

ENVIRONMENTAL STUDIES DEPARTMENT - Bachelor of Science (B.S.) Total units required: 65-66

REQUIREMENTS CHECK-OFF SHEET: Name: _____ Student ID #: _____

LEGEND:

- Courses in parentheses (*Prereq*:...) are prerequisites
- Prereq PFI = Permission from Instructor
- Graduation or General Education requirements met by course displayed in bold red square brackets **[xx]**

NOTE: ____ ENVS 11 Environmental Issues & Critical Thinking is not a required course in the ENVS BS major but satisfies GE Area **[A3]**

A. Required Lower Division Courses (23-24 units)

- ____ BIO 1 Biodiversity, Evolution, and Ecology **[B2 & B3]**
- ____ BIO 2 Cells, Molecules, and Genes **or both** ____ BIO 10 Basic Biol. Concepts **and** ____ BIO 15L
- ____ CHEM 1A General Chemistry I **or** CHEM 6A Intro to General Chemistry **[B1 & B3]**
- ____ ECON 1B Introduction to Microeconomic Analysis **[D]**
- ____ ENVS 10 Environmental Science **[B2]**
- ____ GEOG 1 Physical Geography **or** ____ GEOL 10 Physical Geology **[B1]**

B. Required Upper Division Courses (21 units)

- ____ BIO 160 General Ecology
(*Prereq*: ____ BIO 1 and BIO 10, **or both** ____ BIO 1 and BIO 2; **and** STAT 1 Intro. to Statistics)
- ____ ENVS 111 Environmental Ethics **[C2]**
- ____ ENVS 112 International Environmental Problems **[Writing Intensive]**
(*Prereq*: ____ WPJ Examination passed with score of 80+; **or** 3-unit placement in ENGL 109M or ENGL 109W; **or** 4-unit placement in ENGL 109M or ENGL 109W and co-enrollment in ENGL 109X; **or** WPJ score 70 or 71 and co-enrollment in ENGL 109X.)
- ____ ENVS 120 Quantitative Methods for Environmental Scientists
(*Prereq*: ____ STAT 1 Introduction to Statistics **or** PFI; ENVS Major or Minor students only)
- ____ ENVS 121 Field Methods in Environmental Science (*Prereq*: ENVS Major or Minor students only)
- ____ ENVS 187 Environmental Studies Seminar
- ____ ENVS 190 Senior Thesis (*Prereq*: ____ ENVS 112 **or** PFI)
- ____ ENVS 195 Environmental Studies Internship (*Prereq*: ____ PFI only)

C. Policy Electives (3 units)

Select **one** of the following:

- ____ ENVS 122 Environmental Impact Analysis: CEQA and NEPA
- ____ ENVS/POLS 128 Environment and the Law
- ____ ENVS/POLS 171 Environmental Politics and Policy

D. Environmental Studies Electives (Select three of the following - 9 units):

- ____ ENVS 110 Contemporary Environmental Issues (*PFI depending on topic*)
- ____ ENVS 130 Environmental Toxicology (*Prereq*: ____ CHEM 1A **or** ____ CHEM 6A **or** PFI)
- ____ ENVS 135 California Water and Society (*Prereq*: ____ ENVS 120 **or** PFI)
- ____ ENVS 137 Conservation and Society (*Prereq*: ____ ENVS 10 and BIO 1)
- ____ ENVS 140 Energy, Society, and the Environment (*Prereq*: ____ Upper division standing)
- ____ ENVS 144 Sustainability Science and Policy (*Prereq*: ____ BIO 1 **or** ____ ENVS 10 **or** PFI)

- ___ ENVS 147 Urban Agriculture and Aquaponics
- ___ ENVS 149 Agroecology
- ___ ENVS 151 Restoration Ecology
- ___ ENVS 155 Environmental Management & Decision-Making (Prereq: ___ ENVS 10 **or** PFI)
- ___ ENVS 158 Wetlands Ecology
- ___ ENVS 180 Climate Resilience

E. Interdisciplinary Electives (Select three of the following - 9 units):

NOTE: other Department's courses not listed below may be substituted with ENVS Department Chair's prior permission.

- ___ BIO 103 Plants and Civilization (Prereq: ___ BIO 10 Basic Biological Concepts)
- ___ BIO 112 Plant Taxonomy (Prereq: ___ BIO 1 **and** ___ BIO 2) (S only)
- ___ BIO 118 Natural Resource Conservation (Prereq: ___ BIO 1 **and** ___ BIO 2)
- ___ BIO 157 General Entomology (Prereq: ___ BIO 1 **and** ___ BIO 2)
- ___ BIO 162 Ichthyology: The Study of Fish (Prereq: ___ BIO 1 **and** ___ BIO 2)
- ___ BIO 164 Herpetology (Prereq: ___ BIO 1 **and** ___ BIO 2)
- ___ BIO 166 Ornithology (Prereq: ___ BIO 1 **and** ___ BIO 2)
- ___ BIO 168 Mammalogy (Prereq: ___ BIO 1 **and** ___ BIO 2)
- ___ BIO 169 Animal Behavior (Prereq: ___ BIO 1 **and** ___ BIO 2)
- ___ BIO 173 Principles of Fisheries Biology (Prereq: ___ STAT 1 **and** ___ BIO 160)
- ___ BIO 179 Conservation Biology & Wildlife Management (Prereq: ___ BIO 100. BIO 160 recommended too **or** PFI)
- ___ ENVS/ETHN 163 Ethnoecology **[B5]**
- ___ ENVS/SOC 138 Environmental Sociology
- ___ ENVS/HIST 165 American Environmental History **[D]**
- ___ GEOG 107 Remote Sensing
- ___ GEOG 109 Geographic Information Systems
- ___ GEOG 110 Advanced Geographic Information Systems (Prereq: ___ GEOG 109 **or** PFI)
- ___ GEOG 111 Elements of Meteorology (Prereq: ___ GEOG 1 **or** PFI) **[B5]**
- ___ GEOG 113 Climate **[B5]**
- ___ GEOG 115 Biogeography (Prereq: ___ GEOG 1 **or** PFI) **[B5]**
- ___ GEOG 116 Global Climate Change (Prereq: ___ GEOG 1 **or** PFI) **[B5]**
- ___ GEOG 118 Earth Transformed
- ___ GEOG 161 California's Water Resources
- ___ GEOL 127 Hydrogeology (Prereq: ___ CHEM 1A **and** ___ GEOL 10 **and** ___ GEOL 10L Lab **and** ___ GEOL **and** ___ MATH 26A **or** ___ MATH 30 **or** PFI)
- ___ GEOL 130 Oceanography **[B5]**
- ___ GEOL 140 Geology and the Environment (Prereq: ___ same as for ENVS 112 above) **[D, and Writing Intensive]**
- ___ HIST 139A Global Environmental History in the Age of Imperialism, 1450-Present Day
- ___ RPTA 153 Environmental Interpretation

F. Other non-required courses (requires instructor permission):

- ___ ENVS 199 Special Problems (Prereq: ___ Instructor **and** Chair Permission)