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

Intermediate (4 courses plus colloquia)
- ENVS 110/BIO 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 (Biological Insects L & L)
- ENVS 117 (Intermediate GIS)
- ENVS 132/BIO 131 (Agroecology L & L)
- ENVS 141 (Envtl. Biology in Tropics)
- ENVS 144 (Natural History of Baja L & L)
- ENVS 151/BIO 151 (Restoration Ecology L & L)
- ENVS 153/BIO 153 (Conservation Science)
- ENVS 156/BIO 156 (General Ecology L & L)
- ENVS 160 (Water Resources L & L)
- 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)

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

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

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

<table>
<thead>
<tr>
<th>Name: __________________</th>
<th>ID#: __________________</th>
<th>Advisor: __________________</th>
</tr>
</thead>
</table>

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/ENV136, ENV 10, 80, 135, 145, 153)*
1) ____________

**Civic Engagement** *(ANTH 154, ANTH 155, COMM 120A, ENV 22, ENV 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*