

Biology - Pre-Health Professional Track

Common Program Prerequisites			Credits	Grade	Biology Laboratories Courses			Credits	Grade
BSC2010C	Biology I (GEP)	(PR: High school biology)	4		Section A	Complete at least 1 Core Lab from the following:			
(A min. grade of "C" (2.0) is required in BSC2010C subsequent biology courses)					PCB3044L*	Principles of Ecology Lab	1		
BSC2011C	Biology II	(PR: A "C" (2.0) or better in BSC 2010C)	4			(PR/CR: PCB3044)			
(A min. grade of "C" (2.0) is required in BSC2011C subsequent biology courses)					PCB3063L*	Genetics Laboratory	1		
CHM2045C	Chemistry Fundamentals I (GEP)		4		PCB4683L*	Evolutionary Biology Lab	1		
(PR: Chemistry Placement Exam. And C (2.0) or better in MAC 1105)					Section B Complete at least 1 Core/Non-Core: from above or designated with †				
CHM2046	Chemistry Fundamentals II		3						
(PR: A min. grade of "C" (2.0) is required in CHM2045C and MAC1105C)					Upper Division Required and Restricted Electives (22 credits) (Must have a "C" or better in each prerequisite course) A student cannot choose both BCH4053 and BCH4024 to fulfill the following requirement.				
CHM2046L	Chemistry Fundamentals Lab	(PR/CR: CHM2046)	1						
PHY2053	College Physics I	(PR: MAC1105C & MAC1114C)	3		Complete at least (9 hrs) from the following:				
PHY2053L	College Physics I Lab	(PR/CR: PHY2053 w/ a "C" or better)	1						
PHY2054	College Physics II	(PR: PHY2053 w/ a "C" or better)	3		BCH4024	Medical Biochemistry	4		
PHY2054L	College Physics II Lab	(PR/CR: PHY2054 w/ a "C" or better)	1		BCH4053	Biochemistry I	3		
STA2023	Statistical Methods I (GEP)		3		PCB4514*	Genetics II	3		
(PR: MGF1106 or any other MAC course)					PCB4723*	Animal Physiology (A)	4		
MAC2233	Concepts of Calculus		3		ZOO3713*	Comparative Vertebrate Anatomy (A)	4		
(PR: Math Placement Exam or MAC1140C w/ A "C" or better)					ZOO4603C*†	Embryology/Development (A)	5		
Core Requirements: Basic Level (8-9 credits)					Complete at least (5 hrs) from the following:				
CHM2210	Organic Chemistry I		3		BCH4024	Medical Biochemistry	4		
(PR: A "C" (2.0) or better in CHM 2046)					BCH4053	Biochemistry I	3		
CHM2211	Organic Chemistry II		3		BCH4054	Biochemistry II	3		
(PR: A "C" (2.0) or better in CHM 2210)					BOT4850*	Medical Botany (P)	3		
CHM2211L	Organic Laboratory Techniques I		2		MCB3020C	General Microbiology	5		
(PR: A C (2.0) or better in both CHM 2046L and CHM 2210)					PCB3233	Immunology	3		
(CHM2205 followed by CHM3120 and CHM3120L can also be taken to meet this requirement)					PCB3522	Molecular Biology I	3		
Biology Core Requirements: Advanced Level					PCB3703C	Human Physiology	4		
PCB3044*	Principles of Ecology		3		PCB4514*	Genetics II	3		
(PR: CHM2045 and a "C" or better in both BSC2010C & BSC2011C)					PCB4678*	Evolution and Medicine	3		
PCB3063*	Genetics		3		PCB4723*	Animal Physiology (A)	4		
(PR: CHM2046C and a "C" or better in BSC2010C)					ZOO3713*	Comparative Vertebrate Anatomy (A)	4		
PCB3023*	Molecular Cell Biology		3		ZOO4205C*†	Invertebrate Biodiversity (A)	4		
(PR: CHM2210 or CHM2205 and a "C" or better in BSC2010C & PCB3063)					ZOO4513*	Animal Behavior (A)	4		
PCB4683*	Evolutionary Biology		4		ZOO4603C*†	Embryology/Development (A)	5		
(PR: JR Standing & a "C" or better in PCB3063)					ZOO4756C*†	Comparative Vertebrate Histology (A)	4		
UCF GPA: _____ Major GPA: _____ Restricted Elective: _____					Independent Study/Directed Research: May include a maximum of 4hrs towards restricted electives- (Completed with Biology Faculty)				

