

Degree: Environmental Science, B.S.: Environmental Health Concentration 25-26				
Requirement Area	Course	Course Title	Prerequisites	Units
First Semester (FALL)				
Major Recommended	EESC 133	Introduction to the Earth, Environmental and Sustainability Sciences for Majors		1
Major Required	EESC 297	Introductory Field Experience		1
1C		Oral Communication		3
Major Required	CHEM 111	General Chemistry I		3
Major Required	CHEM 111L	General Chemistry I Laboratory		2
Area 2	MATH 130	Calculus I		4
Area 6				3
			Total:	17
Second Semester (SPRING)				
1A				3
3B/Concentration	PH 130	Health Humanities		3
Area 4/Code 1				3
Major Required	CHEM 112	General Chemistry II	CHEM 111 & CHEM 111L with a C- or higher	3
Major Required	CHEM 112L	General Chemistry II Laboratory	CHEM 111 & CHEM 111L with a C- or higher	2
			Total:	14
Third Semester (FALL)				
1B/Second Comp				3
5B/LD Major	EESC 240	Environmental Biology		3
Major Required/5C	EESC 241	Environmental Biology Laboratory		1
Major Required/5A /SUS	EESC 280	Humans and the Environment in California		3
LD Major	PHYS 125	Principles of Physics I	Satisfactory score of 78 or higher on Math Proficiency Assessment or MATH 120.	4
			Total:	14
Fourth Semester (SPRING)				
3A		Arts		3
LD Major	PHYS 126	Principles of Physics II	PHYS 125.	4
Area 4/Code 2				3
Free Elective				4
UWR				3
			Total:	17
Fifth Semester (FALL)				
UD-Area 3/Overlay			Completion of GE Areas 1A, 1B, 1C and GE-2 with grade C- (CR) or better	3
Concentration	BIOL 232	Environmental Health Microbiology		4
Concentration	CHEM 233	Fundamentals of Organic Chemistry	CHEM 112 with grade C- or better.	3
LD Major	EESC 210	Physical and Environmental Geology and Geography		4
Free Elective				1
			Total:	15
Sixth Semester (SPRING)				
UD-Area 4/Concentration	PH 362	Environmental Health Policy	Completion of GE Areas 1A, 1B, 1C and GE-2 with grade C- (CR) or better	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	Statistical Methods in Biology	Completion of GE area Area 2	3
UD Major	BIOL 350	Ecology	BIOL 140B, MATH 115, STAT 303.	4
			Total:	14
Seventh Semester (FALL)				
Major Required	EESC 360	Introduction to GIS in Earth, Environmental and Sustainability Sciences		3
UD Major/Sustainability	ENSC 414	Hazardous Waste Management	CHEM 112.	3
UD-Area 5/Concentration	PH 300	Environmental Health	Completion of GE Areas 1A, 1B, 1C and GE-2 with grade C- (CR) or better	3
Concentration	PH 330	Epidemiology	One of: STAT 100, STAT 110, STAT 303A.	3
Major Required	EESC 420	Global Climate Change		3
			Total:	15
Eighth Semester (SPRING)				
UD Major	EESC 410	Environmental Impact Analysis		3
Concentration	PH, PHYS	Soil Science, Occupational Health, etc.		3
Concentration	PH, PHYS	Vector Control, Toxicology, etc.		3
UD Major	EESC 397	Advanced Field Experience	EESC 297	2
UD Major	EESC 499	Capstone Seminar in Earth, Environmental and Sustainability Sciences		3
			Total:	14
Total Units:				120

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.

CSUEB General Breadth and Graduation Requirement Checklist	
Area 1 (9 units): English Communication	
<input type="checkbox"/> 1A - Lower Division English Composition	
<input type="checkbox"/> 1B - Lower Division Critical Thinking and Composition	
<input type="checkbox"/> 1C - Lower Division Oral Communication	
Area 2 (3 units) : Mathematical Concepts and Quantitative Reasoning	
<input type="checkbox"/> Area 2 - Mathematical Concepts and Quantitative Reasoning	
Area 3 (6 units): Arts & Humanities - Minimum of two different disciplines as designated by course prefix (e.g., ART, THEA, MUS)	
<input type="checkbox"/> 3A - Arts and Humanities (Arts)	
<input type="checkbox"/> 3B - Arts and Humanities (Humanities)	
Area 4 (6 units) : Social and Behavioral Sciences - Minimum of two different disciplines as designated by course prefix (e.g., ANTH, ECON, POSC)	
<input type="checkbox"/> Area 4 - Lower Division Social and Behavioral Sciences	
<input type="checkbox"/> Area 4 - Lower Division Social and Behavioral Sciences	
Area 5 (7 units): Physical and Biological Sciences	
<input type="checkbox"/> 5A - Lower Division Physical and Biological Sciences (Physical)	
<input type="checkbox"/> 5B - Lower Division Physical and Biological Sciences (Biological)	
<input type="checkbox"/> 5C - Lower Division Physical and Biological Sciences (Laboratory) -- May be embedded in 5A or 5B course, as long as 7 units met for lower-division Subject Area 5.	
Area 6 (3 units): Ethnic Studies	
<input type="checkbox"/> Area 6 - Ethnic Studies	
Second Composition : Second Composition (Required as part of 1B for 2025-26 or later catalog)	
<input type="checkbox"/> Second Composition	
University Writing Requirement (3-4 units)	
<input type="checkbox"/> UWR	
U.S. Code (American Institutions Requirement) - Two courses (6 units) covering three U.S. Code Requirements of US-1 (U.S. History), US-2 (U.S. Constitution), and US-3 (California State & Local Government).	
<input type="checkbox"/> Code 1	
<input type="checkbox"/> Code 2	
Upper Division GE Requirements (9 units): Should be taken after completion of 1A, 1B, 1C, and Area 2 with a C- (CR)	
<input type="checkbox"/> UD- Area 3 - Upper Division Arts or Humanities	
<input type="checkbox"/> UD- Area 4 - Upper Division Social and Behavioral Sciences	
<input type="checkbox"/> UD- Area 5 - Upper Division Science or Mathematical Concepts/Quantitative Reasoning	
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	
PH 385 - Vector Control Units: 3	
PH 405 - Toxicology Units: 3	
PH 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)