

## 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.

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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, E161L, E167, E172, E175, E176, E179, E179L, E181, E182, E184, E186, E189

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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

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

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### 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 \_\_\_\_