 320 Structure of English 3 cr.
- ENGL 321 English Language: History and Culture 3 cr.
- ENGL 335 Shakespeare 3 cr.
- ENGL 361 Composition Theory 3 cr.

Directed Electives: 12 cr. hrs.

A. Select ENGL 324 Survey of American Lit. I, Origins to 1900 3cr.
and one of the following for 6 cr. hrs:

- ENGL 331 Survey of English Lit. I, to 1800 3 cr.
- ENGL 332 Survey of English Lit. II, 1800-Present 3 cr.
- ENGL 422 Renaissance Drama 3 cr.
- ENGL 423 17th Century Prose and Poetry 3 cr.
- ENGL 426 Victorian Literature 3 cr.
- ENGL 427 Modern British Literature: 1890-1940 3 cr.
- ENGL 428 Modern British Literature: 1940-Present 3 cr.

OR

B. Select ENGL 331 Survey of English Lit. I, to 1800 3 cr.
and one of the following for 6 cr. hrs:

- ENGL 324 Survey of American Lit. I, Origins to 1900 3 cr.
- ENGL 325 Survey of American Lit. II, 1900-1980 3 cr.

Supporting Course: 3 cr. hrs.

- ENGL 355 Literature for Adolescents 3 cr.

University of Wisconsin-River Falls
410 S. 3rd Street, River Falls WI 54022 USA
Campus Information (715) 425-3911

English Language Arts Minor

English Language Arts Minor

Minor Requirements 24 Total Credits

Area 1: Writing (choose one of the following) 3 cr. hrs.

ENGL 251 Advanced Composition 3 cr.

ENGL 262 Creative Writing 3 cr.

Area 2: Reading and Interpretation 12 cr. hrs.

ENGL 106 Introduction to Literature: Fiction, Poetry, Drama 3 cr.

ENGL 233 Introduction to Poetry 3 cr.

ENGL 331 Survey of English Literature I 3 cr.

ENGL 350 Children's Literature: Issues and Trends 3 cr.

Area 3: Language and Composition 9 cr. hrs.

ENGL 320 Structure of English 3 cr.

ENGL 322 Acquisition of Language 3 cr.

ENGL 361 Composition Theory 3 cr.

Required Supporting Courses:

ENGL 250 Children's Literature 3 cr.

TED 310 Techniques in Elementary Education: Language Arts 4 cr.

TED 316 Developmental Reading 4 cr.

TED 317 Reading Practicum 4 cr.

This minor must be done with an education major.

Department of English

245 Kleinpell Fine Arts

(715) 425-3537

www.uwrf.edu/ENGL/

Marshall Toman-Chair, Jennifer Brantley, David Furniss, Greta Gaard, Kathleen Hunzer, Annette Klemp, Steven Luebke, Mialisa Moline, Michelle Parkinson, Vladimir Pavlov, Kenneth Price, Joseph Rein, Catherine Ross-Stroud, Elizabeth Schneider-Rebozo

University of Wisconsin-River Falls
410 S. 3rd Street, River Falls WI 54022 USA
Campus Information (715) 425-3911

Environmental Science Major

Environmental Science Major

Environmental Science Core 28 cr. hrs.

ENGL 367 Technical Writing 3 cr.

ESM 220 Environmental Sustainability: Theory, Issues, and Management 3 cr.

ESM 305 Environmental Impact Assessment 2 cr.

ESM 360 Applied Hydrology and Water Quality 4 cr.

ESM 412 Chemical Fate and Transport in the Environment 3 cr.

ESM 413 Environmental Analysis 4 cr.

ESM 485 Seminar in Resource Management 1 cr.

GEOL102 Introductory Geology Lab 1 cr.

Choose one of the following:

ESM 303 Environmental Policies and Administration 3 cr.

BIOL 355 Environmental Law 3 cr.

POLS 355 Environmental Law 3 cr.

Choose one of the following:

MATH 226 Fundamentals of Statistics 3 cr.

MATH 326 Applied Statistics 3 cr.

ANSC 341 Biometrics 3 cr.

GEOG 365 Quantitative Techniques for Geographers 3 cr.

Required Supporting Courses: 34-36 cr. hrs.

MATH 166 Calculus 4 cr.

CHEM 120 Introduction to General Chemistry 6 cr.

or **CHEM 121** General Chemistry I 5 cr.

CHEM 122 General Chemistry II 5 cr.

Choose one of the following two chemistry lecture/lab series:

A. CHEM 231 Organic Chemistry I 3 cr.

CHEM 236 Organic Chemistry Lab I 1 cr.

B. CHEM 251 Analytical Chemistry 2 cr.

CHEM 256 Analytical Chemistry Lab 1 cr.

Choose one of the following two physics series A. or B.:

A. PHYS 151 General Physics I 4 cr.

PHYS 156 General Physics Lab I 1 cr.

B. PHYS 161 General Physics I 4 cr.

PHYS 101 General Physics Lab I 1 cr.

Choose one of the following two courses:

BIOL 210 General Botany 3 cr.

BIOL 230 General Zoology 3 cr.

Choose one of the following two courses:

BIOL 240 Cell and Molecular Biology 3 cr.

BIOL 324 Microbiology 3 cr.

Directed Electives: 18 cr. hrs.

A minimum of 6 credits in 400 level or greater. Courses taken as part of the supporting requirement cannot be double counted as directed electives.

SOIL 311, 325, 350, 440, 460 3-4 cr.

BIOL 210, 230, 240, 310, 324, 330, 344, 354, 360, 412, 413, 434,

General Education Requirements

College of Agriculture, Food and Environmental Science:

As listed with the following exceptions:

Ethical Citizenship: **ESM 105** required.

Sciences: **GEOL 101** and **BIOL 150** required.

College of Arts and Sciences: As listed.

Foundation Courses in Agriculture 9 cr. hrs.

SOIL 120 Introduction to Soil Science 3 cr.

ESM 151 Introduction to Land Use Theory and Practice 3 cr.

Select 1 from:

AGEN 150 Agricultural and Environmental Engineering Technology 3 cr.

or **AGEC 230** Agricultural Economics I 3 cr.

CROP 161 Introduction to Plant Science 3 cr.

or **HORT 161** Introduction to Plant Science

OR College of Arts and Sciences Requirements: 9 cr. hrs.

SOCI 245 Environmental Sociology 3 cr.

PHIL 303 Environmental Ethics 3 cr.

ESM 307 Multicultural Perspectives on the Environment 3 cr.

Department of Plant and

444 3-4 cr.

GEOG 212, 250, 255, 316, 360, 368, 379, 412, 450, 460 3-12 cr.

PHYS 152, 157, 162, 102, **CHEM 231** and 236, 232 and 237, 251 and 256, 356 1-3 cr.

AGEN 325, 365, 425, **GENG 450** 3-4 cr.

GEOLOG 269, 327, 330, 417, 445 2-4 cr.

ESM 270, 333, 363, 370, 377 2-4 cr.

AGEC 450 3 cr.

Earth Science

324 Agricultural Science

(715) 425-3345

www.uwrf.edu/PES/

Donavon H. Taylor-Chair, William A. Anderson, William S. Cordua, Dennis R. Cosgrove, Holly A.S. Dolliver, Terry L. Ferriss, Veronica Justen, Michael C. Kaltenberg, Kerry L. Keen, David Keuhl, Michael D. Middleton, Loretta Ortiz-Ribbing, Eric M. Sanden, Brian R. Smith, Laine Vignona, Ian S. Williams, David C. Zlesak.

The environmental science major is designed to prepare students to face challenges in environmental quality management and sustainable development. Environmental science majors are prepared to monitor, model and manage environmental systems in the areas of environmental quality and risk evaluation, sampling and analysis, remediation and regulatory compliance. Graduates pursue careers in environmental consulting firms, local, state and federal environmental agencies or corporations. Students with environmental research interests are also prepared to pursue advanced degrees.

The major is interdisciplinary within the College of Agriculture, Food and Environmental Sciences and the College of Arts and Sciences, and is administered by the department of plant and earth science.

Departments contributing to the major include agricultural engineering technology, biology, chemistry, geography, physics, and plant and earth science. Required foundation courses are in the College of Agriculture, Food and Environmental Sciences or in the College of Arts and Sciences.

University of Wisconsin-River Falls
410 S. 3rd Street, River Falls WI 54022 USA
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Ethnic Studies Minor

The Ethnic Studies Minor has been discontinued effective with the 2010/2011 academic year. Students who have currently declared this minor may complete it.

Requirements: 24 Total Credits

Required Courses: 3 cr. hrs.

ETHN 200 Introduction to Ethnic Studies 3 cr.

**Directed Electives: Electives in American Ethnicity 9 cr. hrs.
Courses that focus on the impact of being a member of an American ethnic group**

CSTA 313 Intercultural Communication 3 cr.

ECON 312 Political Economy of Discrimination 3 cr.

ESM 307 Cultural Perspectives on the Environment 3 cr.

GEOG 237 Poverty in the United States 3 cr.

HIST 204 U.S. Immigration and Ethnic History 3 cr.

JOUR 315 Race, Class, and News 3 cr.

MNGT 330 Managing Workplace Diversity 3 cr.

POLS 212 The Politics of Equality and Inequality in the United States 3 cr.

PSYC 285-The Psychology of Prejudice and Racism 3 cr.

WMST 200 Introduction to Women's Studies 3 cr.

Directed Electives: 6-9 cr. hrs.

Courses that focus on the products and experiences of American ethnic groups

ANTH 228 Native American Cultures 3 cr.

CSTA 230 Playwrights of Color 3 cr.

ENGL 203 Literature of the African American Experience 3 cr.

ENGL 212 The Native American in Literature 3 cr.

ENGL 235 American Autobiography 3 cr.

ENGL 307, Ethnic Film, Literature and Culture 3 cr.

ENGL 443 American Ethnic Women Writers 3 cr.

ETHN 270 Puerto Rican Society 3 cr.

HIST 206 Native Americans and the United States 3 cr.

HIST 207 African-American History 3 cr.

HIST 208 History of the Mexican-American/Chicano 3 cr.

MUS 255 History of Jazz 3 cr.

PHIL 245 Eastern Religions and Islam 3 cr.

Directed Electives: Supporting Courses 3-6 cr. hrs.

Courses that focus on specific ethnic heritage or international issues

ART 314 Art of China, India, and Japan 3 cr.

ART 318 Latin American Art 2 cr.

CBE 370 International Study 3 cr.

GEOG 342 Latin America 3 cr.

Interdisciplinary Program

**157 Centennial Science Hall
(715) 425-3576
www.uwrf.edu/ETHN/**

Cyndi Kernahan—Coordinator

The ethnic studies minor is designed to allow students to study and focus their attention on the experiences, histories, and unique contributions of a variety of ethnic groups within the United States. Our courses allow students to develop critical thinking skills, learn more about ethnic groups in the United States, and become more comfortable discussing issues of race and ethnicity and working across racial and ethnic lines. The courses included in the minor have been selected to focus the student's study as well as to allow for individual flexibility. It is possible for Arts and Sciences majors to double minor in ethnic studies and women's studies with minimal additional credits.

GEOG 343 Africa 3 cr.
GEOG 344 Asia and Oceania 3 cr.
HIST 201 Introduction to Asian Civilization 3 cr.
HIST 202 Introduction to Latin American Civilizations 3 cr.
HIST 436 History of Colonialism and Imperialism 3 cr.
MNGT 310 Culture and Business 3 cr.
MODL 376 Mexico: A Cultural Experience 3 cr.
POLS 348 Politics of East Asia 3 cr.

Double Minor: Ethnic Studies and Women's and Gender Studies.

University of Wisconsin-River Falls
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Campus Information (715) 425-3911

Farm Management Minor

Farm Management Minor Requirements, 24 Total Credits

Required courses:

- AGEC 230 Agricultural Economics I 3 cr.
- AGEC 240 Cooperatives 2 cr.
- AGEC 305 Agricultural Business Accounting 3 cr.
- AGEC 355 Agricultural Markets and Prices 3 cr.
- AGEC 360 Farm Management 3 cr.
- AGEC 365 Agricultural Finance 3 cr.
- AGEC 440 Agricultural Policy I (writing intensive) 3 cr.
- AGEC 455 Commodity Marketing 3 cr.

Department of Agricultural Economics (AGEC)

**131 Agricultural Science
(715) 425-3298**

www.uwrf.edu/AGEC/

David Trechter-Chair, Brenda Boetel,
Todd Hubbs, Chenguang Li, Stanley
Schraufnagel, Nate Splett
Adjunct Faculty-Juliet Tomkins
Program Assistant-Fay Westberg

University of Wisconsin-River Falls
410 S. 3rd Street, River Falls WI 54022 USA
Campus Information (715) 425-3911

Film Studies Minor

Film Studies Minor: **24 Total Credits**

Required Courses: 9 cr. hrs.

FILM 200 or **CSTA 200** Introduction to Film Studies 3 cr.

FILM 301 History of Film 3 cr.

(Co-listed as DFT, ENGL, HIST, or **JOUR 301**)

FILM 499 Directed Project in Film 2-3 cr.

Directed Electives: 18 cr. hrs.

FILM 160 TV Studio Production 3 cr.

FILM 206 Ethnic Film and Literature 3 cr.

FILM 248 Cultures in Conflict 3 cr.

FILM 260 Electronic Field Production 3 cr.

FILM 300 Women in Film 3 cr.

FILM 302 History of Documentary 3 cr.

FILM 305 News in the Movies 3 cr.

(co-listed as **JOUR 305**)

FILM 310 Sociology Through Film 3 cr.

FILM 315 German Classic and Modern Film 3 cr.

FILM 343 The Novel and Film Adaptations 3 cr.

FILM 389 Special Topics 3 cr.

(Co-listed as HIST, JOUR, MUS, CSTA, SOCI, which offer individual courses)

FILM 402 History in Film 3 cr.

(Co-listed as **HIST 402**)

FILM 442 World Cinema 3 cr.

FILM 495 Independent Study 3 cr.

Interdisciplinary

Communication Studies and Theatre Arts

KFA B24

Film Studies is an interdisciplinary minor offered by four departments: English, History, Journalism, and Communication Studies and Theatre Arts. Film Studies examines film as an art form, as an industry, and as the most popular and most influential communication medium of the twentieth century. Film Studies provides an interdisciplinary approach to visual literacy as it introduces students to film history, theory, criticism, and production.

University of Wisconsin-River Falls
410 S. 3rd Street, River Falls WI 54022 USA
Campus Information (715) 425-3911

Food Science Technology Major

PROSPECTIVE STUDENTS: As of September 1, 2011, CAFES is no longer admitting new students to the Food Science Major. The Food Science Minor is still being maintained, and can be achieved in conjunction with a major of your choosing.

Food Science and Technology Major: 43-47 Total Credits

Required Courses: 29 cr. hrs.

FDSC 113 Intro Food Science Lab 1 cr.

Choose one of the following three courses:

FDSC 202 Dairy Manufacturing I-required for Dairy Tech Option
or **FDSC 238** Meat and Meat Products 3 cr.

or **FDSC 259** Cereal Technology

FDSC 285 Seminar in Food Science 1 cr.

FDSC 312 Food Processing 4 cr.

FDSC 313 Food Processing Lab 1 cr.

FDSC 320 Food Quality Assurance 2 cr.

FDSC 335 Food Microbiology 4 cr.

FDSC 360 Food Chemistry 3 cr.

FDSC 385 Seminar in Food Science 1 cr.

FDSC 422 Product Development and Sensory Evaluation 4 cr.

FDSC 461 Food Analysis 4 cr.

FDSC 485 Seminar in Food Science 1 cr.

Required Supporting Courses: 19 cr. hrs.

CHEM 122 General Chemistry II 5 cr.

CHEM 230 General Organic Chemistry 3 cr.

or **CHEM 231** Organic Chemistry I

AGBI 251 Agricultural Biochemistry 3 cr.

or **CHEM 361** Biochemistry

AGBI 252 Agricultural Biochemistry Laboratory Techniques 1 cr.

BIOL 324 Microbiology 4 cr.

ANSC 341 Biometrics 3 cr.

FDSC 270 Internship 2-4 cr.

Select Industry, Dairy Technology, or Science Option below:

Industry Option 14-16 cr. hrs

ACCT 231 Principles in Accounting I 3 cr.

Select two from:

FINC 345 Managerial Finance 3 cr.

or **AGEC 365** Agricultural Finance

MNGT 300 Principles of Management 3 cr.

or **AGEC 460** Agribusiness Firm Management

MKTG 310 Principles of Marketing 3 cr.

or **AGEC 355** Agricultural Markets and Prices

General Education Requirements

As listed with the following exceptions:

Sciences Required Courses:

CHEM 121 or **120**, **BIOL 150**,

PHYS 151 or **161**

Mathematics Required Courses:

MATH 147 or **166**

Foundation Courses in Agriculture: 12 cr. hrs.

FDSC 110 Science of Food 3 cr.

ANSC 231 Principles of Nutrition 3 cr.

AGEN 352 Food Engineering 3 cr.

AGEC 230 Agriculture Economics I 3 cr.

Department of Animal and Food Science

247 Agricultural Science

(715) 425-3704

www.uwrf.edu/ANFS/

Gary Onan-Chair, Larry Baumann, Perry Clark, Dennis Cooper, Kari Ekenstedt, Michelle Farner, Kristina Hiney, Sylvia Kehoe, Steve Kelm, Justin Luther, Nathan O'Connor, Peter Rayne, Kurt Vogel, Bonnie Walters, Steve Watters

Electives (choose any Food Science courses) 5-7 cr. hrs.

Dairy Technology Option 14-18 cr. hrs.

FDSC 302 Dairy Manufacturing II 3 cr.

FDSC 469 Dairy Plant Management 2 cr.

FDSC 470 Dairy Plant Management Lab 1 cr.

AGEC 355 Agricultural Markets and Prices 3 cr.

AGEC 460 Agribusiness Firm Management 3 cr.

Electives (choose any Food Science courses) 2-4 cr. hr.

Science Option - IFT Approved Curriculum 14-16 cr. hrs.

CHEM 232 Organic Chemistry II 3 cr.

CHEM 236 Organic Chemistry Lab I 1 cr.

CHEM 237 Organic Chemistry Lab II 1 cr.

MATH 167 Calculus II 4 cr.

Electives (choose any Food Science Courses) 5-7 cr. hrs.

University of Wisconsin-River Falls
410 S. 3rd Street, River Falls WI 54022 USA
Campus Information (715) 425-3911

Catalog

Food Science Minor

Food Science Minor: 22 Total Credits

Required Courses: 11-13 cr. hrs.

FDSC 110 Science of Food 3 cr.

FDSC 113 Intro Food Science Lab 1cr.

Choose one of the following three courses:

FDSC 202 Dairy Manufacturing I

or **FDSC 238** Meat and Meat Products

or **FDSC 259** Cereal Technology 3 cr.

Choose one of the following:

FDSC 240 Meat Product Processing 3 cr

FDSC 302 Dairy Manufacturing II 3 cr.

FDSC 312 and 313 Food Processing and Lab 5 cr.

Choose one of the following:

FDSC 385 Seminar in Food Science 1 cr.

FDSC 485 Seminar in Food Science 1 cr.

Food Science electives (6 credits must be 300 or above) 9-11 cr. hrs.

All remaining FDSC courses

BIOL 324 Microbiology 4 cr.

CHEM 355 Separations

AGBI 251 and **252** Agricultural Biochemistry and Lab or **CHEM 361** Biochemistry I

AGEN 455 Food and Process Engineering II

Department of Animal and Food Science

247 Agricultural Science
(715) 425-3704

www.uwrf.edu/ANFS/

Gary Onan-Chair, Larry Baumann, Perry Clark, Dennis Cooper, Kari Ekenstedt, Michelle Farner, Kristina Hiney, Sylvia Kehoe, Steve Kelm, Justin Luther, Nathan O'Connor, Peter Rayne, Kurt Vogel, Bonnie Walters, Steve Watters

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410 S. 3rd Street, River Falls WI 54022 USA
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Catalog

French Minor

French Minor

French Minor: 22 Total Credits

French Minor-Liberal Arts Required Courses: 19 cr. hrs.

FREN 102 Beginning French II 4

FREN 201 Intermediate French I 3

FREN 202 Intermediate French II 3

FREN 301 Conversation and Composition I 3

FREN 302 Conversation and Composition II 3

FREN 401 Advanced French Communication 3

Directed Electives: 3 cr. hrs.

Select 3 credits from:

FREN 316 French Cinema 3

FREN 341 French Civilization 3

FREN 342 Modern French and Francophone Cultures 3

FREN 351 Survey of French Literature to 1800 3

FREN 352 Survey of French Literature 1800 to Present 3

MODL 379 Internship in Modern Language 2-3

French Minor-Education

Complete French Minor Liberal Arts program

(must include **FREN 341** or 342)

Required courses not part of minor: 6 cr. hrs.

FREN 350 French Phonetics 3

TED 437 Techniques of Middle/Secondary Education: Modern Language 2

TED 448 Techniques of Elementary Education: Modern Language

Department of Modern
Language

284 Kleinpell Fine Arts
(715) 425-3121

www.uwrf.edu/MODL/

Kristine Butler-Chair, Cecilia
Bustamante, Terrence Mannerter,
Juan-Carlos Chaves, Rebecca Raham,
Christelle Curilli, Judy Wyatt-Schlei,
Julie Kovacic, Lisa Showers, Magara
Maeda, Wen Zhang

University of Wisconsin-River Falls
410 S. 3rd Street, River Falls WI 54022 USA
Campus Information (715) 425-3911

General Science Minor

General Science Minor 30 Total Credits

Select 12 credits from one area and 6 credits from each of the remaining three areas:

Biology 6-12 cr. hrs.

BIOL 150 General Biology 3 cr.
BIOL 210 General Botany 3 cr.
BIOL 230 General Zoology 3 cr.
BIOL 253 Human Biology 3 cr.

Chemistry 6-12 cr. hrs.

CHEM 101 Elementary Principles of Chemistry 3 cr.
CHEM 200 Chemistry and the Environment 3 cr.
CHEM 220 Chemistry of Life 3 cr.
CHEM 230 General Organic Chemistry 3 cr.

Geology 6-12 cr. hrs.

GEOL 101 Introductory Geology 3 cr.
GEOL 102 Introductory Geology Lab 1 cr.
GEOL 150 Historical Geology 4 cr.
GEOL 202 Oceanography 3 cr.
GEOL 269 Environmental Geology 2 cr.
GEOL 305 Geology of the Planets 2 cr.
GEOL 330 Meteorology 2 cr.

Physics 6-12 cr. hrs.

PHYS 114 Conceptual Physics 3 cr.
PHYS 117 Introductory Astronomy 3 cr.
PHYS 220 The Science of Light 4 cr.
PHYS 318 Astrophysics 3 cr.
PHYS 321 The Science of Sound 2 cr.

Science, General

Interdisciplinary Program

123 Centennial Science Hall
(715) 425-3560

Eileen Korenic–Coordinator

General Science Minor for
Elementary Science
Teachers

Up to two of these courses may be double counted in the General Education program, depending on your specific course of study. When planning your course selection, be sure to consider the prerequisites for upper level courses. Higher level courses may be substitute on a case-by-case basis; contact the coordinator.

University of Wisconsin–River Falls
410 S. 3rd Street, River Falls WI 54022 USA
Campus Information (715) 425-3911

Geography Major

Geography Major - Liberal Arts: 37 Total Credits (without a GIS/Cartography Minor)

Required Core Courses: 19 cr. hrs.

- GEOG 110 Physical Environment: Patterns and Systems 3 cr.
- GEOG 111 Lab for Physical Environment: Patterns and Systems 1 cr.
- GEOG 120 Human Geography 3 cr.
- GEOG 240 United States 3 cr.
- GEOG 250 Introduction to Cartography and GIS 3 cr.
- GEOG 365 Quantitative Techniques for Geographers 3 cr.
- GEOG 401 Senior Colloquium in Geography 3 cr.

Directed Electives 6 cr. hrs.

Regional Course - Choose 3 credits from the following:

- GEOG 241 Wisconsin 3 cr.
- GEOG 242 Canada 3 cr.
- GEOG 340 Europe 3 cr.
- GEOG 342 Latin America 3 cr.
- GEOG 343 Africa 3 cr.
- GEOG 344 Asia and Oceania 3 cr.

Systematic Course - Choose 3 credits from the following:

- GEOG 212 Weather and Climate 3 cr.
- GEOG 213 Landforms of North America 3 cr.
- GEOG 214 World Patterns of Plants and Animals 3 cr.
- GEOG 220 Economic Geography 3 cr.
- GEOG 237 Poverty in the United States 3 cr.
- GEOG 316 The Physical Environment of Urban Areas 3 cr.
- GEOG 324 Historical Geography of the United States 3 cr.
- GEOG 351 Map Design 3 cr.
- GEOG 360 Geographic Information Systems: Theory and Methods 3 cr.
- GEOG 366 Field Methods & GPS 3 cr.
- GEOG 368 Digital Image Processing 3 cr.
- GEOG 378 Semester Abroad 3-6 cr.
- GEOG 379 Geography Internship 3-12 cr.
- GEOG 385 Interdisciplinary Seminar on the American Frontier 3 cr.
- GEOG 389 Topics in Geography .5-3 cr.
- GEOG 412 Advanced Climatology 3 cr.
- GEOG 428 Political Geography 3 cr.
- GEOG 455 Animated and Interactive Cartography 3 cr.
- GEOG 460 Geographic Information Systems: Analysis and Modeling 3 cr.
- GEOG 490 Readings in Geography 1-3 cr.
- GEOG 499 Independent Study 1-2 cr.

Electives: 12 cr. hrs.

Must be numbered 200 and above with at least one numbered 400 or above, see courses listed in Directed Electives above.

General Education Requirements

BA and BS Liberal Arts majors as listed.

BS Education majors as listed.

Department of Geography and Mapping Sciences

**344 Kleinpell Fine Arts
(715) 425-3264
www.uwrf.edu/GEOG/**

John Heppen-Chair, Ruth Baker,
Mathew Dooley, Charles Rader,
Matthew Renault

Geography is a discipline that seeks to understand the world and the interrelationships between humans and their environment. Geographers use data from many sources, analytical techniques, and Geographic Information Systems (GIS) to study and map the changing natural and human landscapes from local to global scales. Geographers approach the world with a multidisciplinary perspective that integrates knowledge from the social and natural sciences. Students can tailor their plan of study to focus on human geography, physical geography, or Geographic Information Science. The department offers a GIS/Cartography minor that covers GIS theory, applications, and map design. Courses are taught in a state-of-the-art GIS laboratory. Geography majors and minors are prepared to pursue advanced degrees and careers in government, consulting, planning, travel, industry, geographic analysis, and map design.

Geography Major - Liberal Arts with a GIS/Cartography Minor

Major Requirements 37 Total Credits

Required Core Courses: 16 cr. hrs.

- GEOG 110 Physical Environment: Patterns and Systems 3 cr.
- GEOG 111 Lab for Physical Environment: Patterns and Systems 1 cr.
- GEOG 120 Human Geography 3 cr.
- GEOG 240 United States 3 cr.
- GEOG 365 Quantitative Techniques for Geographers 3 cr.
- GEOG 401 Senior Colloquium in Geography 3 cr.

Directed Electives 6 cr. hrs.

