



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

Plan (Major) **GEOLOGY**
Subplan/Option _____

Catalog Year **2010-2011**
Minimum Units Required **180**

Name _____
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 or Engineering Geology II	GSC 321/321L GSC 415/415L	3/1 (3/1)
Sedimentary Geology	GSC 423/423L	3/2
Igneous & Metamorphic Petrology	GSC 424	3
Igneous & Metamorphic Petrology Lab	GSC 425L	2
Ore Deposits or Geotectonics & Lab	GSC 433/433L GSC 444/444L	3/1 (3/1)
Senior Thesis	GSC 461	2
Senior Thesis	GSC 462	2
Senior Seminar	GSC 463	2
Summer Field Geology or Field Module	GSC 490L GSC 491L	8 (8)
Total Units		77

Required Support Courses			
Course			Units
Life Science/Lab (B2, B3) or Basic Biology/Lab (B2, B3)	BIO 110/111L BIO 115/115A/115 L	3/1 (3/1/1)	
General Chemistry/Lab (B1, B3)	CHM 121/121L	4	
General Chemistry	CHM 122/122L	3/1	
General Chemistry	CHM 123/123L	3/1	
Natural Disasters (B5)	GSC 350	4	
Calculus I (B4)	MAT 114	4	
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	
Total Units			44-45

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.	
Total Units	0-7

General Education Requirements	
Area	Units
Area A Communication & Critical Thinking	12
1 Oral Communication	
2 Written Communication	
3 Critical Thinking	
Area B Mathematics & Natural Sciences	16
<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	
Area C Humanities	16
1 Visual and Performing Arts	
2 Philosophy and Civilization	
3 Literature and Foreign Language	
4 Humanities Synthesis	
Area D Social Sciences	20
1 U.S. History, Constitution, American Ideals	
2 History, Economics and Political Science	
3 Sociology, Anthropology, Ethnic & Gender Studies	
4 Social Science Synthesis	
Area E Lifelong Understanding & Self Development	4
Total Units	68

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 115/115A/115L	(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.