B.A. ENVIRONMENTAL SCIENCE DEGREE REQUIREMENTS

Basic Requirements:

A. **All of the following courses:**
   
   ESS 60A ____ 60B ____ 60C ____ 114 ____ 180 ____ 182 ____ 192 ____

   **One course from the following:**
   
   ESS 1 ____ 3 ____ 5 ____ 7 ____ 11 ____ 13 ____ 15 ____ 17 ____ 21 ____ 23 ____

B. **All of the following courses:**

   Bio 93 ____ Bio 94 ____
   
   Chem 1A ____ 1B ____ 1C ____; 1LC ____ 1LD ____ OR
   
   Chem H2A ____ H2B ____ H2C ____; H2LA ____ H2LB ____ H2LC ____

C. **Three courses from the following:**

   Math 2A ____ 2B ____ 4 ____
   
   Statistics 7 ____
   
   Social Sciences 9A ____ 9B ____ 9C ____; 10A ____ 10B ____ 10C ____
   
   Economics 15A ____ 15B ____
   
   ESS 19 ____ 116 ____ 134 ____

D. **Four courses from the following:**

   Sociology 1 ____ 2 ____ 3 ____
   
   Economics 13 ____ 20A ____ 20B ____
   
   Urban Policy and Public Planning (UPPP) 4 ____ 139 ____
   
   Bio E189 ____
   
   ESS 110 ____ 178 ____
   
   Logic and Philosophy of Science 60 ____

E. **Additional Electives:** **(six courses from the following)**

   **Two electives each from the following three categories:**

   1. **Earth System Science:** Any four-unit upper division course (199/H199 may count only once; 190A and 190B may be used as one elective requirement); courses may not be used as electives if counted toward degree requirements.

   2. **Chemistry:** 51A, 51B and 51LB, 51C and 51LC, H52A and H52LA, H52B and H52LB, H52C
   
   Physics: 3A, 3B, 3C, 7C, 14, 20A, 20B, 20C, 20D
   

   3. **Economics:** 100A, 100B, 100C, 141A, 141B, 141C, 142A, 142B, 142C, 144A, 144B, 144C, 144T, 145E, 145L
   
   Sociology: 31, 43, 44, 110, 141, 147A, 171;
   
   Planning, Policy, and Design: 135

   **Other courses may be substituted for approved electives by petition.**

Optional Concentration in Geosciences with Secondary Teaching Certification

This concentration allows students pursuing the B.A. in Environmental Science to earn a bachelor’s degree and complete the required course work and field experience for a California Preliminary Single Subject Teaching Credential at the same time. Requirements are the same as the B.A. with the following changes:

D. **Two courses from the list, not four.**

F. **All courses from the following:**

   ESS 7 ____ OR 140 ____; Physics 20A ____ OR 20B ____;
   
   Physical Sciences 5 ____ 105 ____; Chemistry/Physics 193 ____; LPS 60 ____
   
   Education 55 ____ 109 ____ 143A ____ 143B ____ 148 ____ and two quarters of Education 158 ____

Effective Fall 2018