

## **Bachelor of Science (B.S.) Major in Chemistry**

### Suggested Sequence of Chemistry, Math, and Physics Courses:

*Students NOT placing in Math 118 or higher cannot start the Chemistry sequence until Math 117 is completed with a grade of C- or better. Such students are advised to enroll in first-year Chemistry courses in the summer sessions (after meeting the math requirement) in order to complete the major in four years.*

#### **First Year**

##### **Fall Semester**

Chemistry 105 \_\_\_\_\_  
Math 161 \_\_\_\_\_

##### **Spring Semester**

Chemistry 106 \_\_\_\_\_  
Math 162 \_\_\_\_\_

#### **Sophomore Year**

##### **Fall Semester**

Chemistry 221 \_\_\_\_\_  
Physics 121 \_\_\_\_\_  
Physics 111L \_\_\_\_\_  
Statistics 203 \_\_\_\_\_

##### **Spring Semester**

Chemistry 212 \_\_\_\_\_  
Chemistry 214 \_\_\_\_\_  
Chemistry 222 \_\_\_\_\_  
Physics 122 \_\_\_\_\_  
Physics 112L \_\_\_\_\_

#### **Junior Year**

##### **Fall Semester**

Chemistry 301 \_\_\_\_\_  
Chemistry 370 \_\_\_\_\_

##### **Spring Semester**

Chemistry 302 \_\_\_\_\_  
Chemistry 303 \_\_\_\_\_  
Chemistry 314\*\* \_\_\_\_\_

#### **Senior Year**

##### **Fall Semester**

Chemistry 340 \_\_\_\_\_  
Chemistry Elective\* \_\_\_\_\_

##### **Spring Semester**

Chemistry 341 \_\_\_\_\_  
Chemistry Elective\* \_\_\_\_\_

#### **\*\*Capstone Course: Chemistry 314 for Junior or Senior year**

Chemistry 300 (Undergraduate Research) and Chemistry 380 (Seminar) are strongly recommended and required to receive Departmental Honors with graduation. Credit hours earned in Chemistry 300 and/or Chemistry 380 do not count as elective hours satisfying the CHEM-BS degree requirement. CHEM 361 does not count towards the CHEM-BS degree.

#### **\*Two Chemistry Electives are required:**

You can choose from any of these Chemistry Electives:  
**CHEM 323, 365, 388, 395, 396**

**(This is information that is on the backside of B.S. Major in Chemistry)**

**CHEM-BS Advanced Coursework**

<b>Course #</b>	<b>Course Title</b>	<b>Credits</b>
Chem 301	Physical Chemistry I (Chem Majors only)	3
Chem 302	Physical Chemistry II (Chem Majors only)	3
Chem 303	Physical Chemistry Laboratory (Chem Majors only)	2
Chem 314	Instrumental Analysis Lecture and Lab (Chem Majors only)	4
Chem 340	Advanced Inorganic Chemistry (for Chem Majors)	3
Chem 341	Advanced Inorganic Laboratory (for Chem Majors)	1
Chem 370	Biochemistry I (for Biochem and Chem majors)	3

**Chemistry Electives**

Chem 323	Medicinal Chemistry	3
Chem 365	Proteomics	3
Chem 388	Biophysical Chemistry	3
Chem 395	Special Topics – Chemistry	3
Chem 396	Special Topics – Biochemistry	3