

*Mathematics* ..... (4)  
 For ES option, MATH 75  
 For LS and BPHS options, MATH 75 or 70

*Physics* ..... (8)  
 For ES option, PHYS 4A, 4AL, 4B, 4BL  
 For LS and BPHS options, PHYS 2A, 2B

*Statistics* ..... (3-4)  
 MATH 11 or PSYCH 42

*Social Science* ..... (3)  
 One of ECON 40, ANTH 2, or UCR ENSC 174

**Upper-division core requirements all options** ..... **10**  
 PHIL 120 or PLSI 157;  
 EES 100A\*, 100B\*;

**Environmental Sciences Options**..... **31-47**

*Option in Earth Science (ES)*..... (38-41)  
 MATH 76, 77; CHEM 8,  
 EES 117 ..... (14)  
 Three courses from the following two groups, at least one from the first group..... (9-12)  
 (1) CHEM 105, 108; MATH 81, PSYCH 144, 145; (2) BIOL 120, HS 160; EES 107, 108, 111; ECON 117; UCR ENSC 155, 172, 190\*  
 Select one of the three emphases .... (15)  
 (1) For Engineering Emphasis, UCR ENSC 127 and two other courses from Group A; one course from Group B; one course from Group C. (2) For Geology Emphasis, one course from Group A; three courses from Group B; one course from Group C. (3) For Soils Emphasis, UCR ENSC 127; two courses from Group B; two courses from Group C.  
*Group A:* CE 140, 191T; HS 166T; UCR ENSC 127  
*Group B:* EES 105, 114, 124  
*Group C:* UCR ENSC/SWSC 104, UCR ENSC/SWSC 107

*Option in Life Science (LS)*..... (37-47)  
 (Emphases under this degree option are directed by advisers.)  
 Optional internship:  
 EES 190\* ..... (0-6)  
 BIOL 171, 172; CHEM 128A, 128B; UCR ENSC 172, 174; UCR BPSC 165 ..... (24)  
 Two courses from each of the following two groups..... (13-17)

(1) BIOL 125, 130, 133.  
 (2) PSYCH 143, 144, 145; EES 105, 106, 107, 108

**Option in Behavioral, Policy, and Health Sciences (BPHS)**.....(31)  
 There are three available emphases that prepare students for careers in environmental law, environmental policy, environmental health, environmental analysis, urban-planning, or socio-environmental research. A minimum of 31 upper-division semester units is required, including internship and required courses.  
 Optional internship: EES 190\* or HS 175 ..... (0-6)

**Emphasis in Environmental Policy**  
 Required courses PHIL 118 or 127; PLSI 157 (if not taken as core requirement); one of: ECON 119 or 174; one approved course in Business Administration/  
 Law.....(12)  
 Electives: PHIL 118, 127, 157, PLSI 156T (approved topics only), 181; ECON 119, 174; CRP 135; GEOG 135; UCR ENSC/ECON 143A, 143B; UCR ENSC 170, 174..... (13-19)

**Emphasis in Environmental Health**  
 Required courses: HS 109, 160, 161, 162A, 167, 168A, 168B.....(21)  
 Electives: HS 151, 162B, 170, 182; PLTH 102; PLANT 105; ECON 162; UCR ENSC/ENVE 144; UCR ENSC 155, 172; UCR EES/SWSC 176.....(10)

**Emphasis in Socio-behavioral Analysis**  
 Required courses:  
 PSYCH 143, 144, 145, 173 ..... (15-16)  
 Electives: PLSI 156T (Approved topics only), BIOL 151, 152; GEOG 105, 106, 107, 108; SOC 163; ANTH 108; UCR ENSC/ENVE 144; UCR ENSC 155, 170, 172; UCR ENSC/SWSC 176; UCR EES/ECON 143A, 143B..... (15-16)

**General Education requirements**..... **51\*\***  
**Total** ..... **130-149\*\***

\* Course approval pending. See adviser for course alternatives.  
 \*\* Of the 51 units required for General Education,

up to 19 units may be satisfied by G.E. courses found in the lower-and upper-division core requirements. Please see your faculty adviser to assist you in developing a plan of study.

**Geology Minor**

The minor consists of 20 units of coursework approved by a departmental faculty member and must include 6 upper-division units in residence. Minimum GPA is 2.0.

**Bachelor of Arts in Natural Sciences**

*Earth Science Option*

The B.A. in Natural Sciences serves as a waiver program for the Single Subject Teaching Credential in Science. This waiver program is currently under review by the California Commission on Teacher Credentialing and until program approval is secured, the appropriate CSET exams will be required to establish subject matter competency. Please contact Mr. Jaime Arvizu, College of Science and Mathematics counselor, for advising and more information at 278-5173.

The degree is also a suitable choice for students with a general interest in earth science and interest in pursuing a career in environmental science, law, medicine, dentistry, optometry, and other areas for which the breadth of scientific coverage of this degree is advantageous.

The B.A. in Natural Sciences with the Earth Science Emphasis is as follows:

	<i>Units</i>
<b>Core requirements</b> .....	<b>36</b>
<i>Biology</i> .....	(12)
BIOL 1A, 1B, 101	
<i>Chemistry</i> .....	(10)
CHEM 1A, 1B	
<i>Geology</i> .....	(7)
EES 1 and 168	
<i>Natural Science</i> .....	(3)
NSCI 106	
<i>Physical Science</i> .....	(4)
PSCI 21	
<b>Earth Science Option</b> .....	<b>43</b>
PHYS 2A, 2B <sup>1</sup> .....	(8)
MATH 75 .....	(4)
EES 12, 30, 100, 101, 102, 105, 112, 155 .....	(24)
Select two courses:	
EES 110, 114, 117, 124; GEOG 111 .....	(6)
EES 3 .....	(1)
<b>General Education requirements</b> .....	<b>51</b>
<b>Electives and remaining degree requirements</b> .....	<b>2</b>
<b>Total</b> <sup>2,3</sup> .....	<b>120</b>