



**California State Polytechnic University, Pomona  
Degree Curriculum Sheet**

Plan (Major) GEOLOGY  
Subplan/Option \_\_\_\_\_

Catalog Year 2009-2010 Name \_\_\_\_\_  
Minimum Units Required 180 Student ID \_\_\_\_\_

Evaluator \_\_\_\_\_  
GWT Satisfied \_\_\_\_\_ Yes \_\_\_\_\_ No \_\_\_\_\_

Required Core Courses		
Course		Units
Principles of Geology	GSC 111	4
Earth, Time and Life	GSC 112	3
Principles of Geology Lab	GSC 141L	1
Megascopic Petrography	GSC 145L	1
Earth, Time and Life Lab	GSC 151L	1
Mineralogy	GSC 215	3
Mineralogy Laboratory	GSC 215L	1
Field Methods	GSC 255/255L	1/3
Introduction to Geochemistry	GSC 300/300L	3/1
GIS Applications for Earth Scientists	GSC 310/310L	1/2
Geomorphology	GSC 323/323L	3/1
Optical Mineralogy	GSC 325/325L	2/2
Invertebrate Paleontology	GSC 331/331L	3/1
Groundwater Geology	GSC 360/360L	3/1
Structural Geology	GSC 333/333L	3/1
Engineering Geology I	GSC 321/321L	3/1
or Engineering Geology II	GSC 415/415L	(3/1)
Sedimentary Geology	GSC 423/423L	3/2
Igneous & Metamorphic Petrology	GSC 424	3
Igneous & Metamorphic Petrology Lab	GSC 425L	2
Ore Deposits	GSC 433/433L	3/1
or Geotectonics & Lab	GSC 444/444L	(3/1)
Senior Thesis	GSC 461	2
Senior Thesis	GSC 462	2
Senior Seminar	GSC 463	2
Summer Field Geology	GSC 490L	8
or Field Module	GSC 491L	(8)
<b>Total Units</b>		<b>77</b>

Required Support Courses			
Course			Units
General Chemistry	CHM 122/122L		3/1
General Chemistry	CHM 123/123L		3/1
Analytic Geom & Calc	MAT 115		4
Analytic Geom & Calc	MAT 116		4
General Physics/Lab	PHY 131/131L		3/1
General Physics/Lab	PHY 132/132L		3/1
General Physics/Lab	PHY 133/133L		3/1
Calculus I (B4)	MAT 114		4
General Chemistry/Lab (B1, B3)	CHM 121/121L		4
Life Science/Lab (B2, B3)	BIO 110/111L		3/1
or Basic Biology/Lab (B2, B3)	BIO 115/BIO L		(3/2)
Natural Disasters (B5)	GSC 350		4
<b>Total Units</b>			<b>44-45</b>

Unrestricted Electives	
Course	Units
Unrestricted Electives	0-7
Select a sufficient number of courses so that the total from "Required Support", "GE", and "Unrestricted Electives" is at least 103 units.	
<b>Total Units</b>	<b>0-7</b>

General Education Requirements	
Area	Units
<b>Area A Communication &amp; Critical Thinking</b>	<b>12</b>
1 Oral Communication	
2 Written Communication	
3 Critical Thinking	
<b>Area B Mathematics &amp; Natural Sciences</b>	<b>16</b>
<i>Select at least one lab course from sub-area 1 or 2.</i>	
1 Physical Science	
2 Biological Science	
3 Laboratory Activity	
4 Math/Quantitative Reasoning	
5 Science & Technology Synthesis	
<b>Area C Humanities</b>	<b>16</b>
1 Visual and Performing Arts	
2 Philosophy and Civilization	
3 Literature and Foreign Language	
4 Humanities Synthesis	
<b>Area D Social Sciences</b>	<b>20</b>
1 U.S. History, Constitution, American Ideals	
2 History, Economics and Political Science	
3 Sociology, Anthropology, Ethnic & Gender Studies	
4 Social Science Synthesis	
<b>Area E Lifelong Understanding &amp; Self Development</b>	<b>4</b>
<b>Total Units</b>	<b>68</b>

American Institutions	Units
Courses that satisfy this requirement may also satisfy G.E. Area D1	8

American Cultural Perspectives Requirement	Units
Refer to catalog for list of courses that satisfy this requirement. Course may also satisfy major, minor, GE, or unrestricted elective requirements.	4

The following required support courses should be taken to satisfy the indicated GE Requirements to achieve the minimum units to degree listed at the top of this sheet.

Course	GE Area
General Chemistry/Lab	CHM 121/121L B1, B3
Life Science/Lab	BIO 110/110L B2, B3
or Basic Biology/Lab	BIO 115/BIO L (B2, B3)
Calculus I	MAT 114 B4
Natural Disasters	GSC 350 B5

The remaining GE requirements may be satisfied by any course approved for that area.

No more than 105 community college quarter units or 36 extension credit quarter units may be applied toward a Bachelor's degree.  
A minimum 2.0 cumulative GPA is required in core (including option) courses, Cal Poly Pomona courses, and overall work completed in order to receive a degree in this major.