BS - Biology with Biochemistry minor – PRE-PA (SC-BS/BIO/BCHM/PPBI)

2021 Catalog year: College of Science and Engineering

**Freshman Fall semester**

- **BIO 1330 (F,S,Su)** & **BIO 1130 (F,S,Su)**
  - Functional Biology
  - TCCNS: BIO 1406
- **CHEM 1341 (F,S,Su)** & **CHEM 1141 (F,S,Su)**
  - General Chemistry I
  - TCCNS: CHEM 1311+1111 or 1312+1112

NOTE: Students in the pre-physician assistant concentration must complete BIO 3421, BIO 4464, MATH 2328, PHIL 1320 and PSY 1300.

**Freshman Spring semester**

- **BIO 1331 (F,S)** & **BIO 1131 (F,S)**
  - General Chemistry II
  - TCCNS: BIO 1407

Choose one set:

- **MATH 2321 (F,S,Su)** & **MATH 2328 (F,S,Su)**
- **MATH 2471 (F,S,Su)** & **MATH 2328 (F,S,Su)**

See advisor for guidance.

**Sophomore Fall semester**

- **BIO 2430 (F,S)**
  - Microbiology
  - TCCNS: BIO 2421

- **CHEM 2141 (F,S)**
  - General Chemistry I
  - TCCNS: CHEM 1316+1116

**Sophomore Spring semester**

- **BIO 4416 (F,S)**
  - General Ecology

**Junior Fall semester**

- **PHYS 1315 (F,S,Su)** & **PHYS 1115 (F,S,Su)**
  - General Physics I
  - TCCNS: PHYS 1301+1101/1401
  - (also allow PHYS 1430)

**Junior Spring semester**

- **PHYS 1325 (F,S,Su)** & **PHYS 1125 (F,S,Su)**
  - General Physics II
  - TCCNS: PHYS 1302+1102/1402
  - (also allow PHYS 2425)

**Senior Fall semester**

- **BIO 3421 (S)**
  - Vertebrate Anatomy
  - OR
  - **BIO 3426 (F)**
  - Human Physiology

**Senior Spring semester**

- **BIO 4464 (F)**
  - Vertebrate Anatomy
  - OR
  - **BIO 3425 (F)**
  - Human Anatomy

11 hours advanced biology electives, chosen in consultation with an academic advisor.

BIO 4299 requires faculty and departmental approval to count towards advanced electives and must be taken twice.

DO NOT COUNT: BIO 3351, 4305, 4402, 4403, 4408

Check course prerequisites.

**Extramural courses may be required to meet graduation requirements (check with advisor)**

**Core courses must be completed:**

- Communication Component Code 010 (6 cr)
- Mathematics Component Code 020 (3 cr)
- General Physics Component Code 030 (6 cr)
- Language, Philosophy, and Culture Component Code 040 (3 cr)
- Creative Arts Component Code 050 (3 cr)
- American History Component Code 060 (6 cr)
- Government/Political Science Component Code 070 (6 cr)
- Social and Behavioral Sciences Component Code 080 (3 cr)
- Component Area Option Codes: 090, 091, 092, 093, and 094 (6 cr)

US 1100 may be required for some students. Some majors require specific courses to be chosen from a component area. Consult with an advisor to determine the most expedient way to complete core and major-specific requirements.