

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			
	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			
	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			
	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			
	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

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)	

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