

2020+ Environmental Science Major Requirements

Total = 24 required courses

B.S. degree

Preparatory courses (11)

- ENVS 21 (Intro to Environmental Biology)
- ENVS 22 (Intro to Environmental Studies)
- ENVS 23 (Intro to Earth Systems)
- MATH 11 (Calculus & Analytic Geometry I) or MATH 35 (Calculus for Life Sciences)
- ENVS 79 (Environmental Thought) or PHIL 29 (Ethical Issues and the Environment)
- CHEM 11 (General Chemistry I)
- CHEM 12 (General Chemistry II)
- CHEM 31 (Organic Chemistry)

Plus *one* 3-course series from the choices below

- BIOL 1A (Energy & Matter)
 - BIOL 1B (Information & Evolution) -OR-
 - BIOL 1C (Systems)
 - PHYS 11 (General Physics I)
 - PHYS 12 (General Physics II)
 - PHYS 13 (General Physics III)
- (PHYS 31-32-33 series is also acceptable)

Breadth courses (4)

- ENVS 110/BIOL 160 (Environmental Statistics L&L)
- ENVS 116 (Introduction to GIS)
- ENVS 122 (Environmental Politics & Policy)

One of the following upper-division courses: ENVS 120 (Intro to US Environmental Law), ENVS 124 (Water Law and Policy), ENVS 128 (Sustainable Urban Planning), ENVS 131 (Environmental Education), ENVS 136/ANTH 140 (Food, Culture, and Environment), ENVS 137/ANTH 145 (Historical Ecology), ENVS 146 (Agriculture, Environment, and Development in Latin America), ENVS 143 (Advanced Writing/Environmental Humanities), ENVS 147 (International Environment and Development), ENVS 149 (African Environment and Development), ENVS 150 (Political Ecology), or ENVS 155 (Environmental and Food Justice)

Advanced courses (9)

All students take Proseminar and Capstone, plus 6 additional upper-division science courses (≥3 with lab)
See adviser for recommendations on concentrating electives

- ENVS 198 (Proseminar) - recommended in sophomore year
- ENVS 100 & 101 (Intro to Capstone/Capstone) - seniors only

Biological Sciences core list (at least 2 of 6 required science courses must come from this list)

- ENVS 132 (Agroecology L&L)
- ENVS 151/BIOL 151 (Restoration Ecology L&L)
- ENVS 153/BIOL 153 (Conservation Science)

Physical Sciences core list (at least 2 of 6 required science courses must come from this list)

- ENVS 145 (Environmental Technology L&L)
- ENVS 160 (Water Resources L&L)
- ENVS 166 (Climate Science and Solutions L&L)

Electives list (count toward 6 required science courses; some courses may have additional prerequisites)

- ENVS 117 (Intermediate GIS)
- ENVS 141 (Environmental Biology of the Tropics)
- ENVS 144/BIOL 144 (Natural History of Baja L&L)
- ENVS 161 (Water Security)
- ENVS 180 (Energy and the Environment)
- ENVS 185 (Garbology)
- BIOL 156 (General Ecology L&L)
- BIOL 134 (California Plant Diversity L&L)
- BIOL 158 (Biology of Insects L&L)
- BIOL 180 (Marine Ecology L&L)
- CENG 139 (Groundwater Hydrology)
- CENG 161 (Sustainable Water Resources)
- ANTH 197 (Field Course in Primate Behavioral Ecology)

Additional requirements:

- Attend ten ESS-approved colloquia
- Environmental internship (100 hours; pre-approved by adviser; to be completed before beginning of senior year)

University Core Requirements for a Natural Science major (suggested course in parentheses)

Name: _____ ID#: _____ Advisor: _____
Consult your Degree Progress Report on E-campus to complete this form.

Cumulative GPA: _____ GPA in major: _____

CTW 1) _____ 2) _____

C & I 1) _____ 2) _____ 3) _____ (ENVS 50 for C & I 3)

Second Language 1) _____ 2) _____

Mathematics 1) _____

Natural Science with Lab 1) _____ (ENVS 21 or 23)

Religious Studies 3 courses, with one course taken at each level; 3rd course taken after 88 units;
Transfer students with 44+ units of transfer credit can take any 2 religious studies courses in any order.
1) _____ 2) _____ 3) _____

Ethics (PHIL 29)
1) _____

Diversity 1) _____

Social Science
1) _____

Science, Technology & Society (ANTH 140; ENVS 145, 153, 180, or 185)
1) _____

Civic Engagement (ENVS 22, ENVS 122)
1) _____

Arts (4 units total – one 4-unit course, two 2-unit courses, or four 1-unit courses)
1) _____ 2) _____ 3) _____ 4) _____

Experiential Learning for Social Justice* (ENVS 131 or 155)
1) _____

Advanced Writing* (ENVS 143 or 161)
1) _____

Pathway*
1) _____ 2) _____ 3) _____ 4) _____

_____ Declare Pathway (end of Sophomore year)
_____ Submit Reflection Paper (Junior or Senior year)

*Can overlap with core or major requirement