Regional Course - Choose 3 credits from the following:

- GEOG 241 Wisconsin 3 cr.
- GEOG 242 Canada 3 cr.
- GEOG 340 Europe 3 cr.
- GEOG 342 Latin America 3 cr.
- GEOG 343 Africa 3 cr.
- GEOG 344 Asia and Oceania 3 cr.

Systematic Course - Choose 3 credits from the following:

- GEOG 212 Weather and Climate 3 cr.
- GEOG 213 Landforms of North America 3 cr.
- GEOG 214 World Patterns of Plants and Animals 3 cr.
- GEOG 220 Economic Geography 3 cr.
- GEOG 237 Poverty in the United States 3 cr.
- GEOG 316 The Physical Environment of Urban Areas 3 cr.
- GEOG 324 Historical Geography of the United States 3 cr.
- GEOG 351 Map Design 3 cr.
- GEOG 360 Geographic Information Systems: Theory and Methods 3 cr.
- GEOG 366 Field Methods & GPS 3 cr.
- GEOG 368 Digital Image Processing 3 cr.
- GEOG 378 Semester Abroad 3-6 cr.
- GEOG 379 Geography Internship 3-12 cr.
- GEOG 385 Interdisciplinary Seminar on the American Frontier 3 cr.
- GEOG 389 Topics in Geography .5-3 cr.
- GEOG 412 Advanced Climatology 3 cr.
- GEOG 428 Political Geography 3 cr.
- GEOG 455 Animated and Interactive Cartography 3 cr.
- GEOG 460 Geographic Information Systems: Analysis and Modeling 3 cr.
- GEOG 490 Readings in Geography 1-3 cr.
- GEOG 499 Independent Study 1-2 cr.

Electives: 15 cr. hrs.

Must be numbered 200 and above with at least one numbered 400 or above, see courses listed in Directed Electives above.

University of Wisconsin-River Falls
410 S. 3rd Street, River Falls WI 54022 USA
Campus Information (715) 425-3911

Geography Minor

Geography Minor - Liberal Arts

Geography Minor - Liberal Arts: 22 Total Credits

Required Core Courses: 13 cr. hrs.

GEOG 110 Physical Environment: Patterns and Systems 3 cr.

GEOG 111 Lab for Physical Environment: Patterns and Systems 1 cr.

GEOG 120 Human Geography 3 cr.

GEOG 240 United States 3 cr.

GEOG 250 Introduction to Cartography and GIS 3 cr.

Electives: 9 cr. hrs.

(Courses numbered 200 and above)

Geography Minor - Elementary and Secondary Education

Geography Minor - Elementary and Secondary Education: 22 Total Credits

Required Core Courses: 16 cr. hrs.

GEOG 110 Physical Environment: Patterns and Systems 3 cr.

GEOG 111 Lab for Physical Environment: Patterns and Systems 1 cr.

GEOG 120 Human Geography 3 cr.

GEOG 240 United States 3 cr.

GEOG 241 Wisconsin 3 cr.

GEOG 250 Introduction to Cartography and GIS 3 cr.

General Electives: 6 cr. hrs.

(Courses numbered 200 and above)

Department of Geography
and Mapping Sciences

344 Kleinpell Fine Arts
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www.uwrf.edu/GEOG/

John Heppen-Chair, Ruth Baker,
Mathew Dooley, Charles Rader,
Matthew Renault

University of Wisconsin-River Falls
410 S. 3rd Street, River Falls WI 54022 USA
Campus Information (715) 425-3911

Geography Information Systems / Cartography Minor

GIS/Cartography Minor: 21 Total Credits

Required Core Courses: 9 cr. hrs.

GEOG 250 Introduction to Cartography and GIS 3 cr.

GEOG 351 Map Design 3 cr.

GEOG 360 GIS: Theory and Methods 3 cr.

Directed Electives: 9 cr. hrs.

Techniques Courses - choose 3-6 credits from the following:

GEOG 366 Field Methods & GPS 3 cr.

GEOG 368 Geoprocessing Techniques 3 cr.

Advanced Course - choose 3-6 cr. hrs.

GEOG 455 Animated and Interactive Cartography 3 cr.

GEOG 460 Advanced GIS 3 cr.

Electives: 0-6 cr. hrs.

GEOG 365 Quantitative Techniques for Geographers 3 cr. (if Geography Major, these credits count towards the major, not the GIS minor)

GEOG 379 Geography Internship 3-12 cr.

ESM 333 Remote Sensing of Natural Resources 3 cr.

ESM 363 GIS Applications in Resource Management 3 cr.

ART 225 Advertising Design I 3 cr.

CSIS 151 Introduction to Programming 3 cr.

CSIS 161 Programming I 3 cr.

CSIS 225 Web Development I 3 cr.

Department of Geography
and Mapping Sciences

344 Kleinpell Fine Arts
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www.uwrf.edu/GEOG/

John Heppen-Chair, Ruth Baker,
Mathew Dooley, Charles Rader,
Matthew Renault

University of Wisconsin-River Falls
410 S. 3rd Street, River Falls WI 54022 USA
Campus Information (715) 425-3911

Program Overview

Program Curriculum

Students complete three required courses and two elective courses that focus on your chosen area of specialization in GISci. In addition to finishing the coursework, students submit a final professional portfolio, complete an exit interview, and have a cumulative GPA of at least 2.5 upon completion of the program.

Core Courses: 9 credits

- GEOG 250** Introduction to Cartography and GIS - 3 cr.
- GEOG 360** GIS: Theory and Methods - 3 cr.
- GEOG 460** GIS: Modeling and Analysis - 3 cr.

Elective Courses: 6 credits

Choose any two courses from the following

- GEOG 351** Map Design - 3 cr.
- GEOG 365** Quantitative Techniques for Geographers - 3 cr.
- GEOG 366** Field Methods and GPS - 3 cr.
- GEOG 368** Digital Image Processing - 3 cr.
- GEOG 455** Animated and Interactive Cartography - 3 cr.

For More Information

Matthew Renault
GIS Lab Manager
Geography and Mapping Sciences
Department
College of Arts and Sciences
E-mail 
(715) 425-3264

University of Wisconsin-River Falls
410 S. 3rd Street, River Falls WI 54022 USA
Campus Information (715) 425-3911

Geology Major

Required Geology Courses: 39 cr. hrs.

- GEOL 102 Introductory Geology Lab 1 cr.
- GEOL 150 Historical Geology 4 cr.
- GEOL 230 Mineralogy 4 cr.
- GEOL 231 Petrology 4 cr.
- GEOL 285 Sophomore Seminar in Geology (writing intensive) 1 cr.
- GEOL 326 Structural Geology 4 cr.
- GEOL 327 Geomorphology and Glacial Geology (writing intensive) 4 cr.
- GEOL 362 Stratigraphy and Sedimentation 4 cr.
- GEOL 371-377 Any one of the Regional Field Trip Courses 1-2 cr.
- GEOL 441 Geophysics 4 cr.
- GEOL 445 Hydrogeology 3 cr.
- GEOL 450 Paleontology (writing intensive) 4 cr.
- GEOL 485 Senior Research Experience (writing intensive) 1 cr.

Required Professional Courses: 24 cr. hrs.

- CHEM 121 General Chemistry I 5 cr.
- CHEM 122 General Chemistry II 5 cr.
- MATH 166 Calculus I 4 cr.

Choose either sequence A or B below:

- A.** PHYS 151 General Physics I 4 cr.
- PHYS 152 General Physics II 4 cr.
- PHYS 156 General Physics Laboratory I 1 cr.
- PHYS 157 General Physics Laboratory II 1 cr.
- B.** PHYS 101 General Physics Laboratory I 1 cr.
- PHYS 102 General Physics Laboratory II 1 cr.
- PHYS 161 General Physics I 4 cr.
- PHYS 162 General Physics II 4 cr.

Directed Electives: 16 cr. hrs.

(consult with your adviser for these or other selections)

- ART 307 Computer Graphics as Visual Expression 3 cr.
- BIOL Any 210 level or higher
- CHEM Any 230 level or higher
- CSIS Any computer systems course
- CROP 451 Integrated Pest Management 3 cr.
- CROP 462 Agricultural Ecology 2 cr.
- ENGL 367 Technical Writing 3 cr.
- ESM Any ESM course 150 or higher, except 300, and 343
- GENG Any general engineering course
- GEOG 250 Cartography I 3 cr.
- GEOG 255 Cartography II 3 cr.
- GEOG 360 Introduction to Geographic Information Systems 3 cr.
- GEOG 365 Quantitative Techniques for Geographers 3 cr.
- GEOG 368 Geoprocessing Techniques 3 cr.
- GEOG 412 Advanced Climatology 3 cr.
- GEOG 450 Advanced Map Design and Production 3 cr.

General Education Requirements

For College of Agriculture, Food and Environmental Science majors as listed for CAFES with the following exceptions: Sciences: BIOL 150, GEOL 101, and CHEM 121.

For Secondary Education Majors as listed for CEPS.

Department of Plant and Earth Science

324 Agricultural Science
(715) 425-3345
www.uwrf.edu/PES/

Donavon H. Taylor-Chair, William A. Anderson, William S. Cordua, Dennis R. Cosgrove, Holly A.S. Dolliver, Terry L. Ferriss, Veronica Justen, Michael C. Kaltenberg, Kerry L. Keen, David Keuhl, Michael D. Middleton, Loretta Ortiz-Ribbing, Eric M. Sanden, Brian R. Smith, Laine Vignona, Ian S. Williams, David C. Zlesak.

GEOG 460 Advanced Geographic Information Systems 3 cr.

GEOL 270 Internship I 2-4 cr.

GEOL 370 Internship II 2-4 cr.

GEOL 490 Independent Study in Geology 1-3 cr.

MATH Any math class 167 or higher

PHYS Any physics class 204 or higher

SOIL 120 Introductory Soil Science 3 cr.

SOIL 289 Special Topics in Soil Science: Soil Judging 1 cr.

SOIL 325 Hydric Soils and Wetland Environments 3 cr.

SOIL 350 Pedology 4 cr.

SOIL 440 Soil and Water Conservation 4 cr.

SOIL 460 Soil Physics 3 cr.

Note: All geology majors must also complete a service learning/professional development requirement. See your adviser for details.

Emphases

An emphasis is not a minor but is a suggested series of courses taken as directed electives that fit together well, fit well with the geology major and that would help a career in the designated area. Consult with geology faculty for more information.

Environmental/Engineering: **GENG 235, 236, 265, SOIL 460, MATH 167**

Environmental/Hydrogeology: See Hydrogeology Minor

Graduate School: **MATH 167, ENGL 367, CSIS 105, Field Geology, GEOL 490**

Mineral Exploration: **ESM 333, GEOG 250, 360, CHEM 251, 256, Field Geology, GEOL 490**

Ocean Sciences: **CSIS 105, BIOL 230, 434, MATH 167, CHEM 251, 256, PHYS 311, GEOL 202**

Paleontology: **MATH 167, CSIS 105, Field Geology, BIOL 230, GEOL 490, additional courses in Biology**

Petroleum Geology: **GEOL 445, Field Geol., BIOL 324, 355, CHEM 231, 232, GENG 236, 368, GEOL 490**

University of Wisconsin-River Falls
410 S. 3rd Street, River Falls WI 54022 USA
Campus Information (715) 425-3911

Catalog

Geology Minor

Geology Minor: 21 Total Credits

Required Courses 13 cr. hrs.

GEOL 102 Introductory Geology Lab 1 cr.

GEOL 150 Historical Geology 4 cr.

GEOL 230 Mineralogy 4 cr.

GEOL 231 Petrology 4 cr.

Electives in Geology 8 cr. hrs.

Select from 300 or 400 level Geology courses except GEOL 330

Department of Plant and
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University of Wisconsin-River Falls
410 S. 3rd Street, River Falls WI 54022 USA
Campus Information (715) 425-3911

Catalog

German Minor

German Minor

German Minor: 22 Total Credits

Required Courses: 19 cr. hrs.

GERM 102 Beginning German II 4

GERM 201 Intermediate German I 3

GERM 202 Intermediate German II 3

GERM 301 Conversation and Composition I 3

GERM 302 Conversation and Composition II 3

GERM 401 Advanced German Communication 3

Directed Electives: 3 cr. hrs.

Select 3 credits from:

GERM 275 Business German 3

GERM 315 German Classic and Modern Film 3

GERM 341 German Civilization 3

GERM 342 Modern German-speaking Cultures 3

GERM 351 Survey of German Literature to Classicism 3

GERM 352 Survey of German Literature from Classicism to Present 3

MODL 379 Internship in Modern Language 2-3

German Minor-Education

Complete German minor program

(must include 341 or 342)

Required supporting courses not part of minor: 6 cr. hrs.

GERM 350 German Phonetics 3

TED 437 Techniques of Middle/Secondary Education: Modern Language 2

TED 448 Techniques of Elementary Education: Modern Language 2

Department of Modern
Language

284 Kleinpell Fine Arts

(715) 425-3121

www.uwrf.edu/MODL/

Kristine Butler-Chair, Cecilia
Bustamante, Terrence Mannerter,
Juan-Carlos Chaves, Rebecca Raham,
Christelle Curilli, Judy Wyatt-Schlei,
Julie Kovacic, Lisa Showers, Magara
Maeda, Wen Zhang

University of Wisconsin-River Falls
410 S. 3rd Street, River Falls WI 54022 USA
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Health and Human Performance Major

Health and Human Performance Major

Comprehensive K-12 Physical Education 54 Total Credits (teacher certifiable)

DANC 120 Fundamentals of Movement Through Dance 1 cr.

DANC 257 Rhythms 2 cr.

DANC 362 Dance for the Elementary School 2 cr.

HEAL 263 Human Anatomy 3 cr.

HEAL 366 Exercise Physiology 3 cr.

P ED 161 Intro. to Health and Human Performance 3 cr.

P ED 172 Instructional Strategies 1 1 cr.

P ED 201 Outdoor Education Concepts and Skills-Summer Activities 3 cr.

P ED 241 Motor Learning 3 cr.

P ED 245 Motor Development throughout Life 3 cr.

P ED 261 Fitness Concepts and Activities 3 cr.

P ED 262 Lifetime Concepts and Activities 3 cr.

P ED 263 Team Concepts and Activities 3 cr.

P ED 300 Adapted Physical Education 3 cr.

P ED 305 Developmental and Adapted Physical Education 3 cr.

P ED 354 Biomechanics 3 cr.

P ED 372 Instructional Strategies II 3 cr.

P ED 375 Physical Activity Behavior 3 cr.

P ED 455 Organization and Administration of Physical Education 3 cr.

P ED 461 Senior Seminar 3 cr.

Professional Courses: 35 cr. hrs.

TED 211 or 212 Educational Psychology Elem. or Secondary 5 cr.

TED 252 Multicultural Education 3cr.

TED 420 School and Society 3 cr.

TED 422 Content Area Literacy in Middle/Secondary School 3 cr.

TED 425 Techniques of Elementary ED-PE 3 cr.

TED 435 Techniques of Middle/Secondary Education: Physical Ed. 3 cr.

TED 475 Student Teaching: K-12 12 cr.

SPED 330 The Exceptional Child 3 cr.

Exercise and Sport Science 34 Total Credits

Minor required (non-certifiable)

Requirements: 34 cr. hrs.

EXSS 450 Sport, Fitness and Recreation Management 3 cr.

EXSS 466 Exercise Assessment, Prescription and Leadership 3 cr.

HEAL 263 Human Anatomy 3 cr.

HEAL 315 Nutrition 3 cr.

HEAL 366 Exercise Physiology 3 cr.

P ED 161 Intro to Health and Human Performance 3 cr.

P ED 245 Motor Development throughout Life 3 cr.

P ED 354 Biomechanics 3 cr.

Department of Health and Human Performance

111 Karges Center

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Chair-Ken Ecker, Debra Allyn, Jeff Berkhof, Greg Bower, Aaron Decker, Gary Eloranta, Patti Ford, Steve Freeman, Stacy Furness, James Gostomski, Cindy Holbrook, Joe O'Kroy, Faye Perkins, Robert Ritzer, Paul Shirilla, Matt Walker, Karla Zhe

The health and human performance major provides students with four options:

K-12 Physical Education: A 54-credit comprehensive program (no minor required) that qualifies graduates to teach K-12 Physical Education in the public school setting.

Exercise and Sport Science: A 34-credit program, plus minor, designed for students who seek careers in health promotion, cardiac rehabilitation, personal training, or sport management. Students who plan to continue their education at the graduate level in areas such as exercise physiology, athletic training, sport psychology, or Biomechanics, may also wish to choose this option.

Health Education: A 34-credit program, plus minor, designed to prepare students to teach health education in the public school setting.

Health and Wellness Management: A 63-credit collaborative, online program offered jointly by UW-River Falls, UW-La Crosse, UW-Stevens

- P ED 375 Physical Activity Behavior 3 cr.
- P ED 461 Senior Seminar in Health and Human Performance 3 cr.
- P ED 465 Scientific Principles of Conditioning 3 cr.
- SFED 200 First Aid and Basic Life Support 1 cr.

Directed Electives: (Select 2 or more credits)

- HEAL 269 Wellness 3 cr.
- P ED 109 Recreational Climbing 1 cr.
- P ED 201 Outdoor Ed. Concepts: Summer 3 cr.
- P ED 202 Outdoor Ed. Concepts: Winter 3 cr.
- P ED 213 Care and Prevention of Athletic Injury 2 cr.
- >P ED 301 Foundations of Outdoor Leadership 3 cr.
- P ED 351 Coaching Young Athletes 2 cr.
- P ED 363 Psychology of Coaching 3 cr.
- SOCI 230 Sociology of Sport and Leisure 3 cr.

Professional courses 14 cr. hrs.

- EXSS 271 Practicum I 1 cr.
- EXSS 467 Exercise for Special Populations 3 cr.
- EXSS 471 PE Practicum II 4-12 cr.
- PSYC 236 Developmental Psychology: Childhood and Adolescence 3 cr.
- PSYC 336 Developmental Psychology: Adulthood and Aging 3 cr.

Health Education 34 Total credits

Minor required (teacher certification)

- HEAL 263 Human Anatomy 3 cr.
- HEAL 269 Wellness 3 cr.
- HEAL 315 Nutrition 3 cr.
- HEAL 330 Safe and Emotionally Healthy Schools and Communities 2 cr.
- HEAL 350 Community Health 3 cr.
- HEAL 366 Exercise Physiology 3 cr.
- HEAL 460 Teaching of Family Life and Sexuality Education 3 cr.
- HEAL 465 Comprehensive School Health Education Programs 3 cr.
- P ED 161 Introduction to Health and Human Performance 3 cr.
- P ED 461 Senior Seminar 3 cr.
- SFED 212 First Aid/CPR Instructor 1 cr.
- SOWK 250 Use, Abuse, and Addiction 3 cr.

Required Supporting Course: 3 cr. hrs.

- GEOG 300 Environmental Education 3 cr.
- or **ESM 300** Environmental Education

Professional Education Requirements: 35 cr. hrs.

- SPED 330 Exceptional Child 3 cr.
- TED 120 Education & Technology 3 cr.
- TED 212 Educational Psychology: Middle and Secondary Education 5 cr.
- TED 252 Multicultural Education 3 cr.
- TED 420 School and Society 3 cr.
- TED 422 Content Area Literacy in Middle/Secondary School 3 cr.
- TED 429 Techniques of Secondary Education: Health Education 3 cr.
- TED 473 Student Teaching: Middle Level 6 cr.
- TED 474 Student Teaching: Secondary 6 cr.

Health and Wellness Management 63 Total Credits

Requirements: 63 cr. hrs.

Course and Campus

Point, and UW-Superior. Must have an Associate's Degree from an accredited institution of 60 credits of equivalent coursework.

Students from all disciplines are encouraged to enjoy the opportunities provided through minors in health education, coaching, dance education, or outdoor education. An Adapted Physical Education minor is also available for students seeking K-12 physical education certification or for teachers who are already certified in K-12 physical education.

HWM 300 Introduction to Human Health: UW-River Falls
HWM 310 Life Span Changes: UW-River Falls
HWM 320 Health and Medical Terminology: UW-Superior
HWM 330 Survey of Information Technology in Healthcare: UW-La Crosse
HWM 340 The Wellness Professional: UW-Stevens Point
HWM 350 Applied Research Methods in Health: UW-River Falls
HWM 360 Stress and Dependencies and Addictions: UW-Superior
HWM 370 Health Behavior/ Understanding and Effecting Change: UW-Superior
HWM 380 Environmental Health: UW-La Crosse
HWM 390 Marketing and Communications for Health and Wellness: UW-Stevens Point
HWM 400 Health Resource Management: UW-River Falls
HWM 410 Applied Anatomy and Exercise Physiology: UW-Superior
HWM 420 Health Literacy: UW-La Crosse
HWM 430 Population Health: UW-La Crosse
HWM 440 Introduction to Health and Wellness Coaching: UW-Stevens Point
HWM 450 Medical Ethics & Policy: UW-River Falls
HWM 460 Leadership and Change Management in Health: UW-Superior
HWM 470 Assessment and Evaluation: UW-La Crosse
HWM 480 Health Benefit Plans and Providers: UW-Stevens Point
HWM 490 Employee Health and Well-Being: UW-Stevens Point
HWM 495 Capstone. Project Rotating*

*All campuses are sharing in responsibility of supervision and management of capstone course, and instruction of the course will rotate from campus to campus annually.

Students will be allowed to take the above courses in whatever order works for them, as long as they meet the internal course prerequisites specified in the course descriptions.

University of Wisconsin-River Falls
410 S. 3rd Street, River Falls WI 54022 USA
Campus Information (715) 425-3911

Health and Wellness Management Major

Health and Wellness Management 63 Total Credits

The Bachelor of Science in Health and Wellness Management consists of 21 courses. Each student in the program is required to successfully complete all 21 courses to graduate. There are no electives in the program. Each course is worth three credits.

- HWM 300 Introduction to Human Health
- HWM 310 Changes Across the Life Span
- HWM 320 Health and Medical Terminology
- HWM 330 Survey of Information Technology in Health Care
- HWM 340 The Wellness Profession
- HWM 350 Applied Research Methods
- HWM 360 Stress and Dependencies and Addictions
- HWM 370 Health Behavior/Understanding and Effecting Change
- HWM 380 Environmental Health
- HWM 390 Marketing and Communication for Health and Wellness
- HWM 400 Health Resource Management
- HWM 410 Applied Anatomy and Fitness Principles
- HWM 420 Health Literacy
- HWM 430 Population Health
- HWM 440 Health and Wellness Coaching
- HWM 450 Medical Ethics/Policy
- HWM 460 Leadership and Change Management in Health
- HWM 470 Assessment and Evaluation
- HWM 480 Health Benefit Plans and Providers
- HWM 490 Employee Health and Well Being
- HWM 495 HWM Capstone

Additional Requirements/Prerequisites

The Bachelor of Science in Health and Wellness Management has four prerequisite courses. These courses, or equivalent courses, must be completed before taking the specific program courses for which each is required. The four prerequisite courses are:

- Introduction to Psychology (UWRF PSYC 101 or equivalent)
- Introduction to Biology (UWRF BIOL 100 or 150 or equivalent)
- Introduction to Public Speaking (UWRF COMS 101 or CSTA 101 or equivalent)
- Composition II (UWRF ENGL 200 or equivalent)

Health and Wellness Management (HWM)

<http://hwm.wisconsin.edu/> 

hwm@uwex.edu 

1-877-UW-LEARN (877-895-3276)

At UW-River Falls, the Health and Wellness Management major is housed in the College of Education and Professional Studies.

Academic Director ~ Ken Ecker
Program Manager ~ Kristen Allen
Faculty ~ Joseph O'Kroy
Adjunct Faculty ~ Arthur Bogdanove; Ingrid Trausch

The Bachelor of Science in Health and Wellness Management is a collaborative effort of four University of Wisconsin campuses ~ UW-La Crosse, UW-River Falls, UW-Stevens Point, and UW-Superior ~ and UW-Extension. It equips students with the skills necessary to design, develop, implement, and maintain health and wellness programs in the workplace. This degree program helps students learn more about the seven dimensions of wellness and how they affect our lives and well-being.

General Education Requirements

The Bachelor of Science in Health and Wellness Management is a 63-credit online bachelor's degree completion program. Prospective students who have completed the first two years of a bachelor's degree or have an associate's degree may apply directly to the program. To be eligible for admission, students must have

completed at least 60 college level semester credits of transferable coursework with a 2.0 or better grade point average (GPA). At UW-River Falls, students must also complete courses in multidisciplinary inquiry, American cultural diversity, and global perspectives as a part of their first two years of college coursework or while they are completing the required 21 Health and Wellness Management courses.

University of Wisconsin-River Falls
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Health Education Minor

Program Requirements

22 Total Credits

Required Courses

- HEAL 262** Human Anatomy and Physiology 3 cr.
(or **HEAL 263** and 366)
- HEAL 269** Wellness 3 cr.
- HEAL 315** Nutrition 3 cr.
- HEAL 350** Community Health 3 cr.
- HEAL 460** Teaching of Family Life and Sexuality Education 3 cr.
- HEAL 465** Comprehensive School Health Education 3 cr.
- SFED 212** First Aid/CPR Instructor 1 cr.
- SOWK 250** Use, Abuse and Addiction 3 cr.

Required supporting course

Choose one of the following:

- GEOG 300** Environmental Education 3 cr.
- or **ESM 300** Environmental Education

Other professional courses and student teaching required for certification:

- TED 414** Development of the Transescent 3 cr.
Required for Minnesota licensure
- TED 429** Techniques of Secondary Education: Health Education 3 cr.
- TED 473/474** Student Teaching 12 cr.

Department of Health and
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Berkhof, Greg Bower, Aaron Decker,
Gary Eloranta, Patti Ford, Steve
Freeman, Stacy Furness, James
Gostomski, Cindy Holbrook, Joe
O'Kroy, Faye Perkins, Robert Ritzer,
Paul Shirilla, Matt Walker, Karla Zhe

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History Major

Major in History-Liberal Arts 36 Total Credits

Core Requirements 6 cr. hrs.

HIST 101 Origins of Civilization (supporting course)*, 3 cr.

HIST 102 Origins of One World, 3 cr.

HIST 485 History Seminar, 3 cr.

*Required supporting course; credits apply in GEN. ED.

Required Courses

Choose one of the following Non-Western History Courses, 3 cr. hrs.

HIST 201 Introduction to Asian Civilization, 3 cr.

HIST 202 Introduction to Latin American Civilizations, 3 cr.

HIST 203 The Mediterranean: A Survey, 3 cr.

Choose three of the following U.S. History Courses** 9 cr. hrs

HIST 204 U.S. Immigration and Ethnic History, 3

HIST 205 Women's History: United States, 3

HIST 206 Native Americans and the United States, 3

HIST 207 African American History, 3

HIST 215 United States History to 1865, 3

HIST 216 United States History from 1865, 3

**History 215 OR 216 required; both may be taken

Directed Electives 18 cr. hrs.

Select two advanced U.S. History courses (numbered 300 or above),
6

Select two advanced non-U.S. History courses (numbered 300 or
above), 6

Select two advanced Electives (numbered 300 or above), 6

General Education Requirements

BA and BS Liberal Arts majors as listed for CAS.

BS Education majors as listed for CEPS.

