

ENVIRONMENTAL SCIENCE

This major is 61 credits • *2018-2019 Catalog Year*
Revised: 07-31-2018

CAREERS & POST-GRADUATE WORK

Recent Heidelberg graduates with this degree are doing ...

- Naturalist Aide, Maumee Bay State Park
- Law School
- Wildland Restoration Team at Montana Conservation Corps
- Lab Analysis/Field Technician at North American Testing

No grade waivers will be granted for any required course above the 100-level applied toward the ENS major.

MAJOR ACADEMIC PLAN (MAP): A SAMPLE 4-YEAR PLAN

This MAP is a guide for students preparing for course selections. This is a suggested schedule. Actual course selections should be made with the advice of your advising specialist or faculty advisor. For course descriptions, pre-requisites, and rotations (e.g., fall or spring only classes, classes taught in alternate years), consult the Heidelberg University Undergraduate Catalog.

FIRST-YEAR FALL

Course	Prerequisites	Hrs	Notes
HEI 101: Advise, Inspire, Mentoring Program		1	Required of all first-year students.
WRI 101: College Writing II		3	
ENS 101/101L: Intro to Environmental Science		4	
BIO 123/123L: Biology I	Lecture & lab must be taken concurrently	4	
General Education/Honors Support Courses		3	
Total Credits		15	

FIRST-YEAR SPRING

Course	Prerequisites	Hrs	Notes
HEI 102: Advise, Inspire, Mentoring Program	HEI 101	0	Required of all first-year students.
COM 100: Public Speaking & Engagement		3	
BIO 124: Biology II		4	
GEO 101/101L: Physical Geology		4	
MTH 120: Intermediate Algebra	Placement or C- or better in MTH 090	3	Mathematics Placement Assessment score determines placement in MTH courses and eligibility for non-MTH Quantitative Literacy (Q) courses. Students who place into MTH 222 or higher are exempt from MTH 120
General Education/Honors Support Courses		1	
Total Credits		15	

SECOND-YEAR FALL

Course	Prerequisites	Hrs	Notes
BIO 213: Field Biology	BIO 123, 124	4	
CHM 111: General Chemistry I	Placement into MTH 121 or C- or better in MTH 120	4	
General Education/Honors Support Courses		7	Consider completing the Foreign Language Requirement : Students not in the Honors Program must complete a foreign language to the 102-level or equivalent. Placement is based on the Foreign Language Assessment and some students may need to begin at the 101-level.
Total Credits		15	

SECOND-YEAR SPRING

Course	Prerequisites	Hrs	Notes
BIO 205: Biostatistics	Placement into MTH 222 or higher or C- or better in MTH 120 or 121	3	Students may apply credit from BIO 205 or MTH 119 toward major/minor requirements in the Department of Biological and Environmental Sciences, but not both.
CHM 112: General Chemistry II	C- or better in CHM 111	4	
General Education/Honors Support Courses		8	
Total Credits		15	

THIRD-YEAR FALL

Course	Prerequisites	Hrs	Notes
ENS 334: Ecology	BIO 123, 124, & a statistics course; COM 100, WRI 101	4	ENS 334 and GEO 308 are every other year courses. Check catalog for when they are offered.
GEO 308: Surface Water Systems	GEO 101/101L, MTH 120 or placement into MTH 222 or above	4	
PHY 101: General Physics	Placement into MTH 121 or higher or a C- or better in MTH 120	4	
General Education/Honors Support Courses		3	
Total Credits		15	

THIRD-YEAR SPRING

Course	Prerequisites	Hrs	Notes
GEO 250: Geographical Information Systems		3	GEO 250 is an every other year courses. Check catalog for when it is offered.
General Education/Honors Support Courses		12	
Total Credits		15	

FOURTH-YEAR FALL

Course	Prerequisites	Hrs	Notes
ENS 300: Issues in Environmental Science	ENS 101, BIO 124, COM 100, GEO 101, CHM 111, PHY 101, WRI 101	3	
GEO 350: Soils & Groundwater	GEO 101/101L, MTH 120 or placement into MTH 222 or above	4	
General Education/Honors Support Courses		8	
Total Credits		15	

FOURTH-YEAR SPRING

Course	Prerequisites	Hrs	Notes
CHM 205: Environmental Chemistry	CHM 111, 112	4	CHM 205 is an every other year courses. Check catalog for when it is offered.
General Education/Honors Support Courses		11	
Total Credits		15	