

Major in Biological Sciences - Bachelor of Science

Emphasis in Botany

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)	35	<input type="checkbox"/>
<p>Students with this major must take the following:</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 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 Biological Sciences Major. (Refer to Department of Biological Sciences Foreign Language Requirement).</i>		<input type="checkbox"/>
Major Requirements:	Sem. Hrs.	
BIO 1303 AND 1301, Biology of Animals and Laboratory	4	<input type="checkbox"/>
BIO 1503 AND 1501, Biology of Plants and Laboratory	4	<input type="checkbox"/>
BIO 3013 AND 3011, Genetics and Laboratory	4	<input type="checkbox"/>
BIO 3023, Principles of Ecology	3	<input type="checkbox"/>
BIO 4021, Biological Seminar	1	<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"/>
CHEM 3113 AND 3111, Organic Chemistry II and Laboratory	4	<input type="checkbox"/>

MATH 2194, Survey of Calculus OR MATH 2204, Calculus I	4	<input type="checkbox"/>
PHYS 2054, General Physics I	4	<input type="checkbox"/>
PHYS 2064, General Physics II	4	<input type="checkbox"/>
Sub-total	40	<input type="checkbox"/>
Emphasis Area (Botany):	Sem. Hrs.	
BIO 3033, Evolution	3	<input type="checkbox"/>
BIO 3303 AND 3301, General Entomology and Laboratory OR BIO 3313 AND 3311, Economic Entomology and Laboratory	4	<input type="checkbox"/>
BIO 3542 AND 3541, Plant Pathology and Laboratory OR BIO 4542 AND 4541, Mycology and Laboratory OR BIO 4552 AND 4551, Medical Mycology and Laboratory	3	<input type="checkbox"/>
BIO 4104, Microbiology	4	<input type="checkbox"/>
BIO 4513, Plant Physiology	3	<input type="checkbox"/>
BIO 4522 AND 4521, Wetland Plant Ecology and Laboratory	3	<input type="checkbox"/>
BIO 4704, Plant Systematics	4	<input type="checkbox"/>
STAT 3233, Applied Statistics I OR CHEM 4243, Biochemistry	3	<input type="checkbox"/>
Sub-total	27	<input type="checkbox"/>
Electives:	Sem. Hrs.	
Electives (two hours must be upper-level)	15	<input type="checkbox"/>
Total Required Hours:	120	