Department of History and Philosophy

307 Kleinpell Fine Arts (715) 425-3164

www.uwrf.edu/HIST/

History: Kurt Leichtle-*Chair*, Betty Bergland, Ryan Fischer, Victoria Houseman, Kiril Petkov, Chris Simer, Thomas White and Zhiguo Yang

Philosophy: Richard Horton, Matthew Meyer, Imtiaz Moosa, David Peters and Tanya Whitehouse

The Department of History and Philosophy offers courses and degrees for those who wish to learn how to read, think and write effectively. A degree in history is excellent preparation for careers in business, advertising, government, foreign service, international relations, publications, journalism and human services. It also is indicated for those who wish to pursue a career specifically in the field of history including teaching at the elementary, secondary, or college level, or working in museums, archives and libraries. Students take courses in a variety of periods, areas and topics.

Majors are encouraged to participate in an internship program for practical preparation for a career. Various options are also offered for

study in other countries of the world
as part of the degree.

Majors are strongly urged to take a
course in Women's Studies to
enhance their understanding of the
human past.

The Broad Field Social Studies Major
is recommended for secondary
teachers in Wisconsin and
Minnesota.

University of Wisconsin-River Falls
410 S. 3rd Street, River Falls WI 54022 USA
Campus Information (715) 425-3911

History Minor

Minor in History-Liberal Arts and Education 24 Total Credits

Minor Requirements

Required Courses: 12 cr. hrs.

HIST 101 Origins of Civilization, (supporting course)*, 3

HIST 102 Origins of One World, 3

***Required supporting course; credits apply in GEN. ED.**

Choose ONE of the following courses in Non-Western History, 3

HIST 201 Introduction to Asian Civilization, 3

HIST 202 Introduction to Latin American Civilizations, 3

HIST 203 The Mediterranean: A Survey, 3

Choose TWO courses in U.S. History, 6

Either

HIST 215 United States History to 1865, 3

or **HIST 216** United States History from 1865, 3

and one of the following:

HIST 204 U.S. Immigration and Ethnic History, 3

HIST 205 Women's History: U.S., 3

HIST 206 Native Americans and the United States, 3

HIST 207 African American History, 3

HIST 215 United States History to 1865, 3

HIST 216 United States History from 1865, 3

Directed Electives: 12 cr. hrs.

Select four HIST courses numbered 200 or above

Department of History and Philosophy

307 Kleinpell Fine Arts
(715) 425-3164

www.uwrf.edu/HIST/

History: Kurt Leichtle-Chair, Betty Bergland, Ryan Fischer, Victoria Houseman, Kurt Leichtle, Kiril Petkov, Thomas White and Zhiguo Yang

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Honors Program

Honors Admission Requirements

Incoming freshmen must have a composite ACT score of 27 or higher and/or have graduated in the top 10 percent of their high school class.

Sophomores, juniors, or seniors may enroll if their cumulative grade point average is 3.3 or higher.

Students must maintain a 3.3 cumulative grade point average and complete at least two Honors program credits per year to remain in the program.

The UWRF Honors program consists of 18 Honors program credits, all of which are possible to accumulate within the 120 minimum credits necessary to graduate.

Requirements for completing the Honors Program include at least 18 honors program credits and no history of academic dishonesty. Course requirements include at least one credit of HON 181 and one credit of HON 498

General Education Honors Courses

Honors program seminars and courses will meet General Education or Liberal Arts requirements whenever applicable.

Sections of General Education courses may be made available on a rotational basis to Honors Program students and often include:

CHEM 230 and 231

ENG 100, 200 and **ENG 241**

PHYS 117

Contracted Credits

(variable credits)

Any Honors Program students enrolled in a non-honors at the 200 level or above may contract with the instructor to earn honors credit(s) for different work (i.e. in greater depth). These credits will be recorded as honors credits. A required form is available in the Honors Program office to gain contracted credit.

Honors Thesis/Project 1-6 cr. hrs.

Required of all participants during junior or senior year. Participants must submit a project or equivalent creative or scholarly projects in the Humanities, Fine Arts, Social Sciences and Education, and suggest appropriate faculty reviewers to the Honors Director for approval before commencing their work. Each project will be evaluated by three faculty chosen by the student and approved by the Honors Director. Projects may be graded pass/fail at the student,s request.

Interdisciplinary

104 North Hall
(715) 425-0699

Nanette Jordahl ✉-Director

The UW-River Falls Honors Program is designed to meet the educational needs of students who have an outstanding record of academic achievement and a true sense of intellectual adventure. It allows students to experience a variety of course types and educationally related experiences while gaining academic credit.

Students enrolled in the program may choose Honors sections of many general education classes, take introductory and advanced Honors seminars, complete an Honors thesis/project, enroll in a service-learning experience for credit and receive credits for participation in the intellectual and creative life of the UWRF community and elsewhere. All of these experiences are gained while still keeping within the major and minor requirements of an Honors student's academic program.

Other links of interest:

[National Collegiate Honors Council](#) ✉

[Upper Midwest Honors Council](#) ✉

[Nationwide and International Honors Programs](#) ✉

Projects undertaken for departmental senior seminars may be accepted as honors theses/projects at the discretion of the department and the Honors Director.

Service Learning Component 1-6 cr. hrs.

Service learning in this context means unpaid volunteer work that will benefit the community and provide a significant learning experience. Service learning is based on the rationale that learning occurs through reflection on the service. One credit equals 45 hours of service learning. Service learning hours must be documented as to the amount of time contributed and the learning component completed. Participants must submit a proposal for service learning project(s) to the Honors Director for their approval prior to the service learning activity. These proposals will describe the service learning activity, outline its connection to the student,s course work, and include the signature of the student,s proposed field supervisor. Service learning hours may be planned and carried out individually, through the UWRF Collegiate Honors Society, or with another organization. Honors program students are encouraged to arrange service learning activities through other organizations they belong to in order to stimulate participation by other university community members. Service Learning is graded on a pass/fail basis.

Events 0-2 cr. hrs.

This component is meant to encourage Honors Program participants to engage in the intellectual and creative life of the UW-River Falls community and elsewhere. Approved events will include attendance or participation in professional meetings, lectures, concerts, plays, and art exhibits. Participants must submit an event proposal to the Director prior to the events describing the events to be attended and, wherever possible, drawing connections between them and the participant,s course of study. Five events (12 hours minimum) equal one credit. Participants must provide a portfolio of short reaction papers to each event and appropriate evidence of participation in order to earn credit. Events are graded on a pass/fail basis

University of Wisconsin-River Falls
410 S. 3rd Street, River Falls WI 54022 USA
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Horticulture Major

Horticulture Major: 64-68 Total Credits

Required Core HORT Courses: 16 cr. hrs.

- HORT 169 Introduction to Horticulture 3 cr.
- HORT 200 Plant Propagation 3 cr.
- HORT 255 Turfgrass Science and Management 3 cr.
- HORT 310 Greenhouse Management 3 cr.
- HORT 352 Woody Landscape Plants 3 cr.
- HORT 485 Senior Seminar in Horticulture 1 cr.

Required Related Courses: 20 cr. hrs.

- SOIL 311 Soil Fertility 4 cr.
- BIOL 314 Plant Pathology 3 cr.
- CHEM 230 General Organic Chemistry 3 cr.
- AGEC 361 Horticultural Business Management 3 cr.
or AGBI 251 Agricultural Biochemistry 3 cr.
- CROP 435 Crop Physiology 4 cr.
- CROP 257 Genetics 3 cr.
or ANSC 257 Genetics

Horticulture Options (Choose one)

Professional Horticulture Option 28-31 cr. hrs.

- BIOL 333 Entomology 3 cr.
- HORT 327 Vegetable Science and Production 4 cr.
- HORT 347 Fruit Science and Production 4 cr.
- HORT 420 Floriculture 4 cr.
- HORT 270/370 Horticulture Internship 4 cr.

Select one design-related course from the following:

- HORT 245 Interior Plantscapes 3 cr.
or HORT 250 Sustainable Landscape Design 4 cr.
or HORT 268 Herbaceous Perennials 3cr.

Select one plant production-related course from the following:

- HORT 369 Plant Tissue Culture 3 cr.
or HORT 452 Arboriculture/Nursery Management 3 cr.

Select one business-related course from the following:

- AFES 310 Human Resource Management 3 cr.
or AGECE 410 Professional Selling 3 cr.

Unrestricted electives: to reach 120 cr. total

Landscape Design and Management Option 31-33 cr. hrs.

Select two from:

- HORT 201 Hardscape Design: Paver, Patios and Retaining Walls 1 cr.
- HORT 202 Landscape Irrigation Management 1 cr.
- HORT 203 Design and Management of Landscape Lighting and Water Features 1 cr.
or AGECE 333 Landscape Construction 3 cr.
- ESM 151 Introduction to Land Use Theory and Practice 3 cr.
- HORT 250 Sustainable Landscape Design 4 cr.

[View all Horticulture Course Descriptions](#) 

General Education Requirements

Foundation Courses in Agriculture 12 cr. hrs.

- CROP 161 Introduction to Plant Science 3 cr.
or HORT 161 Introduction to Plant Science
- AGEN 150 Agricultural and Environmental Engineering Technology 3 cr.
- SOIL 120 Introduction to Soil Science 3 cr.
- AGECE 230 Agricultural Economics I 3 cr.

Department of Plant and Earth Science

324 Agricultural Science
(715) 425-3345
www.uwrf.edu/PES/

Donavon H. Taylor-Chair, William A. Anderson, William S. Cordua, Dennis R. Cosgrove, Holly A.S. Dolliver, Terry L. Ferriss, Veronica Justen, Michael C. Kaltenberg, Kerry L. Keen, David Keuhl, Michael D. Middleton, Loretta Ortiz-Ribbing, Eric M. Sanden, Brian R. Smith, Laine Vignona, Ian S. Williams, David C. Zlesak.

HORT 268 Herbaceous Perennials 3 cr.
or HORT 245 Interior Plantscapes 3 cr.
HORT 270/370 Horticulture Internship 4 cr.
HORT 452 Arboriculture/Nursery Management 3 cr.
AFES 310 Human Resource Management 3 cr.
or AGECE 410 Professional Selling 3 cr.
ESM 411 Site Planning and Development 3 cr.
or GENG 368 CAD Applications 3 cr.
HORT 327 Vegetable Science and Production 4 cr.
or HORT 347 Fruit Science and Production 4 cr.
HORT 358 Landscape Design Practicum 2 cr.
or SOIL 325 Hydric Soils and Wetland Environments 3 cr.

Business Emphasis

The Business Emphasis is a suggested series of courses that fit together well and complement the horticulture major. It is not necessary to take all of the courses. The courses are taken in addition to either of the two options. The emphasis designation is not printed on the student's transcript.

AGECE 361 Horticultural Business Management 3 cr.

Select one from:

ACCT 231 Principles of Accounting I 3 cr.

AGECE 305 Agricultural Business Accounting 3 cr.

Select one from:

BLAW 265 Business Law I 3 cr.

AGECE 345 Agricultural Law 3 cr.

Select two from:

AGECE 355 Agricultural Markets and Prices 3 cr.

AGECE 410 Professional Selling 3 cr.

AGECE 460 Agribusiness Firm Management 3 cr.

CSIS 215 Information Systems for Management 3 cr.

MNGT 330 Diversity in the Workplace 3 cr.

FINC 345 Managerial Finance 3 cr.

University of Wisconsin-River Falls
410 S. 3rd Street, River Falls WI 54022 USA
Campus Information (715) 425-3911

Catalog

Horticulture Minor

Horticulture Minor: 22-23 Total Credits

Required Courses: 19 cr. hrs.

HORT 169 Introduction to Horticulture 3 cr.

HORT 200 Plant Propagation 3 cr.

HORT 310 Greenhouse Management 3 cr.

HORT 352 Ornamental Plants 3 cr.

BIOL 314 Plant Pathology 3 cr.

Select one from:

HORT 327 Vegetable Science and Production 4 cr.

HORT 347 Fruit Science and Production 4 cr.

Directed electives: 3-4 cr. hrs.

(any HORT course, consult with horticulture faculty)

Department of Plant and
Earth Science

324 Agricultural Science
(715) 425-3345

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Donavon H. Taylor-Chair, William A. Anderson, William S. Cordua, Dennis R. Cosgrove, Holly A.S. Dolliver, Terry L. Ferriss, Veronica Justen, Michael C. Kaltenberg, Kerry L. Keen, David Keuhl, Michael D. Middleton, Loretta Ortiz-Ribbing, Eric M. Sanden, Brian R. Smith, Laine Vignona, Ian S. Williams, David C. Zlesak.

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Campus Information (715) 425-3911

Hydrogeology Minor

Hydrogeology Minor: 21 Total Credits

Required Courses 17 cr. hrs.

- ESM 360** Applied Hydrology and Water Quality 4 cr.
- ESM 412** Fate and Transport of Chemicals on the Environment 3 cr.
- ESM 413** Environmental Analysis 4 cr.
- GEOL 445** Hydrogeology 3 cr.
- SOIL 460** Soil Physics 3 cr.

Electives-Select from the following: 4 cr. hrs.

- CHEM 230** General Organic Chemistry 3 cr.
- CHEM 251** Analytical Chemistry 2 cr.
- CHEM 256** Analytical Chemistry Lab 1 cr.
- CHEM 356** Chemical Instrumentation Lab (writing intensive) 1 cr.
- BIOL 324** Microbiology 4 cr.
- GEOL 327** Geomorphology and Glacial Geology (writing intensive) 4 cr.
- GEOL 362** Stratigraphy and Sedimentation 4 cr.
- GEOL 441** Geophysics 4 cr.
- SOIL 325** Hydric Soils and Wetland Environments 3 cr.

Department of Plant and Earth Science

324 Agricultural Science
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University of Wisconsin-River Falls
410 S. 3rd Street, River Falls WI 54022 USA
Campus Information (715) 425-3911

International Studies Major

International Studies Major: 36 Total Credits

Required Courses: 21 cr. Hrs.

INTS 200 Introduction to International Studies 3 cr.

AGEC 250 World Food and Population 3 cr.

ECON 150 International Economic Issues 3 cr.

GEOG 120 Human Geography 3 cr.

HIST 102 Origins of One World 3 cr.

POLS 260 Introduction to International Relations 3 cr.

INTS 480 Senior Seminar 3 cr.

Directed Electives: 15 cr. hrs.

Select 12 credits from one of the categories below. No more than six credits can come from a single departmental prefix. Credit for **INTS 379, 389, 490, or 499** can be applied to a category after consultation with the chair. In addition, students must complete a three-credit, study-abroad experience as part of their directed electives that must be selected in consultation with an academic adviser.

Supporting Courses:

Students complete two years of a foreign language of their choice with a minimum overall grade point average of no less than 2.0; e.g., complete any two-year language at UWRF, complete testouts equivalent to two years, or complete two years at another accredited university and transfer the credits to UWRF.

Students must complete a total of at least 12 credits at the 300 level or above.

Culture

ANTH 100 Introduction to Anthropology 3 cr.

ANTH 221/SOCI 221 Global Perspectives on Women 3 cr.

ANTH 348/SOCI 348 Faces of Culture 3 cr.

ANTH 435/SOCI 435 Social and Cultural Change 3 cr.

ART 314 Art of India, China, and Japan 2 cr.

ART 318 Latin American Art 2 cr.

CSTA 313 Intercultural Communication 3 cr.

ENGL 341 European Literature 3 cr.

ENGL 428 Modern British Literature: 1940-Present 3 cr.

ENGL 441 Twentieth Century International Literature 3 cr.

ENGL 442/FILM 442/INTS 442 World Cinema 3 cr.

FILM 315/GERM 315 Classic and Modern German Film 3 cr.

FILM 316/FREN 316 History of French Cinema 3 cr.

FREN 341 French Civilization 3 cr.

FREN 342 Modern France and Francophone Cultures 3 cr.

FREN 351 Survey of French Literature to 1800 3 cr.

FREN 352 Survey of French Literature 1800 to Present 3 cr.

FREN 451 French Prose Fiction 3 cr.

FREN 452 French Poetry

The primary mission of the International Studies Program is to create global awareness by providing students with the intellectual skills and substantive knowledge necessary to meet the global challenges of the 21st Century.

Program Learning Outcomes

Substantive Knowledge

By the completion of the International Studies major, graduates will be able to:

1. identify the key agricultural, economic and business, geographic, historical, social/cultural, and political condition and trends at the global level, and the linkages to the domestic and international levels; and
2. demonstrate first-hand experience with at least one other foreign culture and way of life.

Intellectual Skills

By the completion of the International Studies major, graduates will be able to:

3. collect, assess the value of, and apply information to the study of international issues;
4. evaluate critically global issues from an interdisciplinary perspective;
5. communicate effectively in written, oral, and electronic

FREN 453 French Drama
GERM 275 Business German 3 cr.
GERM 341 German Civilization 3 cr.
GERM 342 Modern German-Speaking Cultures 3 cr.
GERM 351 Survey of German Literature to Classicism (1800) 3 cr.
GERM 352 Survey of German Literature from Classicism (1800) to Present 3 cr.
GERM 451 German Drama and Theater 3 cr.
GERM 452 German Tale, Short Story, and Novella
GERM 453 German Poetry
HIST 102 Origins of One World 3 cr. (course required for major, allowed as an elective in minor)
HIST 303 Women's History: Europe 3 cr.
HIST 305 Women's History: Global Perspectives 3 cr.
HUM 256 Arts and Ideas II 4 cr.
JOUR 460 International Communication 3 cr.
MNGT 310 Culture and Business 3 cr.
MUS 300 World Music 3 cr.
SPAN 341 Spanish Civilization to 1800 3 cr.
SPAN 342 Spanish Civilization 1800 to Present 3 cr.
SPAN 345 Latin American Civilization to 1800 3 cr.
SPAN 346 Latin American Civilization 1800 to Present 3 cr.
SPAN 351 Survey of Spanish Literature Siglo De Oro 3 cr.
SPAN 352 Survey of Spanish Literature 1898 to Present 3 cr.
SPAN 355 Survey of Latin American Literature, Conquest to Independence 3 cr.
SPAN 356 Survey of Latin American Literature Independence to Present 3 cr.
SPAN 452 Advanced Spanish Literature 3 cr.
SPAN 455 Advanced Latin American Literature 3 cr.

Development

AGEC 450 Introduction to Natural Resources Economics 3 cr.
ANTH 338/SOCI 338 Global Perspectives on Health and Disease 3 cr.
ECON 150 International Economic Issues 3 cr. (course required for major, allowed as an elective in minor)
ECON 328 Domestic Topics in African, Asian, and Latin American Economic Development 3 cr.
ECON 329 Global Topics in African, Asian, and Latin American Economic Development 3 cr.
ECON 340 Contemporary International Trade Issues 3 cr.
ECON 342 International Finance 3 cr.
ECON 344 Comparative Economic Systems 3 cr.
ESM 377 Business Ecology 3 cr.
GEOG 220 Economic Geography 3 cr.
GEOG 343 Africa 3 cr.
HIST 330 Revolutions in Modern History 3 cr.
HIST 436 History of Colonialism and Imperialism 3 cr.
MKTG 355 International Marketing 3 cr.
MNGT 250 Global Business & Society
MNGT 355 International Business 3 cr.
MNGT 310 Culture and Business 3 cr.
MNGT 380 International Business Seminar 3 cr.
POLS 344 Politics of the Developing World 3 cr.
POLS 369 Politics of the World Economy 3 cr.

contexts;

6. organize and complete independent inquiry and analysis; and
7. demonstrate an intermediate-level competency in a second language, equivalent to at least two years\ of college-level work.

Interdisciplinary Program
355 KFA
(715) 425-3318/3798
www.uwrf.edu/INTS

International Studies Program
 Committee:
 Chair-Wes Chapin, political science;
 Brenda Boetel, agricultural
 economics; Cecilia Bustamante,
 modern language; Ozcan Kilic,
 management and marketing;
 Charles Rader, geography; Ogden
 Rogers, social work

Global Science and Environment

AGEC 450 Introduction to Natural Resources Economics 3 cr.
ANTH 338/SOCI 338 Global Perspectives on Health and Disease 3 cr.
ESM 105 Introduction to Environmental Studies 3 cr.
ESM 377 Business Ecology 3 cr.
GEOG 212 Weather and Climate 3 cr.
GEOG 214 World Patterns of Plants and Animals 3 cr.
GEOG 412 Advanced Climatology 3 cr.
GEOL 202 Oceanography 2 cr.
GEOL 269 Environmental Geology 2 cr.
GEOL 327 Geomorphology & Glacial Geology 3 cr.
GEOL 330 Meteorology 3 cr.

Conflict and Peace

HIST 327 World War I to World War II 3 cr.
HIST 328 World War II to the Cold War 3 cr.
HIST 330 Revolutions in Modern History 3 cr.
HIST 349/POLS 349 Modern Middle East History and Politics 3 cr.
HIST 359 U.S. History from 1945 3 cr.
HIST 367/POLS 367 History of U.S. Foreign Policy 3 cr.
POLS 245 Introduction to Comparative Politics 3 cr.
POLS 346 Politics of Western Europe 3 cr.
POLS 348 Politics of East Asia 3 cr.
POLS 364 International War and Peace 3 cr.
POLS 365 American Foreign Policy 3 cr.
POLS 369 Politics of the World Economy 3 cr.
POLS 377 The United Nations (may be taken three times) 1 cr.

Regional Studies: Asia

ART 314 Art of India, China, and Japan 2 cr.
GEOG 344 Asia and Oceania 3 cr.
HIST 201 Introduction to Asian Civilization 3 cr.
HIST 334 Modern China, 1800 to the Present 3 cr.
HIST 335 Modern Japan, 1600 to the Present 3 cr.
POLS 348 Politics of East Asia 3 cr.

Regional Studies: Europe

ENGL 341 European Literature 3 cr.
ENGL 428 Modern British Literature: 1940-Present 3 cr.
FILM 315/GERM 315 Classic and Modern German Film 3 cr.
FILM 316/FREN 316 History of French Cinema 3 cr.
HIST 203 Survey of the Mediterranean
HIST 303 Women's History: Europe 3 cr.
POLS 346 Politics of Western Europe 3 cr.
GEOG 340 Europe 3 cr.
FREN 341 French Civilization 3 cr.
FREN 342 Modern France and Francophone Cultures 3 cr.
FREN 351 Survey of French Literature to 1800 3 cr.
FREN 352 Survey of French Literature 1800 to Present 3 cr.
FREN 451 French Prose Fiction 3 cr.
FREN 452 French Poetry
FREN 453 French Drama
GERM 275 Business German 3 cr.
GERM 341 German Civilization 3 cr.
GERM 342 Modern German-Speaking Cultures 3 cr.
GERM 351 Survey of German Literature to Classicism (1800) 3 cr.
GERM 352 Survey of German Literature from Classicism (1800) to

Present 3 cr.

GERM 451 German Drama and Theater 3 cr.

GERM 452 German Tale, Short Story, and Novella

GERM 453 German Poetry

SPAN 341 Spanish Civilization to 1800 3 cr.

SPAN 342 Spanish Civilization 1800 to Present 3 cr.

SPAN 351 Survey of Spanish Literature Siglo De Oro 3 cr.

SPAN 352 Survey of Spanish Literature 1898 to Present 3 cr.

SPAN 452 Advanced Spanish Literature 3 cr.

Regional Studies: Latin America

ART 318 Latin American Art 2 cr.

GEOG 342 Latin America 3 cr.

HIST 202 Introduction to Latin American Civilizations 3 cr.

SPAN 345 Latin American Civilization to 1800 3 cr.

SPAN 346 Latin American Civilization 1800 to Present 3 cr.

SPAN 355 Survey of Latin American Literature, Conquest to Independence 3 cr.

SPAN 356 Survey of Latin American Literature Independence to Present 3 cr.

SPAN 455 Advanced Latin American Literature 3 cr.

The Study Abroad category includes those courses approved by the INTS program committee

Study Abroad

ART 376/ENGL 376 Experience Greece: Culture Past and Present 1-3 cr.

HIST 371 Study Tour Research 1-3 cr.

INTS 365 Contemporary Europe 3 cr.

INTS 370 International Study Tour 1-3 cr.

INTS 371/POLS 371 German-Speaking Europe 3 cr.

INTS 372/POLS 372 The Politics of Scotland 3 cr.

INTS 377 Semester Abroad 6 cr.

MODL 376 Mexico: A Cultural Experience 3 cr.

MODL 377 Foreign Study 6 cr.

271 CAFES depts. International Internship 4 cr.

TED Education Teaching courses Overseas Practice Teaching 6 cr.

378 within depts. Semester Abroad Research 3-6 cr.

University of Wisconsin-River Falls
410 S. 3rd Street, River Falls WI 54022 USA
Campus Information (715) 425-3911

International Studies Minor

International Studies Minor: 24 Total Credits

Required Courses: 21 cr. hrs.

INTS 200 Introduction to International Studies 3 cr.

AGEC 250 World Food and Population 3 cr.

GEOG 120 Human Geography 3 cr.

POLS 260 Introduction to International Relations 3 cr.

Directed Electives: 12 cr. hrs.

Select at least nine credits from one of the categories below. No more than six credits can come from a single department prefix. Credit for **INTS 379, 389, 490, or 499** can be applied to a category after consultation with the chair. In addition, students may complete a three-credit, study-abroad experience as part of their directed electives that must be selected in consultation with an academic adviser. Alternately, students must complete another three credits of electives drawn from any category.

Supporting Courses:

Students complete one year of a foreign language of their choice; e.g., complete any one-year language at UWRF, complete testouts equivalent to one year, or complete one year at another accredited university and transfer the credits to UWRF.

Students must complete a total of at least 6 credits at the 300 level or above.

Culture

ANTH 100 Introduction to Anthropology 3 cr.

ANTH 221/SOCI 221 Global Perspectives on Women 3 cr.

ANTH 348/SOCI 348 Faces of Culture 3 cr.

ANTH 435/SOCI 435 Social and Cultural Change 3 cr.

ART 314 Art of India, China, and Japan 2 cr.

ART 318 Latin American Art 2 cr.

CSTA 313 Intercultural Communication 3 cr.

ENGL 341 European Literature 3 cr.

ENGL 428 Modern British Literature: 1940-Present 3 cr.

ENGL 441 Twentieth Century International Literature 3 cr.

ENGL 442/FILM 442/INTS 442 World Cinema 3 cr.

FILM 315/GERM 315 Classic and Modern German Film 3 cr.

FILM 316/FREN 316 History of French Cinema 3 cr.

FREN 341 French Civilization 3 cr.

FREN 342 Modern France and Francophone Cultures 3 cr.

FREN 351 Survey of French Literature to 1800 3 cr.

FREN 352 Survey of French Literature 1800 to Present 3 cr.

FREN 451 French Prose Fiction 3 cr.

FREN 452 French Poetry

FREN 453 French Drama

GERM 275 Business German 3 cr.

