**2022-2023 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]

- **CHEM 1A**  
  General Chemistry  
  [F/W/Sp/Su]

- **BIO 1A**  
  Cell and Molecular Biology  
  [F/W/Sp/Su]

- **BME 80G**  
  Bioethics in the 21st Century: Science, Business, and Society  
  [Sp]

- **BME 105**  
  Genetics in the Genomics Era  
  [Sp]

- **BME 110**  
  Computational Biology Tools  
  [F/W/Sp]

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

- **BME 80H**  
  The Human Genome  
  [F/W]

- **ECE 80B**  
  Engineering Innovations for Medicine and Natural Sciences  
  [Sp]

- **STAT 7/L**  
  Statistical Methods for Biological Sciences  
  [F/W/Sp]

- **STAT 5**  
  Statistics  
  [F/W/Sp]

- **ELWR and BIOL 20A**

- **BME 185**  
  Technical Writing for Biomolecular Engineers  
  [F]

**Upper Division Courses**  
Complete all of the following courses.

- **BIO 20A**  
  Genetics in the Genomics Era  
  [Sp]

- **BME 105**  
  Computational Biology Tools  
  [F/W/Sp]

- **BME 110**  
  Computational Biology Tools  
  [F/W/Sp]

- **BME 160 (6 units)**  
  Research Programming in the Life Sciences  
  [W/Sp]

**Comprehensive Requirement**  
Complete the following course.

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

**Elective**  
Complete three of the following; at least two must be BME courses:


*Classes have additional prerequisites not covered by the major requirements

- *Students may petition to have one upper-division biology 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

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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. This major is designed to be suitable as a double major or minor for students in the humanities or social sciences.

Student Name:

Adviser Name/Notes: