

## MAJOR SEQUENCE AND DEGREE REQUIREMENTS

Major: **BS BIOLOGY**

Option: **BOTANY**

Major Field Requirements: **45.0 credits**

Other Requirements: **35.0 - 39.0 credits**

When applicable, up to six of the **REQUIRED RELATED** courses may be credited toward the Liberal Arts Core subject to normal distribution rules.

Course No.	Short Title	C.H.	Grade	Q.P.	Course No.	Short Title	C.H.	Grade	Q.P.
<b>REQUIRED BIOLOGY COURSES (24.0 credits)</b>					<b>REQUIRED RELATED (35.0 - 39.0 credits)</b>				
BIOL 101	Foundations of BIOL	4.0	_____	_____	<b>Chemistry (20.0 credits)</b>				
BIOL 211	Concepts of Zoology	4.0	_____	_____	CHEM 111	Intro to Chem I	4.0	_____	_____
BIOL 221	Concepts of Botany	4.0	_____	_____	CHEM 112	Intro to Chem II	4.0	_____	_____
BIOL 343	Ecology & Evolution	4.0	_____	_____	CHEM 231*	Organic Chem I	4.0	_____	_____
BIOL 362	Cell & Development	4.0	_____	_____	CHEM 232	Organic Chem II	4.0	_____	_____
BIOL 364	Genetics & Mole BIOL	4.0	_____	_____	CHEM 326	Biochemistry I	4.0	_____	_____
<b>Required Botany Courses (10-11 Credits)</b>					Note: Those wishing to complete a Chemistry Minor must complete CHEM 265 (Quantitative Analysis) in addition to those Chemistry courses listed above. * Must earn a C- or higher in CHEM 231 before completing CHEM 232				
BIOL 325	Plant Systematics	3.0	_____	_____	<b>Mathematics &amp; Computer Science (7.0-9.0 credits)</b>				
BIOL 427	Develop Plant BIOL	3.0	_____	_____	MATH 161	Calculus I	4.0	_____	_____
BIOL 436	Plant Physiology	3.0	_____	_____		--- or ---			
BIOL 472	or 470 Seminar in BIOL	1.0-2.0	_____	_____	MATH 163	Honors Calculus	5.0	_____	_____
<b>Biology Electives (10-11 credits)</b>						--- AND ---			
In consultation with your advisor, choose additional courses at the 300-level or higher and approved for BIOL majors to bring total BIOL credits to 45.					MATH*	_____	_____	_____	_____
BIOL _____	_____	_____	_____	_____		--- or ---			
BIOL _____	_____	_____	_____	_____	CSCI**	_____	_____	_____	_____
BIOL _____	_____	_____	_____	_____	*Note: Only MATH courses numbered 160 or above may be used to fulfill these requirements. **Numbered CSCI 140 or above.				
BIOL _____	_____	_____	_____	_____	<b>Physics (8.0 - 10.0 credits)</b>				
BIOL _____	_____	_____	_____	_____	PHYS 131	Physics I with Algebra	4.0	_____	_____
Note: Those planning to apply to graduate or professional school should inquire about specific admissions requirements for the program of their choice.					PHYS 132	Physics II with Algebra	4.0	_____	_____
						---- or ----			
					PHYS 231	Phys I with Calculus	5.0	_____	_____
					PHYS 232	Phys II with Calculus	5.0	_____	_____
					<b>General Electives (as necessary)</b>				
					_____	_____	_____	_____	_____
					_____	_____	_____	_____	_____
					_____	_____	_____	_____	_____
					_____	_____	_____	_____	_____
					_____	_____	_____	_____	_____