Interdisciplinary Program

355 KFA

(715) 425-3318/3798

www.uwrf.edu/INTS

International Studies Program
Committee: Chair-Wes Chapin,
political science; Brenda Boetel,
agricultural economics; Cecilia
Bustamante, modern language;
Ozcan Kilic, management and
marketing; Charles Rader,
geography; Ogden Rogers, social
work Interdisciplinary Program

GERM 341 German Civilization 3 cr.
GERM 342 Modern German-Speaking Cultures 3 cr.
GERM 351 Survey of German Literature to Classicism (1800) 3 cr.
GERM 352 Survey of German Literature from Classicism (1800) to Present 3 cr.
GERM 451 German Drama and Theater 3 cr.
GERM 452 German Tale, Short Story, and Novella
GERM 453 German Poetry
HIST 102 Origins of One World 3 cr. (course required for major, allowed as an elective in minor)
HIST 303 Women's History: Europe 3 cr.
HIST 305 Women's History: Global Perspectives 3 cr.
HUM 256 Arts and Ideas II 4 cr.
JOUR 460 International Communication 3 cr.
MNGT 310 Culture and Business 3 cr.
MUS 300 World Music 3 cr.
SPAN 341 Spanish Civilization to 1800 3 cr.
SPAN 342 Spanish Civilization 1800 to Present 3 cr.
SPAN 345 Latin American Civilization to 1800 3 cr.
SPAN 346 Latin American Civilization 1800 to Present 3 cr.
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SPAN 352 Survey of Spanish Literature 1898 to Present 3 cr.
SPAN 355 Survey of Latin American Literature, Conquest to Independence 3 cr.
SPAN 356 Survey of Latin American Literature Independence to Present 3 cr.
SPAN 452 Advanced Spanish Literature 3 cr.
SPAN 455 Advanced Latin American Literature 3 cr.

Development

AGEC 450 Introduction to Natural Resources Economics 3 cr.
ANTH 338/SOCI 338 Global Perspectives on Health and Disease 3 cr.
ECON 150 International Economic Issues 3 cr. (course required for major, allowed as an elective in minor)
ECON 328 Domestic Topics in African, Asian, and Latin American Economic Development 3 cr.
ECON 329 Global Topics in African, Asian, and Latin American Economic Development 3 cr.
ECON 340 Contemporary International Trade Issues 3 cr.
ECON 342 International Finance 3 cr.
ECON 344 Comparative Economic Systems 3 cr.
ESM 377 Business Ecology 3 cr.
GEOG 220 Economic Geography 3 cr.
GEOG 343 Africa 3 cr.
HIST 330 Revolutions in Modern History 3 cr.
HIST 436 History of Colonialism and Imperialism 3 cr.
MKTG 355 International Marketing 3 cr.
MNGT 250 Global Business & Society
MNGT 355 International Business 3 cr.
MNGT 310 Culture and Business 3 cr.
MNGT 380 International Business Seminar 3 cr.
POLS 344 Politics of the Developing World 3 cr.
POLS 369 Politics of the World Economy 3 cr.

Global Science and Environment

AGEC 450 Introduction to Natural Resources Economics 3 cr.

ANTH 338/SOCI 338 Global Perspectives on Health and Disease 3 cr.
ESM 105 Introduction to Environmental Studies 3 cr.
ESM 377 Business Ecology 3 cr.
GEOG 212 Weather and Climate 3 cr.
GEOG 214 World Patterns of Plants and Animals 3 cr.
GEOG 412 Advanced Climatology 3 cr.
GEOL 202 Oceanography 2 cr.
GEOL 269 Environmental Geology 2 cr.
GEOL 327 Geomorphology & Glacial Geology 3 cr.
GEOL 330 Meteorology 3 cr.

Conflict and Peace

HIST 327 World War I to World War II 3 cr.
HIST 328 World War II to the Cold War 3 cr.
HIST 330 Revolutions in Modern History 3 cr.
HIST 349/POLS 349 Modern Middle East History and Politics 3 cr.
HIST 359 U.S. History from 1945 3 cr.
HIST 367/POLS 367 History of U.S. Foreign Policy 3 cr.
POLS 245 Introduction to Comparative Politics 3 cr.
POLS 346 Politics of Western Europe 3 cr.
POLS 348 Politics of East Asia 3 cr.
POLS 364 International War and Peace 3 cr.
POLS 365 American Foreign Policy 3 cr.
POLS 369 Politics of the World Economy 3 cr.
POLS 377 The United Nations (may be taken three times) 1 cr.

Regional Studies: Asia

ART 314 Art of India, China, and Japan 2 cr.
GEOG 344 Asia and Oceania 3 cr.
HIST 201 Introduction to Asian Civilization 3 cr.
HIST 334 Modern China, 1800 to the Present 3 cr.
HIST 335 Modern Japan, 1600 to the Present 3 cr.
POLS 348 Politics of East Asia 3 cr.

Regional Studies: Europe

ENGL 341 European Literature 3 cr.
ENGL 428 Modern British Literature: 1940-Present 3 cr.
FILM 315/GERM 315 Classic and Modern German Film 3 cr.
FILM 316/FREN 316 History of French Cinema 3 cr.
HIST 203 Survey of the Mediterranean
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POLS 346 Politics of Western Europe 3 cr.
GEOG 340 Europe 3 cr.
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GERM 352 Survey of German Literature from Classicism (1800) to Present 3 cr.
GERM 451 German Drama and Theater 3 cr.

GERM 452 German Tale, Short Story, and Novella
GERM 453 German Poetry
SPAN 341 Spanish Civilization to 1800 3 cr.
SPAN 342 Spanish Civilization 1800 to Present 3 cr.
SPAN 351 Survey of Spanish Literature Siglo De Oro 3 cr.
SPAN 352 Survey of Spanish Literature 1898 to Present 3 cr.
SPAN 452 Advanced Spanish Literature 3 cr.

Regional Studies: Latin America

ART 318 Latin American Art 2 cr.
GEOG 342 Latin America 3 cr.
HIST 202 Introduction to Latin American Civilizations 3 cr.
SPAN 345 Latin American Civilization to 1800 3 cr.
SPAN 346 Latin American Civilization 1800 to Present 3 cr.
SPAN 355 Survey of Latin American Literature, Conquest to Independence 3 cr.
SPAN 356 Survey of Latin American Literature Independence to Present 3 cr.
SPAN 455 Advanced Latin American Literature 3 cr.

The Study Abroad category includes those courses approved by the INTS program committee

Study Abroad

ART 376/ENGL 376 Experience Greece: Culture Past and Present 1-3 cr.
HIST 371 Study Tour Research 1-3 cr.
INTS 365 Contemporary Europe 3 cr.
INTS 370 International Study Tour 1-3 cr.
INTS 371/POLS 371 German-Speaking Europe 3 cr.
INTS 372/POLS 372 The Politics of Scotland 3 cr.
INTS 377 Semester Abroad 6 cr.
MODL 376 Mexico: A Cultural Experience 3 cr.
MODL 377 Foreign Study 6 cr.
271 CAFES depts. International Internship 4 cr.
TED Education Teaching courses Overseas Practice Teaching 6 cr.
378 within depts. Semester Abroad Research 3-6 cr.

University of Wisconsin-River Falls
410 S. 3rd Street, River Falls WI 54022 USA
Campus Information (715) 425-3911

Journalism Major

Journalism Major 35 cr. hrs.

Core Requirements: 23 cr. hrs.

- JOUR 101** Introduction to Mass Communication 3 cr.
JOUR 110 Principles of Journalism 3 cr.
JOUR 201 Information Gathering 3 cr.
JOUR 202 Print News Writing or **203** Broadcast News Writing 3 cr.
JOUR 304 News Practicum (2 semesters) 4 cr.
JOUR 465 Mass Communication Law 3 cr.
Two of the following production courses: 4 cr.
JOUR 121 Radio News Production 2 cr.
JOUR 122 TV News Photography 2 cr.
JOUR 123 Editing for Print Media 2 cr.
JOUR 124 Editing for Online Media 2 cr.

Theory Courses : Select two from the following: 6 cr.

- JOUR 301** History of Film
JOUR 302 History of Documentary
JOUR 305 News in the Movies
JOUR 315 Race, Class and News
JOUR 316 Media Ethics
JOUR 319 The Media and American Politics
JOUR 320 Journalism and Public Opinion
JOUR 345 History of Mass Communication
JOUR 455 Mass Media and Society
JOUR 460 International Communication

Journalism Electives: 6 cr.

Any JOUR course.

Required Supporting Courses:

- POLS 253** State and Local Government or **POLS 211** Government and Politics in Minnesota and Wisconsin
HIST 100 Defining Events in US History
MATH 216 Elementary Statistical Concepts or **PSYC 201** Behavioral Statistics

Plus three of the following (each from different departments):

- GEOG 120** Human Geography or **220** Economic Geography
HIST any international course
INTS any course
ECON 201 Principles of Microeconomics or **202** Principles of Macroeconomics
ESM 105 Introduction to Environmental Studies or **307** Cultural Perspectives on the Environment
ETHN 200 Introduction to Ethnic Studies
PHIL 245 Eastern Religions and Islam
POLS 212 The Politics of Equality and Inequality in The United States
POLS Any international course
PSYC 285 Psychology of Prejudice and Racism

General Education

Journalism majors must take **PSYC 201** or **MATH 216** to fulfill the General Education Goal 3 (mathematics requirement).

Journalism courses cannot double count in both the journalism major and general education. Students must take courses other than journalism to meet their general education goals.

Journalism and Secondary Education.

Students interested in teaching journalism and/or serving as a newspaper or yearbook advisor at the secondary school level may major or minor in journalism, and must take a second teaching area major such as English or broad area studies. The student should consult with the dean of the College of Education and Professional Studies for specific teaching requirements.

Marketing Communications

Major. Journalism is one of seven academic departments participating in the interdisciplinary major of Marketing Communications.

International Studies Major.

Journalism offers a directed elective (**JOUR 460**) that may count toward an International Studies major.

Film Studies Minor.

Journalism is one of the departments from which courses may be taken for the Film Studies minor.

Professional Writing Minor.

Journalism is one of the subject

fields included in the Department of English Professional Writing minor.

Department of Journalism

310 North Hall

(715)425-3169

www.uwrf.edu/JOUR/

Sandra Ellis-chair, Patricia Berg,
Valica Boudry, Richard McNamara,
Andris Straumanis.

Adjuncts: Dave Bonko, Richard
Burgsteiner, Meseret Reta

The Department of Journalism is one of 109 programs in the United States accredited by the Accrediting Council on Education in Journalism and Mass Communications. In order to maintain accreditation and to fulfill the department mission of providing journalism students with a broad liberal arts education, all majors must take a minimum of 80 credit hours outside journalism and mass communication courses, including a minimum of 65 credit hours in the liberal arts and sciences. A student majoring in journalism may not double major or minor in the Digital Film and Television emphasis offered in the Communication Studies and Theatre Arts department. All journalism majors must take six supporting courses outside the major, specified under the Supporting Courses category. These six courses may be counted in other areas of the student,s degree program such as General Education, Liberal Arts, a second major, a minor, or general electives.

University of Wisconsin-River Falls
410 S. 3rd Street, River Falls WI 54022 USA
Campus Information (715) 425-3911

Journalism Minor

Journalism Minor 24 cr.

Core Requirements 19 cr.

- JOUR 101 Introduction to Mass Communication 3 cr.
- JOUR 110 Principles of Journalism 3 cr.
- JOUR 201 Information Gathering 3 cr.
- JOUR 202 Print News Writing or 203 Broadcast News Writing 3 cr.
- JOUR 304 News Practicum (1 semester) 2 cr.
- JOUR 465 Mass Communication Law 3 cr.
- One of the following production courses: 2 cr.
- JOUR 121 Radio News Production 2 cr.
- JOUR 122 TV News Photography 2 cr.
- JOUR 123 Editing for Print Media 2 cr.
- JOUR 124 Editing for Online Media 2 cr.

Theory Courses : Select one from the following: 3 cr.

- JOUR 302 History of Documentary
- JOUR 315 Race, Class and News
- JOUR 316 Media Ethics
- JOUR 319 The Media and American Politics
- JOUR 320 Journalism and Public Opinion
- JOUR 345 History of Mass Communication
- JOUR 455 Mass Media and Society
- JOUR 460 International Communication

Journalism Electives: 2 cr.

Department of Journalism

310 North Hall
(715)425-3169

www.uwrf.edu/JOUR/

Sandra Ellis-chair, Patricia Berg,
Richard McNamara, Andris
Straumanis. Adjunct: Richard
Burgsteiner.

University of Wisconsin-River Falls
410 S. 3rd Street, River Falls WI 54022 USA
Campus Information (715) 425-3911

Marketing Communications Major

Marketing Communications Major: 39 Total Credits

Core Requirements: 25-28 cr. hrs.

- ART 225** Advertising Design I 3 cr.
MARC 100 Writing for the Mass Media 3 cr.
MARC 200 Introduction to Marketing Communications 3 cr.
MARC 480 Seminar in Theory and Methods of Marketing Communications 3 cr.
MKTG 311 Principles of Marketing for Marketing Communications Majors 3 cr.
MKTG 312 Consumer Behavior 3 cr.
MARC 311 Persuasion 3 cr.

Choose one of the following internship courses: 2-4 cr. hrs.

- MARC 379** Internship in Marketing Communications
or **MARC 279** Cooperative Education/Directed Work Experience
or any CAFES department 270/370 internship
MARC 279/379 may be combined and/or repeated for a total of 4 credit hours.

Directed Electives: 14-17 cr. hrs.

Writing Electives-Select one from:

- AGED 230** Agricultural News Writing 3 cr.
or **JOUR 230** Agricultural News Writing
ENGL 266 Business Writing 3 cr.
ENGL 367 Technical Writing 3 cr.
JOUR 123 Editing for Print 2 cr.

Visual Electives-Select one from:

- ART 121** Design Foundation 3 cr.
ART 235 Intro to Black and White Photography 3 cr.
ART 236 Introduction to Print Making 3 cr.
JOUR 240 Introduction to Visual Communication 3 cr.
CSTA 160 TV Studio Production 3 cr.

Marketing/Promotion Electives-Select one from:

- AGEC 410** Professional Selling 3 cr.
MKTG 365 Marketing Research 3 cr.
MARC 360 Advertising Principles 3 cr.
MARC 370 Principles of Public Relations 3 cr.

Other Electives:

Select from the following courses or consult with department chair or adviser for additional elective choices to total 42 credits required in the major:

Please check the course descriptions in this catalog for course prerequisites.

General Education Requirements

Including the following:

Communication: CSTA 116

Business and Professional Communication

Math: Proficiency in

understanding statistics is required and may be demonstrated by completing one of the following: **MATH 216**, **PSYC 201**, **ECON 226**, **MATH 226**, **AGEC 320**, **ANSC 341**, or an equivalent course.

Completion of a listed statistics course may fulfill the general education mathematics requirement. See your adviser for further information.

Other requirements:

Portfolio: Prior to graduation, students must complete and present a professional portfolio for approval to the marketing communications unit.

Internship: An internship or approved directed work experience is required. It is the student's responsibility to originate an internship or directed work experience that meets marketing communications departmental criteria. Internships and directed work experiences must be approved by the Marketing communications internship supervisor before the work is done.

GPA: Students must maintain a 2.50 grade point average in the Marketing Communications Major.

Interdisciplinary
310 North Hall

AGEC 355 Agricultural Markets and Prices 3 cr.
AGEC 410 Professional Selling 3 cr.
AGED 230 Agricultural News Writing 3 cr.
ART 235 Introduction to Black and White Photography 3 cr.
ART 303 Advertising Design II 3 cr.
CSTA 316 Organizational Communication 3 cr.
ENGL 266 Business Writing 3 cr.
ENGL 367 Technical Writing 3 cr.
JOUR 230 Agricultural News Writing 3 cr.
JOUR 240 Introduction to Visual Communication 3 cr.
JOUR 465 Mass Communications Law 3 cr.
MARC 360 Advertising Principles 3 cr.
MARC 361 Advertising Methods 3 cr.
MARC 370 Introduction to Public Relations 3 cr.
MARC 371 Public Relations Methods 3 cr.
MKTG 352 Business to Business Marketing 3 cr.
MKTG 355 International Marketing 3 cr.
MKTG 365 Marketing Research 3 cr.
PHIL 316 Media Ethics 3 cr.
MARC 378 Semester Abroad 3 cr.

Three Required Supporting Courses:

One Statistics Course (MATH 216, PSYC 201, ECON 226, MATH 226, AGECE 320, ANSC 341, or an equivalent course)
JOUR 101 -- Introduction to Mass Communications
CSTA 116 -- Business and Professional Communication (CAS/CBE);
AGED 110 -- Agricultural Communications (CAFES)

(715) 425-3899, FAX (715) 425-0658

www.uwrf.edu/MARC/

Marketing Communications Steering Committee: Stephen Olsen-Chair, Marketing Communications; Mialisa Moline, English; Michael Padgett, Art; Darryl Miller, Business Administration; Lewis May, Agricultural Economics; Colleen Callahan, Journalism; James Pratt, Communication Studies and Theatre Arts; Tracy O'Connell, Marketing Communications.

The interdisciplinary marketing communications major integrates the activities of advertising, public relations, sales promotion, direct marketing, personal selling and cybermarketing into a single professional field of expertise. Students will develop knowledge and skills in oral, written and visual modes of communication. In addition to an introductory course and senior seminar in marketing communications, students will take courses from as many as seven departments in three colleges. Practical experience with current technology tools and a required internship program ensure that students have not only strong academic preparation, but also practical experience in marketing communications activities.

A student may complete the major in Marketing Communications in the [College of Arts and Sciences](#) or the [College of Agriculture, Food and Environmental Sciences](#). Please consult your DAR for college-specific course requirements. It is recommended that a student completing the major in CAS or CAFES have a minor in that college. A minor is not offered in marketing communications.

Mathematics Major

General Education Requirements

Mathematics Major - Liberal Arts

Mathematics Major - Liberal Arts: 37 Total Credits

Required Courses: 19 cr. hrs.

MATH 166 Calculus I 4 cr.

MATH 167 Calculus II 4 cr.

MATH 236 Discrete Mathematics 4 cr.

MATH 256 Linear Algebra 3 cr.

MATH 266 Calculus III 3 cr.

MATH 485 Seminar in Mathematics (writing intensive) 1 cr.

Directed Electives: 18 cr. hrs.

Select at least six mathematics courses numbered higher than 300, excluding Math 305 and 436

Required Supporting Courses: 3 cr. hrs.

select one from

MATH 205 Mathematical Programming 3 cr.

or CSIS 162 Programming II 3 cr.

Mathematics Major - Education

Professional Education Courses 39 cr. hrs.

TED 120 Introduction to Education and Instructional Technology 3 cr.

TED 212 Educational Psychology 5 cr.

TED 252 Foundations of Multicultural Education (d) 3 cr.

TED 420 School and Society 3 cr.

TED 438 Techniques in Middle/Sec. Education: Mathematics 3 cr.

TED 464 Content Area Literacy in Middle & Secondary School Mathematics 3 cr.

TED 467 Management Strategies for the Secondary Mathematics Classroom 3 cr.

SPED 330 Exceptional Child 3 cr.

TED 474 Student Teaching-Secondary Only 12 cr.

or TED 473 and 474 Student Teaching-Middle/Secondary (6 cr. each)

TED 414 Development of the Transescent 4 cr.

Major Requirements 36 Total Credits

Required Courses: 30 cr. hrs.

MATH 166 Calculus I 4 cr.

MATH 167 Calculus II 4 cr.

MATH 236 Discrete Mathematics 4 cr.

MATH 256 Linear Algebra 3 cr.

MATH 266 Calculus III 3 cr.

MATH 351 Abstract Algebra 3 cr.

MATH 356 Probability 3 cr.

MATH 411 Geometry 3 cr.

MATH 326 Applied Statistics 3 cr.

or MATH 357 Mathematical Statistics 3 cr.

Directed Electives: 6 cr. hrs.

Department of Mathematics

207 North Hall

(715) 425-3326

www.uwrf.edu/MATH/

Robert Coffman-Chair, Arunendu Chatterjee, Keith Chavey, Kathryn Ernie, Ioana Ghenciu, Erick Hofacker, Laurel Langford, Don Leake, Stephen List, Kathy Tomlinson, Alexandru Tupan, David Yurchak.

The mathematics department offers two options for mathematics majors, the liberal arts option and the education option. Both are based on a common core curriculum of 18 credit hours.

1. The liberal arts mathematics major is designed for students who desire a general education in mathematics as a background for graduate school or a career related to mathematics.
2. The education mathematics major is designed for prospective secondary school teachers. The curriculum provides the student with specialized preparation in mathematics and professional training required to obtain teacher certification.

Select at least two mathematics courses numbered higher than 300,
excluding MATH 305, 371, 379 and 436

Required Supporting Courses: 5 cr. hrs.

MATH 436 History of Mathematics (writing intensive) 2 cr.

MATH 305 Integrating Technology in Teaching Secondary
Mathematics 3 cr.

University of Wisconsin-River Falls
410 S. 3rd Street, River Falls WI 54022 USA
Campus Information (715) 425-3911

Mathematics Minor

Mathematics Minor - Liberal Arts

Mathematics Minor - Liberal Arts: 24 Total Credits

Required Courses: 18 cr. hrs.

MATH 166 Calculus I 4 cr.

MATH 167 Calculus II 4 cr.

MATH 236 Discrete Mathematics 4 cr.

MATH 256 Linear Algebra 3 cr.

MATH 266 Calculus III 3 cr.

Directed Electives: 6 cr. hrs.

Select at least two mathematics courses numbered 300 or higher excluding MATH 305 and 436

Required Supporting Courses: 3 cr. hrs.

Select one from

MATH 205 Mathematical Programming 3 cr.

or **PHYS 211** Scientific Program 3 cr.

or **CSIS 162** Programming II 3cr.

Mathematics Minor - Education

Early Adolescence - Adolescence

Mathematics Minor - Education: 24 Total Credits

Required Courses: 21 cr. hrs.

MATH 166 Calculus I 4 cr.

MATH 167 Calculus II 4 cr.

MATH 236 Discrete Mathematics 4 cr.

MATH 256 Linear Algebra 3 cr.

MATH 326 Applied Statistics 3 cr.

MATH 411 Geometry 3 cr.

Directed Electives: 3 cr. hrs.

Select one mathematics course numbered 266 or higher excluding MATH 279, 305, 371, 379 and 436

Required Supporting Courses: 5 cr. hrs.

MATH 305 Integrating Technology in Teaching Mathematics 3 cr.

MATH 436 History of Mathematics 2 cr.

Professional Courses (in addition to the major) 6 cr. hrs.

TED 438 Techniques in Middle/Sec. Education: Mathematics 3 cr.

TED 414 Development of the Transescent 3 cr.

Mathematics Minor - Middle Childhood - Early Adolescence

For Elementary Education Majors

Minor Requirements 22-23 Total Credits

Required Courses: 16 cr. hrs.

MATH 166 Calculus I 4 cr.

MATH 216 Elementary Statistical Concepts 3 cr.

MATH 236 Discrete Mathematics 4 cr.

MATH 248 Elementary Mathematics from an Advanced Standpoint 3

Department of Mathematics

207 North Hall

(715) 425-3326

www.uwrf.edu/MATH/

Robert Coffman-Chair, Keith Chavey, Arunendu Chatterjee, Kathryn Ernie, Ioana Ghenciu, Erick Hofacker, Laurel Langford, Don Leake, Stephen List, Kathy Tomlinson, Alexandru Tupan, David Yurchak.

cr.

MATH 436 History of Mathematics 2 cr.

Directed Electives: 6-7 cr. hrs.

select two of the following

MATH 167 Calculus II 4 cr.

MATH 256 Linear Algebra 3 cr.

MATH 260 LOGO for Teachers 3 cr.

MATH 306 Number Theory 3 cr.

MATH 336 Combinatorics and Graph Theory 3 cr.

MATH 351 Abstract Algebra 3 cr.

MATH 356 Probability 3 cr.

MATH 361 Symbolic Logic 3 cr.

MATH 411 Geometry 3 cr.

Mathematics Minor - Business or Social Science

Mathematics Minor - Business or Social Science: 24 Total Credits

Required Courses: 18 cr. hrs.

MATH 166 Calculus I 4 cr.

MATH 167 Calculus II 4 cr.

MATH 236 Discrete Mathematics 4 cr.

MATH 256 Linear Algebra 3 cr.

MATH 226 Fundamental of Statistics 3 cr.

or **MATH 326** Applied Statistics

Directed Electives: 6 cr. hrs.

Select two mathematics courses numbered 300 or higher, excluding

MATH 305, 326 and 436

University of Wisconsin-River Falls
410 S. 3rd Street, River Falls WI 54022 USA
Campus Information (715) 425-3911

Military Science and Leadership Minor

Military Science and Leadership Minor: 23-27 Credits

Military Science Area of Emphasis - 8-10 cr. hrs.

MSL 101 Leadership and Personal Development 2 cr.

MSL 102 Introduction to Tactical Leadership 2 cr.

MSL 201 Innovative Team Leadership 3 cr.

MSL 202 Foundations of Tactical Leadership 3 cr.

For students who have completed Basic Military Training or the Leaders Training Course

MSL 301 Adaptive Team Leadership 4 cr.

MSL 302 Leadership Under Fire 4 cr.

Communication Area of Emphasis - 3 cr. hrs.

Select one course

CSTA 101 Fundamentals of Oral Communication 3 cr.

CSTA 116 Business and Professional Communication 3 cr.

History Area of Emphasis - 3 cr. hrs.

Select one course

HIST 327 WWI to WWII 3 cr.

HIST 328 WWII to Cold War 3 cr.

HIST 332 The Islamic Middle East to 1500 3 cr.

HIST 358 United States History 1890-1945 3 cr.

HIST 359 United States History From 1945 3 cr.

Human Society Area of Emphasis - 6-8 cr. hrs.

Select two courses

ANTH 100 Introduction to Anthropology 3 cr.

CHIN 102 Beginning Chinese II 4 cr.

ETHN 200 Ethnic Studies 3 cr.

FREN 102 Beginning French II 4 cr.

GEOG 120 Human Geography 3 cr.

GERM 102 Beginning German II 4 cr.

INTS 200 Introduction to International Studies 3 cr.

JAPN 102 Beginning Japanese II 4 cr.

PHIL 240 Social Ethics 3 cr.

PHIL 245 Eastern Religions and Islam 3 cr.

POLS 256 Public Policy Making 3 cr.

POLS 260 Introduction to International Relations 3 cr.

POLS 364 International War and Peace 3 cr.

POLS 365 American Foreign Policy 3 cr.

POLS 367 History of United States Foreign Policy 3 cr.

SOCI 208 Sociology of Diversity 3 cr.

SPAN 102 Beginning Spanish II 4 cr.

Leadership and Management Area of Emphasis - 3 cr. hrs.

Select one course

MNGT 300 Management and Org Behavior 3 cr.

South Hall, Room 10 / 12

(715) 425-3358

www.uwrf.edu/ROTC/

Major Tabb B. Benzinger

Assistant Professor of Military
Science - Northwoods Battalion

Sergeant First Class Gary Robinson

Instructor of Military Science -
Northwoods Battalion

MNGT 330 Managing Workplace Diversity 3 cr.
MNGT 340 Ethical Leadership 3 cr.
PHIL 230 Logical Reasoning 3 cr.
POLS 225 Public Administration 3 cr.

University of Wisconsin-River Falls
410 S. 3rd Street, River Falls WI 54022 USA
Campus Information (715) 425-3911

Modern Language Major

Modern Language Major - Liberal Arts: 34 Total Credits

French Option-Liberal Arts

Required Courses: 19 cr. hrs.

- FREN 102 Beginning French II 4
- FREN 201 Intermediate French I 3
- FREN 202 Intermediate French II 3
- FREN 301 Conversation and Composition I 3
- FREN 302 Conversation and Composition II 3
- FREN 401 Advanced French Communication 3

Directed Electives: 15 cr. hrs**Select 12 credits from:**

- FREN 316 French Cinema 3
- FREN 341 French Civilization 3
- FREN 342 Modern France and Francophone Cultures 3
- FREN 351 Survey of French Literature to 1800 3
- FREN 352 Survey of French Literature 1800 to present 3

Select 3 credits from:

- FREN 451 French Prose Fiction 3
- FREN 452 French Poetry 3
- FREN 453 French Drama 3
- FREN 490 Readings in French 1-3
- MODL 379 Internship in Modern Language 2-3

French Option-Education

Required Courses: 31 cr. hrs.

