

# Major in Clinical Laboratory Sciences - Bachelor of Science

<b>University Requirements:</b>		
See University General Requirements for Baccalaureate degrees (p. 41)		<input type="checkbox"/>
<b>First Year Making Connections Course:</b>	<b>Sem. Hrs.</b>	
CLS 1003, Making Connections CLS	3	<input type="checkbox"/>
<b>General Education Requirements:</b>	<b>Sem. Hrs.</b>	
See General Education Curriculum for Baccalaureate degrees (p. 84)	35	<input type="checkbox"/>
<p><b>Students with this major must take the following:</b></p> <p><i>MATH 1023, College Algebra or MATH course that requires MATH 1023 as a prerequisite</i></p> <p><i>CHEM 1013 AND 1011, General Chemistry I and Laboratory</i></p> <p><i>BIO 2103 AND 2101, Microbiology for Nursing and Laboratory</i></p> <p><i>Nine hours of Arts or Humanities (Required Departmental Gen. Ed. Option)</i></p>		
<b>Major Requirements:</b>	<b>Sem. Hrs.</b>	
BIO 2203 AND 2201, Anatomy and Physiology I and Laboratory	4	<input type="checkbox"/>
BIO 2223 AND 2221, Human Anatomy and Physiology II and Laboratory	4	<input type="checkbox"/>
CHEM 1023 AND 1021, General Chemistry II and Laboratory	4	<input type="checkbox"/>
CHEM 3103 AND 3101, Organic Chemistry I and Laboratory	4	<input type="checkbox"/>
CLS 3153, Clinical Biochemistry	3	<input type="checkbox"/>
CLS 1512 AND 1511, Principles of Clinical Lab Sciences and Laboratory	3	<input type="checkbox"/>
CLS 1521 AND 1531, Body Fluids and Laboratory	2	<input type="checkbox"/>
CLS 2523 AND 2521, Hematology I and Laboratory	4	<input type="checkbox"/>
CLS 2533 AND 2531, Medical Microbiology I and Laboratory	4	<input type="checkbox"/>
CLS 2543 AND 2541, Clinical Chemistry I and Laboratory	4	<input type="checkbox"/>
CLS 2563 AND 2561, Immunohematology I and Laboratory	4	<input type="checkbox"/>
CLS 2573 AND 2571, Clinical Immunology and Serology and Laboratory	4	<input type="checkbox"/>

CLS 3122, Research Concepts for CLS	2	<input type="checkbox"/>
CLS 3223 <b>AND</b> 3221, Hematology II and Laboratory	4	<input type="checkbox"/>
CLS 3343, Principles of Disease	3	<input type="checkbox"/>
CLS 3512 <b>AND</b> 3511, Medical Parasitology and Laboratory	3	<input type="checkbox"/>
CLS 3522, Clinical Laboratory Management	2	<input type="checkbox"/>
CLS 4013, Molecular Diagnostics	3	<input type="checkbox"/>
CLS 4113 <b>AND</b> 4111, Clinical Chemistry II and Clinical Issues and Topics in Clinical Chemistry II	4	<input type="checkbox"/>
CLS 4211, Clinical Laboratory Education	1	<input type="checkbox"/>
CLS 4333 <b>AND</b> 4331, Immunohematology II and Clinical Issues and Topics in Immunohematology II	4	<input type="checkbox"/>
CLS 4443 <b>AND</b> 4441, Medical Microbiology II and Clinical Issues and Topics in Medical Microbiology II	4	<input type="checkbox"/>
CLS 4174, Clinical Practicum I	4	<input type="checkbox"/>
CLS 4184, Clinical Practicum II	4	<input type="checkbox"/>
CLS 4194, Clinical Practicum III	4	<input type="checkbox"/>
CLS 4204, Clinical Practicum IV	4	<input type="checkbox"/>
<b>Sub-total</b>	<b>90</b>	<input type="checkbox"/>
<b>Total Required Hours:</b>	<b>128</b>	