BIOLOGY, B.S. - ANIMAL BEHAVIOR OPTION

Major in Biology, BS

Code	Title	Hours
CORE COURSES (C- or higher required)		24
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	
Option in Animal Behavior - See separate block		
Total Hours		**24**

Appendix 1. Foundations of Biology

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

Concentration in Animal Behavior

Code	Title	Hours
REQUIRED FOUNDATIONS (10 credits)		
BIOL 385	Principles of Animal Behavior	3
Mechanisms of Animal Behavior or Animal Physiology - Choose 1 of the following:		3
BIOL 484	Mech of Animal Behavior	
BIOL 435	Animal Physiology	
Behavioral Ecology or Applied Ethology - Choose 1 of the following:		3
BIOL 486	Behavioral Ecology	
BIOL 483	Applied Ethology	
Seminar in Animal Behavior - Choose 1 of the following:		2
BIOL 470	Biology Colloquium	
BIOL 472	Seminar In Biology	
PRACTICAL EXPERIENCE (1 to 3 credits)		
Coop, Internship, Research Project in Animal Behavior - Choose 1 hour from:		1
BIOL 300	Co-Op Ed Experience in Biol	
BIOL 489	Honors Course	
BIOL 498	Independent Study	
BIOL 499	Departmental Honors	
REQUIRED ELECTIVES (9 to 11 credits)		
undefined - Choose 9 hours from:		9
BIOL 484	Mech of Animal Behavior	
BIOL 435	Animal Physiology	
BIOL 486	Behavioral Ecology	
BIOL 483	Applied Ethology	
BIOL 470	Biology Colloquium	
BIOL 472	Seminar In Biology	
BIOL 295	Marine Invertebrates	
BIOL 346	Ornithology	
BIOL 396	Ichthyology	
BIOL 415	Mammalogy	
BIOL 416	Entomology	
BIOL 418	Aquatic Entomology	
BIOL 318	Comparative Vertebrate Anatomy	
BIOL 352	Nutritional Science	
BIOL 437	Endocrinology	
BIOL 438	Neurobiology	
BIOL 442	Wildlife Ecology & Management	
BIOL 443	Conservation Biology	
BIOL 329	Plant-Insect Interactions	
In consultation with your advisor, select additional courses listed that will best prepare you for your area of interest in animal behavior. Students interested in pursuing post-graduate work in medicine (Veterinary Medicine) should take BIOL 361 (Microbiology).		
Total Hours		**21**

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. Organic Chemistry I and II		
CHEM 231	Organic Chemistry 1	
CHEM 232	Organic Chemistry 2	
Option 2. Short Course in Organic Chemistry		
CHEM 235	Organic Chemistry	
Biochemistry or Environmental Chemistry - Choose 1 of the following:		4
CHEM 326	Biochemistry 1	
CHEM 375	Environmental Chemistry	
MATHEMATICS FOR ANIMAL BEHAVIOR		
Biometry (recommended), Survey of Statistics, or Stats Exp Design I - Choose 1 of the following:		3-4
BIOL 375	Biometry	
MATH 235	Survey of Statistics	
PSYC 211	Principles of Statistics and Experimental Design 1	
Calc for Mgmt, Calculus I or Honors Calculus - 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	
GENERAL PSYCHOLOGY		
PSYC 100	General Psychology	3
Total Hours		**34-42**