

Biology - Biotechnology (BS)

The following course sequence sheet is for illustrative purposes only and should not be construed as formal academic advisement. Course selections and sequence may vary depending on course availability and counsel from your academic adviser. You should consult an academic adviser before developing an actual academic plan.

Cr.	First Semester	Cr.	Second Semester
4	BIOLOGY.114 Concepts Biology I	4	BIOLOGY.115 Concepts Biology II
4	CHEM.115 Chemistry for Sciences I or CHEM.101 Intro Chemistry (based on testing)	4	CHEM.116 Chemistry for Sciences II or CHEM.115 if CHEM.101 was required
3	ENGLISH.101 Composition I or General Education Group A (Humanities)	3	General Education Group A (Humanities) or ENGLISH.101 Composition I
3	General Education Group B (Social Sciences)	3	MATH.141 Introduction to Statistics
1	INTSTUDY.100 Optional University Seminar		
15	Total Semester Credits	14	Total Semester Credits
Cr.	Third Semester	Cr.	Fourth Semester
4	BIOLOGY.242 Microbiology	4	BIOLOGY.271 Cell Biology
3	General Education Group A (Humanities) or CHEM.116 if CHEM.101 was required	4	CHEM.230 Fund Organic Chemistry
3	BIOLOGY.290 Writing in Biology or General Education Communications	3	Biology Major Elective
3	MATH.123 Essentials Calculus	3	General Education Communications or BIOLOGY.290 Writing in Biology
3	General Ed. Values, Ethics, Decision-Making	3	General Education Group B (Social Sciences)
16	Total Semester Credits	17	Total Semester Credits
Cr.	Fifth Semester	Cr.	Sixth Semester
4	PHYSICS.111 Intro. Physics I	4	PHYSICS.112 Intro Physics II
3	BIOLOGY.333 Molecular Biology	3	Physiology Elective
3	Biology Major Elective	1	BIOLOGY.479 Physiology Lab or BIOLOGY.444 Tissue Culture
3	General Education Group B (Social Sciences)	4	CHEM.341 Biochemistry
3	Free Elective or GenEd Group A if CHEM.101 was required	3	General Education Group A (Humanities)

16 Total Semester Credits

15 Total Semester Credits

Cr.	Seventh Semester	Cr.	Eighth Semester
3	BIOLOGY.332 Genetics	3	BIOLOGY.445 Methods in Biotechnology
1	BIOLOGY.481 Senior Biology Sem	4	CHEM.442 Biochemistry 2
2	Biology Major Elective	3	General Education Group A (Humanities)
3	General Education Group B (Social Sciences)	3	Biology Major Elective
3	Free Elective	1	General Education Fitness/Recreation Skills
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13	Total Semester Credits	14	Total Semester Credits
TOTAL CREDITS: 120			

IMPORTANT NOTES:

A placement test is required for CHEM.115; CHEM.101 may be required as a prerequisite.

Students may count 1 Communications, Quantitative or Values course under appropriate Gen Ed area (A, B, or C).

Students choosing this option must then take an extra Free elective to reach 120 credits.