

2013+ Environmental Science Bachelor of Science Requirements*

Total = 22-23 courses

Introductory (12-13 courses)

- ENVS 21 (Intro to Applied Ecology L & L)
- ENVS 22 (Intro to Environmental Studies)
- ENVS 23 (Intro to Earth Systems L & L)
- ENVS 79 (Environmental Thought) or PHIL 29 (Ethical Issues and the Environment)
- ANTH 50/ENVS 50 (World Geography)
- ECON 1 (Principles of Microeconomics)
- MATH 35 (Calculus for Life Sciences) *Recommended* or MATH 11 (Calculus & Analytic Geometry I)
- CHEM 11 (General Chemistry I)
- CHEM 12 (General Chemistry II)
- CHEM 31 (Organic Chemistry I) Or CHEM 13 (General Chemistry III)

Select one of the following series (consult your advisor)

- BIOL 1A (Energy & Matter L&L)
- BIOL 1B (Info & Evolution L&L)
- BIOL 1C (Systems L & L)
- PHYS 11 (General Physics I) *PHYS 31, 32, 33 can substitute*
- PHYS 12 (General Physics II)
- PHYS 13 (General Physics III)

Intermediate (4 courses plus colloquia)

- ENVS 110/BIOL 160 (Environmental Statistics L & L)
- ENVS 116 (Introduction to GIS) or CENG160 (GIS in Water Resources)
- ENVS 122/POLI 157 (Environmental Politics & Policy)
- ENVS 198 (Environmental Proseminar) – **Recommended before starting approved 100-hour internship**
- Attend ten ESS-approved colloquia

Advanced (5 courses)**One upper division social science course from:**

- ANTH 140/ENVS136 (Food, Culture & Environment)
- ANTH 154 (Environmental Anthropology)
- COMM 120A (Environmental Communication)
- ECON 111 (Economics of the Environment)
- ENVS 120 (Intro to U.S. Environmental Law)
- ENVS 124/ CENG124 (Water Law & Policy)
- ENVS 128 (Urban & Environ. Planning)
- ENVS 146 (Ag, Environ, & Dev.: Latin Am.)
- ENVS 147 (Int'l Environment & Development)
- ENVS 149/POLI 146 (African Env. & Development)
- ENVS 150 (Political Ecology)
- ENVS 155 (Environmental and Food Justice)
- Consult your advisor to declare a thematic concentration

Applied Ecology Concentration*BIOL 1A, 1B, 1C series recommended***Four courses (at least one with lab) from:**

- ANTH 145/ENVS137 (Historical Ecology)
- BIOL 133 (Ecology of CA Plant Communities L&L)
- BIOL 134 (California Plant Diversity L & L)
- BIOL 158 (Biology of Insects L & L)
- ENVS 117 (Intermediate GIS)
- ENVS 132/BIOL 131 (Agroecology L & L)
- ENVS 141 (Envtl. Biology in Tropics)
- ENVS 144 (Natural History of Baja L&L)
- ENVS 151/BIOL 151 (Restoration Ecology L & L)
- ENVS 153/BIOL 153 (Conservation Science)
- ENVS 156/BIOL 156 (General Ecology L & L)
- ENVS 160 (Water Resources L & L)

Water, Energy, and Technology Concentration*Organic Chemistry or Physics series recommended***Four courses (at least one with lab) from:**

- BIOL 135/ENVS 135 (Biofuels: Sustainable Energy)
- CENG 119 (Design for Sustainable Construction)
- CENG 139 (Groundwater Hydrology)
- CENG 140 (Water Resources Engineering)
- CENG 143 (Environmental Engineering)
- CENG 161 (Sustainable Water Resources)
- CENG 163 (Solid Waste Management)
- ENVS 80 (Energy and the Environment)
- ENVS 117 (Intermediate GIS)
- ENVS 145 (Environmental Technology)
- ENVS 148 (Solar Revolution)
- ENVS 160 (Water Resources L & L)
- ENVS 161 (Water Security)
- ENVS 166 (Climate Change: Past to Future L&L)
- ENVS 185 (Garbology)

Integrative Senior Year Course

- ENVS 101 (Capstone Seminar)

No course can be used to fulfill two requirements on this sheet.*These requirements apply to students who entered SCU as freshmen in **September 2013 or later.**

Recent transfer students should consult their academic advisors.

University Core Requirements for a Natural Science major (suggested courses 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 (ENVS 21 or 23) 1) _____

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 9)

1) _____

Diversity 1) _____

Social Science (ECON 1)

1) _____

Science, Technology & Society (ANTH 140/ENVS136, ENVS 10, 80, 135, 145, 153)

1) _____

Civic Engagement (ANTH 154, ANTH 155, COMM 120A, 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 142)

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 requirements