

**Missouri State University -- College of Health and Human Services  
Department of Biomedical Sciences**

**Clinical Laboratory Sciences-  
Medical Technology/Microbiology (comprehensive)**

**Bachelor of Science**

**Updated April 2009**

*This is a model four year graduation plan. Variations are possible. Your path to graduation may vary slightly based on factors such as college credit you earned while in high school, your choice of general education electives, and placement in English and Mathematics.*

This degree program can be completed in eight semesters.

<b>First Semester (Fall)</b>		<b>Second Semester (Spring)</b>	
Writing I - ENG 110	3	Genetics - BMS 231/BIO 235	4
Intro to University Life - IDS 110	1	Fund of Public Speaking - COM115	3
Math - MTH 130 or higher	3	Chemistry II - CHM 170 and 175	5
Chemistry I - CHM 160	4	US History - HST121 or 122	3
Biomedical Sciences - BMS 110	4	Computers for Learning - CIS/CSC 101*	2
<b>Total Hours</b>	<b>15</b>	<b>Total Hours</b>	<b>17</b>
<b>Third Semester (Fall)</b>		<b>Fourth Semester (Spring)</b>	
Human Anatomy - BMS 307	4	American Democracy and Citizenship - PLS 101	3
Intro to Psychology - PSY 121	3	Fitness for Living - PED 100	2
Culture and Society/Humanities	3	Culture and Society/Social Sciences	3
Organic Chemistry - CHM 200	5	Statistics - MTH 340 or PSY 200	3
		Microbiology - BIO 310	5
<b>Total Hours</b>	<b>15</b>	<b>Total Hours</b>	<b>16</b>
<b>Fifth Semester (Fall)</b>		<b>Sixth Semester (Spring)</b>	
Immunology - BIO 511	3	Pathogenic Microbiology - BIO 520	3
Biochemistry - CHM 352 and 353 or BMS 321	4-5	Virology - BMS 524	3
General Elective	3	Human Physiology - BMS 308	4
Writing II	3	Self-Understanding/Humanities	3
		Self-Understanding/Creativity and Vision	3
<b>Total Hours</b>	<b>13-14</b>	<b>Total Hours</b>	<b>16</b>
<b>Seventh Semester (Fall)</b>		<b>Eighth Semester (Spring)</b>	
Clinical Studies Determined by Clinical Program		Clinical Studies Determined by Clinical Program	
<b>Total Hours</b>	<b>17-18</b>	<b>Total Hours</b>	<b>17-18</b>

GPA Requirements include: Maintain a 3.00 to be competitive.

Admission to an accredited clinical program is required to complete the program.

Application to a clinical program should be completed before beginning of third year.

Acceptance by a clinical program is at the discretion of the clinical program and not Missouri State.

All on campus Missouri State University Requirements must be completed before entering the clinical year.

\*Course may be waived by proficiency exam (no credit). CIS 101 and CSC 101 are identical. Can not receive credit for both CIS 101 and CSC 101.