Biology BS Major Suggested Semester Schedules

These guidelines can be used to help you plan eight semesters of enrollment as a Biology BS major. Depending on your math and chemistry placement levels upon enrollment, your specific path to major completion may differ slightly from the examples below. The Upper Division Biology courses you take within the Biology 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 can be found in the Undergraduate Bulletin. Please also refer to the Undergraduate Bulletin for policies, full course options and pre-requisites, and requirements in detail.

Student Example 1

Fall Semester	Spring Semester
Freshmen Year	
CHE 131 or CHE 129 + CHE 130 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[1] 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

Student Example 2

Fall Semester	Spring Semester
Freshmen Year	
CHE 152 CHE 154 MAT 125 or MAT 131 9-10 credits	CHE 331 CHE 383 MAT 126 or MAT 132 BIO 201 12-13 credits
Sophomore Year	
CHE 332 BIO 204 + BIO 458 SPK BIO 202 or BIO 203 9 credits	PHY 121 BIO 202 or BIO 203 BIO 205 or 207 9 credits
Junior Year	
PHY 122 UD BIO Lecture Course AMS 110 or BIO 211 10-11 credits	UD BIO Lecture Course UD BIO Lecture Course 6 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

Student Example 3

Fall Semester	Spring Semester
Freshmen Year	
MAP 103 3 remedial credits	MAT 123 (QPS) BIO 201 (SNW) 6 credits
Sophomore Year	
CHE 131 CHE 133 MAT 125 BIO 211 12 credits	CHE 132 CHE 134 MAT 126 BIO 202 or BIO 203 12 credits
Junior Year	
CHE 321 BIO 204 + BIO 458 (SPK) UD BIO Lecture Course BIO 202 or BIO 203 12 credits	CHE 322 CHE 327 BIO 205 or BIO 207 UD BIO Lecture Course 11 credits
Senior Year	
PHY 121 UD BIO Lecture Course UD BIO Lecture Course[4] UD BIO Lab Course + BIO 459 (WRTD) 13 credits	PHY 122 UD BIO Lecture Course UD BIO Lab Course 11 credits

Notes

1. 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.
2. The specialization in Quantitative Biology and Bioinformatics 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.
3. The specialization in Bioengineering 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.
4. It would be strongly recommended that this UD BIO Lecture Course be taken in a summer session to create a more balanced course load in the senior year.