

Degree: Environmental Science, B.S.: Environmental Health Concentration 22-23				
Requirement Area	Course	Course Title	Prerequisites	Units
First Semester (FALL)				
E	GS 101A	Foundations of Success I		1
A1		Oral Communication		3
B1/B3	CHEM 111	General Chemistry I		5
B4	MATH 130	Calculus I		4
F				3
			Total:	16
Second Semester (SPRING)				
E	GS 101B	Foundations of Success II		1
A2	ENGL 102	English Composition		3
C2/Concentration	HSC 130	Health Humanities		3
D1/Code 1	POSC	POSC Political Science		3
LD Major	CHEM 112	General Chemistry II	CHEM 111 with grade C- or better.	5
			Total:	15
Third Semester (FALL)				
E		Lifelong Learning and Self Development		1
A3	PHIL 100	Workshop in Critical Thinking		3
B2/LD Major	ENSC 240	Environmental Biology		3
LD Major	ENSC 280	General Environmental Science		3
LD Major	PHYS 125	Principles of Physics I	Satisfactory score of 78 or higher on Math Proficiency Assessment or MATH 120.	4
B3/LD Major	ENSC 241	Environmental Biology laboratory		1
			Total:	15
Fourth Semester (SPRING)				
Add'l C1 or C2*		Arts and Humanities		3
Overlay				3
Elective				2
LD Major	PHYS 126	Principles of Physics II	PHYS 125.	4
LD Major	ENSC 297	Introductory Field Experience		1
Second Composition				3
			Total:	16
Fifth Semester (FALL)				
C1/Overlay		Arts		3
Concentration	BIOL 230	Introduction to Clinical Microbiology		4

CSUEB General Breadth and Graduation Requirement
Area A (9 units): Communication in the English Language &
<input type="checkbox"/> A1. COMM 100 or 104, MLL 111
<input type="checkbox"/> A2. ENGL 101, 102, or 104
<input type="checkbox"/> A3. PHIL 100
Area B (9 units) : Scientific Inquiry & Quantitative Reasoning
<input type="checkbox"/> B1. Physical Science
<input type="checkbox"/> B2. Life Science
<input type="checkbox"/> B3. Laboratory Activity
<input type="checkbox"/> B4. Quantitative Reasoning (Must earn passing grade of C-/CR or better.)
Area C (9 units): Arts & Humanities - Minimum of three different disciplines as designated by course prefix (e.g., ART, THEA, MUS)
<input type="checkbox"/> C1. Arts
<input type="checkbox"/> C2. Humanities
<input type="checkbox"/> *Additional Lower-division Area C Course in Arts (C1) or
Area D (6 units) : Social Sciences - Minimum of three different disciplines as designated by course prefix (e.g., ANTH, ECON, POSC)
<input type="checkbox"/> D1.
<input type="checkbox"/> D2.
Area E (3 units) : Lifelong Learning and Self-Development
<input type="checkbox"/> E.
Area F (3 units): Ethnic Studies
<input type="checkbox"/> F.
Second Composition : Requires completion of GE A2 with a C-/CR or better. Must be completed before attaining junior standing.
<input type="checkbox"/> Second Composition
U.S. Code (American Institutions Requirement) - Two
<input type="checkbox"/> Code 1.
<input type="checkbox"/> Code 2.
Upper Division GE Requirements (9 units): Should be taken after completion of A1, A2, A3, and B4 with a C- (CR)
<input type="checkbox"/> UD-B. Upper-division Science Inquiry and Quantitative Reasoning
<input type="checkbox"/> UD-C. Upper-division Arts OR Humanities
<input type="checkbox"/> UD-D. Upper-division Social Sciences
Overlay Requirements (9 units): Courses may be upper or lower division, and GE or major
<input type="checkbox"/> Diversity (Div)
<input type="checkbox"/> Social Justice (SJ)
<input type="checkbox"/> Sustainability (S)
Environmental Health Concentration

Concentration	CHEM 233	Fundamentals of Organic Chemistry	CHEM 112 with grade C- or better.	4
LD Major	GEOL 210	Physical Geology		4
			Total:	15
Sixth Semester (SPRING)				
UD-D/Concentration	HSC 362	Environmental Health Policy	Completion of GE areas A1, A2, A3 and B4	3
UD Major	ENSC 350/GEOL 432	Env Hydrology or Hydrogeology	Either CHEM 100 or CHEM 111, and either MATH 120 or MATH 130, and either PHYS 115 or PHYS 125.	4
UD Major	STAT 303/STAT 310	UD Statistics	Completion of GE area B4	3
UD Major	BIOL 350	Ecology	BIOL 140B, MATH 115, STAT 303.	4
			Total:	14
Seventh Semester (FALL)				
D2/Code 2				3
UD-C/Overlay				3
UD Major/Sustainability	ENSC 414	Hazardous Waste Management	CHEM 112.	3
UD-B/Concentration	HSC 300	Environmental Health	Completion of GE areas A1, A2, A3 and B4 ; and ENSC 280.	3
Concentration	HSC 330	Epidemiology	One of: STAT 100, STAT 110, STAT 303A.	3
			Total:	15
Eighth Semester (SPRING)				
UD Major	ENVT 410	Environmental Impact Analysis	ENVT 310	3
Concentration	ENSC, HSC	Soil Science, Occupational Health, etc.		3
Concentration	HSC, PHYS	Vector Control, Toxicology, etc.		3
UD Major	ENSC 397	Advanced Field Experience	GEOL/ENSC 297 and junior or senior standing.	2
UD Major	ENSC 499	Capstone Seminar	Junior or senior standing	3
			Total:	14
Total Units:				120

HSC 385 - Vector Control Units: 3
HSC 405 - Toxicology Units: 3
HSC 420 - Occupational Health Units: 3
PHYS 305 - Environmental Health Science Electromagnetic and Nuclear Radiation Units: 3
(Students with advisor approval and instructor consent may use one ENSC graduate-level course to satisfy one elective)

***Students are required to take a minimum of 40 semester units as upper division (includes 9 units upper division GE)**

Note: No changes to, or from, the credit/no credit pattern are permitted after the Grade Type Change period. There are no exceptions to this rule. Courses in a student's major department, regardless of course prefix, may not be taken "CR/NC," unless that is the only grading pattern in the course.