

# 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
<b>Freshman</b>		
<b>Fall</b>		
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
<b>Hours</b>		<b>15</b>
<b>Spring</b>		
MICR 2123 & MICR 2132	Introduction to Microbiology and Introduction to Microbiology Laboratory	5
CHEM 1314	Chemistry I (LN)	4
General Education courses		6
<b>Hours</b>		<b>15</b>
<b>Sophomore</b>		
<b>Fall</b>		
MICR 3033	Cell and Molecular Biology	3
CHEM 1515	Chemistry II (LN)	5
General Education and Elective courses		7
<b>Hours</b>		<b>15</b>
<b>Spring</b>		
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
PHYS 1114	College Physics I (LN)	4
General Education courses		6
<b>Hours</b>		<b>15</b>
<b>Junior</b>		
<b>Fall</b>		
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
BIOL 3204	Physiology	4
College and Elective courses		6
<b>Hours</b>		<b>16</b>
<b>Spring</b>		
MICR 3253	Immunology (Spring only)	3
MICR 4001	Professional Transitions in Microbiology and Cell and Molecular Biology	1

BIOL 1604 or BIOL 3214	Animal Biology or Human Anatomy	4
General Education and Electives or BIOC 3653 or BIOC 3813		6
<b>Hours</b>		<b>14</b>
<b>Summer</b>		
MICR 4325	Clinical Chemistry II	5
MICR 4351	Topics in Clinical Laboratory Science	1
<b>Hours</b>		<b>6</b>
<b>Senior</b>		
<b>Fall</b>		
MICR 4117	Clinical Microbiology	7
MICR 4125	Clinical Chemistry I	5
<b>Hours</b>		<b>12</b>
<b>Spring</b>		
MICR 4236	Clinical Hematology	6
MICR 4246	Clinical Immunology	6
<b>Hours</b>		<b>12</b>
<b>Total Hours</b>		<b>120</b>