

Degree	BS Geological Sciences Environmental Geology 4 yr												
	Fall	Qtr	Grade	Units	Winter	Qtr	Grade	Units	Spring	Qtr	Grade	Units	Yr. Total
Year 1	MATH 211=A3/B1	FWS		4	CHEM 215	FW		6	CHEM 216	WS		6	
	GEOL 101=B3	FWS		5	MATH 212	FWS		4	C1 (arts)	FWS		4	
	A1 (written comm)	FWS		4	A2 (Oral comm)	FWS		4	GEOL 250	S		5	
	D1 (Amer. Hist & civ)	FWS		4	E2 (whole per social)	FWS		2	E1 (whole per physical)	FWS		2	
	<b>Quarter Units:</b>			<b>17</b>	<b>Quarter Units:</b>			<b>16</b>	<b>Quarter Units:</b>			<b>17</b>	<b>50</b>
Year 2	PHYS 121/221	FW		5	PHYS 122/222	WS		4	GEOL 430	W		5	
	GEOL 320	F		5	GEOL 321	W		3	A4 (critical thinking)	FWS		4	
	GEOL 301	F		4	GEOL 360	W		5	GEOL 325	FWS		5	
					C4 (philosophy)	FWS		4					
	<b>Quarter Units</b>			<b>14</b>	<b>Quarter Units</b>			<b>16</b>	<b>Quarter Units</b>			<b>17</b>	<b>47</b>
Year 3	BIOL 100/202=B2	FWS		5	Geol 391	W		2	GEOL 340	S		5	
	D4 (SBS perspectives)	FWS		4	GEOL 330	W		5	GEOL 322	S		4	
	C3 (foreign language)	FWS		4	D2 (Amer Institutions)	FWS		4	B4 (sp top sci & tech)	FWS		2	
	NSCI 306=F1	FWS		4	C2 (literature)	FWS		4	GEOL 398	S		1	
	<b>Quarter Units</b>			<b>17</b>	<b>Quarter Units</b>			<b>15</b>	<b>Quarter Units</b>			<b>12</b>	<b>44</b>
Year 4	GEOL 375	F		4	GEOL 376	W		4	GEOL 590	S		2	
	Elective GEOL	F		5	G1/G2 (multicultural/ge)	FWS		4	C5 (HUM capstone)	FWS		4	
	D5 (SBS capstone)	FWS		4	B5 (NSCI capstone)	FWS		4	Geol 391	variable		2	
	GEOL 399	F		3	E3 (P.E.)	FWS		2	D3 (world cultures)	FWS		4	
	<b>Quarter Units</b>			<b>16</b>	<b>Quarter Units</b>			<b>14</b>	<b>Quarter Units</b>			<b>12</b>	<b>42</b>
Summer													
	Minimum 6 units electives GEOL * from approved courses								<b>Total to graduate</b>				<b>183</b>
Prerequisite Chains: Chem 215 (or 205)--> Geol 320 --> Geol 321 --> Geol 325 Geol 101 --> Geol 301 --> Geol 391 Geol 330 --> Geol 340 Math 211--> Phys 121 --> Geol 360													

General Ed Course	Course @ CSUSB	Course
<b>A. Basic Skills (12 units)</b>		
1. Written Communication	Eng 101 or HON 103	
2. Oral Communication	Comm 120 or HON 103	
3. Mathematics	Math 110, 115, 120, 192, 211	
4. Critical Thinking	Comm 180, Hon 103, Math 180, Phil 105, Psyc 105, Soc 180	
<b>B. Natural Sciences (20 units)</b>		
1. Math	Math 110, 115, 120, 192, 211	
2. Life Science	Biol 100, 202 or Hsci 120	
3. Physical Science	Chem 100, 205, 215; Geog 103, Geol 101, Phys 100, 103, 121, 221	GEOL 101
4. Special Topics in Science & Technology	Biol 216, 217, Chem 105, Csci 121, 124 Geol 210	
5. Integrative Capstone	Nsci 300, 310, 314, 320, 325, 351, 360	
<b>C. Humanities (20 units)</b>		
1. Arts	Art 200, Hum 180, Mus 180, TA 260	
2. Literature	Eng 110, 111, 160, 170, TA 160, 212	
3. Foreign Language/Literature in Transiatio	Flan 102, 150, Fren 102, 150, 200, 202, 290	
	Ger 102, 150, 212, 214, 216, 290, Japn 102, Mand 102, 150	
	Span 102, 150, 155, 212, 214, 214, 290	
4. Philosophy	Phil 190, 192, 193, 194	
5. Integrative Capstone	Hum 319, 325, 330, 335, 340, 344, 350, 370, 380, 385	
<b>D. Social and Behavioral Sciences (20 units)</b>		
1. American History & Civilization	Hist 146, 200, 201	
2. American Institutions	Psci 203 (if taken elsewhere, Cal hist will still need to be met)	
3. World Cultures	Anth 140, Hist 140, 142, 144; Ssci 165	
4. Discipline Perspectives	Anth 100, 102 ;Econ 104; Es 100; Geog 100, Psci 100	
	Psci 100, Soc 100, WSTD 100	
5. Integrative Capstone	Ssci 300, 304, 315, 316, 320, 321, 325, 343, 345, 350	
<b>E. Lifelong Understanding (6 units)</b>		
1. The Whole Person (Physical & Psych)	Nsci 110; Kine 205	
2. The Whole Person (Social & Psych)	Phil 101; Psyc 115; Sco 110	
3. Physical Education	Kine 101, 114, 120, 121, 137, 147, 149, 150	
<b>F. Upper-Division Writing Requirement (0-4 units)</b>		
1. Upper division Writing course	Educ, Eng, Hum, Mgmt, Nsci or Ssci 306	
2. Proficiency exam	No units associated with this exam	