- FREN 102 Beginning French II 4
- FREN 201 Intermediate French I 3
- FREN 202 Intermediate French II 3
- FREN 301 Conversation and Composition I 3
- FREN 302 Conversation and Composition II 3
- FREN 316 French Cinema 3
- FREN 341 French Civilization 3
- FREN 342 Modern France and Francophone Cultures 3
- FREN 351 Survey of French Literature to 1800 3
- FREN 352 Survey of French Literature 1800 to present 3
- FREN 401 Advanced French Communication 3

Required supporting courses not part of major: 6 cr. hrs.

- FREN 350 French Phonetics 3
- TED 437 Techniques of Middle/Secondary Education: Modern Language 2
- TED 448 Techniques of Elementary Education: Modern Language 2

German Option-Liberal Arts

Required Courses: 19 cr. hrs.

- GERM 102 Beginning German II 4
- GERM 201 Intermediate German I 3

General Education Requirements

BA and BS Liberal Arts majors as listed for **CAS**;
BS Education majors as listed for **CEPS**.

Department of Modern Language

284 Kleinpell Fine Arts**(715) 425-3121****www.uwrf.edu/MODL/**

Kristine Butler-Chair, Cecilia Bustamante, Terrence Mannetter, Juan-Carlos Chaves, Rebecca Raham, Christelle Curilli, Judy Wyatt-Schlei, Julie Kovacic, Lisa Showers, Magara Maeda, Wen Zhang

The Modern Language Department offers a major in Modern Language with French, German and Spanish options. These programs lead to a B.A. or B.S. degree in liberal arts or a B.S. degree in secondary education. Minors are offered in French, German and Spanish. Two years of Chinese and Japanese are also available. Students who have studied a modern language in high school should take the Wisconsin Modern Language Placement Test, offered in spring Regional Testing and during all registration periods. Students may test out of up to fourteen credits. Test-out credits are not granted until the student completes the next level course with the grade of B- or better.

GERM 202 Intermediate German II 3
GERM 301 Conversation and Composition I 3
GERM 302 Conversation and Composition II 3
GERM 401 Advanced German Communication 3

Directed Electives: 15 cr. hrs.

Select 12 credits from:

GERM 275 Business German 3
GERM 315 German Classic and Modern Film 3
GERM 341 German Civilization 3
GERM 342 Modern German-speaking Cultures 3
GERM 351 Survey of German Literature to Classicism 3
GERM 352 Survey of German Literature from Classicism to Present 3

Select 3 credits from:

GERM 451 German Drama and Theatre 3
GERM 452 German Tale, Short Story and Novella 3
GERM 453 German Poetry 3
GERM 490 Readings in German 1-3
MODL 379 Internship in Modern Language 2-3

German Option-Education

Complete German major option program

(must include 341 and/or 342)

Required supporting courses not part of major: 6 cr. hrs.

GERM 350 German Phonetics 3
TED 437 Techniques of Middle/Secondary Education: Modern Language 2
TED 448 Techniques of Elementary Education: Modern Language 2

Spanish Option-Liberal Arts

Required Courses: 19 cr. hrs.

SPAN 102 Beginning Spanish II 4
SPAN 201 Intermediate Spanish I 3
SPAN 202 Intermediate Spanish II 3
SPAN 301 Conversation and Composition I 3
SPAN 302 Conversation and Composition II 3
SPAN 401 Advanced Spanish Communication 3

Directed Electives: 15 cr. hrs.

Select 6 credits from:

SPAN 341 Spanish Civilization to 1800 3
SPAN 342 Spanish Civilization 1800 to Present 3
SPAN 345 Latin American Civilization to 1800 3
SPAN 346 Latin American Civilization 1800 to Present 3
MODL 376 Mexico: A Cultural Experience 3

OR

MODL 379 Internship in Modern Language 2-3

Note: Majors may take either MODL 379 or MODL 376, but not both

Select 6 credits from either Category A or B:

Category A:

SPAN 351 Survey of Spanish Literature-Siglo de Oro 3
SPAN 352 Survey of Spanish Literature-Generation of 1898 to Present 3
SPAN 355 Survey of Latin American Literature-Conquest to Independence 3
SPAN 356 Survey of Latin American Literature-Independence to Present 3

Category B:

SPAN 371 Bus/Cult. Hispanic World (3)

SPAN 372 Span for Trades and Prof. (3)

Select 3 credits from:

SPAN 452 Advanced Spanish Literature 3

SPAN 455 Advanced Latin American Literature 3

Spanish Option-Education

Complete Spanish Major Liberal Arts Option program above

Required supporting courses not part of major: 6 cr. hrs.

SPAN 350 Spanish Phonetics 3

TED 437 Techniques of Middle/Secondary Education: Modern
Language 2

TED 448 Techniques of Elementary Education: Modern Language 2

University of Wisconsin-River Falls
410 S. 3rd Street, River Falls WI 54022 USA
Campus Information (715) 425-3911

Bachelor of Arts or Bachelor of Science - Liberal Arts Music

**Music Major - Liberal Arts (minor required): 46 Total Credits
Requirements: 35 cr. hrs.**

MUS 130 Music Theory and Ear Training I 4 cr.

MUS 131 Music Theory and Ear Training II 4 cr.

MUS 230 Music Theory and Ear Training III 4 cr.

MUS 231 Music Theory and Ear Training IV 4 cr.

MUS 234 Music History and Literature I (writing intensive) 4 cr.

MUS 235 Music History and Literature II (writing intensive) 4 cr.

MUS 333 20th Century Music 3 cr.

MUSA 100 level Applied Music-credits must be in the same area. 4 cr.

MUSE Music Ensembles 4 cr.

Directed Electives: 11 cr. hrs.

MUSA or **MUSE** Performance credits (Applied Music or Ensembles) 4 - 6 cr.

Music Pedagogy, Techniques Course(s) or Academic Music course 200 level and above 4 - 6 cr.

Bachelor of Music Education

**Music Education Major 69 Total Credits
Requirements: 36 cr. hrs.**

MUS 130 Music Theory and Ear Training I 4 cr.

MUS 131 Music Theory and Ear Training II 4 cr.

MUS 230 Music Theory and Ear Training III 4 cr.

MUS 231 Music Theory and Ear Training IV 4 cr.

MUS 234 Music History and Literature I (writing intensive) 4 cr.

MUS 235 Music History and Literature II (writing intensive) 4 cr.

MUS 240 Piano Proficiency - Examination: MUS 140 0 cr.

(Class Piano) must be taken until 240 is passed; 140 and 240 credits are not counted toward music major.

MUS 333 20th Century Music 3 cr.

MUS 351 Music Education I 3 cr.

MUS 352 Music Education II 3 cr.

MUS 491 Senior Recital 0 cr.

MUS 200+ Any Music Course 200 and above 3 cr.

Pianists must take MUS 440: Piano Pedagogy

Required Courses for Choral/General Certification: 33 cr. hrs.

MUSA 127 Applied Voice-Pianists may substitute 3 cr. of Applied Piano 125 (2 per semester) 8 cr.

MUSA 327 Applied Voice (upper level)-Pianists may substitute 3 cr. of Applied Piano 325 (2 per semester) 6 cr.

MUSE 108 Concert Choir (required each semester)

MUS 102 Class Guitar 1 cr.

MUS 247 Diction I: IPA and Italian 1 cr.

MUS 248 Diction II: German and French 1 cr.

General Education Requirements

BA and BS Liberal Arts majors as listed for **CAS**.

BS Education majors as listed for **CEPS**.

Department of Music

**B46 Kleinpell Fine Arts
(715) 425-3183
www.uwrf.edu/MUS/**

David Milne - Chair

Joy Killough Amel, Thomas Barnett, Peter Benson, Gary Bird, Patti Cudd, Laura Edman, Rick Gaynor, Eric Graham, Joseph Hagedorn, Craig Hara, Giselle Hillyer, Camilla Horne, Lesa Jacobsen, Stanley King, Carol Mason-Smith, Roger McVey, Polly Meyerding, Patrick O'Keefe, Gail Olszewski, Krista Palmquist, J.W. Park, Michael Roy, Kristin Tjornehoj, Charles Wazanowski, Kirsten Whitson, Matt Wilson.

The University of Wisconsin-River Falls Music Department offers high-quality undergraduate programs in music leading to the degrees Bachelor of Music Education, Bachelor of Arts in Music, Bachelor of Science in Music, as well as Minors in Music and Musical Theater. The University of Wisconsin-River Falls is an accredited institutional member of the National Association of Schools of Music (NASM).

The Bachelor of Arts (B.A.) and Bachelor of Science (B.S.) degrees are designed for students seeking admittance to a professional

- MUS 341 Vocal and Choral Pedagogy 3 cr.
- MUS 342 Conducting 2 cr.
- MUS 344 Choral Conducting 2 cr.
- MUS 331 Choral Composition and Arranging 3 cr.
- MUS 340 Opera Techniques 3 cr.
- MUS 433 Choral Literature 3 cr.

Required Courses for Instrumental/General Certification: 33 cr. hrs.

- MUSA 100 level Applied-credits must be in the same area (2 per semester) 8 cr.
- MUSA 300 level Applied-upper level-credits must be in the same area (2 per semester) 6 cr.
- MUSE 111 University-Community Orchestra or MUSE 113 Wind Ensemble (large ensemble required each semester)
- MUS 102 Class Guitar 1 cr.
- MUS 103 Class Voice 1 cr.
- MUS 141 String Techniques 1 cr.
- MUS 241 Woodwind Techniques I 1 cr.
- MUS 242 Woodwind Techniques II 1 cr.
- MUS 243 Brass Techniques I 1 cr.
- MUS 244 Brass Techniques II 1 cr.
- MUS 245 Percussion Techniques I 1 cr.
- MUS 246 Percussion Techniques II 1 cr.
- MUS 342 Conducting 2 cr.
- MUS 343 Instrumental Conducting 2 cr.
- MUS 330 Orchestration 3 cr.
- MUS 431 Instrumental Literature 3 cr.

Required for Teacher Certification: 32 cr. hrs.

(not counted in major total)

Choral/General or Instrumental/General (courses to be taken in the College of Education)

- TED 120 Introduction to Education and Instructional Technology 3 cr.
- TED 211 or TED 212 Educational Psychology: Middle and Secondary Education 5 cr.
- TED 252 Multicultural Education 3 cr.
- TED 420 School and Society 3 cr.
- TED 422 Content Area Literacy 3 cr.
- SPED 330 The Exceptional Child 3 cr.
- TED 475 Student Teaching 12 cr.

graduate school, or pursuing a music related career. The B.A. degree does not require a minor, however it does require a selection of courses Language Competency and International Components. The B.S. degree requires a minor or double major. The B.A. and B.S. degrees do not provide teacher certification

The Bachelor of Music Education (B.M.E.) degree is designed to train and certify public school music teachers. In the B.M.E. degree program, students may elect either a Choral/General Music (K-12) emphasis (includes a piano-vocal option), or an Instrumental/General Music (K-12) emphasis. The B.M.E. degree does not require a minor.

The department also offers a Music Minor (non-teaching) and a Musical Theatre Minor. All applicants for admission to degree programs in music must satisfactorily complete a performance audition. Audition requirements for all performance areas are available from the Music Department. In addition to the performance audition, all transfer applicants must take a music theory and history placement exam. The results of the exam will determine the appropriate course levels. Music students should consult the department handbook, which clarifies course requirements and provides additional pertinent information.

The University of Wisconsin-River Falls is an accredited institutional member of the National Association of Schools of Music.

University of Wisconsin-River Falls
410 S. 3rd Street, River Falls WI 54022 USA
Campus Information (715) 425-3911

Catalog

Music Minor

Music Minor: 24 Total Credits

Required Courses: 16 cr. hrs.

MUS 130 Music Theory and Ear Training I 4 cr.

MUS 131 Music Theory and Ear Training II 4 cr.

MUS 234 Music History and Literature I (writing intensive) (can be double counted in Gen. Ed.) 4 cr.

MUS 235 Music History and Literature II (writing intensive) 4 cr.

Directed Electives: 8 cr. hrs.

MUS Choose from the areas of music history, music theory, jazz, composition, piano pedagogy, or applied.

Department of Music

B46 Kleinpell Fine Arts

(715) 425-3183

www.uwrf.edu/MUS/

David Milne - Chair

Joy Killough Amel, Thomas Barnett,
Peter Benson, Gary Bird, Patti Cudd,

Laura Edman, Rick Gaynor, Eric

Graham, Joseph Hagedorn, Craig

Hara, Giselle Hillyer, Camilla Horne,

Lesa Jacobsen, Stanley King, Carol

Mason-Smith, Roger McVey, Polly

Meyerding, Patrick O'Keefe, Gail

Olszewski, Krista Palmquist, J.W.

Park, Michael Roy, Kristin Tjornehoj,

Charles Wazanowski, Kirsten

Whitson, Matt Wilson.

University of Wisconsin-River Falls
410 S. 3rd Street, River Falls WI 54022 USA
Campus Information (715) 425-3911

Outdoor Education Minor

Program Requirements

22 Total Credits

Required Courses: 11-14 cr. hrs.

P ED 201 Outdoor Education Concepts and Skills-Summer 3 cr.

P ED 202 Outdoor Education Concepts and Skills-Winter 3 cr.

P ED 371 Recreation Field Study 1-4 cr.

P ED/ESM 301 Foundation of Outdoor Leadership 3 cr.

SFED 200 First Aid and Basic Life Support 1 cr.

Electives 8-11 cr. hrs.

ESM 300 Environmental Education 3 cr.

or **GEOG 300** Environmental Education

ESM 307 Multicultural Perspectives in the Environment 3 cr.

ESM 365 Interpretive Services 3 cr.

EXSS 450 Sport, Fitness and Recreation Management 3 cr.

GEOL 269 Environmental Geology 2 cr.

P ED 109 Recreational Climbing 1 cr.

PE 118 Scuba .5 cr.

PE 128 Fundamentals of Ice Skating .5 cr.

P ED 147 Water Safety Instructor 2 cr.

P ED 255 Techniques in Sport Fishing 1 cr.

P ED 300 Adapted Physical Education 3 cr.

P ED 389 Special Topics in Physical Education 3-5 cr.

POLS 355 Environmental Law 3 cr.

SOCI 230 Sociology of Sport and Leisure 3 cr.

TED 312 Techniques in Elementary Education: Science 4 cr.

Department of Health and
Human Performance

111 Karges Center

(715) 425-3705

www.uwrf.edu/hhp/

Chair-Ken Ecker, Debra Allyn, Jeff
Berkhof, Greg Bower, Aaron Decker,
Gary Eloranta, Patti Ford, Steve
Freeman, Stacy Furness, James
Gostomski, Cindy Holbrook, Joe
O'Kroy, Faye Perkins, Robert Ritzer,
Paul Shirilla, Matt Walker, Karla Zhe

University of Wisconsin-River Falls
410 S. 3rd Street, River Falls WI 54022 USA
Campus Information (715) 425-3911

Catalog

Philosophy Minor

Philosophy Requirements, 24 Total Credits

Required Courses: 9 cr. hrs.

PHIL 221 Ancient Philosophy 3 cr.

PHIL 230 Logical Reasoning 3 cr.

PHIL 323 Science and the Philosophers in the Age of Enlightenment 3 cr.

Directed Electives: 15 cr. hrs.

Five additional PHIL courses

Department of History and Philosophy

307 Kleinpell Fine Arts

(715) 425-3164

www.uwrf.edu/HIST/

History: Brian Copp-Interim Chair, Betty Bergland, Ryan Fischer, Victoria Houseman, Kurt Leichtle, Kiril Petkov, Thomas White and Zhiguo Yang

Philosophy: Richard Horton, Matthew Meyer, Imtiaz Moosa and David Peters

Philosophical inquiry aims at uncovering, analyzing, and evaluating the fundamental values and assumptions implicit in various human activities and practices such as science, the arts, religion, morality, and social and political institutions. Its ultimate goal is to develop a coherent view of the world and our place in it. Philosophy focuses on sharpening the ability to analyze, reason, and write effectively.

University of Wisconsin-River Falls
410 S. 3rd Street, River Falls WI 54022 USA
Campus Information (715) 425-3911

Physics Major

Physics Major–Liberal Arts

Physics Core Requirements: 26 cr. hrs.

The prerequisite courses for all courses required in the physics major must be passed with a grade of C or better

PHYS 161 Calculus-Based Physics I 4 cr.

PHYS 166 Calculus-Based Physics Laboratory I 1 cr.

PHYS 162 Calculus-Based Physics II 4 cr.

PHYS 167 Calculus-Based Physics Laboratory II 1 cr.

PHYS 204 Intermediate Physics Laboratory 1 cr.

PHYS 264 Modern Physics 4 cr.

PHYS 301 Advanced Physics Laboratory I (writing intensive) 3 cr.

PHYS 302 Advanced Physics Laboratory II (writing intensive) 3 cr.

PHYS 311 Electronics: Circuits and Devices 4 cr.

PHYS 485 Seminar (writing intensive) 1 cr.

Required Supporting Courses: 20 cr. hrs.

MATH 166 Calculus I 4 cr.

MATH 167 Calculus II 4 cr.

MATH 331 Differential Equations 3 cr.

PHYS 211 Scientific Programming 3 cr.

or **CSIS 162** Programming II

PHYS 361 Mathematics of Physics and Engineering I 3 cr.

PHYS 362 Mathematics of Physics and Engineering II 3 cr.

Option I 50 Total Credits

Recommended as preparation for graduate studies in physics or for industrial research.

Physics Major Core 26 cr. hrs.

Directed Electives in Physics 24 cr. hrs.

Choose from courses below:

Option II 36 Total Credits

Recommended for students wanting maximum flexibility for study in other areas

Physics Major Core 26 cr. hrs.

Directed Electives in Physics 10 cr. hrs.

Choose from courses below:

Directed Electives in Physics

PHYS 279 Introduction to Internships 1 cr.

PHYS 312 Electronics: Linear Integrated Circuits

or **PHYS 313** Digital Electronics 4 cr.

PHYS 318 Astrophysics 3 cr.

PHYS 324 Acoustics 3 cr.

PHYS 379 Cooperative Education and Internship 3 cr.

PHYS 415 Thermodynamics 3 cr.

PHYS 420 Optics 4 cr.

PHYS 426 Nuclear and Particle Physics 4 cr.

General Education Requirements

Department of Physics

125 Centennial Science Hall

(715) 425-3235

www.uwrf.edu/PHYS/

Earl Blodgett-Chair, Rellen Hardtke,
Eileen Korenic, James Madsen, Lowell
McCann, Glenn Spiczak, and Matthew
Vonk

- PHYS 427 Condensed Matter Physics 4 cr.
- PHYS 441 Classical Mechanics 4 cr.
- PHYS 442 Electricity and Magnetism 4 cr.
- PHYS 465 Quantum Mechanics 3 cr.

Applied Option 50 Total Credits

Recommended as preparation for a career in an industrial or government laboratory, or for graduate study in Applied Physics, Electronics, Engineering Physics, and Geophysics.

Core Requirements 26 cr. hrs.

Required Courses in Physics 24 cr. hrs.

- PHYS 250 Statics 3 cr.
- PHYS 252 Dynamics 3 cr.
- PHYS 254 Mechanics of Materials 3 cr.
- PHYS 279 Introduction to Internships 1 cr.
- PHYS 312 Electronics: Linear Integrated Circuits 4 cr.
- PHYS 313 Digital Electronics 4 cr.
- PHYS 361 Mathematics of Physics and Engineering I 3 cr.
- PHYS 362 Mathematics of Physics and Engineering II 3 cr.

Physics Major–Secondary Education

Major Requirements 36 Total Credits

Core Requirements: 26 cr. hrs.

Required Course: 3 cr. hrs.

- PHYS 331 Curriculum Physics 3 cr.

Directed Electives in Physics 7 cr. hrs.

As listed for Liberal Arts excluding PHYS 279 and 379 Internship course

Physics Major–Dual Degree

This major is awarded jointly with a B.S. in engineering after the student has successfully completed a three-year program at UW-River Falls with a minimum grade point average of 3.0 and a two-year program at either UW-Madison or the University of Minnesota.

General Education requirements

General Education requirements as listed for Liberal Arts excluding PHYS 279 and 379 Internship courses

Required Courses in Physics at UW-River Falls: 10 cr. hrs.

- PHYS 161 Calculus-Based Physics I 4 cr.
- PHYS 166 Calculus-Based Physics Laboratory I 1 cr.
- PHYS 162 Calculus-Based Physics II 4 cr.
- PHYS 167 Calculus-Based Physics Laboratory II 1 cr.

Directed Electives: 20 cr. hrs.

- PHYS 250 Statics 3 cr.
- PHYS 252 Dynamics 3 cr.
- PHYS 254 Mechanics of Materials 3 cr.
- PHYS 264 Modern Physics 4 cr.
- PHYS 301 Advanced Physics Laboratory I 3 cr.
- PHYS 311 Electronics: Circuits and Devices 4 cr.
- PHYS 361 Mathematics of Physics and Engineering I 3 cr.
- PHYS 362 Mathematics of Physics and Engineering II 3 cr.
- MATH 326 Applied Statistics 3 cr.

MATH 346 Numerical Analysis I 3 cr.

Credits Transferred from Engineering School 20 cr. hrs.

Required Supporting Courses: 30 cr. hrs.

MATH 166 Calculus I (meets Gen Ed requirement) 4 cr.

MATH 167 Calculus II 4 cr.

MATH 256 Linear Algebra 3 cr.

MATH 266 Calculus III 3 cr.

MATH 331 Differential Equations 3 cr.

PHYS 211 Scientific Programming 3 cr.

CHEM 121 General Chemistry I 5 cr.

CHEM 122 General Chemistry II 5 cr.

Pre-Engineering

Pre-Engineering 68 Total Credits

Required Courses: 55 cr. hrs.

PHYS 161 Calculus-Based Physics I 4 cr.

PHYS 166 Calculus-Based Physics Laboratory I 1 cr.

PHYS 162 Calculus-Based Physics II 4 cr.

PHYS 167 Calculus-Based Physics Laboratory II 1 cr.

PHYS 211 Scientific Programming 3 cr.

CHEM 121 General Chemistry I 5 cr.

CHEM 122 General Chemistry II 5 cr.

MATH 166 Calculus I 4 cr.

MATH 167 Calculus II 4 cr.

MATH 256 Linear Algebra 3 cr.

MATH 266 Calculus III 3 cr.

MATH 331 Differential Equations 3 cr.

ENGL 100 Academic Reading and Writing 3 cr.

ENGL 200 Investigating Ideas: Reading, Writing and the Disciplines 3 cr.

ECON 201 Principles of Microeconomics 3 cr.

ECON 202 Principles of Macroeconomics 3 cr.

CSTA 101 Fundamentals of Oral Communication 3 cr.

Electives depending on final engineering major: 13 cr. hrs.

Select from MATH, PHYS, CSIS, CHEM, GENG, BIOL, GEOL

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410 S. 3rd Street, River Falls WI 54022 USA
Campus Information (715) 425-3911

Physics Minor

Minor in Physics—Liberal Arts or Education

Physics Minor Requirements 24 Total Credits

Required Courses 14 cr. hrs.

PHYS 161 Calculus-Based Physics I 4 cr.

PHYS 166 Calculus-Based Physics Laboratory I 1 cr.

PHYS 162 Calculus-Based Physics II 4 cr.

PHYS 167 Calculus-Based Physics Laboratory II 1 cr.

PHYS 264 Modern Physics 4 cr.

Directed Electives for Both Minors: 10 cr. hrs.

PHYS 204 Intermediate Physics Laboratory (writing intensive) 1 cr.

PHYS 301 Advanced Physics Laboratory I (writing intensive) 3 cr.

PHYS 302 Advanced Physics Laboratory II (writing intensive) 3 cr.

PHYS 311 Electronics: Circuits and Devices 4 cr.

PHYS 312 Electronics: Linear Integrated Circuits

or **PHYS 313** Digital Electronics 4 cr.

PHYS 318 Astrophysics 3 cr.

PHYS 324 Acoustics 3 cr.

PHYS 415 Thermodynamics 3 cr.

PHYS 420 Optics 4 cr.

PHYS 426 Nuclear and Particle Physics 4 cr.

PHYS 427 Condensed Matter Physics 4 cr.

PHYS 441 Classical Mechanics 4 cr.

PHYS 442 Electricity and Magnetism 4 cr.

PHYS 465 Quantum Mechanics 3 cr.

Additional Choice for Directed Elective for Secondary Education Minor:

PHYS 331 Curriculum Physics 3 cr.

Required Supporting Courses 11 cr. hrs.

(may be taken under Gen Ed or under Major)

MATH 166 Calculus I 4 cr.

MATH 167 Calculus II 4 cr.

PHYS 361 Mathematics of Physics and Engineering I 3 cr.

or **MATH 266** Calculus III

Department of Physics

125 Centennial Science Hall

(715) 425-3235

www.uwrf.edu/PHYS/

Earl Blodgett-Chair, Rellen Hardtke,
Eileen Korenic, James Madsen, Lowell
McCann, Glenn Spiczak, and Matthew
Vonk

Physics Dual Degree

Physics Major–Dual Degree

This major is awarded jointly with a B.S. in engineering after the student has successfully completed a three-year program at UW-River Falls with a minimum grade point average of 3.0 and a two-year program at either UW-Madison or the University of Minnesota.

General Education requirements as listed for Liberal Arts excluding **PHYS 279** and **379** Internship courses

Required Courses in Physics at UW-River Falls: 10 cr. hrs.

PHYS 161 Calculus-Based Physics I 4 cr.

PHYS 166 Calculus-Based Physics Laboratory I 1 cr.

PHYS 162 Calculus-Based Physics II 4 cr.

PHYS 167 Calculus-Based Physics Laboratory II 1 cr.

Directed Electives: 20 cr. hrs.

PHYS 250 Statics 3 cr.

PHYS 252 Dynamics 3 cr.

PHYS 254 Mechanics of Materials 3 cr.

PHYS 264 Modern Physics 4 cr.

PHYS 301 Advanced Physics Laboratory I 3 cr.

PHYS 311 Electronics: Circuits and Devices 4 cr.

PHYS 361 Mathematics of Physics and Engineering I 3 cr.

PHYS 362 Mathematics of Physics and Engineering II 3 cr.

MATH 326 Applied Statistics 3 cr.

MATH 346 Numerical Analysis I 3 cr.

Credits Transferred from Engineering School 20 cr. hrs.

Required Supporting Courses: 30 cr. hrs.

MATH 166 Calculus I (meets Gen Ed requirement) 4 cr.

MATH 167 Calculus II 4 cr.

MATH 256 Linear Algebra 3 cr.

MATH 266 Calculus III 3 cr.

MATH 331 Differential Equations 3 cr.

PHYS 211 Scientific Programming 3 cr.

CHEM 121 General Chemistry I 5 cr.

CHEM 122 General Chemistry II 5 cr.

Department of Physics

125 Centennial Science Hall

(715) 425-3235

www.uwrf.edu/PHYS/

Earl Blodgett-Chair, Rellen Hardtke,
Eileen Korenic, James Madsen, Lowell
McCann, Glenn Spiczak, and Matthew
Vonk

Physics Secondary Education

Physics Major–Secondary Education: 36 Total Credits

Core Requirements: 26 cr. hrs.

