

# Sample Schedule BS in Chemistry with Analytical and Environmental Concentration

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## Freshman Year (29 cr)

### Semester 1 (14)

CHEM 211 General Chemistry I (4)  
MATH 113 Anal. Geom. & Calc. I (4)  
HIST 100 Western Civilization (3)  
ENGL 101 Composition (3)

### Semester 2 (15)

CHEM 212 General Chemistry II (4)  
MATH 114 Anal. Geom. & Calc. II (4)  
GEOL 101 (4)  
COMM 101 Oral Communication (3)

## Sophomore Year (31 cr)

### Semester 3 (15)

CHEM 313 Organic Chemistry I (3)  
CHEM 315 Organic Chemistry Lab I (2)  
PHYS 160 University Physics I (3)  
PHYS 161 University Physics Lab I (1)  
MATH 213 Anal. Geom. & Calc. III (3)  
GEOL 309 (3)

### Semester 4 (16)

CHEM 314 Organic Chemistry II (3)  
CHEM 318 Organic Chemistry II (2)  
PHYS 260 University Physics II (3)  
PHYS 261 University Physics Lab II (1)  
IT 103 Introduction to Computing (3)  
CHEM 321 Elementary Quant. Anal. (4)

## Junior Year (32 cr)

### Semester 5 (15)

CHEM 331 Physical Chemistry I (3)  
CHEM 336 Physical Chemistry Lab I (2)  
CHEM 463 General Biochemistry I (4)  
CHEM 427 Aquatic Environ. Chem (3)  
Social and Behavioral Sciences (3)

### Semester 6 (17)

CHEM 332 Physical Chemistry II (3)  
CHEM 337 Physical Chemistry Lab II (2)  
Fine Arts (3)  
Elective (3)  
ENGL 302 Advanced Composition (3)  
Literature (3)

## Senior Year (28 cr)

### Semester 5 (15)

CHEM 441 Prop./Bond. Inorg. Comp. (3)  
CHEM 422 Instrumental Analysis (3)  
CHEM 438 Atmospheric Chemistry (3)  
Global Understanding (3)  
Electives (3)

### Semester 6 (13)

CHEM Lab: 445 or 465 (2)  
CHEM 423 Instrumental Anal. Lab (2)  
Synthesis (3)  
Elective (6)