

MICROBIOLOGY/CELL & MOLECULAR BIOLOGY: MEDICAL LABORATORY SCIENCE, BS

Example Plan of Study

Finish in Four Plan of Study

The plan below is an **example** of how students can successfully complete degree requirements in four years. This suggested class schedule plan may be used as a guide and can be adjusted based on individual needs. Students are required to meet with an academic advisor prior to enrollment each semester to plan their class schedule, and students are ultimately responsible for completing all degree requirements.

Course	Title	Hours
Freshman		
Fall		
MATH 1513	College Algebra (A)	3
BIOL 1113 & BIOL 1111 or BIOL 1114	Introductory Biology (N) or Introductory Biology (LN)	4
MICR 1211	First Year Microbiology Laboratory Experience	1
General Education courses		7
Hours		15
Spring		
CHEM 1314	Chemistry I (LN)	4
BIOL 1604 or PBIO 1404	Animal Biology or Plant Biology (LN)	4
General Education courses		7
Hours		15
Sophomore		
Fall		
CHEM 1515	Chemistry II (LN)	5
MICR 2123	Introduction to Microbiology	3
MICR 2132	Introduction to Microbiology Laboratory	2
General Education courses		5
Hours		15
Spring		
CHEM 3013 or CHEM 3053	Survey of Organic Chemistry or Organic Chemistry I	3
CHEM 3012	Survey of Organic Chemistry Laboratory (If taking CHEM 3013)	2
MICR 3033	Cell and Molecular Biology (Suggested)	3
BIOL 3204	Physiology	4
MICR 4001	Professional Transitions in Microbiology and Cell and Molecular Biology	1
General Education courses		2
Hours		15
Junior		
Fall		
BIOC 3653 or BIOC 3713 or CHEM 3153	Survey of Biochemistry or Biochemistry I or Organic Chemistry II	3
BIOL 3023 or ANSI 3423	General Genetics or Animal Genetics	3
MICR 3223	Advanced Microbiology	3
College and Elective courses		6
Hours		15

Spring		
MICR 3253	Immunology (Spring only)	3
Elective or BIOC 3653 or BIOC 3813		3
Major, College, and Elective courses, Recommend BIOL 3214		9
Hours		15
Summer		
MICR 4325	Clinical Chemistry II	5
MICR 4351	Topics in Clinical Laboratory Science	1
Hours		6
Senior		
Fall		
MICR 4117	Clinical Microbiology	7
MICR 4125	Clinical Chemistry I	5
Hours		12
Spring		
MICR 4236	Clinical Hematology	6
MICR 4246	Clinical Immunology	6
Hours		12
Total Hours		120