

2011-2012 Environmental Science B.S. Degree Requirements*

Total = 22-23 courses

Introductory (12-13 courses)

- ENVS 21 (Intro to Environmental Science L & L)
- ENVS 22 (Intro to Environmental Studies)
- ENVS 23 (Soil, Water, and Air L & L)
- ENVS 79 (Environmental Thought) or PHIL 9 (Ethical Issues and the Environment)
- ANTH 50, ENVS 50, or POLI 50 (World Geography)
- ECON 1 (Principles of Microeconomics)
- MATH 7 (Calculus for Social Science) or MATH 11 (Calculus & Analytic Geometry I)
- CHEM 11 (General Chemistry I)
- CHEM 12 (General Chemistry II)
- CHEM 13 (General Chemistry III)

Select one of the following series (consult your advisor)

- BIOL 21 (Intro. Physiology)
 - BIOL 22 (Intro. Evol. & Ecology)
 - BIOL 23 (Investigations in Evol. & Ecology L & L)
 - CHEM 31 (Organic Chemistry I)
 - CHEM 32 (Organic Chemistry II)
 - PHYS 11 (General Physics I)
 - PHYS 12 (General Physics II)
 - PHYS 13 (General Physics III)
- PHYS 31, 32, 33 can substitute*

Intermediate (3 courses plus colloquia)

- ENVS 110/BIOL 160 (Statistics for Environmental Science L & L)
- ENVS 115 (GIS in Environmental Science L & L) or ENVS 116 (Introduction to GIS)
- ENVS 122 (Environmental Politics & Policy)
- Attend ten ESS-approved colloquia

Advanced (5 courses)

One upper division social science course from:

- ANTH 140 (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 146 (Agr., Environment, & Dev.: Latin America)
- ENVS 147 (International Environment and Development)
- ENVS 149 (African Environment & Development)
- ENVS 150 (Political Ecology)
- ENVS 155 (Environmental and Food Justice)
- ENVS 158/PSYC 158 (Conservation Psychology)
- ETHN 156 (Environmental Racism, Gender, & Justice)

Consult your advisor to declare a thematic concentration

Applied Ecology Concentration

BIOL 21, 22, 23 series recommended

Four courses from:

- ANTH 145 (Historical Ecology)
- BIOL 134 (California Plant Diversity L & L)
- BIOL 158 (Biology of Insects L & L)
- ENVS 132/BIOL 131 (Agroecology L & L)
- ENVS 141/BIOL 157 (Envtl. Biology in the Tropics)
- ENVS 144 (Natural History of Baja)
- 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 from:

- BIOL 135/ENVS 135 (Biofuels: Sustainable Energy)
- CENG 139 (Groundwater Hydrology)
- CENG 140 (Water Resources Engineering)
- CENG 143 (Environmental Engineering)
- CENG 160 (GIS in Water Resources)
- CENG 161 (Sustainable Water Resources)
- CENG 163 (Solid Waste Management)
- ENVS 10 (Joy of Garbage)
- ENVS 80 (Energy and the Environment)
- ENVS 145 (Environmental Technology)
- ENVS 148 (Solar Revolution)
- ENVS 160 (Water Resources L & L)
- ENVS 165 (Climate Science and Solutions)

Integrative Senior Year Courses (2 courses) -

- Get your internship plan approved by your advisor before beginning it
- ENVS 198 (Environmental Proseminar) – **Complete approved 100-hour internship prior to enrolling**
- ENVS 101 (Capstone Seminar)

Planning to study abroad? Consult your advisor to learn which courses can count toward your major.

No course can be used to fulfill two requirements on this sheet.

*These requirements apply to students who entered SCU before September 2013.
Recent transfer students should consult their academic advisors.

Environmental Science Major

Graduation Requirements Checklist for the College of Arts & Sciences

Name: _____ ID#: _____ Advisor: _____

Consult your Degree Audit on E-campus to complete this form.

Cumulative GPA (minimum 2.0): _____ GPA in major (minimum 2.0): _____

CTW 1 & 2 1) _____ 2) _____

C & I 1, 2 & 3 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 at any time.

1) _____ (1-19 units) 2) _____ (20-99 units) 3) _____ (100-199 units)

Ethics (PHIL 9)
1) _____

Diversity 1) _____

Social Science (ECON 1)
1) _____

Science, Technology & Society (ANTH 140, ENVS 10, 80, 135, 144, 145, 153)
1) _____

Civic Engagement (ANTH 140, COMM 120A, ENVS 22, ETHN 156, HIST 85)
1) _____

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

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

Advanced Writing* (ENVS 142)
1) _____

Pathways*
1) _____ 2) _____ 3) _____ 4) _____

*Can overlap with core or major requirements

_____ Declare Pathways (end of Sophomore year)
_____ Reflection Paper (Senior year)

_____ Submit Pathway paper/Project 1 (date submitted _____)
_____ Submit Pathway paper/Project 2 (date submitted _____)
_____ Submit Pathway paper/Project 3 (date submitted _____)