

**BS EARTH SCIENCES**

2009-2011

updated 03/06/09

Units Required 180

NAME \_\_\_\_\_  
 STUDENT ID \_\_\_\_\_  
 CONCENTRATION \_\_\_\_\_  
 MINOR \_\_\_\_\_

Major GPA at least 2.00 \_\_\_\_\_ [ ] YES [ ] NO  
 US Cultural Pluralism Met++ [ ] YES [ ] NO  
 60 Units Upper Division Met Taken/Remaining [ ] YES [ ] NO  
 GWR Met [ ] YES [ ] NO  
 Upper Div GE Met Taken/Remaining [ ] YES [ ] NO  
 Free Electives Met [ ] YES [ ] NO

DEGREE DATE	Earned Hours	Quality Hours	Quality Points	GPA
Transfer				
Cal Poly				
Transcript Totals				
			<= Units NOT Degree Applicable	
			<= Degree Applicable Units	

\*=Courses satisfy GE requirement

Note: No major, support, or conc. courses may be taken as credit/no credit.

MAJOR COURSES (124-125)	Units	Grade	GrdPts
ASTR 101 Intro to the Solar System	4		
BOT 121 General Botany (B2 & B4)*	4		
BOT 326 Plant Ecology	4		
BRAE 237 Intro to Engineering Surveying	2		
CHEM 127 General Chem I (B3/B4)*	4		
CHEM 128 General Chem II (B3/B4)*	4		
ERSC 144 Intro to Earth Systems	4		
ERSC/GEOG 250 Phys Geography	4		
ERSC/GEOG 333 Human Impact Earth	4		
ERSC/GEOG 414 Global/Region Climat	4		
ERSC/SS 110 Orient Earth & Soil Sci	1		
ERSC 223 Rocks & Minerals	4		
ERSC 323 Geomorphology	4		
ERSC/SS 461 Senior Project I	1		
ERSC/SS 462 Senior Project II	3		
GEOG 318 Applications in GIS	4		
GEOG 328 Apps in Remote Sensing	4		
GEOL 201 Physical Geology	3		
GEOL 241 Physical Geology Lab	1		
GEOL 415 Structural Geology	4		
PSC 201 Intro to Physical Oceano	4		
SS 121 Intro Soil Science	4		
SS 321 Soil Morphology	4		
STAT 218 Applied Stats/Life Sci (B1)*	4		
Concentration courses (see reverse; 4 units B1)*	41-42		
<b>GPA Total from Major</b>			
<b>GPA Total from Concentration</b>			
<b>GPA Total</b>			

**GENERAL EDUCATION (GE)**

**56**

72 units required; 16 of which are specified in Major.

→ Minimum of 12 units required at the 300-400 level.

**Area A Communication**

**12**

A1 ENGL 133/134 ..... 4

A2 COMS 101/102 ..... 4

A3 Reasoning, Argumentation, and Writing..... 4

**Area B Science and Mathematics** (in Major/Support)

**0**

**Area C Arts and Humanities**

**20**

C1 Literature ..... 4

C2 Philosophy: PHIL 230/231 ..... 4

C3 Fine/Performing Arts ..... 4

C4 Upper-division elective ..... 4

C1-C4 Elective ..... 4

**Area D/E Society and the Individual**

**20**

D1 American Experience (40404) ..... 4

D2 Political Economy ..... 4

D3 Comp Social Institutions ..... 4

D4 Self Develop (CSU Area E) ..... 4

D5 Upper-division elective ..... 4

**Area F Technology** (upper div)

**4**

**Additional GE Units Required**

O = Work in progress	@ = possible credit by Department review
( ) = not allowed for degree credit	# = GE Certification

**ELECTIVES** ..... **0**

**CONCENTRATIONS (select one):**

<b>Climate Change Studies Conc. (41-42)</b>	<i>Units</i>	<i>Grade</i>	<i>GrdPts</i>
ERSC 463 Undergrad Seminar .....	2		
ERSC/GEOG 325 Climate & Humanity ...	4		
GEOG 415 App Meteorol/Climatol.....	4		
MATH 118 Pre-Calculus Algebra (B1)*...	4		
MATH 119 Pre-Calculus Trigonometry....	4		
PHYS 121 College Physics I.....	4		
SOC 218 Int Political Econ.....	4		
UNIV 350 Global Envir.....	4		
Energy/Sustain: BRAE 348 <i>or</i> PSC 320 ...	4		
Restricted electives .....	7-8		
<sup>1</sup> Choose from: CRP 438, 375, CRP/FNR 404; EDES 406; ENVE 324; GEOG 301, 440; PHIL 340			
<b>GPA TOTALS .....</b>			

<b>Environment Interpretation &amp; Assessment Concentration (41)</b>	<i>Units</i>	<i>Grade</i>	<i>GrdPts</i>
CRP 420 Land Use Law .....	4		
ERSC 202 Soil Erosion & Water Conserv	4		
ERSC/GEOG 325 Climate & Humanity ...	4		
ERSC/SS 463 Undergraduate Seminar.....	2		
GEOG 301 Geog of Res Util.....	4		
MATH 118 Pre-Calculus Algebra (B1)*...	4		
MATH 119 Pre-Calculus Trigonometry ...	4		
PHYS 121 College Physics I .....	4		
Restricted electives .....	11		
<b>GPA TOTALS .....</b>			

<b>Geosciences Teaching Conc. (41-42)</b>	<i>Units</i>	<i>Grade</i>	<i>GrdPts</i>
ASTR 102 Intro to the Stars & Galaxies ...	4		
BIO 113 Animal Diversity & Ecology .....	4		
EDUC 300 Intro to Teaching Profession...	3		
GEOG 301 Geog of Resource Util.....	4		
ERSC/GEOG 325 Climate & Humanity ...	4		
GEOL 203 Fossils & the History of Life...	4		
GEOL 204 Geologic History of Cali .....	3		
MATH 118 Pre-Calculus Algebra .....	4		
MATH 119 Pre-Calculus Trigonometry....	4		
PHYS 121 College Physics I.....	4		
PSC 424 <i>or</i> EDUC 480.....	4/3		
<b>GPA TOTALS .....</b>			

<b>Land &amp; Water Resources Conc. (41)</b>	<i>Units</i>	<i>Grade</i>	<i>GrdPts</i>
ERSC 202 Soil Erosion & Water Conser...	4		
ERSC 463 Undergraduate Seminar.....	2		
BRAE 415 Hydrology.....	4		
CHEM 129 General Chemistry .....	4		
MATH 141 Calculus I (B1)* .....	4		
MATH 142 Calculus II (B1)* .....	4		
PHYS 141 General Physics IA .....	4		
PHYS 132 General Physics II.....	4		
Restricted electives (minimum 6 units at 300-400 level.....)	11		
<b>GPA TOTALS.....</b>			

<b>Individualized Course of Study (41)</b>	<i>Units</i>	<i>Grade</i>	<i>GrdPts</i>
ERSC 463 Undergraduate Seminar.....	2		
MATH 118 Pre-Calculus Algebra (B1)* ..	4		
MATH 119 Pre-Calculus Trigonometry ...	4		
PHYS 121 College Physics I.....	4		
Restricted electives (minimum 10 units at 300-400 level).....	27		
<b>GPA TOTALS.....</b>			

<sup>1</sup>Note: CRP 438 or ENVE 324 recommended