

ENVIRONMENTAL PUBLIC HEALTH, COMPREHENSIVE MAJOR

(Code 640-001)

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 (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 Universities 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
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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

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

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

Knowledge Outcome 4 (K4): Fine Arts (<http://catalog.uwec.edu/undergraduate/attribute-k4/>) One (1) learning experience

Skills Goal

Skills Outcome 1 (S1): Written and Oral Communication (<http://catalog.uwec.edu/undergraduate/attribute-S1/>) Two (2) learning experiences

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

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

Responsibility Goal

Responsibility Outcome 1 (R1): Equity, Diversity, and Inclusivity (<http://catalog.uwec.edu/undergraduate/attribute-R1/>) Two (2) learning experiences

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

Responsibility Outcome 3 (R3): Civic and Environmental Issues (<http://catalog.uwec.edu/undergraduate/attribute-R3/>) One (1) learning experience

Integration Goal

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

Community-Engaged Learning Goal

Community-Engaged Learning (<http://catalog.uwec.edu/undergraduate/attribute-cel/#header13>)

College Degree Requirements

Bachelor of Science in Environmental Public Health

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 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 Science in Environmental Public Health Degree in the College of Arts and Sciences (B.S.E.P.H.)

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).

Major Requirements

(Code 640-001)

Advisors: J. Boulter, C. Pierce, L. Suppes.

Practitioners in the field of environmental public health control environmental health hazards and preserve and improve environmental factors for the achievement of optimum health, safety, comfort, and well-being. Students gain the educational background necessary to appreciate cultural values and protect air, water, soil and food resources.

Graduates are employed in regulatory agencies and industries concerned with environmental quality and the public's health. This comprehensive major includes both foundation classes in biology, chemistry, physics, and mathematics, and specialized courses in environmental and public health, such as food and water sanitation, air pollution, industrial hygiene, vector-borne disease control, and environmental toxicology.

The Environmental Public Health (ENPH) major provides undergraduate students with a comprehensive understanding of science and its application to protect human environmental health. The degree prepares students for careers as Environmental Health Professionals and safety specialists, integrating a scientific background, technical skills, and professional ethics.

Scholarships

Ten scholarships are available to students in the ENPH major. Additional information may be obtained from the faculty or by visiting the Financial Aid Website. Students are invited to participate in the Student National Environmental Health Association, the goal of which is to improve the health and well-being of people by focusing on environmental public health issues and introducing students to professional organizations.

Internships

The ENPH major provides students with an innovative, full-time, paid summer internship experience typically with an off-campus health-related agency or industry. The internship is typically completed during the summer months between the junior and senior year.

Accreditation

The B.S.E.P.H. degree is accredited by the National Environmental Health Science and Protection Accreditation Council. Graduates are prepared to take the National Environmental Health Association exam for the Registered Environmental Health Specialist/Registered Sanitarian credential.

Code	Title	Credits
ENPH Major Requirements		
Minimum sixty-six semester credits, including:		
Core Science Courses (included in the ENPH Major Designation)		
BIOL 151	Biology of Humans	4
BIOL 221	Foundations of Biology I	4
CHEM 325	Organic Chemistry I with Laboratory	4
And select one of the following two courses:		3-5
BIOL 250	Microbiology	
BIOL 361	Biology of Microorganisms	
Core ENPH Courses (field trips required in some courses)		
ENPH 110	Introduction to Environmental Health	3
ENPH 324	Radiation, Air Pollution and Health	3
ENPH 364	Occupational Safety Management	3
ENPH 432	Preparation for Practicum	2
ENPH 435	Practicum in Environmental Public Health	3
ENPH 441	Water and Wastewater	3
ENPH 443	Microbial Safety of Food	4
ENPH 445	Hazardous and Solid Waste Management	3
ENPH 460	Fundamentals of Industrial Hygiene	3
ENPH 476	Vector-Borne Disease Control	3

ENPH 490	Environmental Toxicology and Risk Assessment	3
ENV/GEOG 377	U.S. Environmental and Sustainability Policy	3
PH 450	Epidemiology	3

