

Biochemistry and Molecular Biology Requirements

Summary

- ★ BMB majors must complete Chem 111, Chem 112, Math 127, and Math 128 (or their equivalents) in their first three semesters with a GPA of 2.5 or above. Basically, aim for a B- or better in these courses!
- ★ BMB majors must achieve a grade of **B- or better** in Biochem 285, as other Biochem courses require this as prerequisite.
- ★ BMB majors should achieve a grade of **C- or above** in all Biochem courses that count toward the major. Students should plan to repeat the course if they don't meet this requisite.

Recommended sequence:

First Year:

- Bio 151, Bio 152, Bio 153
- Chem 111 and 112 (Chem 121H and 122H for Honors)
- Math 127/131, Math 128/132

Second Year:

- Biochem 285 (Cellular & Molecular Biology)
 - Prerequisites: Bio 152 AND Chem 112/122H
- Chem 261, Chem 262, Chem 269 (Lab)
- Stats 240 or equivalent, Math 233 can be substituted
- Physics 131/151 and Physics 132/152
- Biochem 311 (Genetics)
 - Prerequisites: Bio 151 AND Bio 152

Third and Fourth Years:

- Biochem 376 (Intro Lab)
 - Prerequisite: Biochem 285
- Biochem 394RI (Integrative Experience)
 - Prerequisite: Biochem 285
- Biochem 423 (General Biochemistry)
 - Prerequisites: Biochem 285 AND Chem 261 AND Chem 262
- Biochem 424 (Molecular Cell Biology)
 - Prerequisite: Biochem 423
- Biochem 426 (Advanced Lab)
 - Prerequisites: Biochem 376 AND Biochem 423
- Biochem 471 (Physical Chemistry)
 - Prerequisites: Chem 112/122H AND Physics 132/152/182 AND Math 128/132
- Biochem 430H (Science Writing)
 - Prerequisite: Biochem 423
- Advanced Elective Requirements: minimum total of **8 CREDITS**
 - Not including courses required for the BMB major or Practicum courses
 - Independent Study/Research (396 and above) credits may be counted as advanced elective credits