The prerequisite courses for all courses required in the physics major must be passed with a grade of C or better

PHYS 161 Calculus-Based Physics I 4 cr.

PHYS 166 Calculus-Based Physics Laboratory I 1 cr.

PHYS 162 Calculus-Based Physics II 4 cr.

PHYS 167 Calculus-Based Physics Laboratory II 1 cr.

PHYS 204 Intermediate Physics Laboratory 1 cr.

PHYS 264 Modern Physics 4 cr.

PHYS 301 Advanced Physics Laboratory I (writing intensive) 3 cr.

PHYS 302 Advanced Physics Laboratory II (writing intensive) 3 cr.

PHYS 311 Electronics: Circuits and Devices 4 cr.

PHYS 485 Seminar (writing intensive) 1 cr.

Required Course: 3 cr. hrs.

PHYS 331 Curriculum Physics 3 cr.

Directed Electives in Physics 7 cr. hrs.

As listed for Liberal Arts excluding **PHYS 279** and **379** Internship course

Department of Physics

125 Centennial Science Hall

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Earl Blodgett-Chair, Rellen Hardtke,
Eileen Korenic, James Madsen, Lowell
McCann, Glenn Spiczak, and Matthew
Vonk

University of Wisconsin-River Falls
410 S. 3rd Street, River Falls WI 54022 USA
Campus Information (715) 425-3911

Political Science Major

Political Science Major: 36 Total Credits

Required Courses: 21 cr. hrs.

- POLS 114 American National, State and Local Government 3 cr.
- POLS 200 Political Analysis 3 cr.
- POLS 220 Introduction to Public Opinion and Political Behavior 3 cr.
- POLS 230 Contemporary Political Ideologies 3 cr.
- POLS 245 Introduction to Comparative Politics 3 cr.
- POLS 260 Introduction to International Relations 3 cr.
- POLS 480 Seminar in Political Science 3 cr.

Electives: 15 cr. hrs.

Any POLS course, excluding courses taken as required supporting courses.

Restrictions: Students may apply a maximum of 6 political science internship credits toward the elective section of the major. Students majoring in Political Science must take a minimum of 12 out of the total 36 credits for the major in courses numbered at the 300 level or above, excluding credits taken for political science internships.

Required Supporting Course:

Political Science Majors must take ONE of the following courses:

- PSYC 201 Behavioral Statistics
- SOCI 250 Introduction to Social Statistics
- ECON 226 Introduction to Statistics
- MATH 216 Elementary Statistical Concepts
- MATH 226 Fundamentals of Statistics.

Students must take the following course:

- POLS 110 Controversies in Politics

Department of Political
Science

355 Kleinpell Fine Arts
(715) 425-3318/3798
www.uwrf.edu/POLS/

Wesley Chapin-Chair, Davida Alperin,
John Evans, Erick Highum, Joan
Kratt, Neil Kraus, Chris Simer.

The political science department's requirements for a major or minor are designed to provide students with the intellectual skills and substantive knowledge that are necessary to be able to analyze and interpret political events and governmental processes.

Information for students interested in **pre-law** is available.

For those who wish to teach political science in high school, the required major is the **Broad Field Social Studies Major-Political Science Emphasis**.

University of Wisconsin-River Falls
410 S. 3rd Street, River Falls WI 54022 USA
Campus Information (715) 425-3911

Catalog

Political Science Minor

Political Science Minor 24 Total Credits

Required Courses: 3 cr. hrs.

POLS 114 American National, State and Local Government 3

Directed Electives: 12 cr. hrs.

Select one course from four of the following five fields:

1. American Politics 3 cr. hrs.

POLS 225 Introduction to Public Administration

POLS 253 State and Local Politics

POLS 256 Public Policymaking

POLS 311 American Political Parties and Elections

POLS 322 Politics of American Cities

POLS 326 The American Presidency: The Office and its Powers

POLS 327 Congressional Politics

2. International Relations 3 cr. hrs.

POLS 260 Introduction to International Relations

3. Comparative Politics 3 cr. hrs.

POLS 245 Introduction to Comparative Politics

4. Political Philosophy 3 cr. hrs.

POLS 230 Contemporary Political Ideologies

POLS 308 Western Political Thought: The Renaissance through Marx

POLS 309 Western Political Thought: Nietzsche to the Present

POLS 310 History of American Political Thought

5. Political Behavior 3 cr. hrs.

POLS 212 The Politics of Equality and Inequality in the United States

POLS 314 Women and Politics

POLS 321 Political Participation

Electives: 9 cr. hrs.

Any POLS course, excluding any courses taken to fulfill required or directed electives

Restrictions: Students may apply a maximum of 3 credits of **POLS 379** Internship in Political Science toward the elective section of the minor. Students minoring in Political Science must take a minimum of 9 out of the total 24 credits for the minor in courses numbered at the 300 level or above, excluding credits taken for **POLS 379** Internship in Political Science.

Department of Political Science

356 Kleinpell Fine Arts

(715) 425-3318/3798

www.uwrf.edu/POLS/

Wesley Chapin-Chair, Davida Alperin,
Erick Highum, Richard Horton, Neil
Kraus.

University of Wisconsin-River Falls
410 S. 3rd Street, River Falls WI 54022 USA
Campus Information (715) 425-3911

Professional and Organizational Communication Minor

24 Total Credits

Required Courses: 15 Credits

CSTA 207 Listening 3 cr.
CSTA 208 Problem Solving in Small Group Communication 3 cr.
CSTA 216 Communication in the Interview 3 cr.
CSTA 316 Organizational Communication 3 cr.
CSTA 379 Internship 3-4 cr.

and/or

CSTA 499 Independent Study 1-3 cr.

Directed Electives: 9 Credits

CSTA 106 Interpersonal Communication 3 cr.
CSTA 111 Argumentation and Decision Making 3 cr.
CSTA 306 Nonverbal Communication 3 cr.
CSTA 311 Persuasion 3 cr.
CSTA 313 Intercultural Communication 3 cr.
CSTA 318 Communication and Leadership 3 cr.
CSTA 360 Corporate Electronic Communication 3 cr.
CSTA 416 Communication Training and Development in Organizations 3 cr.
CSTA 440 Gender Communication 3 cr.

A research/writing course experience is required in the major or another field; **CSTA 284** Sophomore Seminar or another course approved by the department chair, will satisfy this requirement. A senior portfolio experience is required in the major or another field; **CSTA 484**, Senior Portfolio Seminar or another course approved by the department chair, will satisfy this requirement.

Department of Communication Studies and Theatre Arts

B-24 Kleinpell Fine Arts
(715) 425-3971
www.uwrf.edu/CSTA

Robin Murray-Chair, Suzanne Hagen, Gordon Hedahl, James Pratt, Kenneth Stofferahn, Margaret M. Swanson, Barbara L. Werner, Jennifer Willis-Rivera, James Zimmerman
Adjuncts: Denise Baker, Grace Coggio, Eric Eberhardt, Pat Hanson, Erik Johnson, Warren Johnson, Beverly Larsen, Megan Learman, Kathleen Olsen, Angela Siwik

University of Wisconsin-River Falls
410 S. 3rd Street, River Falls WI 54022 USA
Campus Information (715) 425-3911

Professional Writing Minor

Professional Writing Minor - 23-24 credits

Required Courses 15 credits

- *ENGL 251 Advanced Composition
- ENGL 266 Business Writing
- ENGL 270 Visual Rhetoric: Document Design and Graphics
- ENGL 367 Technical Writing
- ENGL 387 Technical and Professional Editing

*English majors may NOT double count ENGL 251 for this minor, but must take an additional appropriate course selected from ENGL 361, 370, 372, JOUR 269, 360, MARC 361, THEA 334.

Directed Electives: select three 8-9 credits

- COMS 311 Persuasion
- COMS 316 Organizational Communication
- ENGL 320 Structure of English
- ENGL 371 Proposal Writing: Change Through Rhetoric
- ENGL 372 Practicum: Peer Tutoring and Writing Instruction
- ENGL 374 Cyberliteracy and Writing on the Web
- ENGL 379 Internship (2-3 cr.)
- ENGL 389 Topics course in Rhetoric (Environmental Rhetoric, Contemporary Rhetoric) .
- ENGL 482 Writing Seminar in Fiction and Poetry
- JOUR 269 Feature Writing for Magazines and Newspapers
- JOUR 320 Journalism and Public Opinion
- JOUR 360 Opinion Writing
- JOUR/MARC 370 Public Relations Principles
- MARC 360 Advertising

Department of English

245 Kleinpell Fine Arts
(715) 425-3537
www.uwrf.edu/ENGL/

Marshall Toman-Chair, Jennifer Brantley, David Furniss, Greta Gaard, Kathleen Hunzer, Annette Klomp, Steven Luebke, Mialisa Moline, Michelle Parkinson, Vladimir Pavlov, Kenneth Price, Joseph Rein, Catherine Ross-Stroud, Elizabeth Schneider-Rebozo

University of Wisconsin-River Falls
410 S. 3rd Street, River Falls WI 54022 USA
Campus Information (715) 425-3911

Psychology Major

Psychology Major: 36 Total Credits

General Education Requirements

PSYC 101 General Psychology 3 cr.

PSYC 201 Behavioral Statistics 3 cr.

Required Courses: 6 cr. hrs.

PSYC 205 Research Methods 3 cr.

PSYC 401 History and Systems of Psychology 3 cr.

Required Area Options: 21 cr. hrs.

Psychological Methods: 3 cr. hrs.

PSYC 275 Advanced Research Methods 3 cr.

or **PSYC 315** Psychological Measurement and Evaluation 3 cr.

Psychological Development: 3 cr. hrs.

PSYC 236 Developmental Psychology: Childhood and Adolescence 3 cr.

or **PSYC 336** Developmental Psychology: Adulthood and Aging 3 cr.

Learning and Cognition: 3 cr. hrs.

PSYC 305 Learning and Motivation 3 cr.

or **PSYC 310** Memory and Thinking 3 cr.

Individual Differences: 6 cr. hrs. (choose 2 of 3)

PSYC 265 Social Psychology 3 cr.

PSYC 320 Psychology of Personality 3 cr.

PSYC 325 Abnormal Psychology 3 cr.

Biological Bases: 6 cr. hrs. (choose 2 of 3)

PSYC 340 Animal Behavior 3 cr.

PSYC 350 Sensation and Perception 3 cr.

PSYC 355 Physiological Psychology 3 cr.

Applied Psychology Options: 3 cr. hrs.

PSYC 160 Psychology of Adjustment 3 cr.

PSYC 225 Sex Differences, Gender Roles, and Sexual Orientation 3 cr.

PSYC 250 Industrial and Organizational Psychology 3 cr.

PSYC 260 Behavior Modification 3 cr.

PSYC 269 Health Psychology

PSYC 285 Psychology of Prejudice and Racism *fulfills the University diversity requirement 3 cr.

PSYC 361 Psychological Foundations of Employee Selection 3 cr.

PSYC 362 Psychological Foundations of Employee Training 3 cr.

PSYC 375 The Psychology of Human Sexuality 3 cr.

PSYC 425 Introduction to Clinical Psychology 3 cr.

Elective Psychology Courses: 6 cr. hrs.

In addition to completing the course area requirements, the student must take additional psychology courses to achieve the required 36 credits for the major.

These courses may be selected from any of the areas listed above or from the following:

PSYC 110 Psychology Colloquium I *only for all incoming first-year students 1 cr.

General Education Requirements

As listed for CAS with the following exceptions: General Psychology and Behavioral Statistics are required of all majors and minors but do not count toward the required hours if used to fulfill general education requirements.

Department of Psychology

151 Centennial Science Hall
(715) 425-3306

www.uwrf.edu/PSYC/

Cyndi Kernahan-Chair, Melanie Ayres, Lisa Isenberg, Daniel Linwick, Michael Reich, Richard Seefeldt, Travis Tubré, Todd Wilkinson

The vision of the Department of Psychology at the University of Wisconsin-River Falls is to continue providing students with a solid foundation in psychology. We seek to achieve regional and national recognition by offering excellent teaching, fostering research and dissemination of results, promoting global and multicultural perspectives, and preparing alumni for graduate study and professional careers. We will cultivate ethical and social development through our curriculum, student organizations, and community service.

PSYC 289 Special Topics in Psychology 3 cr.

PSYC 378 Psychology Semester Abroad 3 cr.

PSYC 379 Internship in Psychology 1 to 3 cr.

PSYC 480 Seminar in Psychology 3 cr.

PSYC 490 Independent Study in Psychology 1 to 3 cr.

If PSYC 101 and/or PSYC 201 are not used in General Education, they may be used as elective courses in the psychology major.

University of Wisconsin-River Falls
410 S. 3rd Street, River Falls WI 54022 USA
Campus Information (715) 425-3911

Catalog

Psychology Minor

Psychology Minor: 24 Total Credits

Required Courses: 9 cr. hrs.

PSYC 101 General Psychology 3 cr.

(credits can be counted in general education)

PSYC 201 Behavioral Statistics 3 cr.

(credits can be counted in general education)

PSYC 205 Research Methods(writing intensive) 3 cr.

or **PSYC 315** Psychological Measurement and Evaluation

Electives: 15 cr. hrs.

Additional courses in Psychology.

Sociology majors with a minor in psychology who have taken **SOCI**

300 Research Methods may substitute another psychology course for

the **PSYC 205** or **PSYC 315** requirement.

Department of Psychology

151 Centennial Science Hall

(715) 425-3306

www.uwrf.edu/PSYC/

Cyndi Kernahan-Chair,
Melanie Ayres, Lisa Isenberg,
Daniel Linwick, Michael Reich,
Richard Seefeldt, Travis
Tubré, Todd Wilkinson

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410 S. 3rd Street, River Falls WI 54022 USA
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Secondary Education Major

University and DPI General Education Requirements

Academic Specialization: 54-58 Total Credits

Option A - Departmental major and one minor

Option B - Two departmental majors

Option C - Broad Field major

Approved Secondary Education Majors and Minors

Early Adolescence - Adolescence Programs, teaching ages 11-21 years.

Comprehensive Majors:

Broad Field Science-Physical Science Certification

Broad Field Science-Science Certification

Broad Field Social Studies

Broad Area English

Majors:

Biology

Chemistry

Communicative Disorders - does not lead to licensing at the undergraduate level

Geology-Earth Science Certification

English

Mathematics

Physics

Minors:

Anthropology-1

Biology

Chemistry

Coaching

Dance Education

Earth Science-2

Economics-1

English

French - with an EA-A major

Geography-1

German- with an EA-A major

Health Education

History-1

Mathematics

Physics

Political Science-1

Spanish - with an EA-A major

Sociology-1

Teaching English to Speakers of Other Languages - with an EA-A major

General Education Requirements

As listed for CEPS.

Coursework included in the professional sequence, major, minor or concentration may not be included in the general education component.

Department of Teacher Education

257 Walker Wyman Education

www.uwrf.edu/TED/

Teri Crotty-Chair, Molly Gerrish, Tim Holleran, Hsing-Wen Hu, Angela Kaiser, Teresa Kruiuzenga, Michael Miller, Florence Monsour, David Pepi, Margaret Phinney, Hilary Pollack, Geoffrey Scheurman, Genella Stubrud, José E. Vega, Gay Ward, Brenda Wright, Mary Wright

The degree curricula designed to prepare teachers for the secondary school, in either Early Adolescence - Adolescence (formerly grades 6-12) or Early Childhood - Adolescence (formerly K-12), The program consists of a minimum of 120 semester hours that give the student a broad general education, specialized preparation in one or more academic fields and professional preparation needed for effective teaching. Specific course requirements are listed for each academic department preceding the departmental course descriptions.

Early Childhood - Adolescence Programs, teaching a variety of ages in school settings

Comprehensive Majors

Art

Music (choral or Instrumental options)

Health and Human Performance

Agricultural Education

Majors

Teaching English to Speakers of Other Languages (TESOL)

Modern Language (French, German, and Spanish options)

Health Education

Minors

Teaching English to Speakers of Other Languages (TESOL) only with an EC-A Modern Language major

French - only with an EC-A Modern Language or TESOL major.

German - only with an EC-A Modern Language or TESOL major.

Spanish - only with an EC-A Modern Language or TESOL major.

Coaching - only with a Physical Education Major

Adapted Physical Education - requires a major in Health and Human Performance (K-12) education.

1-Cooperatives. Wisconsin law requires that teachers of Economics, social studies and agriculture complete adequate instruction in consumers' cooperatives and cooperative marketing. Students in agriculture can satisfy this requirement by successful completion of AGECE 240 or 355. Students in Economics and social sciences can satisfy this requirement by successful completion of TED 433 or AGECE 240 or 355.

2-If you are interested in teaching economics, geography, history, political science, psychology or sociology, please see Social Science, Broad Field .

University of Wisconsin-River Falls
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Social Science Minor

Social Science Minor 30 cr. hrs.

For Elementary Education Majors only

BFSS 200 3 cr.

HIST 102 3 cr.

HIST U.S. (at or above 200 level) 6 cr.

GEOG 110 3 cr.

GEOG 120 (at or above 200 level) 3 cr.

POLS (at or above 200 level) 3 cr.

PSYC (at or above 200 level) 3 cr.

ECON (at or above 200 level) 3 cr.

Sociology/Anthropology (at or above 200 level) 3 cr.

Social Science
Interdisciplinary

304 Fine Arts

(715) 425-3164

Kurt Leichtle—Coordinator

The minor in Social Science, available for majors in elementary and middle school (6-9) education is a program of study comprised of several social science disciplines: economics, geography, history, political science and sociology.

University of Wisconsin-River Falls
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Campus Information (715) 425-3911

Social Work Major

Social Work Major **Requirements 121 Total Credits**

Required Courses: 54 cr. hrs.

- SOWK 150 Introduction to Social Work Services 3 cr.
- SOWK 205 Introduction to Social Work and Social Welfare 3 cr.
- SOWK 215 Human Behavior and Social Environment 3 cr.
- SOWK 250 Use, Abuse, and Addiction 3 cr.
- SOWK 300 Research Methods 3 cr.
- SOWK 324 Theory and Practice of Social Work I 3 cr.
- SOWK 325 Theory and Practice of Social Work II 3 cr.
- SOWK 350 Social Welfare Policy 3 cr.
- SOWK 389 Special Topics in Social Work (2) 6 cr.
- SOWK 424 Advanced Interviewing and Crisis Intervention 3 cr.
- SOWK 426 Theory and Practice Of Social Work III 3 cr.
- SOWK 472 Social Work Field Instruction (2) 12 cr.
- SOWK 480 Senior Integrative Seminar 3 cr.
- SOWK 481 Integrating Practice and Research 3 cr.

Required Supporting Courses: 6 cr. hrs.

- SOCI 100 Introduction to Sociology 3 cr.
- SOWK 260 Practice with Diverse Populations 3 cr.

Directed Electives: 3 cr. hrs.

- SOCI 218 Deviant Behavior 3 cr.
- SOCI 221 Global Perspectives on Women 3 cr.
- SOCI 323 Sociology of the Family 3 cr.
- SOCI 338 Global Perspectives on Health and Disease 3 cr.
- SOCI 341 Sociology of Later Life
- SOCI 435 Social and Cultural Change 3 cr.
- SOCI 445 Power and Inequality 3 cr.
- CJ 202 Introduction to Criminal Justice 3 cr.
- CJ 320 Juvenile Delinquency 3 cr.
- CJ 322 Criminology 3 cr.
- CJ 430 Trends and Issues in Incarceration 3 cr.
- COMS 206 Family Communication 3 cr.
- COMS 207 Listening Skills 3 cr.
- COMS 208 Problem Solving in Small Group Communication 3 cr.
- COMS 318 Communication and Leadership 3 cr.
- PSYC 236 Developmental Psychology: childhood and Adolescence 3 cr.
- SPED 330 The Exceptional Child 3 cr.
- PSYC 336 Developmental Psychology: Adulthood and Aging 3 cr.
- PSYC 365 Individual and Group Processes 3 cr.
- SPED 421 Developmental Disabilities 3 cr.
- POLS 225 Introduction to Public Administration 3 cr.
- POLS 253 State and Local Politics 3 cr.
- POLS 256 Public Policymaking 3 cr.
- HIST 310 History of American Political Thought 3 cr.
- WMST 200 Introduction to Women's Studies 3 cr.

General Education Requirements

As listed with the following exceptions:

Social and Behavioral Science: 8-9 cr. hrs.

ECON 100, POLS 114, PSYC 101 required as supporting courses.

Sciences: 8-9 cr. hrs.

BIOL 100(L), 150(L) or 101 required as supporting course.

Mathematics: 3 cr. hrs.

PSYC 201 or MATH 226 required as supporting course.

Liberal Arts, follows BS Liberal Arts Degree: 10-12 cr. hrs.

BIOL 253 required as a supporting course.

Social Work

203 Walker Wyman Education

(715) 425-3655

www.uwrf.edu/SOWK/

Ogden Rogers—Program Director;
Jennifer E. Borup, Director of Field Instruction

The four-year curriculum leading to a bachelor's degree in Social Work is listed below. The minimum of 120 semester credits required for graduation provides students with knowledge, values, and skills necessary for the beginning level of generalist social work practice.

INTS 200 Introduction to International Studies 3 cr.

University of Wisconsin-River Falls
410 S. 3rd Street, River Falls WI 54022 USA
Campus Information (715) 425-3911

Sociology Major

Sociology Major: 39 Total Credits

Core Requirements: 18 cr. hrs.

SOCI 100 Introduction to Sociology
(counts 3 cr. in Gen. Ed.)

or **ANTH 100** Introduction to Anthropology
(counts 3 cr. in Gen. Ed.)

SOCI 200 Sociological Inquiry 3 cr.

SOCI 208 Sociology of Diversity 3 cr.

or **SOCI 225** Sociology of Race and Ethnicity

or **ANTH 225** Sociology of Race and Ethnicity

SOCI 250 Social Statistics 3 cr.

SOCI 300 Research Methods 3 cr.

SOCI 400 Social and Cultural Theory 3 cr.

SOCI 480 Senior Seminar 3 cr.

Directed Electives: 21 cr. hrs.

15 credits must be at 300/400 level with at least 6 credits at the 400 level

SOCI 205 Culture and Personality 3 cr.

or **ANTH 205** Culture and Personality

SOCI 211 Global Perspectives on Children 3 cr.

or **ANTH 211** Global Perspectives on Children

SOCI 218 Deviant Behavior 3 cr.

SOCI 221 Global Perspectives on Women 3 cr.

or **ANTH 221** Global Perspectives on Women

SOCI 227 Religious Groups and Cults 3 cr.

SOCI 228 Native American Cultures 3 cr.

or **ANTH 228** Native American Cultures

SOCI 230 Sociology of Sport and Leisure 3 cr.

SOCI 240 Social Problems 3 cr.

SOCI 245 Environmental Sociology 3 cr.

SOCI 247 Human and Cultural Origins 3 cr.

or **ANTH 247** Human and Cultural Origins

SOCI 310 Sociology through Film 3 cr.

SOCI 315 Sociology of Later Life 3 cr.

SOCI 323 Sociology of the Family 3 cr.

SOCI 326 Sociology of Gender Roles 3 cr.

SOCI 330 Social Organization 3 cr.

SOCI 338 Global Perspectives on Health and Disease 3 cr.

or **ANTH 338** Global Perspectives on Health and Disease

SOCI 340 Sociology of Rural Life 3 cr.

SOCI 345 Sociology of Urban Life 3 cr.

SOCI 348 Faces of Culture 3 cr.

or **ANTH 348** Faces of Culture

SOCI 378 Semester Abroad Research 3-6 cr.

SOCI 389 Special Topics in Sociology 2-3 cr.

or **ANTH 389** Special Topics in Anthropology

SOCI 410 Social Psychology 3 cr.

General Education Requirements:

BA and BS Liberal Arts majors as listed.

BS Education majors as listed.

Social and Behavioral Sciences:

SOCI 100 or ANTH 100

Department of Sociology, Anthropology, and Criminal Justice

**326 Kleinpell Fine Arts
(715) 425-3992**

www.uwrf.edu/SOCI/

Timothy E. Nissen -Chair, Edward Robins, Brian Copp, Tricia Davis, Pao Lee, B. Paige Miller, Rich Wallace

The Department of Sociology, Anthropology, and Criminal Justice offers several options for Majors and Minors:

1. Major in Sociology Liberal Arts-Sociology Major may be used as part of a Broad-Field Social Studies Major;
2. Minor in Sociology-Liberal Arts;
3. Minor in Sociology-Education;
4. Minor in Anthropology;
5. Minor in Criminal Justice (Sociology Major); and
6. Minor in Criminal Justice (Non-Sociology Major).

For those who wish to teach sociology in high school, the required major is the **Broad Field Social Studies Major**.

SOCI 435 Social and Cultural Change 3 cr.
or **ANTH 435** Social and Cultural Change
SOCI 445 Power and Inequality 3 cr.
SOCI 490 Readings in Sociology 1-2 cr.
or **ANTH 490** Readings in Anthropology
or **SOCI 499** Independent Study cr.
or **ANTH 499** Independent Study

University of Wisconsin-River Falls
410 S. 3rd Street, River Falls WI 54022 USA
Campus Information (715) 425-3911

Sociology Minor

Sociology Minor - Liberal Arts or Education: 24 Total Credits

Required Courses: 9 cr. hrs.

SOCI 100 Introduction to Sociology (3 cr.)
(counts 3 cr. in Gen. Ed.)

or **ANTH 100** Introduction to Anthropology
(counts 3 cr. in Gen. Ed.)

SOCI 200 Sociological Inquiry 3 cr.

SOCI 208 Sociology of Diversity 3 cr.

or **SOCI 225** Sociology of Race and Ethnicity

or **ANTH 225** Sociology of Race and Ethnicity

SOCI 400 Social and Cultural Theory 3 cr.

General Electives in Sociology/Anthropology 15 cr. hrs.

(at least 9 credits must be at 300/400 level)

Department of Sociology,
Anthropology, and Criminal
Justice

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Robins, Brian Copp, Tricia Davis, Pao
Lee, B. Paige Miller, Rich Wallace

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Catalog

Soil Science Minor

Choose from the following: 22 Total Credits

- SOIL 120** Introduction to Soil Science 3 cr.
- SOIL 311** Soil Fertility 4 cr.
- SOIL 325** Hydric Soils and Wetland Environments 3 cr.
- SOIL 350** Pedology 4 cr.
- SOIL 440** Soil and Water Conservation 4 cr.
- SOIL 460** Soil Physics 3 cr.
- GEOL 102** Introductory Geology Lab 1 cr.
- GEOL 327** Geomorphology and Glacial Geology (writing intensive) 4 cr.

Department of Plant and Earth Science

324 Agricultural Science
(715) 425-3345

www.uwrf.edu/PES/

Donavon H. Taylor-Chair, William A. Anderson, William S. Cordua, Dennis R. Cosgrove, Holly A.S. Dolliver, Terry L. Ferriss, Veronica Justen, Michael C. Kaltenberg, Kerry L. Keen, David Keuhl, Michael D. Middleton, Loretta Ortiz-Ribbing, Eric M. Sanden, Brian R. Smith, Laine Vignona, Ian S. Williams, David C. Zlesak.

