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 ____
   Planning, Policy and Design 4 ____ 134 ____ 139 ____ 140 ____ 151 ____
   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.

   Physics: 3A, 3B, 3C, 7C, 14, 20A, 20B, 20C, 20D

   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 2016