

Fall 2023

General Biology B.S Track
Summer 2021 - Present

Name _____
UCFID _____

1. State General Education Core

- Communication Foundation: ENC 1101
- 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
- ❖ 42 hours 3xxx-4xxx level – 35 Biology requires = 7 hours left (to be satisfied with free electives or minor) _____ of 7

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	Thomas/Yeargain
BSC 2011C Biology 2	Donnelly/Yeargain
PCB 3023 Molec Cell Bio	Sotero 3
PCB 3044 Ecology	Chambers/Donnelly
PCB 3063 Genetics	Bayer 3
PCB 4683 Evolutionary Biology	Gaither 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.

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	Harris 3
p. BOT 3018C*†	Culinary Botany	_____ 4
p. BOT 3802*	Ethnobotany	Vajravelu 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	Mason 4
p. BOT 4530C*†	Plant Genomics and Biochem	_____ 4
p. BOT 4713C*†	Plant Taxonomy	_____ 5
p. BOT 4850*	Medical Botany	Vajravelu 3
BOT 4922*	Plant Science Capstone	Vajravelu 2
BOT 4970H	Honors Undergrad. Thesis	_____ 3

Advisor	Date		
BSC 3052*	Conservation Biol	King	3
BSC 3312*	Princ Marine Biol		3
BSC 3453*	Bio Res. Meth & Exp Design	Mason	3
BSC 4310*	Service Learning Marine Conserv	Walters	3
BSC 4312C*†	Adv Marine Biol		4
BSC 4330*	Invasion Biology	Klowden	3
BSC 4445C*†	Genomics Lab		4
BSC 4456C*	Programming for Bio	Goolsby	3
BSC 4473C*	Scientific Diving		4
BSC 4821*	Biogeography	Jenkins	4
BSC 4861L*	Urban Ecology...		3
BSC 4910C*	Group Effort Applied Resear		4
BSC 4927*	Scientific Engagement		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	Crampton	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.	KlowderB	3
PCB 4353L*†	FL Ecology Lab	Klowden	1
PCB 4402*	Disease Eco & Immunology	Fedarka	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	Savage	3
PCB 4683L*	Evol. Biology Lab		1
PCB 4678*	Evolution in Medicine		3
PCB 4684*	Population Genetics		3
a. PCB 4723*	Animal Physiology	Sotero	4
PCB 5326C*	Ecosystems of Fl		5
PCB 5435C*	Marine Ecology of Fl		4
PCB 5485*	Models in Ecology		3
a. ZOO 3713*	Comp Vert Anat	Logiudice	4
ZOO 3713L*†	Comp Vert Anat Lab	Logiudice	1
ZOO 3733C	Human Anatomy		4
a. ZOO 3454*	Ichthyology	Crampton	3
a. ZOO 4205C*†	Invertebrate Biodiversity	Fauth	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	Logiudice	3
a. ZOO 4603C*†	Embryology/Develop	Bayer	5
a. ZOO 4756C*†	Comp Vert Histology		4
a. ZOO 4910L*†	Res Exp in Zoo Env	Logiudice	3

Offered

Updated 6/28/22

Subject to change