Outline for Biology Major Requirements (B.S.)											
Common Pro	gram Prerequisites		Biology Lab	oratories Courses							
			Credits	Grade			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 BSC20100	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 BSC20110	Subsequent biology courses)	_		PCB3063L*	Genetics Laboratory	1				
CHM2045C	Chemistry Fundamental	<mark>ls I (GEP)</mark>	4								
	(PR: Chemistry Placement Exam	. And C (2.0) or better in MAC 1105)			PCB4683L*	Evolutionary Biology Lab	1				
CHM2046	Chemistry Fundamental	<mark>ls II</mark>	3								
		required in CHM2045C and MAC1105C)			Section B	Complete at least 1 Core/Non-Core: from above or design	gnated below w	ith †			
CHM2046L	Chemistry Fundamental	<mark>ls Lab</mark> (PR/CR: CHM2046)	1								
					BOT3018C*†	Culinary Botany Across the Cultures (P)	4				
PHY2053	College Physics I	(PR: MAC1105C & MAC1114C)	3		BOT4223C*†	Plant Anatomy (P)	4				
PHY2053L	College Physics I Lab	(PR/CR: PHY2053 w/ a "C" or better)	1		BOT 4282C*†	Plant Microtechniques	4				
					BOT4303C*†	Plant Kingdom (P)	4				
PHY2054	College Physics II	(PR: PHY2053 w/ a "C" or better)	3		BOT4503C*†	Plant Physiology (P)	4				
PHY2054L	College Physics II Lab	(PR/CR: PHY2054 w/ a "C" or better)	1		BOT4530C*†	Plant Genomics and Biochemistry (P)	4				
					BOT4713C*†	Plant Taxonomy (P)	5				
STA2023	Statistical Methods I (GI	<mark>EP)</mark>	3		BSC 4312C*†	Adv Marine Biol	4				
	(PR: MGF1106 or any other	MAC course)	_		BSC 4445C*†	Genomics Lab	4				
MAC2233	Concepts of Calculus		3		ENY3571*†	Honey Bee Biology and Beekeeping (A)	3				
	(PR: Math Placement Exam or MAC1140C w/ A "C" or better)				ENY4004C*†	General Entomology (A)	4				
					PCB 4301C*†	Wetland Eco & Biogeochem.	4				
					PCB 4353L*†	FL Ecology Lab	1				
Core Requirements: Basic Level (8-9 credits)					PCB 4315C*†	Marine Ecology of Florida	4				
CHM2210	Organic Chemistry I		3		ZOO 3713L*†	Comp Vert Anat Lab	1				
	(PR: A "C" (2.0) or better in	CHM 2046)			ZOO 4205C*†	Invertebrate Biodiversity	4				
CHM2211	Organic Chemistry II		3		ZOO4310C*†	Vertebrate Evolution & Ecology (A)	4				
	(PR: A "C" (2.0) or better in	CHM 2210)	_		ZOO4405C*†	Sea Turtle Conservation Internship (A)	3				
CHM2211L	Organic Laboratory Tecl	<mark>hniques I </mark>	2		ZOO4462C*†	Herpetology (A)	4				
	(PR: A C (2.0) or better in bo	oth CHM 2046L and CHM 2210)	_		ZOO 4480L*†	Mammalogy Lab	1				
(CHM2205 followed by CHM3120 and CHM3120L can also be taken					ZOO4603C*†	Embryology/Development (A)	5				
to meet this requirement)					ZOO4756C*†	Comparative Vertebrate Histology (A)	4				
					ZOO4910L*†	Res in Animal Beh. in a Zoo Env (A)	3				
Biology Core Requirements: Advanced Level			Credits	Grade							
PCB3044*	Principles of Ecology		3		•	* All Biology Major Students must complete at least one course	9				
DCD20C2*	,	better in both BSC2010C & BSC2011C)	2			dealing exclusively with Zoology (A) and one course dealing					
PCB3063*	Genetics	an hattan in DCC2010C)	3		ĺ	exclusively with Botany (P).					
DCB2022*	(PR: CHM2046C and a "C" o		າ		Haner Divis	rian Paguirod and Postricted Floatives /22 and its					
PCB3023*	Molecular Cell Biolog	Y 5 and a "C" or better in BSC2010C & PCB3063)	3 -		opper Divis	sion Required and Restricted Electives (22 credits)					
PCB4683*	Evolutionary Biology	o and a C of Detter III B3CZUIUC & PCB3UB3)	4			Please see the roadmaps to determine which Required and Restricted Electives are needed for the Track of your choice.					
