

**The American Chemical Society (ACS)-Approved B.S. Degree in Chemistry:
Biochemistry Option**

(note: core & elective courses are not listed)

Fall

Freshman

Spring

- **General Chemistry I Recitation: CHEM 1311**
- **General Chemistry I: CHEM 1321**
- **General Chemistry Lab I: CHEM 1331**
- **Introductory Biology I: BISC 1403**
- **Introductory Biology Lab I: BISC 1413**
- **Calculus 1: MATH 1206**
- **General Chemistry II Recitation: CHEM 1312**
- **General Chemistry II: CHEM 1322**
- **General Chemistry Lab II: CHEM 1332**
- **Introductory Biology II: BISC 1404**
- **Introductory Biology Lab II: BISC 1414**
- **Calculus 2: MATH 1207**

Sophomore

- **Organic Chemistry I Recitation: CHEM 2511**
- **Organic Chemistry I: CHEM 2521**
- **Organic Lab I for Chem Majors: CHEM 2531**
- **Physics I: PHYS 1701**
- **Physics I Lab: PHYS 1511**
- **Organic Chemistry II Recitation: CHEM 2512**
- **Organic Chemistry II: CHEM 2522**
- **Organic Lab II for Chem Majors: CHEM 2532**
- **Physics II: PHYS 1702**
- **Physics II Lab: PHYS 1512**

Junior

- **Physical Chemistry I: CHEM 3621**
- **Physical Chemistry Lab I: CHEM 3631**
- **Quantitative Analysis: CHEM 3721**
- **(EP3) Methods of Chem Research: CHEM 3141 (others by Dept. permission)**
- ***Seminar & Research 1: CHEM3031**
- **Physical Chemistry II: CHEM 3622**
- **Physical Chemistry Lab II: CHEM 3632**
- **Instrumental Analysis: CHEM 3722**
- ***Seminar & Research 2: CHEM3032**

Senior

- **Biochemistry I: CHEM4221**
- **Biochemistry Lab: CHEM 4231**
- **Inorganic Chemistry: CHEM 4422**
- **Inorganic Chemistry Lab: CHEM 4432**
- ***Seminar & Research 3: CHEM 4031**
- **Biochemistry II: CHEM 4222**
- **CHEM Dept. Biochem Elective (required) [CHEM 4241 or 4621 or 4625; other courses ONLY by permission of Dept.]**
- ***Seminar & Research 4: CHEM 4032**

*The Seminar and Research course is taken in addition to the standard four course sequence in the Junior and Senior Year.