

SAMPLE FOUR, FIVE AND SIX CURRICULA INTEGRATED EARTH STUDIES MAJOR

Four, five and six year sample curricula are provided to assist first time freshman and transfer students in a timely and efficient progression through your selected major within the Geological Sciences Department. Because each person is unique and has a unique background, these quarterly guidelines should be regarded as suggestions. These programs of study assume entering first time freshman come math and English-ready for college-level work. These programs of study assume students can devote the majority of their time to academics. Majors may elect to take a wide variety of support and general education classes during the Cal Poly Pomona summer session. By taking summer quarter courses, an undergraduate's time to degree completion may be accelerated or the load of academic year classes can be alleviated.

First time freshman are given a quarter by quarter road map for completing their Bachelor's of Science degree. Transfer students frequently arrive with much or all of their general education and support classes completed. Transfer students may find these programs helpful for determining what courses have been completed and what courses are offered in which quarter.

GEOLOGICAL SCIENCES
 B. S. INTEGRATED EARTH STUDIES: 180 UNITS
 FOUR YEAR MATRICULATION PLAN

FRESHMAN YEAR

FALL QUARTER	UNITS	WINTER QUARTER	UNITS	SPRING QUARTER	UNITS
ENG 104, Fresman English	4	Gen. Ed. Area A/2, Oral Cummunication	4	BIO 110/111L or BIO 115/115L, Life Sci (5)	4
GSC 111/141L, Principles of Geol & Lab	5	GSC 112/151L, Earth, Time & Life	4	CHM 121/121L, General Chemistry	4
MAT 105, College Algebra	4	MAT 106, Trignometry	4	Free elective	3
				GSC 145L, Megascopic Petrography	1
Total Units	13	Total Units	12	Total Units	12

SOPHOMORE YEAR

FALL QUARTER	UNITS	WINTER QUARTER	UNITS	SPRING QUARTER	UNITS
CHM 122/122L, General Chemistry	4	CHM 123/123L, General Chemistry	4	GSC 310/310L, GIS Apps for Earth Sci	3
GSC 215/215L	4	Free Elective	4	GSC 116, Astronomy	4
PLS 201, Intro to Amer. Gov	4	GSC 300/300L, Geochemistry	4	PHY 121/121L, College Physics	4
		HST 202, U. S. History	4	SS 231/231L, Soil Science	4
Total Units	12	Total Units	16	Total Units	15

JUNIOR YEAR

FALL QUARTER	UNITS	WINTER QUARTER	UNITS	SPRING QUARTER	UNITS
GEO 240/240A, Geographic Info. Systems	4	GEO 442/442A, GIS II	4	GSC 320, Studies of a Blue Planet	4
GEO 351, California Geography	4	Gen Ed. Area C/1, Fine Arts	4	Gen Ed. Area C/2, Philosphy & Civilization	4
GSC 323/323L, Geomorphology	4	GSC 360/360L, Groundwater Geology	4	Gen Ed. Area D/2, Hist., Econ, P. Sci	4
PHY 122/122L, College Physics	4	PHY 123/123L, College Physics	4	GEO 443/443A, GIS III	4
Total Units	16	Total Units	16	Total Units	16

SENIOR YEAR

FALL QUARTER	UNITS	WINTER QUARTER	UNITS	SPRING QUARTER	UNITS
BIO 304, Env & Society	4	GSC 304, Meteorology	4	Gen Ed. Area D/4, Soc. Sci Synthesis	4
Gen Ed. Area C/3, Literature & Language	4	Free elective	4	Gen Ed. Area E	4
Gen Ed. Area D/3, Sociology, etc.	4	Gen Ed. Area C/4, Humanities Synthesis	4	GEO 309, Field Geography	4
GSC 335, Exploring the Oceans: Oceanog.	4	GSC 350, Natural Disasters	4	GSC 321/321L, Engineering Geology I	4
Total Units	16	Total Units	16	Total Units	16

GEOLOGICAL SCIENCES
B. S. INTEGRATED EARTH STUDIES: 180 UNITS
FIVE YEAR MATRICULATION PLAN

FRESHMAN YEAR

FALL QUARTER	UNITS	WINTER QUARTER	UNITS	SPRING QUARTER	UNITS
ENG 104, Fresman English	4	GSC 112/151L, Earth, Time & Life	4	CHM 121/121L, General Chemistry	4
GSC 111/141L, Principles of Geol & Lab	5	Gen. Ed. Area A/2, Oral Cummunication	4	Free elective	3
MAT 105, College Algebra	4	MAT 106, Trigonometry	4	Gen Ed. Area A/3, Critical Thinking	4
				GSC 145L, Megascopic Petrography	1
Total Units	13	Total Units	12	Total Units	12

SOPHOMORE YEAR

FALL QUARTER	UNITS	WINTER QUARTER	UNITS	SPRING QUARTER	UNITS
CHM 122/122L, General Chemistry	4	CHM 123/123L, General Chemistry	4	BIO 110/111L or BIO 115/115L, Life Sci (5)	4
GSC 215/215L	4	GSC 300/300L, Geochemistry	4	GSC 116, Astronomy	4
PLS 201, Intro to Amer. Gov	4	HST 202, U. S. History	4	GSC 310/310L, GIS Apps for Earth Sci	3
Total Units	12	Total Units	12	Total Units	11