Elective Options

Choose two courses from the Communications/Policy category

CJ 207	Introduction to Rhetoric and Society
CJ 272	Social Media and Communication
CJ 307	Small Group Communication
CJ 357	Professional Communication
CJ 452	Health Communication
ECON 268	Environmental Economics
ENGL 312	Science Writing
ENGL 313	Technical Writing
ENGL 409	Grant Proposal Writing
PHIL 306	Ethics of Health Care
PHIL 320	Environmental Ethics
POLS 346	Public Policy in the United States

Choose two courses from one or both of the following categories

Human Health and Sustainability

ENV 140	Water Problems, Water Solutions
ENV 310	Sustainable Cities
ENV 330	Waste & Society: Energy, Food, and Efficiency
ENV/GEOG 378	International Environmental Problems and Policy
GEOG 178	Planet Earth: Conservation of the Environment
or BIOL 180	Environmental Biology and Conservation
PH 115	Global Health
PH/NRSG 225	Introduction to Public Health
PH 350	Public Health and Global Change: Challenges and Solutions

Technology and Science

CHEM 213	Quantitative Analysis
GEOG 135	Planet Earth: Our Digital Globe
GEOG 335	Geographic Information Systems I
PHYS 212	General Physics

Other requirements outside the major

MATH 109	Algebra for Calculus	
or		
Competency to enter MATH 111 A Short Course in Calculus		
MATH 246	Elementary Statistics	4
CHEM 105 & CHEM 106 & CHEM 109	General Chemistry I Lecture and General Chemistry I Laboratory and General Chemistry II with Lab	
PHYS 211	General Physics	

Satisfactory/Unsatisfactory Policy

The only credits that may be earned under the Satisfactory/Unsatisfactory option are for Independent Study. S/U credits may not total more than three.

Internship

An internship or practical experience is a requirement for the B.S.E.P.H. degree. Typically between the junior and senior year, each student is required to enroll in three credits of summer practicum (ENPH 435) and pay fees to the University. Students anticipating enrollment in the practicum should notify the Environmental Public Health faculty no later than February 1, and enroll in ENPH 432 the spring semester prior to their summer practicum.

Participation in AMP does not obligate you to complete the MPH.

Program Learning Outcomes

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

- Explain the scientific principles associated with environmental health hazards, risk assessment, and inequitable burden across communities.
- Apply methods to analyze environmental health hazards and risks.
- Communicate environmental health risks to the public.
- Apply and evaluate interventions to protect the public's health.
- Demonstrate professional ethics, values, responsibility, and collaboration.

The Master of Public Health (MPH) Accelerated Program allows qualified undergraduate students to use 15 credits of approved accelerated coursework toward their bachelor's degree *and* the MPH. The remaining credits for the MPH can be completed online in as soon as one calendar year. Please contact the MPH Director for more information.

Eligibility for Admission to AMP

- Junior standing (minimum of 60 credits completed)
- 3.2 GPA (will consider lower with advisor recommendation)
- Desire and intention to complete MPH
- Completed Accelerated Pathway to Graduate Program Application (<https://uwec.bplogix.net/form.aspx?pid=d6b4de7a-a68b-41af-97f5-ecc275ef7d2d&formid=095fbee7-31b7-482b-849b-fe3ef984cbdb&nohome=0&completepageprompt=0&completepage=&completetext=>).

Enrollment in AMP

- Complete up to 15 accelerated credits; only 12 credits can be at the 500/600 level. You are required to work with the MPH Director to select and enroll in accelerated courses.
- Maintain 3.0 GPA in accelerated courses and 3.2 cumulative GPA during AMP.

Terms of AMP

- Because the accelerated courses you take during AMP also count toward your bachelor's degree, this credit is generally not transferable to graduate programs outside of UWEC.
- Courses are billed at the MPH tuition rate and outside of plateau pricing.
- Acceptance into the AMP is not guaranteed acceptance into the MPH.
- You may leave the AMP at any time without consequences.

MPH Completion

- Submit graduate application for MPH prior to completing bachelor's degree.
- Application of accelerated coursework to the graduate program will be confirmed upon admission into the MPH program and completion of the first term in the MPH program.
- Remaining credits are billed at the MPH tuition rate and are outside of plateau pricing.