

Sample Program--- B.A. in Environmental Science
Concentration in Geosciences Education with Secondary Teaching Certification

FRESHMAN		Units	Winter		Units	Spring		Units
Fall			Winter			Spring		
Chemistry 1A	4		Math 2A	4		Stats 7	4	
EarthSS 1	4		Chemistry 1B	4		Chemistry 1C, 1LC	6	
Gen. Ed.	4		Physics 20A	4		Gen. Ed.	4	
P.S. 5: Intro to Sci/Math Teaching	3							
	15			12			14	
SOPHOMORE			Winter			Spring		
Fall			Winter			Spring		
EarthSS 60A	4		EarthSS 60B	4		EarthSS 60C	4	
P.S. 105: Middle School Sci/Math Teaching	3		Chem/Physics 193: Research Methods	4		History 60/LPS 60: Making of Modern Science **	4	
Chem 1LD	2		Gen. Ed.	4		Approved elective	4	
Sociology 1	4							
	13			12			12	
JUNIOR			Winter			Spring		
Fall			Winter			Spring		
Bio Sci 93	4		Bio Sci 94	4		EarthSS 114	4	
EarthSS 116	4		Approved elective	4		EarthSS 182	4	
Educ 55: Know & Learn Sci/Math	5		Educ 143AW: Classroom Interactions I	4		Educ 148: Complex Pedagogical Design	6	
EarthSS 140	4		EarthSS 180	4				
	17			16			14	
SENIOR			Winter			Spring		
Fall			Winter			Spring		
EarthSS 192	1		Gen. Ed.	4		Gen. Ed.	4	
Approved elective	4		Educ 109: Read & Writing in Sec. Classroom	4		Approved elective	4	
Educ 143BW: Classroom Interactions II (I-UDW/VII)	4		Educ 158: Student Teaching in Math & Science	6		Education 158: Student Teaching in Math & Science	6	
Approved elective	4							
	13			14			14	

**Also offered during Winter quarter

Cal Teach Courses

- **PS 5/BS 14** Intro to Science & Math Teaching (F,W,S)-
Fieldwork
- **PS 105/BS 101** Middle School Teaching (F,W)- Fieldwork
- **Chem 193/Physics 193/BS 108** Research Methods (W)
- **LPS 60/Hist 60** Making of Modern Science (science majors only W, S, Summer)

- **Math 8** (math majors only, S, summer)

- **ED 55** Knowing and Learning (F)

- **ED 143AW** Classroom Interactions I (W, ED 55 prereq)-
Fieldwork

- **ED 148** Complex Pedagogical Design (S, ED 143AW
prereq)-Fieldwork

- **ED 143BW** Classroom Interactions II (F, ED 148 prereq)-
Fieldwork

- **ED 109** Reading & Writing in Sec. Classroom (W, ED 148
prereq)

- **ED 158** Student Teaching I (W, ED 109 coreq, ED 143BW
prereq)- Fieldwork

- **ED 158** Student Teaching II (S, ED 158 I prereq)- Fieldwork