**GEOGRAPHY, ENVIRONMENTAL GEOGRAPHY, COMPREHENSIVE MAJOR**

**University Requirements**

**Graduation Requirements for Baccalaureate Degree**

<table>
<thead>
<tr>
<th>Credit Requirements</th>
<th>Minimum total for graduation</th>
<th>120</th>
</tr>
</thead>
<tbody>
<tr>
<td>Upper division credits (courses numbered 300 and higher)</td>
<td>39</td>
<td></td>
</tr>
<tr>
<td>Liberal Education Core</td>
<td>36</td>
<td></td>
</tr>
</tbody>
</table>

**Academic Concentrations**

**Grade Point Requirements**

- Total: 2.00 average
- Resident: 2.00 average
- Major: 2.00 average
- Minor: 2.00 average
- Certificate: 2.00 average

**University Residency Requirements**

- Minimum total: 30
- Senior year: 23
- Major, Standard, upper division in residence: 12
- Major, Comprehensive, upper division in residence: 21
- Certificate: 25 percent of credits

**Procedures Required for Graduation**

- Obtain admission to the degree program and/or the College offering it.
- Apply for graduation on CampS.

**Applicability of Credits Toward Graduation**

<table>
<thead>
<tr>
<th>Credit Restrictions</th>
<th>Total degree credit</th>
<th>Maximum</th>
</tr>
</thead>
<tbody>
<tr>
<td>Satisfactory/Unsatisfactory</td>
<td>maximum 12</td>
<td></td>
</tr>
<tr>
<td>Major, Standard</td>
<td>maximum 1 course</td>
<td></td>
</tr>
<tr>
<td>Major, Comprehensive</td>
<td>maximum 2 courses</td>
<td></td>
</tr>
</tbody>
</table>

**Activity Credit (band, chorus, drama, KINS 100-184 courses)**

Students may count toward graduation no more than one credit of KINS 110-184 courses. Students may count toward graduation no more than four credits earned in any single activity course and no more than 12 credits resulting from any combination of activity courses (excluding KINS 110-184 courses).

**Other Restricted Credits**

For other University restrictions, see the following:
- Cooperative Education
- Credit by Examination
- Satisfactory/Unsatisfactory Registration
- Transfer of Credits

**Applicability of Credits Toward Graduation**

- Two-Year College Credits: maximum 72 credits
- Activity credit (band, chorus, drama, KINS 100-184) maximum 1 credit
- Single course band, chorus, drama: maximum 4 credits
- Extension credits
  - UW-System: no maximum
  - Other extension/Correspondence: maximum ¼ of total

**USAFI**

- Maximum 32 credits

**Liberal Education Core**

The University of Wisconsin-Eau Claire measures learning outcomes to ensure that its graduates have achieved a liberal education and prepared themselves to contribute to a complex society. Upon graduation, each undergraduate will have met the four learning goals of our liberal education core and the 11 learning outcomes they comprise.
College Degree Requirements
Bachelor of Arts or Bachelor of Science Degree (B.A./B.S.)

University Graduation Requirements. All candidates for degrees must fulfill the requirements for credits, curriculum, GPA, and University residency as specified in the section of this catalog titled University Graduation Requirements.

LIBERAL EDUCATION CORE REQUIREMENTS

<table>
<thead>
<tr>
<th>KnowledgeGoal</th>
<th>Knowledge Outcome 1 (K1): Natural Sciences</th>
<th>Two (2) learning experiences</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>One experience in laboratory science must be selected from either K1 or K2.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Knowledge Outcome 2 (K2): Social Sciences</td>
<td>Two (2) learning experiences</td>
</tr>
<tr>
<td></td>
<td>One experience in laboratory science must be selected from either K1 or K2.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Knowledge Outcome 3 (K3): Humanities</td>
<td>Two (2) learning experiences</td>
</tr>
<tr>
<td></td>
<td>Knowledge Outcome 4 (K4): Fine Arts</td>
<td>One (1) learning experience</td>
</tr>
</tbody>
</table>