JUNIOR YEAR

FALL QUARTER	UNITS	WINTER QUARTER	UNITS	SPRING QUARTER	UNITS
GEO 240/240A, Geographic Infor. Systems	4	GEO 442/442A, GIS II	4	GEO 443/443A, GIS III	4
GSC 323/323L, Geomorphology	4	PHY 122/122L, College Physics	4	GSC 320, Studies of a Blue Planet	4
PHY 121/121L, College Physics	4	SS 231/231L, Soil Science	4	PHY 123/123L, College Physics	4
Total Units	12	Total Units	12	Total Units	12

SENIOR YEAR

FALL QUARTER	UNITS	WINTER QUARTER	UNITS	SPRING QUARTER	UNITS
Free Elective	4	GSC 304, Meteorology	4	Gen Ed. Area C/2, Philosphy & Civilization	4
Gen Ed. Area C/1, Fine Arts	4	Gen Ed. Area D/2, Hist., Econ, P. Sci	4	GSC 321/321L, Engineering Geology I	4
GSC 335, Exploring the Oceans: Oceanog.	4	GEO 351, California Geography	4	GSC 350, Natural Disasters	4
Total Units	12	Total Units	12	Total Units	12

YEAR FIVE

FALL QUARTER	UNITS	WINTER QUARTER	UNITS	SPRING QUARTER	UNITS
BIO 304, Env & Society	4	GSC 360/360L, Groundwater Geology	4	Gen Ed. Area D/4, Soc. Sci Synthesis	4
Gen Ed. Area C/3, Literature & Language	4	Free Elective	4	Gen Ed. Area E	4
Gen Ed. Area D/3, Sociology, etc.	4	Gen Ed. Area C/4, Humanities Synthesis	4	GEO 309, Field Geography	4
Total Units	12	Total Units	12	Total Units	12

GEOLOGICAL SCIENCES
B. S. INTEGRATED EARTH STUDIES: 180 UNITS
SIX YEAR MATRICULATION PLAN

FRESHMAN YEAR

FALL QUARTER		UNITS	WINTER QUARTER		UNITS	SPRING QUARTER		UNITS
ENG 104, Fresman English	4		Earth, Time & Life, GSC 112/151L	4		GSC 145L, Megascopic Petrography	1	
GSC 111/141L, Principles of Geol & Lab	5		Gen. Ed. Area A/2, Oral Cummmunication	4		CHM 121/121L, General Chemistry	4	
MAT 105, College Algebra	4		MAT 106, Trigonometry	4		Gen Ed. Area A/3, Critical Thinking	4	
Total Units		13	Total Units		12	Total Units		9

SOPHOMORE YEAR

FALL QUARTER		UNITS	WINTER QUARTER		UNITS	SPRING QUARTER		UNITS
CHM 122/122L, General Chemistry	4		CHM 123/123L, General Chemistry	4		GSC 116, Astronomy	4	
Free elective	3		GSC 300/300L, Geochemistry	4		BIO 110/111L or BIO 115/115L, Life Sci (5)	4	
GSC 215/215L	4					GSC 310/310L, GIS Apps for Earth Sci	3	
Total Units		11	Total Units		8	Total Units		11

JUNIOR YEAR

FALL QUARTER		UNITS	WINTER QUARTER		UNITS	SPRING QUARTER		UNITS
GEO 240/240A, Geographic Infor. Systems	4		GEO 442/442A, GIS II	4		GEO 443/443A, GIS III	4	
GSC 323/323L, Geomorphology	4		PHY 122/122L, College Physics	4		GSC 320, Studies of a Blue Planet	4	
PHY 121/121L, College Physics	4					PHY 123/123L, College Physics	4	
Total Units		12	Total Units		8	Total Units		12

SENIOR YEAR

FALL QUARTER		UNITS	WINTER QUARTER		UNITS	SPRING QUARTER		UNITS
GSC 335, Exploring the Oceans: Oceanog.	4		GSC 304, Meteorology	4		Gen Ed. Area C/1, Fine Arts	4	
PLS 201, Intro to Amer. Gov	4		HST 202, U. S. History	4		GEO 309, Field Geography	4	
Free elective	4		SS 231/231L, Soil Science	4		GSC 350, Natural Disasters	4	
Total Units		12	Total Units		12	Total Units		12

YEAR FIVE

FALL QUARTER		UNITS	WINTER QUARTER		UNITS	SPRING QUARTER		UNITS
BIO 304, Env & Society	4		Gen Ed. Area C/2, Philosphy & Civilization	4		Gen Ed. Area D/2, Hist., Econ, P. Sci	4	
GEO 351, California Geography	4		GSC 360/360L, Groundwater Geology	4		GSC 321/321L, Engineering Geology I	4	
Total Units		8	Total Units		8	Total Units		8

YEAR SIX

FALL QUARTER		UNITS	WINTER QUARTER		UNITS	SPRING QUARTER		UNITS
Gen Ed. Area C/3, Literature & Language	4		Gen Ed. Area C/4, Humanities Synthesis	4		Gen Ed. Area D/4, Soc. Sci Synthesis	4	
Gen Ed. Area D/3, Sociology, etc.	4		Free elective	4		Gen Ed. Area E	4	
Total Units		8	Total Units		8	Total Units		8