University of Wisconsin-River Falls
410 S. 3rd Street, River Falls WI 54022 USA
Campus Information (715) 425-3911

Spanish Minor

Spanish Minor-Liberal Arts

Spanish Minor: 22 Total Credits

Required Courses: 16 cr. hrs.

SPAN 102 Beginning Spanish II 4

SPAN 201 Intermediate Spanish I 3

SPAN 202 Intermediate Spanish II 3

SPAN 301 Conversation and Composition I 3

SPAN 302 Conversation and Composition II 3

Directed Electives: 6 cr. hrs.

Select 6 credits from:

SPAN 341 Spanish Civilization to 1800 3

SPAN 342 Spanish Civilization 1800 to Present 3

SPAN 345 Latin American Civilization to 1800 3

SPAN 346 Latin American Civilization 1800 to Present 3

SPAN 351 Survey of Spanish Literature-Siglo de Oro 3

SPAN 352 Survey of Spanish Literature-Generation of 1898 to Present 3

SPAN 355 Survey of Latin American Literature-Conquest to independence 3

SPAN 356 Survey of Latin American Literature-Independence to Present 3

SPAN 401 Advanced Spanish Communication 3

SPAN 371 Bus/Cult. Hispanic World (3)

SPAN 372 Span for Trades and Prof. (3)

SPAN 401 Advanced Spanish Communication 3

MODL 376 Mexico: A Cultural Experience 3

Spanish Minor-Education

Complete Spanish Minor Liberal Arts program

(must include 401 and 341, 342, 345, 346 or 376)

Required supporting courses not part of minor: 6 cr. hrs.

SPAN 350 Spanish Phonetics 3

TED 437 Techniques of Middle/Secondary Education: Modern Language 2

TED 448 Techniques of Elementary Education: Modern Language 2

Department of Modern
Language

284 Kleinpell Fine Arts
(715) 425-3121

www.uwrf.edu/MODL/

Kristine Butler-Chair, Cecilia
Bustamante, Terrence Mannerter,
Juan-Carlos Chaves, Rebecca Raham,
Christelle Curilli, Judy Wyatt-Schlei,
Julie Kovacic, Lisa Showers, Magara
Maeda, Wen Zhang

Sustainability Studies Minor

Sustainability Studies Minor: 24 Total Credit hour

(ESM 105 is a prerequisite)

Required Courses: 18 Credit Hours

ESM 220 Environmental Sustainability: Theories, Issues, and Management 3 cr.

ESM 251 Community Decision-Making OR ESM 351 Planning for Sustainable Communities OR SOCI 245 Environmental Sociology 3 cr.

SM 377 Business Ecology OR ESM 351 Planning for Sustainable Communities 3 cr.

(Students who choose ESM351 to meet requirement (2) must take ESM 377 to meet this requirement)

CROP 368 Sustainable Agriculture 3 cr.

GEOL 350 Geological Destinies of Nations 3 cr.

AGEC 450 Introduction to Natural Resource Economics 3 cr.

Directed Electives: 6 Credit Hours

ESM 109, 251*, 300, 303, 305, 343, 351*,377* 2-3 cr.

GEOG 366 3 cr.

GEOL 202, 269, 330 3 cr.

SOIL 325 3 cr.

AGEN 325 3 cr.

ENGL 228 3 cr.

CHEM 200 3 cr.

SOCI 245* 3 cr.

(*This course counts as EITHER a requirement OR a directed elective.)

Interdisciplinary Minor

Plant and Earth Science
Department
324 Agricultural Science
(715) 425-3345

Contact: laine.vignona@uwrf.edu
✉

University of Wisconsin-River Falls
410 S. 3rd Street, River Falls WI 54022 USA
Campus Information (715) 425-3911

Sustainable Agriculture Minor

Minor Requirements: 24-25 credits

Required courses: 12 cr. hrs.

CROP 368 Sustainable Agriculture 3 cr.

ESM 220 Environmental Sustainability: Theories, Issues and Management 3 cr. Prereq: ESM 105

AGEC 450 Introduction to Natural Resources Economics 3 cr. Prereq: AGECE 230

SOCI 245 Environmental Sociology 3 cr. Prereq: SOCI 100 or ANTH 100 or ESM 105

Directed electives: 12 cr. hrs.

Select two from the following:

ANSC 389 Special Topics: Sustainable Animal Production 3 cr.

ANSC 365 Poultry Production 3 cr. Prereq: ANSC 232, ANSC 257

ANSC 366 Swine Production 3 cr. Prereq: ANSC 232, ANSC 231, ANSC 257, and one of the following: BIOL 150, ANSC 111 or CROP/HORT 161

ANSC 367 Beef Production 3 cr. Prereq: ANSC 232, ANSC 231, ANSC 257, and one of the following: BIOL 150, ANSC 111 or CROP/HORT 161

ANSC 368 Sheep Production 3 cr. Prereq: ANSC 232, ANSC 231, ANSC 257, and one of the following: BIOL 150, ANSC 111 or CROP/HORT 161

CROP 263 Forage Crop Production 3 cr. Prereq: CROP/HORT 161

CROP 363 Pasture Production 3 cr. Prereq: CROP/HORT 161

CROP 468 Organic Production Systems 3 cr. Prereq: Foundation of Agriculture courses completion

DASC 306 Dairy Production 3 cr. Prereq: ANSC 232 and ANSC 257

ESM 343 Woodlot Management 3 cr. Prereq: ESM 109 or consent

HORT 327 Vegetable Science and Production 3 cr. Prereq: CROP/HORT 161 and HORT 169

HORT 347 Fruit Science and Production 3 cr. Prereq: CROP/HORT 161 and HORT 169

Select one from the following:

AFES 310 Agricultural Human Resource Management 3 cr. Prereq: Junior standing

AGEC 360 Farm Management 3 cr. Prereq: AGECE 230

AGEC 361 Horticultural Business Management 3 cr. Prereq: AGECE 230

AGEC 445 Land Use and Sustainable Agriculture Law 3 cr. Prereq: AGECE 230 or ESM 303, and Math 146 or higher

AGEC 495 Special Problems in Ag Economics: Direct Marketing 3 cr.

Select one from the following:

AGEN 325 Alternative Energy Systems 3 cr. Prereq: Chem 121 or equiv.

Department of Plant and Earth Science

William Anderson, Juliet Tomkins,
Gary Onan, Donavon Taylor
314 Agricultural Science
(715) 425-3941

Students who select this minor will learn about sustainable agriculture in its broadest sense, including issues related to maintaining and/or improving crop and animal productivity, preserving environmental resources for future generations, ensuring farm profitability, and ensuring rural community vitality and viability. They learn how to build markets and opportunities for producers, and they help consumers make "green" choices on purchased products.

Sustainable agriculturalists work as producers of value added crops, such as organic produce, grains and meats. Some provide technical support for crop and animal production systems, develop soil and nutrient management plans, work with producers to control insects, diseases and other pests with integrated pest management techniques, market locally-grown food products, and research ways to make agriculture more efficient, environmentally sound and sustainable for future generations.

CROP 451 Integrated Pest Management 3 cr. Prereq: CROP/HORT 161
ESM 305 Environmental Impact Assess 3 cr. Prereq: ESM 105, CHEM
121, BIOL 100 or 150, and GEOL 101.
SOIL 440 Soil and Water Conservation 4 cr. Prereq: Soil 120, Math
146, and computer proficiency

University of Wisconsin-River Falls
410 S. 3rd Street, River Falls WI 54022 USA
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Sustainable Management

Sustainable Management Major: 63 total credits

The Bachelor of Science in Sustainable Management consists of 21 courses. Each student is required to successfully complete all 21 courses to graduate. There are no electives in the program. The Capstone course is usually taken in the last semester. Each course is worth three credits.

- SMGT 115 Environmental Science and Sustainability
- SMGT 230 Triple Bottom Line Accounting for Managers
- SMGT 235 Economics in Society and Sustainability
- SMGT 240 Technical Writing for Sustainable Management
- SMGT 310 Ecology for Sustainable Management
- SMGT 315 Global Environmental Chemistry
- SMGT 320 Energy for Sustainable Management
- SMGT 325 Natural Resource Management
- SMGT 330 Marketing for a Sustainable World
- SMGT 331 Sustainable Organizational Finance
- SMGT 332 Economics of Environmental Sustainability
- SMGT 335 Management and Environmental Information Systems
- SMGT 340 Organizational Behavior and Sustainability
- SMGT 350 Operations Management and Sustainability
- SMGT 360 Environmental and Sustainability Policy
- SMGT 370 Logistics, Supply Chain Management, and Sustainability
- SMGT 430 International Management for a Sustainable World
- SMGT 435 International Development and Sustainability
- SMGT 440 Systems Thinking
- SMGT 460 Environment and Society
- SMGT 495 Sustainable Management Capstone

Additional Requirements/Prerequisites

- College Algebra (UW Colleges MAT 110 or equivalent)
- Statistics (UW Colleges MAT 117 or equivalent)
- General Chemistry (UW Colleges CHE 125 or equivalent)
- Introductory Biology (UW Colleges BIO 109 or equivalent)
- Introductory Communications (UW Colleges COM 103 or equivalent)

Sustainable Management (SMGT)

Interdisciplinary Program

(877) 895-3276

sustainable@learn.uwsa.edu ✉

sustain.wisconsin.edu 🌐

Academic Director ~ Robert W. Baker

Program Manager ~ Kristen Allen

Faculty ~ David Keuhl, Eric Sanden, Glenn Spiczak, Laine Vignona, Ian Williams

Adjunct Faculty ~ Rita Kozak, David Sprague

The Bachelor of Science in Sustainable Management is a collaborative effort of UW-Extension and four University of Wisconsin campuses ~ UW-Parkside, UW-River Falls, UW-Stout, and UW-Superior ~ that provides the knowledge and skills students need to create profitable businesses, vibrant communities, and a healthy environment for Wisconsin, the United States, and the world. At UW-River Falls, the Sustainable Management major is housed in the College of Agriculture, Food and Environmental Sciences.

General Education Requirements

The Bachelor of Science in Sustainable Management is a 63-credit online bachelor's degree completion program. Students who have completed the first two years of a bachelor's or have an associate's degree from an accredited college or university may apply directly to the program. Students must also complete

courses in multidisciplinary inquiry, American cultural diversity, and global perspectives as a part of their first two years of college coursework or during the period they are completing the required 21 Sustainable Management courses.

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410 S. 3rd Street, River Falls WI 54022 USA
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Teaching English to Speakers of Other Languages Major

TESOL Major - Liberal Arts: 36 Total Credits

Foreign Language Requirement: (6 cr. hrs.)

(credits not counted in major)

6 semester hours of a foreign language, the high school equivalent, or proven proficiency in a foreign language is required of all students pursuing a TESOL major. This foundation requirement is not included in the number of credit hours needed for the major proper. The 6 semester hours are separate from the Cultural Component. A first language used by a major who is a non-native speaker of English to satisfy this language requirement cannot be used as the basis for satisfying the cultural requirement below; study in the English language should be used for such a student or, in the case of fluency in English, the student may request to do the cultural component in a language other than English or the student's native language. In the case of fluency in both English and a native language, a student may elect to satisfy this language requirement by a third language.

Required Courses: 24 cr. hrs.

ENGL 311 Introduction to Language and Linguistics 3 cr.

ENGL 320 Structure of English 3 cr.

ENGL 322 Acquisition of Language 3 cr.

ENGL 360 Theory and Methodology of TESOL 3 cr.

ENGL 373 Techniques in Tutoring: TESOL Practicum 3 cr.

ENGL 420 Pedagogical Grammar 3 cr.

ENGL 451 Phonetics and Phonology 3 cr.

ENGL 475 Assessment and Testing in TESOL 3 cr.

Cultural Component 6-8 cr. hrs.

Choose one of the following four ways to fulfill this component:

1. Foreign Language 6-8 cr. hrs.

Course work to fulfill the Cultural Component must be in one language; test out credits must be supplemented by 3 credits at the 200 level or above. The Cultural Component requirement may be fulfilled with course work in the same language as that required for the Foreign Language requirement or in a different language, but additional foreign language course work must be beyond that required for the Bachelor of Science or Bachelor of Arts degree.

Alternative cultural component features for international students: International students who select this major generally have learning circumstances and career goals that differentiate them from native English speakers. Therefore, course work in English (6-8 credits at the 200-level or above) selected in consultation with the adviser must be used to fulfill the cultural component. (In the case of fluency in English, an international student may request to do the cultural component foreign language option in a language other than English.)

General Education Requirements-Liberal Arts

B.A. and B.S. Liberal Arts Majors

As listed with the following exceptions:

Social and Behavioral: It is RECOMMENDED that TESOL majors and minors include PSYC 101 among their three social science courses.

Mathematics: It is RECOMMENDED that TESOL majors and minors take PSYC 201, Behavioral Statistics, to fulfill their mathematics requirement.

B.S. Education Majors

As listed.

Department of English

245 Kleinpell Fine Arts

(715) 425-3537

www.uwrf.edu/ENGL/

Marshall Toman-Chair, Jennifer Brantley, David Furniss, Greta Gaard, Kathleen Hunzer, Annette Klemp, Steven Luebke, Mialisa Moline, Michelle Parkinson, Vladimir Pavlov, Kenneth Price, Joseph Rein, Catherine Ross-Stroud, Elizabeth Schneider-Rebozo

2. ENGL 378 or any 378, Semester Abroad Research 6 cr. hrs.

3. INTS 377 Semester Abroad 6 cr. hrs.

4. Select two of the following courses: 6 cr. hrs.

ENGL 379 Cooperative Education and Internship II 3 cr.

*ENGL 450 Non-Native Speakers in the Midwest 3 cr.

*ENGL 471 Issues in Bilingualism 3 cr.

MODL 376 Mexico: A Cultural Experience 3 cr.

*If ENGL 450 or ENGL 471 is not taken in the Cultural Component requirements, one of those courses must be taken in this Directed Electives requirement.

Directed Electives: 6 cr. hrs.

Choose from the following:

ECON 312; ENGL 307,, 441, 442, 443, 450, 471; ETHN 200; HIST 204, 208, 245; PHIL 245; POLS 212; GEOG 342, 343, 344; COMD 162, 163, 469; PSYC 236, 285, 305, 320; SOWK 260; SOCI/ANTH 205, 211, 221, 225, 228, 348; SPAN 341, 342, 345, 346, 350, 351, 352, 355, 356, 401, 452, 455, 490; FREN 341, 342, 350, 351, 352, 401, 451, 452, 453, 490; GERM 315, 341, 342, 350, 351, 352, 401, 451, 452, 453, 490; COMS 306, 313; DFT 340; TED 461.

TESOL Major-Education 36-38 Total Credits

Foreign Language Requirement: 6 cr. hrs.

(credits not counted in major)

6 semester hours of a foreign language, the high school equivalent, or proven proficiency in a foreign language is required of all students pursuing a TESOL major. This foundation requirement is not included in the number of credit hours needed for the major proper. The 6 semester hours are separate from the Cultural Component. A first language used by a major who is a non-native speaker of English to satisfy this language requirement cannot be used as the basis for satisfying the cultural requirement below; study in the English language should be used for such a student or, in the case of fluency in English, the student may request to do the cultural component in a language other than English or the student's native language. In the case of fluency in both English and a native language, a student may elect to satisfy this language requirement by a third language.

Required courses: 24 cr. hrs.

ENGL 311 Introduction to Language and Linguistics 3 cr.

ENGL 320 Structure of English 3 cr.

ENGL 322 Acquisition of Language 3 cr.

ENGL 360 Theory and Methodology of TESOL 3 cr.

ENGL 373 Techniques in Tutoring: TESOL Practicum 3 cr.

ENGL 420 Pedagogical Grammar 3 cr.

ENGL 451 Phonetics and Phonology 3 cr.

ENGL 475 Assessment and Testing in TESOL 3 cr.

Requires supporting course: 3 cr. (this course will also apply in the Cultural Component or Directed Electives area)

ENGL 450 Nonnative Speakers in the Midwest 3 cr. OR

ENGL 471 Issues in Bilingualism 3 cr.

Directed Electives: 9 cr. hrs.

Choose from the following:

ECON 312; ENGL 307,, 441, 442, 443, 450, 471; ETHN 200; HIST 204, 208, 245; PHIL 245; POLS 212; GEOG 342, 343, 344; COMD 162, 163, 469; PSYC 236, 285, 305, 320; SOWK 260; SOCI/ANTH 205, 211, 221, 225, 228, 348; SPAN 341, 342, 345, 346, 350, 351,

352, 355, 356, 401, 452, 455, 490; FREN 341, 342, 350, 351, 352,
401, 451, 452, 453, 490; GERM 315, 341, 342, 350, 351, 352, 401,
451, 452, 453, 490; COMS 306, 313; DFT 340; TED 461.

Required for certification (not counted in major):

TED 428 Techniques of Elementary/Middle/Secondary Education:
TESOL 3 cr.

University of Wisconsin-River Falls
410 S. 3rd Street, River Falls WI 54022 USA
Campus Information (715) 425-3911

Teaching English to Speakers of Other Languages Minor

TESOL Minor -Liberal Arts: 24 Total Credits

Foreign Language Requirement: (6 cr. hrs.)

(credits not counted in minor)

6 semester hours of a foreign language, the high school equivalent, or proven proficiency in a foreign language is required of all students pursuing a TESOL minor. This foundation requirement is not included in the number of credit hours needed for the minor proper. If English is not your native language, you have already fulfilled this requirement.

Required Courses: 21 cr. hrs.

ENGL 311 Introduction to Language and Linguistics 3 cr.

ENGL 320 Structure of English 3 cr.

ENGL 322 Acquisition of Language 3 cr.

ENGL 360 Theory and Methodology of TESOL 3 cr.

ENGL 373 Techniques in Tutoring: TESOL Practicum 3 cr.

ENGL 420 Pedagogical Grammar 3 cr.

ENGL 475 Assessment and Testing in TESOL 3 cr.

Directed Electives: 3 cr. hrs.

Choose from the following:

ECON 312; **ENGL 307**,, **441, 442, 443, 450, 471**; **ETHN 200**; **HIST 204, 208, 245**; **PHIL 245**; **POLS 212**; **GEOG 342, 343, 344**; **COMD 162, 163, 469**; **PSYC 236, 285, 305, 320**; **SOWK 260**; **SOCI/ANTH 205, 211, 221, 225, 228, 348**; **SPAN 341, 342, 345, 346, 350, 351, 352, 355, 356, 401, 452, 455, 490**; **FREN 341, 342, 350, 351, 352, 401, 451, 452, 453, 490**; **GERM 315, 341, 342, 350, 351, 352, 401, 451, 452, 453, 490**; **COMS 306, 313**; **DFT 340**; **TED 461**.

TESOL Minor - Education: 24 Total Credits

Foreign Language Requirement: 6 cr. hrs.

(credits not counted in minor)

6 semester hours of a foreign language, the high school equivalent, or proven proficiency in a foreign language is required of all students pursuing a TESOL major. This foundation requirement is not included in the number of credit hours needed for the major proper. The 6 semester hours are separate from the Cultural Component. A first language used by a major who is a non-native speaker of English to satisfy this language requirement cannot be used as the basis for satisfying the cultural requirement below; study in the English language should be used for such a student or, in the case of fluency in English, the student may request to do the cultural component in a language other than English or the student,s native language. In the case of fluency in both English and a native language, a student may elect to satisfy this language requirement by a third language.

You cannot have a TESOL education minor with a liberal arts

Department of English

245 Kleinpell Fine Arts

(715) 425-3537

www.uwrf.edu/ENGL/

Marshall Toman-Chair, Jennifer Brantley, David Furniss, Greta Gaard, Kathleen Hunzer, Annette Klomp, Steven Luebke, Mialisa Moline, Michelle Parkinson, Vladimir Pavlov, Kenneth Price, Joseph Rein, Catherine Ross-Stroud, Elizabeth Schneider-Rebozo

major--you must have a major in education.

Required Courses: 18 cr. hrs.

ENGL 311 Introduction to Language and Linguistics 3 cr.

ENGL 320 Structure of English 3 cr.

ENGL 322 Acquisition of Language 3 cr.

ENGL 360 Theory and Methodology of TESOL 3 cr.

ENGL 373 Techniques in Tutoring: TESOL Practicum 3 cr.

ENGL 420 Pedagogical Grammar 3 cr.

Directed Electives: 9 cr. hrs.

Choose from the following:

ECON 312; ENGL 307, 441, 442, 443, 450, 471; ETHN 200; HIST 204, 208, 245; PHIL 245; POLS 212; GEOG 342, 343, 344; COMD 162, 163, 469; PSYC 236, 285, 305, 320; SOWK 260; SOCI/ANTH 205, 211, 221, 225, 228, 348; SPAN 341, 342, 345, 346, 350, 351, 352, 355, 356, 401, 452, 455, 490; FREN 341, 342, 350, 351, 352, 401, 451, 452, 453, 490; GERM 315, 341, 342, 350, 351, 352, 401, 451, 452, 453, 490; COMS 306, 313; DFT 340; TED 461.

Required for certification (not counted in minor):

TED 428 Techniques of Elementary/Middle/Secondary Education: TESOL 3 cr.

University of Wisconsin-River Falls
410 S. 3rd Street, River Falls WI 54022 USA
Campus Information (715) 425-3911

Catalog

Theatre Arts Major

Major in Theatre Arts–Liberal Arts B.S., 37 Credits

Required Courses: 22 cr. hrs.

- THEA 121 Acting I: Basic Techniques 3 cr.
- THEA 131 Design for the Theatre 3 cr.
- THEA 294 Sophomore Seminar: Theatre 3 cr.
- THEA 335 Directing I 3 cr.
- THEA 379 Internship 3-12 cr.
- THEA 484 Senior Portfolio Seminar in THEA 1 cr.
- Choose Two
- THEA 337 History of Theatre-Ancient to Medieval 3 cr.
- Or THEA 338 History of Theatre-Renaissance to 20th Century 3 cr.
- Or THEA 339 American Theatre 3 cr.

Performance Track 15 Credits

Required Courses: 9 cr. hrs.

- THEA 222 Voice and Articulation 3 cr.
- THEA 231 Stage Technology and Scene Painting 3 cr.
- THEA 332 Stage Costuming 3 cr.
- Electives: 6 cr.
- THEA 221 Acting II: Characterization 3 cr.
- THEA 225 Musical Theatre Performance 3 cr.
- THEA 327 Children's Theatre and Puppetry 3 cr.
- THEA 334 Playwriting 3 cr.
- THEA 435 Directing II 3 cr.
- Or approved substitution

Design/Tech Track 15 Credits

Required Courses: 12 cr. hrs.

- THEA 231 Stage Technology and Scene Painting 3 cr.
- THEA 332 Stage Costuming 3 cr.
- THEA 333 Stage Lighting 3 cr.
- THEA 432 Computer Aided Theatrical Design 3 cr.
- Electives: 3 cr. hrs.**
- THEA 234 Stage Management 3 cr.
- THEA 336 Fashion History 3 cr.
- Or approved substitution

Management Track 15 Credits

Required Courses: 12 cr. hrs.

- THEA 231 Stage Technology and Scene Painting 3 cr.
- Or THEA 333 Stage Lighting 3 cr.
- THEA 234 Stage Management 3 cr.
- THEA 323 Arts Management 3 cr.
- THEA 432 Computer Aided Theatrical Design 3 cr.
- Electives: 3 cr. hrs.**
- THEA 334 Playwriting 3 cr.
- THEA 435 Directing II 3 cr.

Department of
Communication Studies and
Theatre Arts

B-24 Kleinpell Fine Arts
(715) 425-3971
www.uwrf.edu/CSTA/

Robin Murray-Chair, Kenneth
Stofferahn, James Zimmerman

Visiting Professors: Erik Johnson

Adjuncts: Denise Baker, Lawrence
Bennett, Sean Dooley

Or approved substitution

Dramaturgy Track 15 Credits

Required Courses: 9 cr. hrs.

THEA 230 Playwrights of Color 3 cr.

THEA 334 Playwriting 3 cr.

THEA 337 History of Theatre-Ancient to Medieval 3 cr.

Or THEA 338 History of Theatre-Renaissance to 20th Century 3 cr.

Or THEA 339 American Theatre 3 cr.

Electives: 6 cr. hrs.

THEA 327 Children's Theatre and Puppetry 3 cr.

THEA 301 History of Film 3 cr.

THEA 336 Fashion History 3 cr.

ENGL 232 Contemporary Drama 3 cr.

Or approved substitution

Digital Film and Television Communication (DFT) Emphasis 36

Total Credits

Required Courses: 24 cr. hrs.

DFT 151 Broadcast Performance 3 cr.

DFT 160 TV Studio Production 3 cr.

DFT 260 Electronic Field Production 3 cr.

(DFT 160 is pre-requisite)

DFT 284 Sophomore Seminar: Foundations in Communication and Theatre Studies 3 cr.

DFT 310 Media Literacy - A Weapon Against Propaganda 3 cr.

DFT 360 Advanced Field Production 3 cr.

DFT 151, 260 are pre-requisites)

DFT 377 Mass Communication Practicum (1 cr. x 2)

DFT 486 Capstone Project in Communication Studies

Directed Electives: 6 cr. hrs.

Choose one of the following:

DFT 261 Electronic Media Copy Writing 3 cr.

JOUR 245 Writing for Film and Television 3 cr.

Choose one from the following:

DFT 301 History of Film 3 cr.

DFT 458 Broadcast Programming and Criticism 3 cr.

Electives: 6 cr. hrs.

DFT 200 Introduction to Film Studies 3 cr.

JOUR 245 Writing for Film and Television 3 cr.

DFT 261 Electronic Media Copy Writing 3 cr.

DFT 301 History of Film 3 cr.

JOUR 302 History of Documentary 3 cr.

JOUR 303 Documentary Production 3 cr.

DFT 351 Broadcast Performance II (Acting for the Camera) 3 cr.

DFT 379 Internship (3 -12 cr.)

DFT 389 Special Topics Option (could be repeated) (.5-3 cr.)

DFT 458 Broadcast Programming and Criticism 3 cr.

DFT 499 Independent Study (1-3 cr.)

University of Wisconsin-River Falls
410 S. 3rd Street, River Falls WI 54022 USA
Campus Information (715) 425-3911

Theatre Arts Minor

Minor in Theatre Arts–Liberal Arts B.S., 24 Total Credits

Required: 15 cr. hrs.

THEA 121 Acting I: Basic Techniques 3 cr.

THEA 131 Design for the Theatre 3 cr.

Choose one

THEA 231 Stage Technology and Scene Painting 3 cr.

Or **THEA 332** Stage Costuming 3 cr.

Or **THEA 333** Stage Lighting 3 cr.

Choose one

THEA 337 History of Theatre-Ancient to Medieval 3 cr.

Or **THEA 338** History of Theatre-Renaissance to 20th Century 3 cr.

Or **THEA 339** American Theatre 3 cr.

THEA 335 Directing I 3 cr.

General Electives: 9 cr. hrs.

THEA 221 Acting II: Characterization 3 cr.

THEA 222 Voice and Articulation 3 cr.

THEA 225 Musical Theatre Performance 3 cr.

THEA 230 Playwrights of Color 3 cr.

THEA 231 Stage Technology and Scene Painting (if not chosen under required) 3 cr.

THEA 232 Makeup for Theatre, Film, and Video 3 cr.

THEA 234 Stage Management 3 cr.

THEA 294 Sophomore Seminar: Theatre 3 cr.

THEA 323 Arts Management 3 cr.

