

GEOLOGICAL SCIENCES - Environmental Geoscience Option
Sample Four-Year Degree Plan
Bachelor of Science Degree in Geological Sciences (total: 100 Units in the Major)

Year 1 ¹	Fall		Winter		Spring		Summer		Total
	Courses	Units	Courses	Units	Courses	Units	Courses	Units	
			GEOL 150	4	GEOL 155	4			44
	Math 104A	4	Math 104B	4	GEOL 220	4			
	HHS101	4	HIST 202B	4	WPE	0			
	ENGL 101	4	ENGL 102	4	Block A2	4			
					Math 206	4			
	Total	12	Total	16	Total	16	Total	0	

Green = GEOG/GEOL
 Red = Electives
 Brown = foundational courses

Year 2	Fall		Winter		Spring		Summer		Total
	Courses	Units	Courses	Units	Courses	Units	Courses	Units	
	GEOG 155	4	GEOG 160	4	GEOL 360	4			50
	CHEM 101	5	CHEM 102	5	GEOL 301	4			
	Block A3	4	GEOL 252	4					
	Block E	4	Block C1	4	Block C2	4			
					Block C3	4			
	Total	17	Total	17	Total	16	Total	0	

Year 3	Fall		Winter		Spring		Summer		Total
	Courses	Units	Courses	Units	Courses	Units	Courses	Units	
	GEOL 487	4	GEOG 484	4	GEOL 4xx	4			40
	GEOL 410	4	GEOL 4XX	4	Block D2	4			
	Block D1	4	GEOG 410	4	Block D3	4			
	POLS 150	4							
	Total	16	Total	12	Total	12	Total	0	

Note: years 3 and 4 may alternate
 e.g. F2012-S2013

Year 4	Fall		Winter		Spring		Summer		Total
	Courses	Units	Courses	Units	Courses	Units	Courses	Units	
	GEOL 4xx	4	GEOL 422	4	GEOL 4xx	4			46
	BIOL 300	4	GEOL 402	4	Block B1	4			
	UDTheme 1	4	UDTheme 2	4	UDTheme3	4			
	BIOL 100A	5	BIOL 100B	5					
	Total	17	Total	17	Total	12	Total	0	

Note: years 3 and 4 may alternate
 e.g. F2011-S2012

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¹ Remedial math and/or English course may be required depending on the entering student's score on standard placement tests (ELM and EPT)

² Students must complete Math 104 prior to enrolling in Math 206.

³ The Writing Proficiency Examination (WPE) must be passed prior to completion of 135 quarter units, including transferable units.

⁴ Students who have not satisfied the diversity requirement through their lower division GE should select theme courses which also satisfy the diversity requirement.

Possible Electives	Usually offered in
GEOG 369 Fundamentals of Geographic Information Sciences (4)	Fall
GEOG 402 Geomorphology	Fall
GEOG 465 Geographic Information Systems (GIS) Applications in Environmental Studies (4)	Spring
GEOG 466 Remote Sensing (4)	Fall
GEOG 468 Computer Cartography	Spring
GEOG 469 Spatial Analysis and GIS Modeling (4)	Fall
GEOL 321 Geology of Southern California (4)	Spring
GEOL 370 Geochemistry (4)	
GEOL 424 Low Temperature Geochemistry (4)	
GEOL 433 Quaternary Geology (4)	
GEOL 434 Volcanology (4)	
GEOL 435 Coastal Processes (4)	Fall
GEOL 481 Engineering Geology (4)	
GEOL 483 Photogeology (4)	
GEOL 485 Groundwater Management and Models (4)	
GEOL 486 Environmental and Engineering Geophysics (4)	
GEOL 490 Special Topics in Geology (1-4)	
GEOL 491 Special Laboratory Topics in Geology (1-3)	