

Suggested Semester Schedules for the Biology BS and Biology BA

This guide can be used to help you plan eight semesters of enrollment as a Biology major, and compare the courses of the Biology BA and Biology BS degree. Depending on your math and chemistry placement levels upon enrollment, your specific path to major completion may differ slightly from the examples below. [Please refer to the Undergraduate Bulletin for official policies, full course options and pre-requisites, and requirements in detail.](#)

The Upper Division Biology courses you take within the Biology BS major (listed as UD BIO Lecture Course or UD Lab course in this schedule) will change based on the Specialization you choose. It is important to discuss your specialization with a Biology major advisor in your junior year. The list of specializations for the BIO BS can be found in the Undergraduate Bulletin.

The Biology BA program involves fewer advanced courses in biology, but instead requires completion of a non-overlapping approved minor. The minor must have no more than a 3 credit overlap with the life science requirements for the BIO BA. The Biology BA requires at least one of the following "UD BIO Lecture Courses": BIO 320, BIO 321, BIO 354, or EBH 302.

Biology BS

Fall Semester	Spring Semester
Freshmen Year	
CHE 131 or CHE 129 + CHE 130 ¹ CHE 133 MAT 125 or MAT 131 ^{2&3} 8-10 credits	CHE 132 CHE 134 MAT 126 or MAT 132 BIO 201 or BIO 202 11-12 credits
Sophomore Year	
CHE 321 BIO 204 + BIO 458 SPK BIO 203 9 credits	CHE 322 CHE 327 BIO 205 or BIO 207 BIO 201 or BIO 202 11 credits
Junior Year	
PHY 121 ⁴ UD BIO Lecture Course AMS 110 or BIO 211 10-11 credits	PHY 122 UD BIO Lecture Course UD BIO Lecture Course 10 credits
Senior Year	
UD BIO Lecture Course UD BIO Lab Course + BIO 459 WRTD 5-6 credits	UD BIO Lecture Course UD BIO Lab Course 5-6 credits

Biology BA

Fall Semester	Spring Semester
Freshmen Year	
CHE 131 or CHE 129 + CHE 130 ¹ CHE 133 MAT 125 or MAT 131 ^{2&3} 8-10 credits	CHE 132 CHE 134 BIO 201 or BIO 202 Minor Course 11 credits
Sophomore Year	
CHE 321 BIO 204 + BIO 458 SPK BIO 201 or BIO 202 Minor Course 12 credits	CHE 322 CHE 327 BIO 205 or BIO 207 BIO 203 11 credits
Junior Year	
PHY 121 ⁴ UD BIO Lecture Course Minor Course 10 credits	PHY 122 AMS 110 or BIO 211 Minor Course 10-11 credits
Senior Year	
UD BIO Lecture Course Minor Course Minor Course + BIO 459 WRTD 9 credits	UD BIO Lecture Course Minor Course 6 credits

Notes

- The Molecular Science sequence of chemistry (CHE 152, CHE 154, CHE 331, CHE 332 and CHE 383) will also be accepted for both the BIO BA and BIO BS degrees in lieu of General Chemistry and Organic Chemistry with lab.
- The specialization in Quantitative Biology and Bioinformatics for the BIO BS requires the Calculus I and II sequence in either AMS or MAT. Alternatively, students can take the MAT Calculus A, B, C sequence which requires three semesters of lecture.
- The specialization in Bioengineering for the BIO BS requires the Calculus I and II sequence in either AMS or MAT. Alternatively, students can take the MAT Calculus A, B, C sequence which requires three semesters or lecture. This specialization also requires that students complete either of the Classical Physics sequences and be accepted to the Bio-Engineering minor.
- The Physics for Life Sciences sequence is listed here, but Classical Physics with lab is also accepted. Note the Classical Physics A, B, C sequence requires 3 semesters of physics lecture.