C04003			4 -		ł	nestricted Electives are freeded for the frack of your Choice.					
	(PR: JR Standing & a "C" or	better in PCB3063)			la de se e	ot Chudu/Dinastad Danasak Basa '	of				
LICE GDA+	Major GDA	Postricted Floative				nt Study/Directed Research: May include a maximu					
UCF GPA:	Major GPA:	Restricted Elective:			41115 towar	ds restricted electives- (Completed with Biology Fa	cuityj				

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

ESTRICTED COURSES			
omplete at least (22 hrs) from the following:	PCB3233 - Immunology		
NT3550C - Primatology	3	PCB3343L* - Principles of Field Ecology	
CH4024 - Medical Biochemistry	4	PCB3354* - Tropical Ecology and Conservation	
3CH4053 - Biochemistry I		PCB3355L* - Tropical Marine Biology	
H4054 - Biochemistry II	3	PCB3442* - Aquatic Ecology	
3OT3015* - Principles of Plant Science (P)		PCB3522 - Molecular Biology I	
T3018C*† - Cul Botany Across the Cultures (P)	4	PCB3522H - Honors Molecular Biology I	
OT3802* - Ethnobotany (P)		PCB3703C - Human Physiology	
OT4223C*† - Plant Anatomy (P)		PCB4301C*† - Wetland Ecology & Biogeochemistry	
3OT 4282C*† - Plant Microtechniques		PCB4315C*† - Marine Ecology of Florida	
OT4303C*† - Plant Kingdom (P)		PCB4353* - Fl Ecology, Natural History and Conserv	
OT4430C*† - 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	
OT4713C*† - Plant Taxonomy (P)		PCB4462* - GIS for Biologists and Ecologists	
4850* - Medical Botany (P)	3	PCB4514* - Epigenetics	
4922* - Plant Science Capstone	2	PCB4524 - Molecular Biology II	
4970H - Honors Undergrad. Thesis		PCB4575* - Wildlife Genomics	
052* - Conservation Biology	3	PCB4678* - Evolution and Medicine	
312* - Principles of Marine Biology	3	PCB4683L* - Evolutionary Biology Lab	
453C* - Bio Res. Meth & Exp Design	3	PCB4684* - Population Genetics	
1310* - Service Learning Marine Conserv	3	PCB4723* - Animal Physiology (A)	
312C*† - Advanced Marine Biology	4	PCB5435C* - Marine Ecology of Florida	
330* - Invasion Biology	3	ZOO3454* - Ichthyology (A)	
SC4445C*† - Genomics Laboratory		ZOO3713* - Comparative Vertebrate Anatomy (A)	
3SC4456C* - Programming for Biologists		ZOO 3713L*† - Comp Vert Anat Lab	
SC4473C* - Scientific Diving		ZOO3733C - Human Anatomy	
BSC4821* - Biogeography		ZOO4205C*† - Invertebrate Biodiversity (A)	
SC4861L* - Urban Ecological Field Studies		ZOO4272* - Ornithology (A)	
SC4910C* - Group Effort Applied Research in Bio		ZOO4310C*† - Vertebrate Evolution & Ecology (A)	
927* - Sci and Public Engage for Bio Majors	3	ZOO4405C*† - Sea Turtle Ecology, Conserv Intern (A)	
ENY3571*† - Honey Bee Biology and Beekeeping (A)		ZOO4462C*† - Herpetology (A)	
NY4004C*† - General Entomology (A)		ZOO4480* - Mammalogy (A)	
33020C - General Microbiology	5	ZOO4480L*† - Mammalogy Lab	
3008* - Oceanography	3	ZOO4513* - Animal Behavior (A)	
1234* - Zoo and Aquarium Management	3	ZOO4603C*† - Embryology/Development (A)	
8044L* - Principles of Ecology Laboratory	1	ZOO4756C*† - Comparative Vertebrate Histology (A)	
3063L* - Genetics Laboratory	1	ZOO4910L*† - Res in Animal Beh. in a Zoo Env (A)	
		ZOO3930 - Intro to Zoology (A)	