THEA 327 Children's Theatre and Puppetry 3 cr.

THEA 332 Stage Costuming 3 cr.

THEA 333 Stage Lighting 3 cr.

THEA 334 Playwriting 3 cr.

THEA 336 Fashion History 3 cr.

THEA 375 Theatre Practicum: Production 1 cr.

THEA 376 Theatre Practicum: Design and Technology 1 cr.

THEA 432 Computer Aided Theatrical Design 3 cr.

THEA 435 Directing II 3 cr.

THEA 499 Independent Study/Independent Research 1-3 cr.

Or Approved Substitution

A research/writing course experience is required in the major or another field; **THEA 284** Sophomore Seminar or another course approved by the department chair, will satisfy this requirement. A senior portfolio experience is required in the major or another field; **THEA 484**, Senior Portfolio Seminar or another course approved by the department chair, will satisfy this requirement.

Department of
Communication Studies and
Theatre Arts

B-24 Kleinpell Fine Arts
(715) 425-3971
www.uwrf.edu/CSTA/

Robin Murray-Chair, Kenneth
Stofferahn, James Zimmerman

Visiting Professors: Erik Johnson

Adjuncts: Denise Baker, Lawrence
Bennett, Sean Dooley

Women's and Gender Studies

**Minor in Women's and Gender Studies 23 Total Credits
Required Core Course for all minors 3 cr. hrs.**

WGST 200 (d) Introduction to Women's and Gender Studies 3 cr.

Directed Electives 20 credits

Choose any WGST course (co-listed or stand-alone)

WGST 320 Gender Issues in Science 3 cr.

WGST 350 Introduction to LGBTQ Studies

WGST 379 Internship/Service Learning 3-6 cr.

WGST 389 Topics in Women's and Gender Studies

WGST 499 Directed Study

WGST/HIST 205 Women's History: United States, 3 cr.

WGST/HIST 305 Women's History: Global, 3 cr.

WGST/POLS 314 Women and Politics, 3 cr.

WGST/PSYC 225 Sex Differences, Gender Roles, and Sexual Orientation

WGST/PSYC 375 Psychology of Human Sexuality

WGST/ANTH/SOCI 221 Global Perspectives on Women, 3 cr.

WGST/SOCI 323 Sociology of Family

WGST/SOCI 326 Sociology of Gender Roles

WGST/COMS 206 Family Communication

WGST/COMS 440 Gender Communication

WGST/ENGL 214 Women in Literature

WGST/ENGL 235 American Autobiography

WGST/ENGL 300 Women, Film, and Society

WGST/ENGL 443 American Ethnic Women Authors

WGST/ART 321 Gender and Art

Women's and Gender
Studies (WGST)
Interdisciplinary Program

**264 Kleinpell Fine Arts
(715) 425-3850**

Michelle Parkinson - Coordinator

A minor in Women's and Gender Studies provides students with the following: a broad historical representation of scholarship on women; a set of methodologies that acknowledge the intrinsic value of the experiences, contributions, and perspectives of both women and men.

The minor consists of a core course and elective courses in many disciplines for a total of 23 minimum credit hours.

[Women's and Gender Studies
Program Web Site](#)

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Liberal Arts Courses

Liberal Arts Courses

These courses meet the Liberal Arts requirements prescribed in CAS degree programs. For courses listed in previous catalogs or those approved subsequent to this catalog, check with the Dean, College of Arts and Sciences. (715) 425-3366

Liberal Arts - 3 courses (minimum of 8 credits)

At least 2 Liberal Arts courses must be at 200 level or higher.
Testouts are excluded.

Must take courses from at least 2 divisions. May take 1 course in division of major or minor, but course cannot be in either the major or minor area. Students in multidisciplinary programs should follow liberal arts policy of that degree.

Liberal Arts courses with "D" designation count toward Liberal Arts and the American Cultural Diversity requirement.

Liberal Arts courses with "G" designation count toward Liberal Arts and the Global Perspectives requirement.

CAS policy - All approved Liberal Arts courses must be a minimum of 2 credits

Note: although there are courses listed in the Liberal Arts section that can also fulfill other requirements e.g., SPAN 101 can used in General Education: Communication – Speaking and Listening) courses taken for Liberal Arts credit cannot be double counted in any other area (e.g., major, minor).

Divisions

Humanities

Modern Language

Natural Sciences and Math

Social and Behavioral Sciences

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Humanities Division

Art (ART)

- 211 Western Art to 1500
- 212 Art History Since 1500
- 226 Introduction to Fibers
- 227 Introduction to Clay
- 228 Introduction to Metals
- 229 Introduction to Glass
- 235 Introduction to Black and White Photography
- 236 Introduction to Printmaking
- 237 Introduction to Sculpture
- 238 Introduction to Painting
- 311 American Art to 1865
- 312 American Art Since 1865
- 314 Art of China, Japan and India
- 318 Latin American Art

Digital Film and Television (DFT)

- 200 Introduction to Film Studies
- 248 Cultures in Conflict (d)
- 301 History of Film
- 310 Media Literacy
- 353 Mass Media and Popular Culture

English (ENGL)

- 202 Literature of Science Fiction
- 203 Literature of the African-American Experience (d)
- 205 Literature of War
- 208 Literature of Native American Experience (d)
- 212 The Native American in Literature (d)
- 214 Women's Literature (g)
- 222 Literature of Fantasy
- 226 Detective Fiction
- 228 Literature of Environmental Justice (d)
- 230 International Short Fiction (g)
- 231 Short Story
- 232 Contemporary Drama (g)
- 233 Introduction to Poetry
- 234 Modern Novels (g)
- 235 American Autobiography: Varieties of Personal Narrative (d)
- 237 Introduction to Greek Mythology
- 250 Literature for Children
- 253 Introduction to Literary Studies
- 262 Creative Writing
- 300 Women, Film and Society
- 301 History of Film

Humanities (HUM)

- 300 Multidisciplinary Human Perspectives
- 311 Arts and Ideas I: Classical Greece to the Renaissance
- 312 Arts and Ideas II: The Baroque to the Postmodern

International Studies (INTS)

- 200 Introduction to International Studies
- 365 Contemporary Europe (g)
- 370 International Study Tour
- 371 Politics of German Speaking Europe
- 372 The Politics of Scotland
- 442 World Cinema (g)

Journalism (JOUR)

- 301 History of Film

Music (MUS)

- 200 American Music
- 234 Music History and Literature I
- 235 Music History and Literature II
- 255 History of Jazz
- 300 World Music (g)

Philosophy (PHIL)

- 201 Human Nature, Ethics and the Natural World
- 221 Ancient Philosophy
- 222 Hellenistic and Medieval Philosophy
- 224 Existentialism and Late Modern Philosophy
- 230 Logical Reasoning
- 232 Biblical and Philosophical Approaches to Contemporary Issues
- 240 Social Ethics
- 245 Eastern Religions and Islam(g)
- 265 God, Religion, Science and the Meaning of Life
- 303 Environmental Ethics
- 304 Business Ethics
- 307 Greece to the Middle Ages
- 308 Renaissance to Marx
- 309 Western Political Thought: Nietzsche to the Present
- 310 Philosophy and History of Visual Art
- 311 Philosophy of Law
- 316 Media Ethics
- 323 Science and the Philosophers of the Age of Enlightenment
- 369 American Intellectual History

306 Postcolonial Film and Literature (g)
307 Ethnic Film, Literature, and Culture (d)
309 Film and Literature of the New Europe (g)
310 U.S. Environmental Literature
317 Modern East Asian Film and Literature (g)
321 English Language: History and Culture
335 Shakespeare
355 Literature for Adolescents
362 Introduction to Rhetorical Studies
371 Proposal Writing: Changing Through Rhetoric
374 Cyberliteracy and Writing on the Web
385 Seminar: the American Frontier
432 Contemporary American Literature
441 20th Century International Literature
442 World Cinema (g)
443 American Ethnic Women Writers (d)

Ethnic Studies (ETHN)

200 Ethnic Studies (d)

Film (FILM)

200 Introduction to Film Studies
248 Cultures in Conflict (d)
300 Women, Film and Society
301 History of Film
302 History of Documentary
306 Postcolonial Film and Literature (g)
307 Ethnic Film, Literature, and Culture (d)
309 Film and Literature of the New Europe (g)
317 Modern East Asian Film and Literature (g)
442 World Cinema (g)

415 Philosophy of History

Political Science (POLS)

230 Contemporary Political Ideologies
307 Greece to the Middle Ages
308 Renaissance to Marx
309 Western Political Thought: Nietzsche to the Present
310 American Political Thought
371 Politics of German Speaking Europe
372 The Politics of Scotland

Theater (THEA)

227 World Puppetry (g)
230 Playwrights of Color (d)
334 Playwriting
336 Costume and Fashion
337 History of Theatre and Dramatic Literature
338 History of Theatre and Dramatic Literature: 18th Century to Present
339 American Theatre

Women's and Gender Studies (WGST)

200 Introduction to Women's and Gender Studies (d)
214 Women's Literature (g)
235 American Autobiography: Varieties of Personal Narrative (d)
300 Women, Film and Society
443 American Ethnic Women Writers (d)

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Liberal Arts: Modern Language

Modern Language Division

Communicative Disorders (COMD)

162 Introduction to American Sign Language
469 American Sign Language

Modern Language (MODL)

376 Mexico: Cultural Experience (g)

Chinese (CHIN)

101 Beginning Chinese I
102 Beginning Chinese II
201 Intermediate Chinese I
202 Intermediate Chinese II

French (FREN)

101 Beginning French I
102 Beginning French II
201 Intermediate French I
202 Intermediate French II
301 French Conversation and Composition I
302 French Conversation and Composition II
316 History of French Cinema
341 French Civilization
342 France and Francophone
351 French Literature to 1800
352 French Literature from 1800 to Present
401 Advanced French Communication
451 French Prose Fiction
452 French Poetry
453 French Drama

German (GERM)

101 Beginning German I
102 Beginning German II
201 Intermediate German I
202 Intermediate German II
275 Business German
301 German Conversation and Composition I
302 German Conversation and Composition II
315 Classic & Modern German Film
341 German Civilization to 1648
342 Modern German-Speaking Cultures
351 Survey of German Literature
352 Survey of German Literature
401 Advanced German Communication
451 German Drama and Theatre
452 German Tale, Short Story and Novella
453 German Poetry

Japanese (JAPN)

101 Beginning Japanese I
102 Beginning Japanese II
201 Intermediate Japanese I
202 Intermediate Japanese II

Spanish (SPAN)

101 Beginning Spanish I
102 Beginning Spanish II
201 Intermediate Spanish I
202 Intermediate Spanish II
301 Spanish Composition and Conversation I
302 Spanish Composition and Conversation II
341 Spanish Civilization to 1800
342 Spanish Civilization from 1800 to Present
345 Latin American Civilization to 1800
346 Latin American Civilization
351 Survey of Spanish Literature
352 Survey of Spanish Literature
355 Survey of Latin American Literature
356 Survey of Latin American Literature
371 Business and Culture in the Hispanic World
372 Spanish for the Trades and Professions
401 Advanced Spanish Communication
452 Advanced Spanish Literature
455 Advanced Latin American Literature

Liberal Arts: Natural Sciences and Math

Natural Sciences and Mathematics Division

Biology (BIOL)

253 Human Biology
307 Human Heredity
344 Wildlife Biology

Chemistry (CHEM)

220 Chemistry of Life

Environmental Science Management (ESM)

220 Environmental Sustainability

Geography (GEOG)

316 The Physical Environment of Urban Areas

Geology (GEOL)

202 Oceanography
305 Geology of the Planets
330 Meteorology

Mathematics (MATH)

216 Elementary Statistical Concepts

Physics (PHYS)

220 Science of Light
318 Astrophysics
321 Science of Sound
350 Science and Art

Sociology (SOCI)

250 Introduction to Social Statistics

Students may substitute advanced courses in sciences and mathematics within the distribution requirement by petition of the department and with approval of the Dean, College of Arts and Sciences.

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Liberal Arts: Social and Behavioral Sciences

Social and Behavioral Sciences Division

Accounting (ACCT)

201 Survey of Accounting

Anthropology (ANTH)

314 Faces of Culture
322 Race and Ethnicity (d)
331 Global Perspectives on Women
333 Human and Cultural Origins
338 Global Health & Disease

Business Law (BLAW)

265 Business Law I
266 Business Law II
354 Women and the Law

Criminal Justice (CJ)

320 Juvenile Delinquency
322 Criminology

Economics (ECON)

201 Principles of Microeconomics
202 Principles of Macroeconomics
305 Money and Banking
312 Political Economy of Discrimination (d)
324 Labor Economics
328 Domestic Topics in African, Asian, & Latin American Economic Development (g)
329 Global Topics in African, Asian, & Latin American Economic Development (329)
332 Public Finance
334 Public Regulation
340 Contemporary International Trade (g)
342 International Finance
344 Comp Economics Systems
362 History of Economic Thought

Ethnic Studies (ETHN)

200 Ethnic Studies (d)

Environmental Science Management (ESM)

251 Community Decision Making
293 Community Analysis
351 Planning for Sustainable Community
377 Business Ecology

Finance (FINC)

210 Personal Finance

International Studies (INTS)

200 Introduction to International Studies
365 Contemporary Europe (g)
370 International Study Tour
442 World Cinema (g)

Journalism (JOUR)

240 Introduction to Visual Communication
302 History of Documentary
305 News in the Movies
319 Media & American Politics
345 History of Mass Communication
460 International Communication
465 Mass Communication Law

Political Science (POLS)

212 The Politics of Equality and Inequality in The United States (d)
220 Introduction to Public Opinion and Political Behavior
225 Public Administration
230 Contemporary Political Ideologies
245 Introduction to Comparative Politics (g)
253 State and Local Politics
256 Public Policy Making
260 Introduction to International Relations (g)
307 Greece to the Middle Ages
308 Renaissance to Marx
309 Western Political Thought: Nietzsche to the Present
310 American Political Thought
311 American Political Parties and Elections
312 Political Economy of Discrimination(d)
314 Women and Politics
319 Media and American Politics
321 Political Participation
322 Politics of American Cities
326 American Presidency
327 Congressional Politics
332 Public Finance
344 Politics of the Developing World
346 Politics of Western Europe
348 Politics of East Asia
349 Middle Eastern History & Politics
354 Women and the Law
359 Criminal Justice Politics and Policy
364 International War and Peace

Geography (GEOG)

220 Economic Geography
237 Poverty in the United States (d)
240 The United States
241 Wisconsin
242 Canada
322 Urban Geography
324 Historical Geography of the United States
340 Europe
342 Latin America (g)
343 Africa
344 Asia & Oceania (g)
385 Seminar: the American Frontier
428 Political Geography

History (HIST)

201 Introduction to Asian Civilization (g)
202 Introduction to Latin American Civilizations (g)
203 The Mediterranean: A Survey (g)
204 United States Immigration & Ethnic History
205 Women's History: United States
206 Native Americans & the United States (d)
207 African American History (d)
208 History of the Mexican American/Chicano
209 Introduction to African History (g)
210 Public History
215 United States History to 1865
216 U.S. History from 1865
221 Great Battles
301 History of Film
303 Women's History: Europe
305 Women's History: Global Perspective
307 Western Political Thought: Plato to Aq
308 Renaissance to Marx
309 Western Political Thought: Nietzsche to the Present
310 American Political Thought
315 The World of Napoleon
316 British Empire
317 Social Movements in Modern Britain: 1870-1936
318 Twentieth Century Europe
320 Ancient Rome
321 Early Middle Ages
322 The Renaissance
323 The Reformation
324 Early Modern Europe
325 Late Middle Ages
330 Revolutions in Modern History
332 The Islamic Middle East to 1500
333 Silk, Spices, and Silver: The Making of the Global Exchange System to 1700 (g)
334 Modern China 1800 to Present
335 Modern Japan: 1600 to Present
336 Traditional East Asia, Prehistory-1800
349 Middle Eastern History & Politics
351 United States Colonial History I
352 United States Colonial History II

365 American Foreign Policy
367 History of United States Foreign Policy
369 Politics of the World Economy
371 Politics of German Speaking Europe
372 The Politics of Scotland
377 The United Nations
416 Constitutional Law

Psychology (PSYC)

225 Sex Differences, Gender Roles, and Sexual Orientation
265 Social Psychology
269 Health Psychology
285 Prejudice and Racism
305 Learning and Motivation
375 Human Sexuality

Social Work (SOWK)

205 Introduction to Social Work and Welfare
215 Human Behavior in Social Environment
250 Use, Abuse and Addiction

Sociology (SOCL)

210 Contemporary Social Problems
218 Deviant Behavior
220 Sociology of Diversity (d)
314 Faces of Culture
322 Race & Ethnicity (d)
326 Sociology of Gender Roles
331 Global Perspectives on Women
332 Environmental Sociology
333 Human and Cultural Origins
338 Global Health and Disease
341 Sociology of Later Life
342 Sociology of Family
343 Sociology of Sport & Leisure

Wisconsin in Scotland (WIS)

200 British History

Women's and Gender Studies (WGST)

200 Introduction to Women's and Gender Studies (d)
205 Women's History: United States
225 Sex Differences, Gender Roles, and Sexual Orientation
305 Women's History: Global Perspective
314 Women and Politics
320 Gender Issues in Science
326 Sociology of Gender Roles
331 Global Perspectives on Women
342 Sociology of Family
354 Women and the Law
375 Human Sexuality

353 United States History: 1790-1850
354 United States History: Age of Growth
358 United States History 1890-1945
359 United States History from 1945
360 The Long Nineteenth Century: Europe 1789-1914
364 History of the Upper Midwest: Furs, Logs & Farms
366 Social History of the United States
367 History of United States Foreign Policy
369 American Intellectual History
385 Seminar: the American Frontier
402 History in Film
416 Constitutional Law
436 History of Colonial & Imperialism
483 Reading Seminar: Race & Ethnicity
481 Material and Popular Culture
486 Seminar: History of the Americas

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Pre-professional Programs

Pre-professional Curricula Leading to a Degree

Three-year programs leading to a degree have been designed under the Professional Option for the B.S. degree in the College of Arts and Sciences. These programs leading to a degree are available in such fields as:

- engineering
- law
- medicine
- optometry
- pharmacy
- veterinary medicine

Details must be worked out by the student and the advisor and approved by the Dean of the College of Arts and Sciences in advance.

Pre-professional programs are designed for students who will transfer to professional schools and colleges. These are suggested curricula only. Since the pre-professional requirements vary, students and their advisers must study the catalog of the institution to which they wish to transfer and make the necessary course adjustments in the suggested programs. By careful selection of pre-professional and general education courses, a three-year student may be able to take advantage of the Professional Option for a bachelor's degree in the College of Arts and Sciences. If the Professional Option is chosen, the program must include completion of General Education requirements.

Please note that many professional schools and colleges are now requiring a bachelor's degree for admission and are becoming graduate schools only.

The names of the advisors for the various pre-professional programs may be obtained by contacting the Office of the Dean of Arts and Sciences, 136 Fine Arts, (715) 425-3366.

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Pre-Health Professions

[Pre-Health Requirement PDF](#)

For more detailed information visit the [Biology website](#).

Pre-Medical, Pre-Dental or Pre-Optometry

Most pre-health professional students major in Biology or Chemistry (and a minor in Biology or Chemistry) because of the number of courses required in these areas, but keep in mind that other majors are possible. Pre-Medical, Pre-Dental or Pre-Optometry are not majors on their own. Requirements for a declared major and minor must be met to graduate. The recommended curriculum below is suggested to meet both the required and recommended prerequisites of most of the schools, as well as to prepare you for the Medical College (MCAT), Optometry (OAT), or Dental Admission Test (DAT).

Biology

Biology 150 (General Biology)

Biology 230 (General Zoology)

Biology 240 (Cell Biology)

Biology 324 (Microbiology)

Biology 341 and 342 (Anatomy and Physiology I and II)

MCATs include Biology 350 (Genetics)

Additional recommended Biology courses can include genetics, immunology, molecular biology, and developmental biology

Chemistry

Chemistry 121 and 122, (General Chemistry 1 and 2)

Chem 231, 232 236, 237 (Organic Chemistry 1 and 2)

Optometry School - Chemistry 361 (Biochemistry)

Dental School - Chemistry 361, most with lab

Medical School - Chemistry 361 and 362 strongly recommended

Physics

Physics 151 and 156, (Algebra-Based Physics I and Lab)

Physics 152 and 157 (Algebra-Based Physics II and Lab)

Math

Optometry School - Math through Math 166 (Calculus), a select few require a second semester of Calculus; and Statistics

Dental School - No math prerequisite, but Geometry, Algebra, and Trigonometry are covered in the DAT, Statistics is required

Medical School - Most require or recommend Math through Math 166 (Calculus) and statistics

Generals

Psych 101 (Introduction to Psychology), COMS 101 (Speech),

Sociology 100, English 100 and 200 are usually required or strongly

recommended. Writing intensive or literature classes, are also required by some (Univ. of MN)

Occupational Therapy

OPTION B MINOR

Biology requirements include Bio 150, Cell, and A and P, Bio Greek and Latin. There are no chemistry requirements. Psychology - Psych 101, (Intro), Psych 236 (Child and Adolescent Psychology), Psych 336 (Adulthood and Aging), Psych 325 (Abnormal Psych) Sociology 101, Math - Statistics, Physics 151 and 157

Physical Therapy

OPTION B MINOR consisting of Physics 152, 157 (Algebra Based Physics II)

Math 166 (not all schools require Calculus, but UM does)

Psych 236 (Childhood and Adolescence)

Psych 336 (Adulthood and Aging)

Psych 325 (Abnormal Psychology)

PED 354 (Biomechanics)

Heal 215 (Nutrition)

Heal 366 (Exercise Physiology)

Physician Assistant

Biology requirements include Bio 150, Bio 230 (Zoology) Bio 243, Bio 325

(Microbiology) Bio 341 and 342, Bio 350

Gen Chem, Organic and Biochemistry (1 full year)

Stats, Psychology 101 (intro), Psych 236 (Childhood and Adolescence) and Psych336 (Adulthood and Aging), some also require 325 (Abnormal)

Chiropractic

Bio 150, Bio230 (Zoology), Bio 324 (Microbiology) Bio 341 and 342 (A &P I, II)

Chem 121 and 122 (General Chem), Chem 231/236 and 232/237 (Organic), suggest Biochem but not required

Physics 151/156 (General Physics with lab) and one of the following Physics 152/157 (2nd semester physics)

PED 354 (Biomechanics)

Math 226 (Stats)

Psych 101 (General Psychology)

15 credits Social/Behav Sciences / Humanities

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Pre-professional Engineering

Pre-engineering

General Program (see adviser for specialties)

The first two years of any engineering curriculum are mainly math and physics. In addition, UW-River Falls offers several special courses for engineering. Thus a student will have no problem transferring to an engineering school as a junior after taking the first two years at River Falls.

It should be emphasized, however, that there are slightly different requirements for different engineering specialties and schools so a student should contact the pre-engineering adviser in the physics department as soon as possible.

General Education 15 cr. hrs.

ENGL 100, 200 6 cr.

ECON 201, 202 6 cr.

CSTA 101 3 cr.

Pre-Engineering

Pre-Engineering 68 Total Credits

Required Courses: 55 cr. hrs.

PHYS 161 Calculus-Based Physics I 4 cr.

PHYS 166 Calculus-Based Physics Laboratory I 1 cr.

PHYS 162 Calculus-Based Physics II 4 cr.

PHYS 167 Calculus-Based Physics Laboratory II 1 cr.

PHYS 211 Scientific Programming 3 cr.

CHEM 121 General Chemistry I 5 cr.

CHEM 122 General Chemistry II 5 cr.

MATH 166 Calculus I 4 cr.

MATH 167 Calculus II 4 cr.

MATH 256 Linear Algebra 3 cr.

MATH 266 Calculus III 3 cr.

MATH 331 Differential Equations 3 cr.

ENGL 100 Academic Reading and Writing 3 cr.

ENGL 200 Investigating Ideas: Reading, Writing and the Disciplines 3 cr.

ECON 201 Principles of Microeconomics 3 cr.

ECON 202 Principles of Macroeconomics 3 cr.

CSTA 101 Fundamentals of Oral Communication 3 cr.

Electives depending on final engineering major: 13 cr. hrs.

Select from MATH, PHYS, CSIS, CHEM, GENG, BIOL, GEOL

Department of Physics

125 Centennial Science Hall

(715) 425-3235

www.uwrf.edu/PHYS/

Earl Blodgett-Chair, Rellen Hardtke,
Eileen Korenic, James Madsen, Lowell
McCann, Glenn Spiczak, and Matthew
Vonk

Pre-professional Law

Pre-Law

According to the Association of American Law Schools, preparation for entry into law school calls for

1. the development of basic skills, particularly in the use of language;
2. a strenuous effort to improve one's capacity for critical thinking; and
3. the acquiring of a broad liberal arts background.

The skill most basic to success both as an undergraduate student and as a law school student is the ability to competently use the English language in both written and oral form. In addition students need to be concerned with developing the capacity to think logically and to critically evaluate the knowledge gained through their courses of study.

Admission to Law School does not call for a particular major field or specific list of courses beyond those required by the University for the undergraduate degree. Consequently, there is no pre-law major at UW-River Falls. Students planning on a legal career should think of their undergraduate studies as preparation toward a goal rather than a prescribed set of courses.

The pre-law adviser's office (Political Science Department) is available to all students on the UW-River Falls campus who have questions regarding law school. The adviser works closely with those who do choose to apply to law school, to make sure that all the necessary materials are readily available to them and that they understand the application process.

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Pre-professional Veterinary Medicine

Pre-veterinary Medicine

The program shown exceeds the minimum requirements for admission to some veterinary colleges, including the University of Wisconsin-Madison and the University of Minnesota. Based on the experiences of its many successful pre-veterinary students, the university recommends that students complete the full program in order to be better prepared for veterinary school.

A. General Education: Communications, Arts, and Humanities 15 cr. hrs.

ENGL 100, 200 6 cr.

COMS 101 or 116 3 cr.

Electives selected from art, literature, music and theatre 6 cr.

B. General Education: Social and Behavioral Sciences 6 cr. hrs.

Select from anthropology, economics, geography, history, political science, psychology, or sociology

C. Science and Math 63-69 cr. hrs.

MATH 146, 147 4-10 cr.

ANSC 341 Biometrics 3 cr.

or MATH 216 Elementary Statistical Concepts

BIOL 150, 230, 240, 324 13 cr.

CHEM 121 (or 120), 122, 231, 232, 236, 237, 361 21 cr.

PHYS 151, 152, 156, 157 10 cr.

ANSC 111, 121, 231, 257 (or BIOL 350), 345 13 cr.

D. Electives

Variable number of credits selected to meet requirements of specific veterinary colleges and/or to fulfill academic major and minor requirements for a degree.

TOTAL 84-90 cr. hrs.

Most pre-veterinary students major in **Animal Science**, **Biology** or **Chemistry** because of the number of courses required in these areas but keep in mind that other majors are possible.

Students have the greatest success in applying to a veterinary school in the state in which they reside. For most River Falls students these schools include the University of Wisconsin-Madison and the University of Minnesota in St. Paul.

These schools have similar course requirements for admission. Application to other Schools of Veterinary Medicine is also possible.

Dr. Larry Baumann
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206a Agricultural Science
(715) 425-3187
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Dr. Kim Mogen
Biology Dept.
406 Agricultural Science
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