

BIOLOGY, B.S. - PLANT SCIENCES OPTION

Major in Biology, BS

Code	Title	Hours
CORE COURSES (C- or higher required)		26
Foundations of Biology - See Appendix 1		
BIOL 211	Concepts of Zoology	
BIOL 221	Concepts of Botany	
BIOL 343	Principles of Ecology & Evolution	
BIOL 362	Cell and Developmental Biology	
BIOL 364	Foundations of Genetics & Molecular Biology	
BIOL 472	Seminar In Biology	
PRACTICAL EXPERIENCE - Choose 1 of the following:		4-15
BIOL 300	Co-Op Ed Experience in Biol	
BIOL 498	Independent Study	
BIOL 489	Honors Course	
BIOL 499	Departmental Honors	
Biology majors must earn grades of C- (C minus) or higher in all core courses.		
Option in Plant Sciences - See separate block		
Total Hours		30-41

Appendix 1. Foundations of Biology

Code	Title	Hours
Foundations of Biology C- or Higher		4
BIOL 101	Foundations of Biology	

Concentration in Plant Sciences

Code	Title	Hours
In addition to Biology Core Courses, the Plant Sciences Concentration requires completion of a course sequence in Botany, Horticultural Science, Plant Biotech and Molecular, or Plant Ecology and the Environment in order to complete the required 52 credits for major.		

UNDECLARED TRACK - DEFAULT TO BOTANY COURSE SEQUENCE

In addition to Biology Core Courses, the Plant Sciences Concentration requires completion of a course sequence in Botany, Horticultural Science, Plant Biotech and Molecular, or Plant Ecology and the Environment in order to complete the required 52 credits for major. You have not selected a track, so have been placed into the Botany track as a default. Click here to Access the Academic Program Change Request to declare your track.

Advanced Plant Science Electives - Choose 3 of the following:		9
BIOL 325	Plant Systematics	
BIOL 327	Horticultural Science	
BIOL 329	Plant-Insect Interactions	
BIOL 424	Mycology	
Biochemistry - Choose 1 of the following:		4
BIOL 324	Plant Biochemistry	
CHEM 326	Biochemistry 1	
Biometry (BIOL 375 recommended) - Choose 1 of the following:		3-4
BIOL 375	Biometry	

MATH 235	Survey of Statistics	
PSYC 211	Principles of Statistics and Experimental Design 1	
Biology Electives - Choose 7 hours from:		7
Any 3-level BIOL course(s)		
Any 4-level BIOL course(s)		
Total Hours		23-24

Req Related for Biology, BS

Code	Title	Hours
For Biology Majors the G2 block of the Liberal Arts Core will be fulfilled by your required related coursework.		

CHEMISTRY

A C- or higher in CHEM 111 and 112 is a pre-requisite for CHEM 235. A C- or higher in CHEM 231 is a pre-requisite for CHEM 232. Students interested in graduate or professional school should take CHEM 231 and 232.

CHEM 111	Introductory Chemistry 1	4
CHEM 112	Introductory Chemistry 2	4
Organic Chemistry - Choose 1 of the following options 1-2:		4-8
Option 1. Short-sequence (recommended)		
CHEM 235	Organic Chemistry	
Option 2. Long-sequence		
CHEM 231	Organic Chemistry 1	
CHEM 232	Organic Chemistry 2	

COMPUTATIONAL

Calculus (MATH 151 recommended) - Choose 1 of the following:		4-5
MATH 151	Calculus for Management	
MATH 161	Calculus 1	
MATH 163H	Honors Calculus 1	

PHYSICS

undefined - Choose 1 of the following options 1-2:		8-10
Option 1. Physics with Algebra		
PHYS 131	Physics 1 with Algebra	
PHYS 132	Physics 2 with Algebra	
Option 2. Physics with Calculus		
PHYS 231	Physics 1 with Calculus	
PHYS 232	Physics 2 with Calculus	

Total Hours		24-31
--------------------	--	--------------