

Degree: Geology, B.A. 23-24				
Requirement Area	Course	Course Title	Prerequisites	Units
<b>First Semester (FALL)</b>				
E	GS 101A	Foundations of Success I		1
A1	COMM 100	Communication		3
B1/B3	PHYS 125	General Physics I	Satisfactory score of 78 or higher on Math Proficiency Assessment or MATH 120.	4
LD Major	GEOL 210	Physical and Environmental Geology		4
B4	MATH 120	Precalculus		3
			<b>Total:</b>	15
<b>Second Semester (SPRING)</b>				
E	GS 101B	Foundations of Success II		1
A2	ENGL 102	Accelerated College Writing		3
C2				3
LD Major	GEOL 211	Historical Geology		4
LD Major	PHYS 126	General Physics II	PHYS 125	4
			<b>Total:</b>	15
<b>Third Semester (FALL)</b>				
E				1
A3	PHIL 100	Workshop in Critical Thinking		3
B2				3
				3
LD Major	CHEM 111	General Chemistry I		3
LD Major	CHEM 111L	General Chemistry Lab I		2
			<b>Total:</b>	15
<b>Fourth Semester (SPRING)</b>				
*Add'l C1 or C2				3
D1				3
Code 1				3
LD Major	CHEM 112	General Chemistry II	CHEM 111 with grade C-	5
LD Major	GEOL 297	Introductory Field Course		1
			<b>Total:</b>	15
<b>Fifth Semester (FALL)</b>				
Elective				1
D2				3
F		Ethnic Studies		3
UD Major	GEOL 360	Mineralogy and Optical Mineralogy	CHEM 112 and GEOL	4
LD Major	GEOL 260	Introduction to GIS		3
			<b>Total:</b>	14
<b>Sixth Semester (SPRING)</b>				
UWR				3
UD-D/Overlay				3
UD Major	GEOL 361	lg Met Petrology	GEOL 360	4
UD Major	GEOL 371	Sedimentary Geology and Stratigraphy	GEOL 361	4
UD Major	GEOL 397A, B,	Upper division field course 1		2
			<b>Total:</b>	16
<b>Seventh Semester (FALL)</b>				
C1				3
UD Major	GEOL 381	Structural Geology	GEOL 360	5
UD-B/Overlay				3
UD Major	GEOL	Disciplinary breadth/depth elective		3
			<b>Total:</b>	14
<b>Eighth Semester (SPRING)</b>				
Code 2				3
UD Major	GEOL	Disciplinary breadth/depth elective		3
UD Major	GEOL	Disciplinary breadth/depth elective		4
UD Major	GEOL 499	Seminar in Geology	Junior or senior	3
UD-C/Overlay				3
			<b>Total:</b>	16
<b>Total Units:</b>				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.

Revised: 03/24/23

CSUEB General Breadth and Graduation Requirement Checklist	
<b>Area A (9 units): Communication in the English Language &amp; Critical Thinking (Must earn passing grade of C-/CR or better)</b>	
<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
<b>Area B (9 units) : Scientific Inquiry &amp; Quantitative Reasoning</b>	
<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.)
<b>Area C (9 units): Arts &amp; Humanities - Minimum of two different disciplines as designated by course prefix (e.g., ART, THEA, MUS)</b>	
<input type="checkbox"/>	C1. Arts
<input type="checkbox"/>	C2. Humanities
<input type="checkbox"/>	*Additional Lower-division Area C Course in Arts (C1) or Humanities (C2)
<b>Area D (6 units) : Social Sciences - Minimum of two different disciplines as designated by course prefix (e.g., ANTH, ECON, POSC)</b>	
<input type="checkbox"/>	D1.
<input type="checkbox"/>	D2.
<b>Area E (3 units) : Lifelong Learning and Self-Development</b>	
<input type="checkbox"/>	E.
<b>Area F (3 units): Ethnic Studies</b>	
<input type="checkbox"/>	F.
<b>Second Composition : Requires completion of GE A2 with a C-/CR or better.</b>	
<input type="checkbox"/>	Second Composition
<b>University Writing Requirement</b>	
<input type="checkbox"/>	UWR
<b>U.S. Code (American Institutions Requirement) - Two courses (6 units)</b>	
<input type="checkbox"/>	Code 1.
<input type="checkbox"/>	Code 2.
<b>Upper Division GE Requirements (9 units): Should be taken after</b>	
<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
<b>Overlay Requirements (9 units): Courses may be upper or lower division,</b>	
<input type="checkbox"/>	Diversity (Div)
<input type="checkbox"/>	Social Justice (SJ)
<input type="checkbox"/>	Sustainability (S)
<b>Elective Courses</b>	
General B.A. Geology degree program students must choose a minimum of 9	
ENSC 350 - Environmental Hydrology Units: 4 ; G.E./G.R. Area: Sustainability	
ENSC 410 - Geohealth Units: 3	
GEOL 311 - Geomorphology Units: 3	
GEOL 341 - General Oceanography Units: 4	
GEOL 342 - Planetary Geology Units: 3	
GEOL 343 - Atmospheric Science Units: 3	
GEOL 397 - Advanced Field Experience Units: 2	
GEOL 431 - Applied Geophysics Units: 4	
GEOL 432 - Hydrogeology Units: 4	
GEOL 441 - Earthquake Geology Units: 3	
GEOL 460 - Geographic Information Systems for Earth and Environmental	
GEOL 490 - Independent Study Units: 1-3	
GEOL 497 - Issues in Geosciences Units: 3	

\*Students are required to take a minimum of 40 semester units as upper