

GEOGRAPHY, ENVIRONMENTAL GEOGRAPHY, COMPREHENSIVE MAJOR

Liberal Arts (Code 140-007)

University Requirements

GRADUATION REQUIREMENTS FOR BACCALAUREATE DEGREE

Credit Requirements	
Minimum total for graduation ¹	120
Upper division credits (courses numbered 300 and higher)	39
Liberal Education Core (http://catalog.uwec.edu/undergraduate/graduation-requirements/#header1)	36
Academic Concentrations (http://catalog.uwec.edu/undergraduate/graduation-requirements/#header16)	
Grade Point Requirements (http://catalog.uwec.edu/undergraduate/graduation-requirements/#header14) ²	
Total	2.00 average
Resident	2.00 average
Major	2.00 average
Minor	2.00 average
Certificate	2.00 average
University Residency Requirements (http://catalog.uwec.edu/undergraduate/graduation-requirements/#header15)	
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.

¹ Certain programs exceed this minimum.

² See special requirements in each College.

Applicability of Credits Toward Graduation

Junior College or Two-Year College Credits. A maximum of 72 semester credits earned in a junior college or two-year college will be accepted as degree credits at UW-Eau Claire.

Extension Credits. Credits earned in credit outreach courses offered by UW-Eau Claire are treated as resident credits. Credits earned in extension courses offered by other units of the University of Wisconsin System are treated as transfer credits. All other (non-UW) extension and correspondence credits are normally limited to one-fourth of the total required for graduation from any curriculum.

WTCS Credits. A maximum of 72 semester credits earned in college parallel programs at Madison Area Technical College, Milwaukee Area Technical College, Nicolet Area Technical College, or Chippewa Valley Technical College may be accepted as degree credits at UW-Eau Claire. A set number of general education courses will be accepted from other technical schools. Occupational and technical courses may also be considered for transfer if the quality and content of the course work from the technical college is judged to be comparable to course work at UW-Eau Claire. Refer to the Transfer Credit Wizard (https://my.uwec.edu/psp/PUBLIC/EMPLOYEE/HRMS/c/EAU_SS_CUSTOM.EAU_TRNCRDWZ.GBL) or contact the UW-Eau Claire Admissions Office for information about the current transfer policy.

USAFI Credit. UW-Eau Claire will accept up to 32 semester credits for work done through the United States Armed Forces Institute, under the provision for non-UW correspondence credit (see Extension Credits above).

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. College or departmental restrictions may also be placed on Independent Study (399-499 courses), Directed Study (395-495), and other types of credits.

APPLICABILITY OF CREDITS TOWARD GRADUATION

	Credit Restrictions
Satisfactory/Unsatisfactory	
Total degree credit	maximum 12
Major, Standard	maximum 1 course
Major, Comprehensive	maximum 2 courses
Minor	maximum 1 course
Credit by Examination	
Total degree credit	maximum ¼ of total
Major or minor	maximum ½ of total
Two-Year College Credits	
Total degree credit	maximum 72 credits
Activity credit (band, chorus, drama, KINS 100-184)	
Total KINS 100-184	maximum 1 credit
Total Band, chorus, drama	maximum 12 credits
Single course band, chorus, drama	maximum 4 credits
Extension credits	
UW-System	no maximum
Other extension/correspondence	maximum ¼ of total
USAFI	

USAFI	maximum 32 credits
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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 five learning goals of our liberal education core and the 12 learning outcomes they comprise.

LIBERAL EDUCATION CORE REQUIREMENTS

a minimum of 36 credits

Knowledge Goal

Knowledge Outcome 1 (K1): Natural Sciences (http://catalog.uwec.edu/undergraduate/attribute-k1/)	Two (2) learning experiences
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One experience in laboratory science must be selected from either K1 or K2.

Knowledge Outcome 2 (K2): Social Sciences (http://catalog.uwec.edu/undergraduate/attribute-k2/)	Two (2) learning experiences
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One experience in laboratory science must be selected from either K1 or K2.

Knowledge Outcome 3 (K3): Humanities (http://catalog.uwec.edu/undergraduate/attribute-k3/)	Two (2) learning experiences
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Knowledge Outcome 4 (K4): Fine Arts (http://catalog.uwec.edu/undergraduate/attribute-k4/)	One (1) learning experience
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Skills Goal

Skills Outcome 1 (S1): Written and Oral Communication (http://catalog.uwec.edu/undergraduate/attribute-S1/)	Two (2) learning experiences
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One S1 must meet the University Writing Requirement (<http://catalog.uwec.edu/undergraduate/graduation-requirements/#header10>)

Skills Outcome 2 (S2): Mathematics (http://catalog.uwec.edu/undergraduate/attribute-S2/)	One (1) learning experience
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One S2 to meet the University Mathematics Requirement (<http://catalog.uwec.edu/undergraduate/graduation-requirements/#header11>)

Skills Outcome 3 (S3): Creativity (http://catalog.uwec.edu/undergraduate/attribute-S3/)	One (1) learning experience
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Responsibility Goal

