

## Biology (BS) - Microbiology

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.

<b>Cr.</b>	<b>First Semester</b>	<b>Cr.</b>	<b>Second Semester</b>
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 Found of College Writing or General Education Course	3	General Education Course or ENGLISH.101 Found of College Writing
3	General Education Course	3	MATH.141 Introduction to Statistics
1	INTSTUDY.100 Optional University Seminar		
15	Total Semester Credits	14	Total Semester Credits
<b>Cr.</b>	<b>Third Semester</b>	<b>Cr.</b>	<b>Fourth Semester</b>
4	BIOLOGY.242 Microbiology	4	BIOLOGY.271 Cell Biology
3	BIOLOGY.290 Writing in Biology or General Education Course	3	General Education Course or BIOLOGY.290 Writing in Biology
3	General Education Course or CHEM.116 if CHEM.101 was required	4	CHEM.230 Fund Organic Chemistry
3	MATH.123 Essentials Calculus	3	General Education Course
3	General Education Course	1	General Education Course
16	Total Semester Credits	15	Total Semester Credits
<b>Cr.</b>	<b>Fifth Semester</b>	<b>Cr.</b>	<b>Sixth Semester</b>
4	PHYSICS.111 Intro. Physics I	4	PHYSICS.112 Intro Physics II
3	BIOLOGY.343 Immunology	3	BIOLOGY.342 Medical Microbiology
3	BIOLOGY.478 Microbial Physiology	4	CHEM.341 Biochemistry
1	BIOLOGY.479 Physiology Lab	3	General Education Course
3	General Education Course	3	General Education Course
14	Total Semester Credits	17	Total Semester Credits
<b>Cr.</b>	<b>Seventh Semester</b>	<b>Cr.</b>	<b>Eighth Semester</b>
3	BIOLOGY.332 Genetics	3	BIOLOGY.351 Ecology
1	BIOLOGY.481 Senior Biology Sem	3	Microbiology-related Elective
3	Microbiology-related Elective	3	Free Elective

3	Microbiology-related Elective	or General Education Course
3	General Education Course	3 Microbiology-related Elective
1	General Education Course	3 Free Elective
14	Total Semester Credits	15 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.