B.S. EARTH SYSTEM SCIENCE DEGREE REQUIREMENTS

Basic Requirements:

A

One course fro	<i>m the foll</i> 3 5_	owing:				
<u>All</u> of the follow	ving cour	ses:				
ESS 51	53	55				
ESS 114 OR	115	116	_ 192			
Math 2A	2B	Stats 7				
Chem 1A	1B	1C	_; 1LC	1LD	OR	
Chem H2A_	H2B	H2	С; Н2	LA	H2LB	_H2LC
Physics 3A	3B	3C	; 3LB	3LC	OR	
Physics 7C_	7E	; 7LC				

B. <u>Additional Electives</u> (seven courses from the following; at least 4 must be ESS courses)

(ESS) (ESS) (ESS) Earth System Science: Any four-unit upper-division course (100-199) except 114, 116, 198 or H198;							
(ESS 199/H199 may be counted only once)							
<u>Chemistry</u> : 51A, 51B/LB, 51C/LC, 141							
Physics: 115A							
Mathematics: 2D, 3A, 3D, 105A, 112A, 115							
Mechanical and Aerospace Engineering (MAE): 91, 130A, 164							
Civil and Environmental Engineering (CEE): 162, 171, 172, 176, 178							
Biological Sciences: 93, 94, 98, D105, E106, E120, E150, E179, E179L, E189							
Public Health: 161, 163, 167, 171, 172, 173							
Urban Planning and Public Policy (UPPP): 133, 139, 145							
Computing Skills (one of the following may be counted toward the degree): ICS 31, EECS10, MAE 10,							
Physics 53, or another approved programming course							
Optional Specialization in Atmospheric Science (Courses may be used to fulfill electives in section B, where overlap exists.)							
<u>Three courses from the following: ESS 122 124 142 198/H198/199/H199A-B-C</u>							
(ESS 198/H198/199/H199A-B-C must be focused on atmospheric research and may be counted only once)							
AND <u>One</u> advanced tools course selected from the following: ESS 118 134 138							
Optional Specialization in Oceanography							
(Courses may be used to fulfill electives in section B, where overlap exists.)							
<u>Three</u> courses from the following: ESS 130 144 148 171 198/H198/199/H199A-B-C							
(ESS 198/H198/199/ H199A-B-C must be focused on oceanographic research and may be counted only once)							
AND <u>One</u> advanced tools course selected from the following: ESS 118138							
Optional Specialization in Hydrology and Terrestrial Ecosystems							
(Courses may be used to fulfill electives in section B, where overlap exists.)							
<u>Three courses from the following:</u> ESS 132133 OR 140156198/H198/199/H199A-B-C (ESS 198/H198/199/ H199A-B-C must be focused on terrestrial research and may be counted only once)							
AND <u>One</u> advanced tools course selected from the following: ESS 118 134 138							
Optional Concentration in Geosciences Education with Secondary Teaching Certification <i>This concentration allows students pursuing the B.S. in Earth System Science to earn a bachelor's degree and complete the required</i>							
course work and field experience for a California Preliminary Single Subject Teaching Credential at the same time. In addition to							
the major requirements listed above, all of the following must be completed:							
ESS 7 OR 140; Physics 20A OR 20B; Physical Sciences 5105;							
Chemistry/Physics 193; LPS 60							
Education 55109143AW143BW148 and two quarters of Education 158							

UCI SCHOOL OF PHYSICAL SCIENCES UNIVERSITY / GENERAL EDUCATION REQUIREMENTS

NAME	S	STUDENT ID				
Other Colleges						
UNIVERSITY REQUIREMENTS: English (UC ELW) American History Institutions						
RESIDENCY REQUIREMENTS: 36 of the final 45 units must be completed at UCI		TRANSFER STUDENTS:				
UNIT REQUIREMENT: 180 units are required for graduation		Partial IGETC				
GPA REQUIREMENT AND STANDING:		Full IGETC				
Overall GPA of 2.0 GPA in major at least a 2.0 GPA in upper-division major classes at least a 2.0		cert received? yes no				
General Education (GE) Requirements I. Writing (2 lower-division, 1 upper-division) 1. 2. 3. II. Science & Technology (any 3) 1. 2. 3. III. Social & Behavioral Sciences (any 3) 1. 2. 3. IV. Arts & Humanities (any 3) 1.	Anti Anti Anti Anti Anti Anti Anti Anti	45 homore 51 sics 3A m 1LD I ED 100 114 192 I ED/ Elective tive	Math 2B Chem 1B GEN ED GEN ED ESS 53 Physics 3B, 3LB GEN ED GEN ED ESS 116 Approved Elective GEN ED/ Elective Elective Elective	Stats 7 Chem 1C, 1LC GEN ED GEN ED ESS 55 Physics 3C, 3LC GEN ED GEN ED ESS Elective Elective Elective Elective Elective ESS Elective Elective		
2. 3. V. Quantitative, Symbolic and Computational Reasoning	Elec	ctive ctive	Elective Elective	Elective Elective		
Va. Vb. Va or Vb. VI. Language Other than English 1C or equivalent	ES ht Rea	(sample program, your schedule may differ greatly) ESS Department: http://www.ess.uci.edu Research Opportunities: http://www.ess.uci.edu/undergradrespro Course offerings:				
VII. Multicultural Studies (one course)	C	http://www.ess.uci.edu/academics/courses/ course.descriptions.php				
VIII. International/Global Issues (one course)		For enrollment questions:				