

Environmental Science

Degree Type

Bachelor of Science - Major

Major Requirements

The bachelor of science degree in environmental science consists of 47–50 credits of courses in biology, chemistry and mathematics. The following courses are required (38 credits):

Required Courses

Course Code	Title	Credits
BIOL-110	Principles of Biology I	4
BIOL-111	Principles of Biology II	4
BIOL-350	Ecology	4
CHEM-161	General Chemistry I	4
CHEM-162	General Chemistry II	4
ENVR-101	Introduction to Environmental Sciences	4
ENVR-301 / BIOL-301	Principles of Environmental Science	4

Choose One Course from Each of the Following

Course Code	Title	Credits
MATH-130	Survey of Calculus	3
MATH-133	Calculus I	4

Course Code	Title	Credits
MATH-140	Introduction to Statistics	3
BIOL-330	Biostatistics	3

Course Code	Title	Credits
ENVR-270	Chemistry of the Environment	4
ENVR-320	Analytical Environmental Chemistry	4

Remaining 9-12 credits

The remaining 9-12 credits must come from three additional ENVR, BIOL, or CHEM courses numbered above 300 from the following list:

Course Code	Title	Credits
BIOL-316	Ornithology: the Biology of Birds	4
BIOL-321	Herpetology	4
BIOL-322	Mammalogy	4
BIOL-330	Biostatistics	3
BIOL-335	Field Botany	3
BIOL-340	Botany	4
BIOL-360	Environmental Physiology	4
BIOL-365 / ENVR-365	Field Biology & Natural History	4
BIOL-420	Plant Taxonomy	4
BIOL-422	Biogeography	3
BIOL-440	Animal Behavior	4
ENVR-305	Natural Resource & Environmental Law	3
ENVR-320	Analytical Environmental Chemistry	4
ENVR-330X	Introduction to Geographical Information Systems	3
ENVR-401 / BIOL-401	Environmental Microbiology	4
ENVR-402 / BIOL-402	Conservation Biology	4
ENVR-433 / BIOL-433	Biology & Management of Fishes	4
ENVR-435 / BIOL-435	Freshwater Ecology	4
ENVR-460	Special Topics	3
GEOL-330	Soil and Hydrogeology	3

Three credits may be used from [ENVR-460](#), [ENVR-461](#), [ENVR-462](#), [ENVR-490](#), [ENVR-491](#), or [ENVR-499](#) as electives while Internship ([ENVR-480X](#)) cannot be used. Students wishing to double major in biology and environmental science or in chemistry and environmental science may not overlap or double count the electives selected in the environmental science plan of major to the other major.

Total Credits	47-50
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