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)

Plus one 3-course series from the choices below
- BIOL 1A (Energy & Matter)
- BIOL 1B (Information & Evolution) OR BIOL 1C (Systems)
- CHEM 11 (General Chemistry I)
- CHEM 12 (General Chemistry II)
- CHEM 31 (Organic Chemistry)

Breadth courses (4)
- ENVS 110 / BIOL 160 (Environmental Statistics L&L)
- ENVS 116 (Introduction to GIS) or CENG 160 (GIS in Water Resources)
- ENVS 122 (Environmental Politics & Policy)

One of the following upper-division courses:
- ENVS 120 (Intro to US Environmental Law)
- ENVS 124 / CENG 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 143 (Advanced Writing/Environmental Humanities)

- ENVS 146 (Agriculture, Environment, and Development in Latin America)
- ENVS 147 (International Environment and Development)
- ENVS 149 (African Environment and Development)
- ENVS 150 (Political Ecology)
- ENVS 155 (Environmental and Food Justice)
- ENVS 170 (Environmental Justice)

Advanced courses (9)
All students take Colloquium, Proseminar and Capstone, plus 6 additional upper-division science courses (≥3 with lab). See adviser for recommendations on concentrating electives.

- ENVS 188 or attend 10 environmental colloquia (ENVS 188 required for students who enter SCU in Fall 2022 or later)
- ENVS 198 (Proseminar) - recommended in sophomore year
- ENVS 100 & 101 (Intro to Capstone/Capstone) – fall/winter series for seniors only

Biological Sciences core list (at least 2 of 6 required science courses must come from this list)
- ENVS 151 / BIOL 151 (Restoration Ecology L&L)
- ENVS 153 / BIOL 153 (Conservation Science)
- ENVS 156 / BIOL 156 (General Ecology L&L)

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 Change: Past to Future L&L)

Electives list (count toward 6 required science courses; some courses may have additional prerequisites)
- ENVS 117 (Intermediate GIS)
- ENVS 132 (Agroecology L&L)
- ENVS 144 / BIOL 144 (Natural History of Baja L&L)
- ENVS 161 (Water Security)
- ENVS 175 (Oceanography)
- ENVS 180 (Energy and the Environment)
- ENVS 185 (Gardology)
- BIOL 134 (California Plant Diversity L&L)
- BIOL 158 (Biology of Insects L&L)
- BIOL 180 (Marine Ecology L&L)
- BIOL 181 (Marine Biodiversity)
- CENG 139 (Groundwater Hydrology)
- CENG 161 (Sustainable Water Resources)
- ANTH 197 (Field Course in Primate Behavioral Ecology)

Additional requirement:
- Environmental Internship (100 hours; pre-approved by adviser; to be completed before beginning of senior year)
University Core Requirements for a Natural Science major
("double-dip" major courses in parentheses)

Name: ___________________ ID#: ___________________ Advisor: ________________

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 136; ENVS 145, 153, or 185 (pending))
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, ENVS 155)
1) _________________

Advanced Writing* (ENVS 143, ENVS 161)
1) _________________

Pathway* 1) _________________ 2) _________________ 3) _________________ 4) _________________

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

*Can overlap with core or major requirement