

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
Biological Sciences: 20, 55, 65, 97, 98, 99, E106, E138, E140, E150, E151, E160, E160L, E167, E172, E175, E176, E179, E179L, E181, E182, E184, E186, E189

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 ____