1. State General Education Core
- Communication Foundation: ENC 110
- Mathematical Foundation: MAC1105C, MAC2311C, MGF1106, MGF1107, STA2023
- 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
  - MAC 2311C - Calculus with Analytic Geometry I
  - STA 2023 - Statistical Methods I

3. University Requirements
- 9 hours of summer enrollment (total) in academic career. ___ of ___
- At least 2.0 needed: ______UCF GPA ______ Major GPA
- 48 hours 3xxx-4xxx level – 35 Biology requires 12 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 and Required Electives is required for graduation.
- Exit Exam- to be completed upon completion of Biology core course.
- Departmental Residency Requirement: _____ of 22
  - 22 hours of regularly scheduled upper division courses must be taken in the UCF Biology Department.

5. Biology core courses (21 hours)
BSC 2010C Biology
- BSC 2011C Biology
- PCB 3023 Molec Cell Bio
- PCB 3044 Ecology
- PCB 3065 Genetics
- PCB 4683 Evolutionary Biology

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

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Marine & Aquatic Biology Track
Catalog Year: 2020-2021

5A. Cognate Sciences Core (31-33 hours)
- PCB 3044L - Ecology lab
- PCB 3063L - Genetics lab
- PCB 4683L - Evolutionary Biology Lab

Math Placement Test: MAT1033C, MAC1105, MAC1114, MAC 1140, STA 2211 or MAC 2233 or MAC 2253

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.

Required Electives (choose one of the following courses) (3hr)
- BSC 3312* Principles of Marine Biology
- OCE 3008* Oceanography
- PCB 3442* Aquatic Ecology

Restricted Electives (12 hrs)
- BSC 4312C* Adv Marine Biol
- BSC 4932* Scientific Diving
- OCE 3008* Oceanography
- PCB 3355* Tropical Marine Bio
- PCB 3442* Aquatic Ecology
- PCB 4301C* Wetland Eco & Biogeochem
- PCB 4316C* Marine Ecology of Florida
- a. PAZ 4234* Zoofl Aquarum Mgt
- a. PCB 3063L* Ecology Lab
- PCB 3233 Immunology
- a. PCB 3345L* Princ Field Ecology
- a. PCB 3355L* Tropical Marine Bio
- PCB 3442* Aquatic Ecology
- PCB 3703C Human Physiology
- a. PCB 3401C* Wetland Eco & Biogeochem
- PCB 3416C* Marine Ecology of Florida
- a. PCB 4335L* FL Eco, Nat Hot & Cons
- a. PCB 4353L* FL Natural History Lab
- a. PCB 4402* Disease Eco & Immunology
- a. PCB 4413* Sensory Ecology
- PCB 4514* Genetics II
- PCB 5352 Molec Bio I
- PCB 4525 Molec Bio II
- PCB 4575* Wildlife Genomics
- PCB 4683L* Evol. Biology Lab
- PCB 4678* Evolution in Medicine
- PCB 4684* Population Genetics
- a. PCB 4723* Animal Physiology
- a. PCB 4923* GIS for Biologists
- a. PCB 5326C Ecosystems of FL
- PCB 5435C Marine Ecology of FL
- PCB 5485* Models in Ecology
- a. ZOO 3713C* Comp Vert Anat
- ZOO 3733C Human Anatomy
- a. ZOO 4205C* Bio and Eco Meta Inv
- a. ZOO 4301C* Vert Evo and Eco
- a. ZOO 4405C* Sea Turtle Internship
- a. ZOO 4409* Mammalogy
- a. ZOO 4409L* Mammalogy Lab
- a. ZOO 4513* Animal Behavior
- a. ZOO 4662C* Herpetology
- a. ZOO 4605C* Embryology/Develop
- a. ZOO 4753C* Comp Vert History
- a. ZOO 3545* Ichthyology
- a. ZOO 4272* Ornithology
- a. ZOO 4910L* Res Exp in Zoo Env

Additional Biology Electives: (7 hours)
- a. ANT 3550C Primatolgy
- BCH 4024 Medical Biochemistry

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Advisor __________________________ Date _______