

Major in Biotechnology - Bachelor of Science

University Requirements:		
See University General Requirements for Baccalaureate degrees (p. 41)		<input type="checkbox"/>
First Year Making Connections Course:	Sem. Hrs.	
BIO 1013, Making Connections - Biology	3	<input type="checkbox"/>
General Education Requirements:	Sem. Hrs.	
See General Education Curriculum for Baccalaureate degrees (p. 84)	36	<input type="checkbox"/>
<p>Students with this major must take the following:</p> <p><i>MATH 2194, Survey of Calculus OR</i></p> <p><i>MATH 2204, Calculus 1</i></p> <p><i>CHEM 1013 AND CHEM 1011, General Chemistry I and Laboratory</i></p> <p><i>BIO 2013 AND 2011, Biology of the Cell and Laboratory</i></p> <p><i>COMS 1203, Oral Communication (Required Departmental Gen. Ed. Option)</i></p>		
Language Requirement:	Sem. Hrs.	
<i>A student must complete the foreign language requirements before being considered a Biotechnology Major. (Refer to Department of Biological Sciences Foreign Language Requirement).</i>		<input type="checkbox"/>
Major Requirements:	Sem. Hrs.	
BIO 2042, Biotechnology in a Global Society	2	<input type="checkbox"/>
BIO 3013 AND BIO 3011, Genetics and Laboratory	4	<input type="checkbox"/>
BIO 4033, Bioinformatics and Applications	3	<input type="checkbox"/>
BIO 403V, Special Problems in Biology	3	<input type="checkbox"/>
BIO 4053, Applications in Biotechnology	3	<input type="checkbox"/>
BIO 4063, Biosafety and Ethics in Research	3	<input type="checkbox"/>
BIO 4104, Microbiology	4	<input type="checkbox"/>
BIO 4133 AND BIO 4131, Cell Biology and Laboratory	4	<input type="checkbox"/>
BIO 4152, Laboratory in BioTechniques I	2	<input type="checkbox"/>

BIO 4154, Laboratory in BioTechniques II	4	<input type="checkbox"/>
BIO 4164, Molecular Biology	4	<input type="checkbox"/>
CHEM 1023 AND CHEM 1021, General Chemistry II and Laboratory	4	<input type="checkbox"/>
CHEM 3103 AND CHEM 3101, Organic Chemistry I and Laboratory	4	<input type="checkbox"/>
CHEM 3113 AND CHEM 3111, Organic Chemistry II and Laboratory	4	<input type="checkbox"/>
CHEM 4243, Biochemistry	3	<input type="checkbox"/>
PHYS 2054, General Physics I	4	<input type="checkbox"/>
PHYS 2064, General Physics II	4	<input type="checkbox"/>
STAT 3233, Applied Statistics I	3	<input type="checkbox"/>
Biological Science electives	6	<input type="checkbox"/>
Sub-total	68	<input type="checkbox"/>
Additional Support Courses:	Sem. Hrs.	
AGRI 4523, Applied Modern Biotechnology OR BIO 5123, Human Genetics (as approved)	3	<input type="checkbox"/>
BIO 1303 AND 1301, Biology of Animals and Laboratory OR BIO 1503 AND 1501, Biology of Plants and Laboratory	4	<input type="checkbox"/>
BIO 4103, Virology OR BIO 4113, Immunology	3	<input type="checkbox"/>
MGMT 3123, Principles of Management OR MGMT 3183, Entrepreneurship	3	<input type="checkbox"/>
Sub-total	13	<input type="checkbox"/>
Total Required Hours:	120	