

Degree: Geology, B.A. 24-25				
Requirement Area	Course	Course Title	Prerequisites	Units
First Semester (FALL)				
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
		Total:		15
Second Semester (SPRING)				
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
		Total:		15
Third Semester (FALL)				
E				1
A3	PHIL 100	Workshop in Critical Thinking		3
B2				3
		Second Composition		3
LD Major	CHEM 111	General Chemistry I		3
LD Major	CHEM 111L	General Chemistry Lab I		2
		Total:		15
Fourth Semester (SPRING)				
*Add'l C1 or C2				3
D1				3
Code 1				3
LD Major	CHEM 112	General Chemistry II	CHEM 111 with grade C- or better.	5
LD Major	GEOL 297	Introductory Field Course		1
		Total:		15
Fifth Semester (FALL)				
Elective				1
D2				3
F		Ethnic Studies		3
UD Major	GEOL 360	Mineralogy and Optical Mineralogy	CHEM 112 and GEOL 210	4
LD Major	GEOL 260	Introduction to GIS		3
		Total:		14
Sixth Semester (SPRING)				
UWR				3
UD-D/Overlay				3
UD Major	GEOL 361	Ig Met Petrology	GEOL 360	4
UD Major	GEOL 371	Sedimentary Geology and Stratigraphy	GEOL 361	4
UD Major	GEOL 397A, B, C	Upper division field course 1		2
		Total:		16
Seventh Semester (FALL)				
C1				3
UD Major	GEOL 381	Structural Geology	GEOL 360	5
UD-B/Overlay				3
UD Major	GEOL	Disciplinary breadth/depth elective		3
		Total:		14
Eighth Semester (SPRING)				
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 standing.	3
UD-C/Overlay				3
		Total:		16
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.

Updated:4/1/2024

CSUEB General Breadth and Graduation Requirement Checklist	
Area A (9 units): Communication in the English Language & Critical Thinking (Must earn passing grade of C-/CR or better)	
<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 two 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 Humanities (C2)
Area D (6 units) : Social Sciences - Minimum of two 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
University Writing Requirement	
<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 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)
Elective Courses	
General B.A. Geology degree program students must choose a minimum of 9 units from the following list to complete the major:	
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 Sciences Units: 4	
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 division (includes 9 units upper division GE)