Environmental Science: Bachelor of Science (B.S.)

Degree Type
Bachelor of Science

The environmental science major is for those students whose interest in the environment has a more scientific focus. The major is designed to prepare students to enter the field with the laboratory and field skills environmental professionals are using in the workplace and graduate school. Field experiences take full advantage of the fact that the college is surrounded by lakes and forests and students have the benefit of field research at their doorstep. Graduates of this program have gone to work as environmental scientists for environmental consulting firms, state agencies, geographic information systems specialists, field interns for wildlife biologists and to graduate programs in environmental science, among other choices.

Learning Outcomes

Upon completion of this program students will:

- Locate, evaluate and share information effectively and responsibly.
- Demonstrate an understanding of group/team dynamics, the ability to assess teamwork and work effectively in a team.
- Communicate effectively using quantitative information and technical language to convey findings.
- Critically analyze and engage with complex, interdependent natural systems (chemical, biological, geological) and develop both a functional and a working knowledge of interactions within and among natural systems with an emphasis on human interactions, sustainability, impacts and mitigation.
- Use laboratory/field methodology and/or theoretical frameworks to obtain, organize and synthesize data for quantitative analysis, interpretation and communication.

Environmental Science B.S. Progress to Completion Requirements:

*ENV 301 and ENV 302 must be taken in consecutive semesters; if ENV 301 needs to be repeated, then ENV 302 cannot be taken until ENV 301 is repeated.

Students must have a minimum cumulative GPA of C (2.00) in all of the required courses below to graduate.

Item #	Title	Credits
BIO 107	Introduction to Ecology (+lab)	4.0
CHE 101	Principles of Chemistry I (+lab)	4.0
CHE 102	Principles of Chemistry II (+lab)	4.0
ENV 101	Exploring Nature: A Sense of Place (+Lab)	4.0
ENV 120	Introduction to Environmental Science (+lab)	4.0
ENV 201	Water Resources (+lab)	4.0
ENV 204	Geographic Information Systems I	4.0
ENV 301	Community-Based Project I (+lab)	8.0
ENV 302	Community-Based Project II (+lab)	4.0
ENV 330	Soil and Water Chemistry (+lab)	4.0
ENV 401	Senior Seminar	1.0
ENV 485	Internship Experience	4.0-6
ENV 487	Senior Capstone Seminar I	2.0
ENV 488	Senior Capstone Seminar II	2.0
	Total of 8 credits from this list	

Suggested Registration Sequence

First Year - Fall

Item #	Title	Credits
ENV 101	Exploring Nature: A Sense of Place (+Lab)	4.0
WRT 101	Introduction to Academic Writing	4.0
FYE 101	First Year Experience	4.0
	Lib Ed - Liberal Education Core Course	4

First Year - Spring

Item #	Title	Credits
BIO 107	Introduction to Ecology (+lab)	4.0
ENV 120	Introduction to Environmental Science (+lab)	4.0
	Lib Ed - Liberal Education Core Course	4
	MAT - Quantitative Literacy Proficiency	4

Sophomore Year - Fall

Item #	Title	Credits
ENV 201	Water Resources (+lab)	4.0
CHE 101	Principles of Chemistry I (+lab)	4.0
	Lib Ed - Liberal Education Core Course	4
	Lib Ed - Liberal Education Core Course	4

Sophomore Year - Spring

Item #	Title	Credits
ENV 204	Geographic Information Systems I	4.0
	Lib Ed - Liberal Education Core Course	4
CHE 102	Principles of Chemistry II (+lab)	4.0
	Free Elective Course	4

Junior Year - Fall

Item #	Title	Credits
ENV 301	Community-Based Project I (+lab)	8.0
	ENV 330 or Free Elective Course	4
	IE - Integrative Experience Course	4

Junior Year - Spring

Item #	Title	Credits
ENV 302	Community-Based Project II (+lab)	4.0
ENV 487	Senior Capstone Seminar I	2.0
	Free Elective Course	4
	Free Elective Course or ENV 485	4-6

Junior Year - Summer

Item #	Title	Credits
ENV 485	Internship Experience	4.0-6

Senior Year - Fall

Item #	Title	Credits
ENV 401	Senior Seminar	1.0
	ENV 330 or Free Elective Course	4
	Free Elective Course	4
	Free Elective Course	4

Senior Year - Spring

Item #	Title	Credits
ENV 488	Senior Capstone Seminar II	2.0
	Free Elective Course	4
	Free Elective Course	4
	Free Elective Course	4