Biology Major B.S. – Pre-Health Track
Upper Division Restricted Electives (22 credits)
(Must have a "C" or better in each prerequisite course)

RESTRICTED COURSES

Complete at least (6 hrs) from the following:

ANT3550C - Primatology	PCB3343L* - Principles of Field Ecology
BCH4024 - Medical Biochemistry	PCB3354* - Tropical Ecology and Conservation
BCH4053 - Biochemistry I	PCB3355L* - Tropical Marine Biology
BCH4054 - Biochemistry II	PCB3442* - Aquatic Ecology
BOT3015* - Principles of Plant Science (P)	PCB3522 - Molecular Biology I
BOT3018C*† - Cul Botany Across the Cultures (P)	PCB3522H - Honors Molecular Biology I
BOT3802* - Ethnobotany (P)	PCB3703C - Human Physiology
BOT4223C*† - Plant Anatomy (P)	PCB4301C*† - Wetland Ecology & Biogeochemistry
BOT 4282C*† - Plant Microtechniques	PCB4315C*† - Marine Ecology of Florida
BOT4303C*† - Plant Kingdom (P)	PCB4353* - Fl Ecology, Natural History and Conserv
BOT4430C*† - Biology of Fungi (P)	PCB4353L*† - Florida Ecology Lab
BOT4503C*† - Plant Physiology (P)	PCB4402* - Disease Ecology & Ecoimmunology
BOT4530C*† - Plant Genomics and Biochem (P)	PCB4413* - Sensory Ecology
BOT4713C*† - Plant Taxonomy (P)	PCB4462* - GIS for Biologists and Ecologists
BOT4850* - Medical Botany (P)	PCB4514* - Genetics II
BOT4922* - Plant Science Capstone	PCB4524 - Molecular Biology II
BOT 4970H - Honors Undergrad. Thesis	PCB4575* - Wildlife Genomics
BSC3052* - Conservation Biology	PCB4678* - Evolution and Medicine
BSC3312* - Principles of Marine Biology	PCB4683L* - Evolutionary Biology Lab
BSC3453C* - Bio Res. Meth & Exp Design	PCB4684* - Population Genetics
BSC 4310* - Service Learning Marine Conserv	PCB4723* - Animal Physiology (A)
BSC4312C*† - Advanced Marine Biology	PCB5435C* - Marine Ecology of Florida
BSC4330* - Invasion Biology	ZOO3454* - Ichthyology (A)
BSC4445C*† - Genomics Laboratory	ZOO3713* - Comparative Vertebrate Anatomy (A)
BSC4456C* - Programming for Biologists	ZOO 3713L*† - Comp Vert Anat Lab
BSC4473C* - Scientific Diving	ZOO3733C - Human Anatomy
BSC4821* - Biogeography	ZOO4205C*† - Invertebrate Biodiversity (A)
BSC4861L* - Urban Ecological Field Studies	ZOO4272* - Ornithology (A)
BSC4910C* - Group Effort Applied Research in Bio	ZOO4310C*† - Vertebrate Evolution & Ecology (A)
BSC4927* - Sci and Public Engage for Bio Majors	ZOO4405C*† - Sea Turtle Ecology, Conserv Intern (A)
ENY3571*† - Honey Bee Biology and Beekeeping (A)	ZOO4462C*† - Herpetology (A)
ENY4004C*† - General Entomology (A)	ZOO4480* - Mammalogy (A)
MCB3020C - General Microbiology	ZOO4480L*† - Mammalogy Lab
OCE3008* - Oceanography	ZOO4513* - Animal Behavior (A)
PAZ4234* - Zoo and Aquarium Management	ZOO4603C*† - Embryology/Development (A)
PCB3044L* - Principles of Ecology Laboratory	ZOO4756C*† - Comparative Vertebrate Histology (A)
PCB3063L* - Genetics Laboratory	ZOO4910L*† - Res in Animal Beh. in a Zoo Env (A)
PCB3233 - Immunology	

All Biology Major Students must complete at least one course dealing exclusively with Zoology (A) and one course dealing exclusively with Botany (P)

*** Classes taught in the UCF Biology Department**

† Each track must complete one of the following laboratories

(All Biology Students **MUST** complete the Biology Exam Exit after completing the Biology Core Courses.)
(The Exam **MUST** be taken and passed by the deadline date Posted on the Testing Website within your Graduating Semester)