Responsibility Outcome 1 (R1): Equity, Diversity, and Inclusivity (http://catalog.uwec.edu/undergraduate/attribute-R1/)	Two (2) learning experiences
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One R1 must satisfy Design for Diversity (<http://catalog.uwec.edu/undergraduate/attribute-DDIV/#header13>)

Responsibility Outcome 2 (R2): Global Perspectives (http://catalog.uwec.edu/undergraduate/attribute-R2/)	One (1) learning experience
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Responsibility Outcome 3 (R3): Civic and Environmental Issues (http://catalog.uwec.edu/undergraduate/attribute-R3/)	One (1) learning experience
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Integration Goal

Integration Outcome 1 (I1): Integration (http://catalog.uwec.edu/undergraduate/attribute-I1/)	Two (2) learning experiences
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Service-Learning Goal

Service-Learning (http://catalog.uwec.edu/undergraduate/attribute-SL/#header13)	30 hours
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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 (<http://catalog.uwec.edu/undergraduate/graduation-requirements/>).

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 (<http://catalog.uwec.edu/undergraduate/arts-sciences/#academicprogramstext>).

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 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

Liberal Arts (Code 140-007)

Environmental Geography

Requires completion of the core courses, the required credits, and departmental and non-departmental electives to total at least 60 credits.

A minimum of 60 semester credits, including completion of the following:

Code	Title	Credits
Geography Major Core Requirements		
GEOG 104	Planet Earth: The Physical Environment	4
GEOG 111	Planet Earth: Human Geography	3
GEOG 178	Planet Earth: Conservation of the Environment	3
GEOG 200	Foundations of Geography	3
GEOG 335	Geographic Information Systems I	3
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		

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

Code	Title	Credits
In addition to the core requirements for the geography major, students in the Environmental Geography Emphasis must take:		
12 credits from environmental courses from other disciplines (selected with consent of advisor)		12
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		
Note: A maximum of six credits earned in GEOG 395, GEOG 399, and/or GEOG 499 may count toward the major.		

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	3

GEOG 363	Watershed Analysis	4
GEOG 364	Fluvial Processes and Landforms	4

Human-Environmental Geography

GEOG 270	Introduction to Urban and Regional Planning	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 445	Historical Geography	3

Human Geography

GEOG 155	Economic Geography	3
GEOG 288	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 354	Sustainable Placemaking and Community	3
GEOG 366	Geography International Immersion Experience	1-3
GEOG 367	Landscape Analysis: Cultural	3
GEOG 369	Geography of Food	3
GEOG 444	Legal Geographies of Race in the U.S.	3
GEOG 446	Political Geography	3
GEOG 470	Urban Geography	3

Geography Techniques

GEOG 280	Introduction to Cartography and Visualization	3
GEOG 335	Geographic Information Systems I ¹	3
GEOG 336	Geospatial Field Methods	3
GEOG 337	Geographic Information Systems II	3
GEOG 338	Remote Sensing of the Environment	3
GEOG 339	Applied Cartography and Geovisualization	3
GEOG 358	LiDAR Analysis & Applications	3
GEOG 370	Quantitative Methods in Geography ¹	3
GEOG 390	Geospatial Applications of UAS	3
GEOG 435	Geographic Information Systems III	3
GEOG 438	Remote Sensing Data Analytics	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 ¹	3
GEOG 395	Directed Studies	1-3
GEOG 399	Independent Study - Juniors	1-3
GEOG 491	Advanced Special Topics	1-3
GEOG 498	Geography Internship	1-3
GEOG 499	Independent Study - Seniors	1-3

¹ Required courses for majors only.

Program Learning Outcomes

Students completing this program will be expected to meet the following learning outcomes:

- **Content: Geographic Foundation:** Demonstrate geographical knowledge, understanding, and significance through analysis, explanation, and critique (Explain where things are located, why they are located where they are, what difference that location makes, and to whom).
- **Skills:**
 - **Geographic Techniques:** Effectively use and apply the tools of geographic inquiry (e.g., field and laboratory to gather quantitative and qualitative geographic data; GIS to acquire, manage, display, and analyze spatial data in digital form; cartography to display spatial information effectively; and spatial statistical methods to model and make inferences about spatial relationships and patterns).
 - **Communication:** Effectively explain how geographic approaches and perspectives are used to address socially/environmentally relevant questions and problems and why identifying the underlying spatial relationships is significant.
- **Responsibility:**
 - **Equity, Diversity, and Inclusion (EDI):** Use geographic knowledge and skills to evaluate assumptions, representations, and institutions in order to challenge existing structures in ways that respect diversity and foster social/environmental equity and inclusivity.
 - **Ethics:** Use geographic knowledge and skills to address social and environmental challenges in ways that maximize the benefits and minimize the harm to others.
- **Dispositions:**
 - **Interdisciplinary perspective:** Synthesize the information, concepts, and methods of natural and social sciences for geographic research and applications.
 - **Relational perspective:** Explain how people, places, and regions are linked by networks and processes across space and scale (such as local-global, within regions, globalization, trade, immigration, internet technology, climate).
- **Comprehensive:**
 - **Environmental:** Recognizes the geography of environmental issues, events, or problems and uses geographic knowledge and skills to properly understand and respond to them.