<b>G. Multicultural/Gender Requirement (0-4 units)</b>			
1. Integratie Capstone		Hum 325, 335, 350, 370, 380; Nsci 325, Ssci 316, 325, 350	
2. Upper-division course		Anth 325, 333; Comm 304, 401; Cjus 451; Econ 352;	
		Eng 314; Hum 460; Mus 308, 350, Pa 305; Phil 364, 367; Ta 462	

Degree: <b>BS Geological Sciences - Environmental Geology 2 year Assumes all lower division GE and required courses taken</b>													
	Fall	Qtrs.	Grade	Units	Winter	Qtrs.	Grade	Units	Spring	Qtrs.	Grade	Units	Yr. Total
Year 3	GEOL 320	F		5	GEOL 321	W		3	GEOL 325	S		5	
	GEOL 301	F		4	GEOL 360	W		5	GEOL 322	S		4	
	NSCI 306=F1	FWS		4	GEOL 391	variable		2	GEOL 398	S		1	
					Elective GEOL	FWS		5	GEOL 391	variable		2	
									D5 (SBS capstone)	FWS		4	
	Quarter Units:			13	Quarter Units:			15	Quarter Units:			16	44
Year 4	GEOL 375	F		4	GEOL 376	W		4	GEOL 590	S		2	
	GEOL 399	F		3	B5 (NSCI capstone)	FWS		4	GEOL 430	S		5	
	G1/G2 (multicul/gender)	FWS		4	GEOL 391	variable		2	GEOL 391	variable		2	
	C5 (HUM capstone)			4	GEOL 330	W		5	GEOL 340	S		5	
	Quarter Units:			15	Quarter Units:			15	Quarter Units:			14	44
													88

Minimum 5 units GEOL electives from approved courses

**Prerequisite Chains:**

Chem 215 (or 205)--> Geol 320 --> Geol 321 --> Geol 325  
 Geol 101 --> Geol 301 --> Geol 391  
 Geol 330 --> Geol 340  
 Geol 375 --> Geol 376  
 Math 211--> Phys 121 --> Geol 360 --> Geol 430  
 Geol 398 --> Geol 399 --> Geol 590

**General Ed Course**

**Course @ CSUSB**

**A. Basic Skills (12 units)**

1. Written Communication Eng 101 or HON 103
2. Oral Communication Comm 120 or HON 103
3. Mathematics Math 110, 115, 120, 192, 211
4. Critical Thinking Comm 180, Hon 103, Math 180, Phil 105, Psc 105, Soc 180

**B. Natural Sciences (20 units)**

1. Math Math 110, 115, 120, 192, 211
2. Life Science Biol 100, 202 or Hsci 120
3. Physical Science Chem 100, 205, 215; Geog 103, Geol 101, Phys 100, 103, 121, 221
4. Special Topics in Science & Tech Biol 216, 217, Chem 105, Csci 121, 124 Geol 210
5. Integrative Capstone Nsci 300, 310, 314, 320, 325, 351, 360

**C. Humanities (20 units)**

1. Arts Art 200, Hum 180, Mus 180, TA 260
2. Literature Eng 110, 111, 160, 170, TA 160, 212
3. Foreign Language/Literature in a Foreign Language i  
 Fla 102, 150, Fren 102, 150, 200, 202, 290  
 Ger 102, 150, 212, 214, 216, 290, Japn 102, Mand 102, 150  
 Span 102, 150, 155, 212, 214, 214, 290
4. Philosophy Phil 190, 192, 193, 194
5. Integrative Capstone Hum 319, 325, 330, 335, 340, 344, 350, 370, 380, 385

**D. Social and Behavioral Sciences (20 units)**

1. American History & Civilization Hist 146, 200, 201
2. American Institutions Psci 203 (if taken elsewhere, Cal hist will still need to be met)
3. World Cultures Anth 140, Hist 140, 142, 144; Ssci 165
4. Discipline Perspectives Anth 100, 102 ;Econ 104; Es 100; Geog 100, Psci 100  
 Psci 100, Soc 100, WSTD 100
5. Integrative Capstone Ssci 300, 304, 315, 316, 320, 321, 325, 343, 345, 350

**E. Lifelong Understanding (6 units)**

1. The Whole Person (Physical & Social) Nsci 110; Kine 205
2. The Whole Person (Social & Physical) Phil 101; Psc 115; Soc 110
3. Physical Education Kine 101, 114, 120, 121, 137, 147, 149, 150

**F. Upper-Division Writing Requirement (0-4 units)**

1. Upper division Writing course Educ, Eng, Hum, Mgmt, Nsci or Ssci 306
2. Proficiency exam No units associated with this exam

**G. Multicultural/Gender Requirement (0-4 units)**

1. Integrative Capstone Hum 325, 335, 350, 370, 380; Nsci 325, Ssci 316, 325, 350
2. Upper-division course Anth 325, 333; Comm 304, 401; Cjus 451; Econ 352;  
 Eng 314; Hum 460; Mus 308, 350, Pa 305; Phil 364, 367; Ta 462