

Name _____
UCFID _____

General Biology B.S Track
Fall 2016 to Spring 2021

Advisor	Date
BSC 3052*	Conservation Biol _____ 3
BSC 3312*	Princ Marine Biol _____ 3
BSC 3453*	Bio Res. Meth & Exp Design _____ 3
BSC 4312C*†	Adv Marine Biol _____ 4
BSC 4330*	Invasion Biology _____ 3
BSC 4445C*†	Genomics Lab _____ 4
BSC 4456C*	Programming for Bio _____ 3
BSC 4473C*	Scientific Diving _____ 4
BSC 4821*	Biogeography _____ 4
BSC 4861L*	Urban Ecology... _____ 3
BSC 4910C*	Group Effort Applied Resear _____ 4
BSC 4927*	Scientific Engagement _____ 3
BSC 4932*	Service Learning Marine Conserv _____ 3
BSC 5258L*	Trop Bio Research _____ 3
BSC 5316*	Marine Conservation _____ 4
a. ENY 3571*†	Honey Bee Bio& Beekeeping _____ 3
a. ENY 4004C*†	General Entomology _____ 4
MCB 3020C	Gen Microbiology _____ 5
OCE 3008*	Oceanography _____ 3
a. PAZ 4234*	Zoo& Aquarium Mgt _____ 3
PCB 3044L*	Ecology Lab _____ 1
PCB 3063L*	Genetics Lab _____ 1
PCB 3233	Immunology _____ 3
PCB 3343L*	Princ Field Ecology _____ V
PCB 3354*	Tropic Ecology & Cons. _____ 3
PCB 3355L*	Tropical Marine Bio _____ 2
PCB 3442*	Aquatic Ecology _____ 3
PCB 3522	Molec Bio I _____ 3
PCB 3703C	Human Physiology _____ 4
PCB 4301C*†	Wetland Eco & Biogeochem. _____ 4
PCB 4353*	Fl Eco., Nat. Hist. & Cons. _____ 3
PCB 4353L*†	FL Ecology Lab _____ 1
PCB 4402*	Disease Eco & Immunology _____ 3
a. PCB 4413*	Sensory Ecology _____ 3
PCB 4462*	GIS for Biologists _____ 3
PCB 4514*	Genetics II _____ 3
PCB 4315C*†	Marine Ecology of Florida _____ 3
PCB 4524	Molec Bio 2 _____ 3
PCB 4575*	Wildlife Genomics _____ 3
PCB 4683L*	Evol. Biology Lab _____ 1
PCB 4678*	Evolution in Medicine _____ 3
PCB 4684*	Population Genetics _____ 3
a PCB 4723*	Animal Physiology _____ 4
PCB 5326C*	Ecosystems of Fl _____ 5
PCB 5435C*	Marine Ecology of Fl _____ 4
PCB 5485*	Models in Ecology _____ 3
a ZOO 3713C*†	Comp Vert Anat _____ 5
ZOO 3733C	Human Anatomy _____ 4
a ZOO 3454*	Ichthyology _____ 3
a ZOO 4205C*†	Invertebrate Biodiversity _____ 4
a ZOO 4272*	Ornithology _____ 3
a ZOO 4310C*†	Vert Evo and Eco _____ 4
a ZOO 4405C*†	Sea Turtle Internship _____ 3
a ZOO 4462C*†	Herpetology _____ 4
a ZOO 4480*	Mammalogy _____ 4
ZOO 4480L*†	Mammalogy Lab _____ 1
a ZOO 4513*	Animal Behavior _____ 3
a ZOO 4603C*†	Embryology/Develop _____ 5
a. ZOO 4756C*†	Comp Vert Histology _____ 4
a. ZOO 4910L*†	Res Exp in Zoo Env _____ 3

5A. Cognate Sciences Core (31-33 hours)

Chemistry Placement Test: CHM1025 Intro to Chemistry _____ 2

CHM 2045C Chemistry Fundamentals I	_____ 4
CHM 2046 Chemistry Fundamentals II	_____ 3
CHM 2046L Chemistry Fundamentals Lab	_____ 1

CHM 2210	CHM 2205	_____ 3/5
CHM 2211 or	CHM 3120	_____ 3/3
CHM 2211L	CHM 3120L	_____ 2/1

PHY 2053C (or +L) or PHY 2048C (or +L)	_____ 4/3+1
PHY 2054C (or +L) or PHY 2049C (or +L)	_____ 4/3+1

Math Placement Test: MAC1105____, MAC1114____, MAC 1140____,

MAC 2311 or MAC 2233 or MAC 2253 Calculus_____ 4

STA 2023 Statistical Methods I _____ 3

5B. Lab requirement- Two labs

At least one of these labs must come from section A - Core.

