

Geology, B.S.: 120 units 2021-2022 Academic Year

	Fall		Units	Spring		Units	Comments
	Courses	Requirements/Comments		Courses	Requirements/Comments		
Year 1	GSC 1110 Principles of Geology (B1) [FSp] (Success Marker)		3	GSC 1120 Earth, Time, and Life (B1) [FSp] (Success Marker)		3	[] = Term Typically Offered F = Fall Sp = Spring Su = Summer e = even years o = odd years
	GSC 1410L Principles of Geology Laboratory (B3) [FSp]		1	GSC 1510L Earth, Time, and Life Laboratory (B3) [FSp]		1	
	CHM 1210 General Chemistry I (B1) [FSpSu] (Success Marker)	Prereq: C or better in MAT 12, 105, 106, 112, 114, 115, 116, 120, 125, 130, 191, 214, 216, 224, MAT 1050, MAT 1052, MAT 1060, MAT 1140, MAT 1150, MAT 1200, MAT 1250, MAT 1300, MAT 1310, MAT 1910, MAT 2140, MAT 2240, MAT 2250, STA 120, or STA 1200; or C- or better Coreq: CHM 1210L.	3	GSC 2550L Field Methods Laboratory [FSp]	Prereq: GSC 111 or GSC 1110 and GSC 141L or GSC 1410L.	1	
	CHM 1210L General Chemistry Laboratory I (B3) [FSpSu] (Success Marker)	Prereq: C or better in MAT 12, 105, 106, 112, 114, 115, 116, 120, 125, 130, 191, 214, 216, 224, MAT 1050, MAT 1052, MAT 1060, MAT 1140, MAT 1150, MAT 1200, MAT 1250, MAT 1300, MAT 1310, MAT 1910, MAT 2140, MAT 2240, MAT 2250, STA 120, or STA 1200; or C- o	1	CHM 1220 General Chemistry II (B1) [FSpSu]	Prereq: C- or better in CHM 1210, CHM 122 or CHM 122B; and C- or better in CHM 1210L, CHM 122L or CHM122LB. Coreq: CHM 1220L.	3	
	GE Area E: Lifelong Learning and Self-Development [FSp]	Recommended: 1010/A Planet Earth: A Citizen's Guide Activity (FYE)	3	CHM 1220L General Chemistry Laboratory II (B3) [FSpSu]	Prereq: C- or better in CHM 1210, CHM 122 or CHM 122B; and C- or better in CHM 1210L, CHM 122L or CHM122LB. Coreq: CHM 1220.	1	
	GE Area A2: Written Communication [FSp] (Success Marker)		3	MAT 1140 Calculus I (B4) [FSpSu] (Success Marker)	Prereq: C or better in MAT 1050 and MAT 1060, MAT 1070, or appropriate score on MDTP or ALEKS placement test.	4	
			0	GE Area A1: Oral Communication [FSP]		3	
	Total Units		14	Total Units		16	

Year 2	Fall		Units	Spring		Units	Comments
	Courses	Requirements/Comments		Courses	Requirements/Comments		
	GSC 2150 Mineralogy [F]	Prereq: GSC 111 or GSC 1110; GSC 141L or GSC 1410L; CHM 121 or CHM 1210; and CHM 121L or CHM 1210L. Coreq: GSC 2150L.	2	GSC 3070 Introduction to Global Geophysics [Sp]	Prereq: MAT 1050, MAT 112, MAT 114, MAT 1140, MAT 115, MAT 1150, or MAT 116; MAT 1060, MAT 112, MAT 114, MAT 1140, MAT 115, MAT 1150, or MAT 116. Coreq: GSC 3070L.	2	
GSC 2150L Mineralogy Laboratory [F]	Prereq: GSC 111 or GSC 1110; GSC 141L or GSC 1410L; CHM 121 or CHM 1210; and CHM 121L or CHM 1210L. Coreq: GSC 2150.	1	GSC 3070L Introduction to Global Geophysics Laboratory [Sp]	Prereq: MAT 1050, MAT 112, MAT 114, MAT 1140, MAT 115, MAT 1150, or MAT 116; MAT 1060, MAT 112, MAT 114, MAT 1140, MAT 115, MAT 1150, or MAT 116. Coreq: GSC 3070.	1		
GSC 3230 Geomorphology [F]	Prereq: GSC 111 or GSC 1110; and GSC 141L or GSC 1410L. Coreq: GSC 3230L.	2	GSC 3600 Hydrogeology [Sp]	Prereq: MAT 105, MAT 1050, MAT 106, MAT 1060, MAT 112, MAT 114, MAT 1140, MAT 1140C, MAT 115, MAT 1150, MAT 1150C, MAT 116; GSC 111, GSC 1110, GSC 321, or GSC 3210; and GSC 141L or GSC 1410L, GSC 321L, or GSC 3210L. Coreq: GSC 3600L.	2		
GSC 3230L Geomorphology Laboratory [F]	Prereq: GSC 111 or GSC 1110; and GSC 141L or GSC 1410L. Coreq: GSC 3230.	1	GSC 3600L Hydrogeology Laboratory [Sp]	Prereq: MAT 105, MAT 1050, MAT 106, MAT 1060, MAT 112, MAT 114, MAT 1140, MAT 1140C, MAT 115, MAT 1150, MAT 1150C, MAT 116; GSC 111, GSC 1110, GSC 321, or GSC 3210; and GSC 141L or GSC 1410L, GSC 321L, or GSC 3210L. Coreq: GSC 3600.	1		
GSC 1450L Megascopic Petrography Laboratory [F]	Prereq: GSC 111 or GSC 1110; and GSC 141L or GSC 1410L.	1	Major Required	PHY 1210/L Physics of Motion, Fluids, and Heat /Laboratory (B1/B3) or PHY 1510/L Newtonian Mechanics /Laboratory	4		
MAT 1150 Calculus II (B4) [FSpSu]	Prereq: MAT 1140, MAT 115B, MAT 1140C, AP Calc AB ≥ 3 , or AP Calc BC ≥ 3 .	4	GE Area A3: Critical Thinking [FSp]		3		
GE Area B2: Life Sciences [FSp]	Recommended: GSC 2700: Age of Dinosaurs	3	GE Area F: Ethnic Studies [FSp]		3		
Semester Total Units		14	Semester Total Units		16		

