

**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
- F = taught in Fall; S = Spring; Sum = Summer
- Graduation or General Education requirement 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 (F only)  
\_\_\_\_ ENVS/POLS 128 Environment and the Law (S Only)  
\_\_\_\_ ENVS/POLS 171 Environmental Politics and Policy (F Only)

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

- \_\_\_\_ ENVS 110 Contemporary Environmental Issues (PFI depending on topic)  
\_\_\_\_ ENVS 130 Environmental Toxicology (Spring Only)  
(Prereq: \_\_\_\_ CHEM 1A **or** \_\_\_\_ CHEM 6A **or** PFI)

- \_\_\_ ENVS 135 California Water and Society (*Prereq:* \_\_\_ ENVS 120 **or** PFI) (S Only)
- \_\_\_ ENVS 137 Conservation and Society (*Prereq:* \_\_\_ ENVS 10 and BIO 1) (S Only)
- \_\_\_ ENVS 140 Energy, Society, and the Environment (*Prereq:* \_\_\_ Upper division standing) (Fall Only)
- \_\_\_ 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 (Spring Only)
- \_\_\_ ENVS 155 Environmental Management & Decision-Making (*Prereq:* \_\_\_ ENVS 10 **or** PFI) (S Only)
- \_\_\_ ENVS 158 Wetlands Ecology (Fall Only)

**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) (F only – odd years)
- \_\_\_ BIO 157 General Entomology (*Prereq:* \_\_\_ BIO 1 **and** \_\_\_ BIO 2) (F only)
- \_\_\_ BIO 162 Ichthyology: The Study of Fish (*Prereq:* \_\_\_ BIO 1 **and** \_\_\_ BIO 2) (Fall only – even years)
- \_\_\_ BIO 164 Herpetology (*Prereq:* \_\_\_ BIO 1 **and** \_\_\_ BIO 2) (S only – even years)
- \_\_\_ BIO 166 Ornithology (*Prereq:* \_\_\_ BIO 1 **and** \_\_\_ BIO 2) (S only – odd years)
- \_\_\_ BIO 168 Mammalogy (*Prereq:* \_\_\_ BIO 1 **and** \_\_\_ BIO 2) (F only)
- \_\_\_ BIO 169 Animal Behavior (*Prereq:* \_\_\_ BIO 1 **and** \_\_\_ BIO 2) (S only)
- \_\_\_ BIO 173 Principles of Fisheries Biology (*Prereq:* \_\_\_ STAT 1 **and** \_\_\_ BIO 160) (F only – odd years)
- \_\_\_ BIO 179 Conservation Biology & Wildlife Management  
(*Prereq:* \_\_\_ BIO 100. BIO 160 recommended too. Or, PFI) (S only)
- \_\_\_ ENVS/ETHN 163 Ethnoecology (Fall Only) **[B5]**
- \_\_\_ ENVS/SOC 138 Environmental Sociology
- \_\_\_ ENVS/HIST 165 American Environmental History **[D]**
- \_\_\_ GEOG 107 Remote Sensing (Spring only)
- \_\_\_ 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 (Fall only) **[B5]**
- \_\_\_ GEOG 115 Biogeography (*Prereq:* \_\_\_ GEOG 1 **or** PFI) (F only) **[B5]**
- \_\_\_ GEOG 116 Global Climate Change (*Prereq:* \_\_\_ GEOG 1 **or** PFI) (S only) **[B5]**
- \_\_\_ GEOG 118 Earth Transformed
- \_\_\_ GEOG 161 California's Water Resources (Spring only)
- \_\_\_ GEOL 127 Hydrogeology (*Prereq:* \_\_\_ CHEM 1A **and** \_\_\_ GEOL 10 **and** \_\_\_ GEOL 10L Lab **and** \_\_\_ GEOL 12 H  
**and** \_\_\_ MATH 26A **or** \_\_\_ MATH 30 **or** PFI) (Spring only)
- \_\_\_ 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. (F only)
- \_\_\_ RPTA 153 Environmental Interpretation

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

- \_\_\_ ENVS 199 Special Problems (*Prereq:* \_\_\_ Instructor and Chair permission)