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B.S. CHEMISTRY: Geochemistry Concentration

SAMPLE SCHEDULE	HOURS	MILESTONES
TERM 1		**TERM 1**
CHEM 151 Chemical Prin. I (Lec); 3 CR		Also Consider for Freshman Year:
CHEM 161 Chemical Prin. I Lab; 1 CR		ENG 111- Writing II
MATH 171 Precalculus; 4 CR		Inquiry Seminar
ES 150 Physical Geology; 4 CR		First Year Values Flag Course
TOTAL HOURS		
TERM 2		**TERM 2**
CHEM 152 Chemical Prin. II (Lec); 3 CR		
CHEM 162 Chemical Prin. II Lab; 1 CR		
MATH 270 Calculus I; 4 CR		
TOTAL HOURS		
TERM 3		**TERM 3**
CHEM 251 Organic Chemistry I (Lec); 3 CR		Also Consider for Sophomore Year:
CHEM 261 Organic Chemistry I Lab; 1 CR ‡		Liberal Knowledge Gen. Ed. requirements
MATH 271 Calculus II; 4 CR		Health and/or Personal Performance
PH 251 General Physics I; 4 CR		Second Values Flag Course
ES 255 Geomorphology; 4 CR (either Fall or Spring)		
TOTAL HOURS		
TERM 4		**TERM 4**
CHEM 252 Organic Chemistry II (Lec); 3 CR		
CHEM 262 Organic Chemistry II Lab; 1 CR ‡		
CHEM 265 Inorganic Chemistry I (Lec); 3 CR		
CHEM 266 Inorganic Chemistry I Lab; 1 CR		
PH 252 General Physics II; 4 CR		
TOTAL HOURS		
TERM 5		**TERM 5**
CHEM 353 Analytical Chemistry I (Lec); 3 CR		Also Consider for Junior Year:
CHEM 363 Analytical Chemistry I Lab; 1 CR ‡		Liberal Knowledge Gen. Ed. requirements
CHEM 366 Inorganic Chemistry II (Lec); 3 CR		If relevant, satisfy pre-requisites for graduate/
CHEM 367 Inorganic Chemistry II Lab; 1 CR		professional school.
TOTAL HOURS		

TERM 6		**TERM 6**
CHEM 358 Analytical Chemistry II (Lec); 3 CR		
CHEM 368 Analytical Chemistry II Lab; 1 CR ‡		
ES 370 Petrology; 4 CR		
TOTAL HOURS		
TERM 7		**TERM 7**
CHEM 354 Physical Chemistry I (Lec); 3 CR		Also Consider for Senior Year:
CHEM 364 Physical Chemistry I Lab; 1 CR		Complete Gen. Eds
ES 330 Hydrogeology w/ Lab; 4 CR		Complete ≥120 credits
TOTAL HOURS		
TERM 8		**TERM 8**
CHEM 470 Chemistry Seminar; 3 CR		
ES 350 Structural Geology; 4 CR **OR** ES 390 Strat. And Sed. Petrology; 4 CR		
TOTAL HOURS		

**ACS Certification requires at least 6 semester hours of advanced courses that include sufficient laboratory work to bring the total laboratory hours to 400 (9 lab courses beyond Chem. Prin. as designated* with ‡, each lab = 45 hrs)*; which requires BCHM 463 and either of the following courses in addition to the courses listed above: CHEM 461 and/or CHEM 465/466.*