SkillsGoal

<table>
<thead>
<tr>
<th>Skills Outcome 1 (S1): Written and Oral Communication</th>
<th>Two (2) learning experiences</th>
</tr>
</thead>
<tbody>
<tr>
<td>One S1 must meet the University Writing Requirement</td>
<td></td>
</tr>
<tr>
<td>Skills Outcome 2 (S2): Mathematics</td>
<td>One (1) learning experience</td>
</tr>
<tr>
<td>One S2 to meet the University Mathematics Requirement</td>
<td></td>
</tr>
<tr>
<td>Skills Outcome 3 (S3): Creativity</td>
<td>One (1) learning experience</td>
</tr>
</tbody>
</table>

ResponsibilityGoal

<table>
<thead>
<tr>
<th>Responsibility Outcome 1 (R1): Equity, Diversity, and Inclusivity</th>
<th>Two (2) learning experiences</th>
</tr>
</thead>
<tbody>
<tr>
<td>One R1 must satisfy Design for Diversity</td>
<td></td>
</tr>
<tr>
<td>Responsibility Outcome 2 (R2): Global Perspectives</td>
<td>One (1) learning experiences</td>
</tr>
<tr>
<td>Responsibility Outcome 3 (R3): Civic and Environmental Issues</td>
<td>One (1) learning experiences</td>
</tr>
</tbody>
</table>

IntegrationGoal

| Integration Outcome 1 (I1): Integration                          | Two (2) learning experiences |

Service-LearningGoal

Service-Learning 30 hours

College Graduation Requirements: Grade Point Averages. All candidates for degrees in the College of Arts and Sciences must earn minimum resident and total GPAs of 2.00 in the major, the minor, and the certificate. The resident and total GPAs for the major are computed using all attempted credits applicable to the major including those offered by departments other than the major department. The resident and total GPAs for the minor and the certificate are computed similarly.

Major-Minor and Major-Certificate Requirements. A standard major (a minimum of 36 credits) must be supplemented by a minor (a minimum of 24 credits) or by a certificate (12 to 18 credits) to meet graduation requirements for completing a first and second degree program. No minor or certificate is required with a Comprehensive Major (60 or more credits) or with two majors of 36 or more credits each.

Certain degree programs, which include Comprehensive Majors, may require more than the minimum of 120 credits for graduation.

Acceptable academic program combinations are determined at the college level. A major and a minor or a major and certificate or two majors (if available) may not be elected in the same department or program, except in the approved combinations listed here.

College Credits. Earn at least 90 credits in courses offered by the College of Arts and Sciences.

Bachelor of Arts Degree in the College of Arts and Sciences (B.A.)

Fulfillment of all University Graduation Requirements (which includes the Liberal Education Core); all College-level degree requirements (major and minor/certificate emphases, GPAs, earning at least 90 credits in Arts and Sciences course work); foreign language competency at the 102 level. Foreign language competency may be met in one of two ways: (1) Achieve a score on the foreign language placement test that qualifies the student to enter the 201-level course in a foreign language. (2) Earn a grade of at least C (not C-) or a mark of S in a 102-level foreign language course (or AIS 112 or AIS 122 / LANG 122 or CSD 103).

Bachelor of Science Degree in the College of Arts and Sciences (B.S.)

Fulfillment of all University Graduation Requirements (which includes the Liberal Education Core); all College-level degree requirements (major and minor/certificate emphases, GPAs, earning at least 90 credits in Arts and Sciences course work); mathematics competency at the MATH 111, MATH 112 or MATH 113 level. Mathematics competency can be met in one of three ways: (1) Achieve a score on the mathematics placement test that qualifies the student to enter MATH 114. (2) Earn a grade of at least C (not C-) or a mark of S in MATH 111, MATH 112, or MATH 113. (3) Achieve a satisfactory score on the MATH 112 competency test. This test may be attempted no more than two times.

