

# 2020-2021 Biotechnology B.A.

## Lower Division Courses

To declare the Biotechnology major, students must have completed four of the following lower-division courses.  
All of the following lower division courses are required for the major.

**BME 5**  
Introduction to  
Biotechnology  
[F/W]

•MATH 3 or math placement of  
300 or higher  
**CHEM 1A**  
General Chemistry  
[F/W/Sp/Su]

•CHEM 1A  
**BIOL 20A**  
Cell and Molecular  
Biology  
[F/W/Sp/Su]

**CSE 20**  
Beginning  
Programming in  
Python  
[F/W/Sp]

**BME 80G**  
Bioethics in the 21<sup>st</sup>  
Century: Science,  
Business, and Society  
[F]  
OR  
**BME 18**  
Scientific Principles of  
Life  
[F]

**BME 80H**  
The Human Genome  
[W/Sp]  
OR  
**ECE 80B**  
Engineering  
Innovations for  
Medicine and Natural  
Sciences  
[Sp]

•Math placement score of 300  
or higher or Math 3  
**STAT 7/L**  
Statistical Methods for  
Biological Sciences  
[F/W/Sp]  
OR  
**STAT 5**  
Statistics  
[F/W/Sp/Su]

## Upper Division Courses

Complete all of the following courses.

•BIOL 20A  
**BME 105**  
Genetics in the  
Genomics Era  
[Sp]

•ELWR and BIOL 20A  
**BME 185**  
Technical Writing for  
Biomolecular  
Engineers  
[F]

•BME 105  
**BME 110**  
Computational  
Biology Tools  
[W/Sp]

**BME 175**  
Entrepreneurship in  
Biotechnology  
[W]

•BIOL 20A  
**BME 160 (6 units)<sup>Q</sup>**  
Research  
Programming in the  
Life Sciences  
[W/Sp]

## Elective

Complete three of the following:

BME 122H, BME 128\*, BME 130, BME 132, BME  
140, BME 177, BME 178\*

\*Classes have additional prerequisites not covered  
by the major requirements

◆Students may petition to have one upper-division  
biology or microbiology course count as an  
elective, but most such courses have prerequisites  
that are not required for the major.

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_

## Exit Requirements

Exit requirements are expected to be completed by the end of a student's final quarter

1. **Exit Portfolio:**
2. **Exit Survey**
3. **Exit Interview**

## 2020-2021 Biotechnology B.A.

Fall ____	Winter ____	Spring ____	Summer ____

Fall ____	Winter ____	Spring ____	Summer ____

Fall ____	Winter ____	Spring ____	Summer ____

Fall ____	Winter ____	Spring ____	Summer ____

The Bachelor of Arts in Biotechnology is intended for students who plan to be involved in the biotechnology industry as writers, artists, ethicists, executives, sales force, regulators, lawyers, politicians, and other roles that require an understanding of the technology, but not the intensive training needed for technicians, research scientists, engineers, and bioinformaticians.

Student Name:

Adviser Name/Notes: