

Biology Electives - Plus 12 credits from the following (at least 4 credits must be 400-level)

BIOL 211 Introduction to Field Research (4 credits)
BIOL 328 Environmental Toxicology and Health (4 credits)
BIOL 333 Ecology (4 credits)
BIOL 335 Conservation Biology (4 credits)
BIOL 361 Medical Geology (4 credits)
BIOL 435 Aquatic Biology (4 credits)
BIOL 480 Urban Ecosystem Ecology (4 credits)
BIOL 486 Seminar (4 credits)
BIOL 491 Individual Research (2 or 4 credits)

Allied Electives - Plus 8 elective credits from the following, including at least 4 credits of courses with ECON/ENVR/GEOG/HIST/PHIL/POLS/PSYCH prefix. Additionally, if ESCI 132 is taken as Environmental Science core requirement, 4 credits of GEOL is required as an elective. (all courses are 4 credits each)

CHEM 201 Organic Chemistry I (4 credits)
ECON 370 Environmental and Natural Resource Economics (4 credits)
ENVR 212 Society and Sustainability (4 credits)
ENVR 351 Environmental Policy (4 credits)
or POLS 309 Environmental Policy
GEOG 331 Conservation Geography (4 credits)
GEOG 321 Geographic Info Systems (4 credits)
GEOL 211 Earth Materials (4 credits)
GEOL 220 Oceanography (4 credits)
GEOL 252 Geomorphology (4 credits)
GEOL 260 Regional Geology and Geological Field Methods (4 credits)
GEOL 310 Environmental Geochemistry (4 credits)
GEOL 410 Hydrogeology (4 credits)
GEOL 491 Individual Research (4 credits)
HIST 228 Environmental History (4 credits)
MATH 114 Calculus II
PHIL 258 Environmental Ethics (4 credits)
PHYS 212 Classical Physics II (4 credits)
or PHYS 110 General Physics II (4 credits)
PSYC 334 Psychology of Sustainability (4 credits)
STAT 310 Biostatistics (4 credits)

To help students meet specific academic goals, other classes may be taken for this requirement with prior approval from the ESCI director.

Environmental Science (Chemistry Track) B.S.

First year (<28 credits)	Sophomore (28-59 credits)	Junior (60-91 credits)	Senior (92+ credits)
Fall GEOL 115 or ESCI 132 CHEM 111 (or CHEM 115) MATH 113	Fall BIOL 209 CHEM 201 PHYS 211	Fall ESCI 310 CHEM 300	Fall GEOL 252 (odd year) or GEOL 310 (even year) Allied elective #2
Spring BIOL 207 CHEM 112 (or CHEM 115) MATH 114	Spring CHEM 202 PHYS 212	Spring Chemistry elective Allied elective #1	Spring ESCI 430 Allied elective #3

*This is an example 4-year plan. Specific sequence depends on math placement. Many courses could be taken in different semesters.

Requirements for Degree

ESCI 310 Environmental Problem Solving (4 credits)

ESCI 430 Senior Research Seminar (4 credits)

BIOL 209 Biology of Sustainability (4 credits)

GEOL 115 Environmental Geology

OR *ESCI 132 Intro to Environmental Science (4 credits each)

GEOL 252 Geomorphology

OR GEOL 310 Environmental Geochemistry (4 credits each)

CHEM 111 and 112 General Chemistry I and II (8 credits total)

or CHEM 115 Accelerated General Chemistry (4 credits)

PHYS 211 Classical Physics I (4 credits) OR *PHYS 109 General Physics I (an acceptable PHYS choice for Biology and Geosciences track majors only) (4 credits)

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Environmental Science (Geosciences Track) B.S.

First year (<28 credits)

Sophomore (28-59 credits)

Junior (60-91 credits)

Senior (92+ credits)

Geology Electives - Plus 12 credits from the following (all courses are 4-credits):

- GEOL 162 Earth's Record of Climate (4 credits)
- GEOL 211 Earth Materials (4 credits)
- GEOL 220 Oceanography (4 credits)
- GEOL 252 Earth Surface Processes and Geomorphology (4 credits)
- GEOL 260 Regional Geology and Field Methods (4 credits)
- GEOL 461/BIOL 361 Medical Geology (4 credits)
- GEOL 410 Hydrogeology (4 credits)
- GEOL 462 Advanced Earth's Record of Climate (4 credits)
- GEOL 491 Research (4 credits)

Allied Electives - Plus 8 elective credits from the following, including at least 4 credits of courses with ECON/ENVR/GEOG/HIST/PHIL/POLS/PSYCH prefix. (all courses are 4 credits each)

- BIOL 208 Biological Communication & Energetics (4 credits)
- BIOL 211 Introduction to Field Research (4 credits)
- CHEM 201 Organic Chemistry I (4 credits)
- ECON 370 Environmental and Natural Resource Economics (4 credits)
- ENVR 212 Society and Sustainability (4 credits)
- ENVR 351 Environmental Policy (4 credits)
- or POLS 309 Environmental Policy
- GEOG 321 Geographic Info Systems (4 credits)
- GEOG 331 Conservation Geography (4 credits)
- HIST 228 Environmental History (4 credits)
- MATH 114 Calculus II (4 credits)
- PHIL 258 Environmental Ethics (4 credits)
- PHYS 212 Classical Physics II (4 credits)
- PHYS 110 General Physics II (4 credits)
- PSYC 334 Psychology of Sustainability (4 credits)
- STAT 310 Biostatistics (4 credits)