Major Requirements

Bachelor of Arts (Code 140-007)

Comprehensive Major

A minimum of 60 semester credits, including completion of:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 104</td>
<td>The Physical Environment</td>
<td>4</td>
</tr>
<tr>
<td>GEOG 111</td>
<td>Human Geography</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 178</td>
<td>Conservation of the Environment</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 200</td>
<td>Foundations of Geography</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 335</td>
<td>Geographic Information Systems I</td>
<td>3</td>
</tr>
</tbody>
</table>
GEOG 370  Quantitative Methods in Geography  3
GEOG 401  Capstone Seminar  3

Five additional courses to be selected from three of five
Advanced Geography Approaches

1  One of the additional courses must be GEOG 368 - note that the Advanced
Geography Approach to which it applies may vary by semester.

Environmental Geography
Geography major coursework plus 12 credits from
environmental courses from other disciplines (selected with
consent of advisor)
Geography electives to complete 60 credits; at least one
elective must be an upper level Physical Geography
course and one elective must be an upper level Human-
Environmental Geography course

Advanced Geography Approaches
Five courses from at least three advanced approaches are required for major
programs. Four courses from at least three advanced approaches are required
for minor programs.

Physical Geography
GEOG 304  Introduction to Geomorphology  4
GEOG 340  Climatology  3
GEOG 345  Quaternary Environments  3
GEOG 350  Soils and the Environment  4
GEOG 355  Biogeography  4
GEOG 363  Watershed Analysis  4
GEOG 364  Fluvial Processes and Landforms  4

Human-Environmental Geography
GEOG 270  Land Use Issues and Problems  3
GEOG 341  Weather and Society  3
GEOG 361  Environmental Hazards  3
GEOG 365  Tourism Geographies  3
GEOG 375  Environmental Quality  3
GEOG 377  U.S. Environmental and Sustainability Policy  3
GEOG 378  International Environmental Problems and Policy  3
GEOG 388  Military Geography  3
GEOG 445  Historical Geography  3

Human Geography
GEOG 155  Economic Geography  3
GEOG 188  Cultural Landscapes of North America  3
GEOG 312  Space, Society, Subject  3
GEOG 313  Culture and Transnational Dynamics  3
GEOG 322  Native Geographies  3
GEOG 352  Business Geographics  3
GEOG 366  Geography International Immersion Experience  1-3
GEOG 367  Landscape Analysis: Cultural  3
GEOG 369  Geography of Food  3

GEOG 446  Political Geography  3
GEOG 470  Urban Geography  3

Geography Techniques
GEOG 280  Cartographic Design  3
GEOG 335  Geographic Information Systems I  3
GEOG 336  Geospatial Field Methods  3
GEOG 337  Geographic Information Systems II  3
GEOG 338  Remote Sensing of the Environment  3
GEOG 339  Computer Mapping  3
GEOG 358  LIDAR Analysis & Applications  3
GEOG 370  Quantitative Methods in Geography  3
GEOG 390  Unmanned Aerial Systems  3
GEOG 435  Geographic Information Systems III  3
GEOG 438  Advanced Remote Sensing  3
GEOG 455  Web Geographic Information Systems  3

Regional Geography
GEOG 301  Geography of Western Europe  3
GEOG 308  Geography of Russia and Eastern Europe  3
GEOG 319  Geography of the Middle East and North Africa  3
GEOG 321  Geography of Latin America  3
GEOG 325  Geography of the United States and Canada  3
GEOG 379  Geography of Wisconsin  3

Other Geography Courses
The following courses can be applied to any of the five
approaches with consent of the advisor:
GEOG 368  Geography Field Seminar  3
GEOG 395  Directed Studies  1-3
GEOG 399  Independent Study - Juniors  1-3
GEOG 491  Special Topics  1-3
GEOG 498  Geography Internship  1-3
GEOG 499  Independent Study - Seniors  1-3

1  Required courses.