

BIOCHEMISTRY & MOLECULAR BIOLOGY

Degree offered: BS

Minor: No

Courses appropriate for beginning students:

- Biology 130 and 131 Biology I and lab (F7)
- Chemistry 120 and 120L (lab) – Foundations in Chemistry (F7)
- It is appropriate for students to take Biology 130 plus lab and Foundations in Chemistry 120 plus lab in their first year if the student has strengths in one or both areas.

Courses required for majors and appropriate for beginning students:

- Biology 130 and 131L (lab) Biology I (F7)
- Chemistry 120 and 120L (lab) – Foundations in Chemistry (F7)

Required courses in other departments:

- Due to the interdisciplinary nature of this major, most courses are listed in the Biology, Chemistry, and Mathematics Departments. See the college catalogue for specific requirements.

Recommended courses in other departments:

- Calculus I and II (Math 121, 122), and Introductory Physics I and II with labs (Phys 111-112 and 111L-112L) are recommended for students applying to graduate school.
- Applied Calculus (Math 115) or Calculus I and II (Math 121, 122), and Introductory Physics I and II with labs (Phys 111-112 and 111L-112L) are recommended for students applying to programs in the health professions.
- Biology II (Bio 140, 141) is highly recommended for many health professions and graduate schools (please consult a BMB adviser). BMB advisers: Dr. Mary Miller, Dr. Laura Luque de Johnson, Dr. Gary Lindquester, Dr. Terry Hill, Dr. Darlene Loprete, and Dr. Loretta Jackson-Hayes, and Dr. Mauricio Caferio.

Latest time to begin a major and graduate on schedule:

- Sophomore year (if no biology or chemistry courses have been taken)

Courses that close quickly:

- Upper Level Biology Classes - Most upper level biology classes (200 or higher) close quickly and should be listed as first choices on the registration tree.

Courses that must be taken at the same time:

- Biology 130 and 131L (lab) – Biology I (F7)
- Chemistry 120 and 120L (lab) - Foundations in Chemistry (F7)
- Chemistry 212 and 212L (lab) – Organic Chemistry II

Courses that must be taken in sequence:

- Foundations in Chemistry 120 with lab must be taken before Organic Chemistry 211
- Organic Chemistry 211 must be taken before Organic Chemistry 212 with lab
- Foundations in Chemistry 120 and Organic Chemistry 211 and 212 with lab must be taken before Analytical Chemistry 240 with lab
- Biology 130 with lab must be taken before any upper level biology courses

Courses with time-of-year limitations:

- Biology 130 and 131L (lab) are offered only in the fall semester.
- Chemistry 120 and 120L (lab) are offered in the fall semester
- Chemistry 211 is offered in the spring semester
- Chemistry 212 and 212L (lab) are offered in the fall semester.

Courses that don't count toward a major:

- Not all upper level biology/chemistry courses count toward the degree. Please check the catalogue for required and elective courses that count toward the BMB major.