BS – Biochemistry with a minor in biology  
(SC-BS/BCHM/BIO)  
2019 Catalog year: College of Science and Engineering

**Core and Minor Requirements**

**Freshman Fall semester**
- PHYS 1430 (F,S)  
  Mechanics
- MATH 2471 (F,S,Su)  
  Calculus I
- BIO 1330 (F,S)  
  Functional Biology
  
  **Freshman Spring semester**
- MATH 2472 (F,S,Su)  
  Calculus II
- BIO 1331 (F,S)  
  Organismal Biology
  
  **Sophomore Fall semester**
- CHEM 1341 (F,S,Su)  
  General Chemistry I
- CHEM 1342 (F,S,Su)  
  General Chemistry II
  
  **Sophomore Spring semester**
- PHYS 2425 (F,S)  
  Electricity & Magnetism
- CHEM 3375 (F)  
  Principles of Biochemistry
  
  **Junior Fall semester**
- PHYS 1430 (F,S)  
  Mechanics
- CHEM 2341 (F,S,Su)  
  Organic Chemistry I
  
  **Junior Spring semester**
- CHEM 3380 (S)  
  Analytical Biochemistry
- CHEM 3381 (S)  
  Biochemistry Techniques
  
  **Senior Fall semester**
- CHEM 3390 (F)  
  Physical Chemistry of Biochemistry
- CHEM 4481 (F)  
  Advanced Biochem Lab I
  
  **Senior Spring semester**
- CHEM 4360 (F)  
  Molecular Biology
- CHEM 4382 (S)  
  Advanced Biochem Research

**For Biology minor only:**
9 hours advanced biology electives, chosen in consultation with an academic advisor.

**Note:**
In addition to major courses, students must also complete all core and minor requirements (if applicable) and any other requirements for graduation.

**Key:**
- Arrows indicate prerequisites.
- Arrows with dotted lines indicate corequisites.
- Arrows with dash lines are recommended prerequisites.
- Courses taught specific semesters are indicated with the following codes:
  - F-Fall
  - S-Spring
  - Su-Summer Session I or II
- Required WI courses: CHEM 3381, 4481, 4382

**Core courses must be completed:**

- **US 1100**  
- **COMM 1310**  
- **PHIL 1305 or 1320**  
- **ENG 1310**  
- **ENG 1320**  
- **ENG 2310-2360**  
- **HIST 1310**  
- **HIST 1320**  
- **ART/DAN/MU/TH 2313**  
- **ANTH 1312/ECO 2301/ECO 2314/GEO 1310/PSY 1300/SOCI 1310**  

US 1100 & ENG 1310 recommended for first semester. HIST 1310/1320 not recommended for first semester.