

GEOSPATIAL ANALYSIS AND TECHNOLOGY, COMPREHENSIVE MAJOR

Liberal Arts (Code 141-001)

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	36
Academic Concentrations	
Grade Point Requirements ²	
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.

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
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

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.

LIBERAL EDUCATION CORE REQUIREMENTS a minimum of 36 credits

Knowledge Goal	
Knowledge Outcome 1 (K1): Natural Sciences	Two (2) learning experiences
One experience in laboratory science must be selected from either K1 or K2.	
Knowledge Outcome 2 (K2): Social Sciences	Two (2) learning experiences
One experience in laboratory science must be selected from either K1 or K2.	
Knowledge Outcome 3 (K3): Humanities	Two (2) learning experiences
Knowledge Outcome 4 (K4): Fine Arts	One (1) learning experience
Skills Goal	
Skills Outcome 1 (S1): Written and Oral Communication	Two (2) learning experiences
One S1 must meet the University Writing Requirement	
Skills Outcome 2 (S2): Mathematics	One (1) learning experience
One S2 to meet the University Mathematics Requirement	
Skills Outcome 3 (S3): Creativity	One (1) learning experiences
Responsibility Goal	
Responsibility Outcome 1 (R1): Equity, Diversity, and Inclusivity	Two (2) learning experiences
One R1 must satisfy Design for Diversity	
Responsibility Outcome 2 (R2): Global Perspectives	One (1) learning experiences
Responsibility Outcome 3 (R3): Civic and Environmental Issues	One (1) learning experiences
Integration Goal	
Integration Outcome 1 (I1): Integration	Two (2) learning experiences
Service-Learning Goal	
Service-Learning	30 hours

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.

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

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The Geospatial Analysis and Technology major will ground students in current geographic and geospatial traditions in a multidisciplinary learning approach.

This comprehensive major integrates tools and skills with an engaging curriculum and high impact practices, such as internships and undergraduate research opportunities. It engages critical thinking both inside and outside the classroom. Specific areas of interest include Geographic Information Systems,

Remote Sensing, LiDAR, Field Data Collection, Business Geographics, and Unmanned Aerial Systems.

Minimum of 60 semester credits including:

Introductory Geospatial Core

GEOG 104	The Physical Environment	4
GEOG 111	Human Geography	3
GEOG 135	Introduction to Geospatial Analysis	3
GEOG 200	Foundations of Geography	3
CS 170	Computing for the Sciences and Mathematics	3
IS 240	Information Systems in Business	3

Upper Division Geospatial Core

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 370	Quantitative Methods in Geography	3
GEOG 401 or GEOG 498	Capstone Seminar Geography Internship	3
GEOG 435 or GEOG 438	Geographic Information Systems III Advanced Remote Sensing	3
Any 300 or 400 level non-geospatial geography course		3

Electives (at least 17 credits selected from the following partial list)^{1, 2} 17

BIOL 383	Biostatistics
CS 319	Introduction to Web Programming
ENGL 313	Technical Writing
GEOG 352	Business Geographics
GEOG 358	LiDAR Analysis & Applications
GEOG 390	Unmanned Aerial Systems
IS 304	Fundamentals of Business Programming
IS 310	Systems Analysis and Design

Total Credits 60

Footnotes:

1. At least 6 elective credits must be from courses offered outside geography. Note that this is only a partial list -- consult your advisor about other electives that would be appropriate for the geospatial analysis and technology comprehensive major.

2. Advisor consent is required to include non-geography geospatially-related elective courses.