A - Core:

•PCB 3044L - Ecology lab _____

•PCB 3063L - Genetics lab _____

•PCB 4683L - Evolutionary Biology Lab _____

B - Non-Core: designated with †

6. 22 hours of restricted electives are required, with following stipulations: _____ of 22 hours _____ RE GPA

- ❖ Courses must be selected from those listed below.
- ❖ Include one course exclusively on animals (marked a) _____, and one exclusively on plants (marked p) _____.
- ❖ At least 10 of the 22 hours must be courses offered by the Department of Biology (designated with an *). _____ of 10
- ❖ Independent Study/Directed Research: May include a maximum of 4hrs towards restricted electives- (Completed with Biology Faculty)
- ❖ 5000 level courses may be taken by seniors with prior permission of course instructor. You will be charged graduate level tuition.

6A. Restricted Electives (22 hrs)

Upper division restricted electives

a. ANT 3550C	Primateology	_____ 3
BCH 4024	Medical Biochemistry	_____ 4
BCH 4053	Biochemistry 1	_____ 3
BCH 4054	Biochemistry 2	_____ 3
p. BOT 3015*	Principles of Plant Science	_____ 3
p. BOT 3018C*†	Culinary Botany	_____ 4
p. BOT 3802*	Ethnobotany	_____ 3
p. BOT 4223C*†	Plant Anatomy	_____ 4
BOT 4282C*†	Plant Microtechniques	_____ 4
p. BOT 4303C*†	Plant Kingdom	_____ 4
p. BOT 4430C*†	Biology of Fungi	_____ 4
p. BOT 4503C*†	Plant Physiology	_____ 4
p. BOT 4530C*†	Plant Genomics and Biochem	_____ 4
p. BOT 4713C*†	Plant Taxonomy	_____ 5
p. BOT 4850*	Medical Botany	_____ 3
BOT 4922*	Plant Science Capstone	_____ 2
BOT 4970H	Honors Undergrad. Thesis	_____ 3

1. State General Education Core

- Communication Foundation: ENC 110
- Cultural Foundation: HUM2020, MUL2010, THE2000, PHI2010
- Mathematical Foundation: MAC1105C, MAC2311C, MGF1106, MGF1107, STA2023
- Social Foundation: ECO2013, POS2041, AMH2020, PSY2012, SYG2000, ANT2000
- Science Foundation: CHM 2045C, BSC 2010C

2. General Education Program (36 Hours)

[See COSAS for assistance with GEP planning]

Communication Foundations

- ENC 1101 - Composition I
- ENC 1102 - Composition II
- SPC 1603C - Fundamentals of Technical Presentations

Cultural & Historical Foundations

- Mathematical Foundations

Mathematics

- MAC 2311C - Calculus with Analytic Geometry I

Statistics

- STA 2023 - Statistical Methods I

Social Foundations

Science Foundations

- BSC 2010C - Biology I
- CHM 2045C - Chemistry Fundamentals I

3. University Requirements

- ❖ 9 hours of summer enrollment (total) in academic career. _____ of 9
- ❖ At least 2.0 needed: _____ UCF GPA _____ Major GPA
- ❖ 48 hours 3xxx-4xxx level – 35 Biology requires = 13 hours left (to be satisfied with free electives or minor) _____ of 13

4. Major Requirements

- ❖ A minimum of 2.0 in all UCF courses taken in common program prerequisites, Biology core, and upper division restricted electives.
- ❖ A minimum of a C (2.0) in all Biology offered Core Classes is required for graduation.
- ❖ Exit Exam- to be completed upon completion of Biology core courses
- ❖ Departmental Residency Requirement: _____ of 22
 - o 22 hours of regularly scheduled upper division courses must be taken in the UCF Biology Department.

5. Biology core courses (21 hours)

BSC 2010C Gen Biology	_____ 4
BSC 2011C Biology 2	_____ 4
PCB 3023 Molec Cell Bio	_____ 3
PCB 3044 Ecology	_____ 3
PCB 3063 Genetics	_____ 3
PCB 4683 Evolutionary Biology	_____ 4

Note: If all requirements are satisfied on the road map, your major is satisfied. Please consult with COSAS for a final graduation check on all university requirements.