	Fall		Units	Spring		Units	Comments
	Courses	Requirements/Comments		Courses	Requirements/Comments		
Year 3	GSC 3000 Geochemistry [F]	Prereq: CHM121 or CHM 1210; and CHM121L or CHM 1210L. Coreq: GSC 3000L.	2	GSC 3330 Structural Geology [Sp]	Prereq: MAT 1050, MAT112, MAT114, MAT 1140, MAT115, MAT 1150, or MAT116; MAT 1060, MAT112, MAT114, MAT 1140, MAT115, MAT 1150, or MAT116; GSC111 or GSC 1110; GSC141L or GSC 1410L; and GSC255L, GSC 2550L, GSC491L or GSC 4910L. Coreq: GSC 3330L.	2	
	GSC 3000L Geochemistry Laboratory [F]	Prereq: CHM 121 or CHM 1210; and CHM 121L or CHM 1210L. Coreq: GSC 3000.	1	GSC 3330L Structural Geology Laboratory [Sp]	Prereq: MAT 1050, MAT112, MAT114, MAT 1140, MAT115, MAT 1150, or MAT116; MAT 1060, MAT112, MAT114, MAT 1140, MAT115, MAT 1150, or MAT116; and GSC111, GSC 1110, GSC141L or GSC 1410L; and GSC255L, GSC 2550L, GSC491L or GSC 4910L. Coreq: GSC 3330.	1	
	GSC 4230 Sedimentary Geology [F]	Prereq: GSC 111 or GSC 1110; GSC 141L or GSC 1410L; and GSC 325L, GSC 215L or GSC 2150L. Coreq: GSC 4230L.	2	Major Required	GE Area B5: GSC 3040 or GSC 3200 or GSC 3210/L or GSC 3350 or GSC 3500	3	
	GSC 4230L Sedimentary Geology Laboratory [F]	Prereq: GSC 111 or GSC 1110; GSC 141L or GSC 1410L; and GSC 325L, GSC 215L or GSC 2150L. Coreq: GSC 4230.	1	Emphasis Electives	Select from Curriculum Sheet	3	
	GSC 4910L Field Module Laboratory [FSp]	Prereq: GSC 255 or GSC 2550L.	1	Emphasis Electives	Select from Curriculum Sheet	3	
	Major Required	PHY 1220/L Electromagnetism, Circuits, and Light/ Laboratory or PHY 1520/L Introduction to Electromagnetism and Circuits/ Laboratory	4	GE Area C1 or GE Area C2 [FSp]	Select either C1: Visual and Performing Arts or C2: Literature, Modern Languages, Philosophy and Civilization course	3	
	GE Area D2: U.S. Constitution and California Government [FSp]		3			0	
	Semester Total Units		14	Semester Total Units		15	

	Fall		Units	Spring		Units	Comments
	Courses	Requirements/Comments		Courses	Requirements/Comments		
Year 4	Emphasis Electives	Select from Curriculum Sheet	3	Emphasis Electives	Select from Curriculum Sheet	3	
	Emphasis Electives	Select from Curriculum Sheet	3	Emphasis Electives	Select from Curriculum Sheet	3	
	Major Electives	GSC 4100 or GSC 4610 or GSC 4620 or GSC 3XXX/4XXX	2	Major Electives	GSC 4100 or GSC 4610 or GSC 4620 or GSC 3XXX/4XXX	2	
	GE Area C1: Visual and Performing Arts [FSp]		3	GE Area D4: Social Science Synthesis [FSp]		3	
	GE Area C2: Literature, Modern Languages, Philosophy and Civilization [FSp]		3	GE Area C3: Arts and Humanities Synthesis [FSp]		3	
	GE Area D1: U.S. History American Ideals [FSp]		3			0	
	<i>File an application to graduate</i>						
	Semester Total Units			17	Semester Total Units		14
Total Units						120	