1. State General Education Foundation
- Communication: ENC 110
- Mathematical: MAC1105C, MAC2311C, MGF1106, MGF1107, STA2023
- Science: CHM 2045C, BSC 2010C

2. General Education Program (36 Hours)
- See COSAS for assistance with GEP planning

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 = 13 hours left

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 courses.
   - Departmental Residency Requirement: ___ of ___

5. Biology core courses (21 hours)
   - BSC 2510C Vertebrate 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

6. 22 hours of restricted electives are required, with following stipulations:
   - 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 *).
   - Independent study/directed research: may include a maximum of 4
   - 5000 level courses may be taken by seniors with prior permission of course instructor. You will be charged graduate level tuition.

- Required Electives (3hrs)
  - BSC 3312* Principles of Marine Biology 3

- Restricted Electives (12 hrs)
  - BSC 4312C*+ Adv Marine Biol 4
  - BSC 4821* Biogeography 4
  - OCE 3008* Oceanography 3
  - PCB 3044L* Ecology Lab 1
  - PCB 3355L* Tropical Marine Bio 2
  - PCB 3442* Aquatic Ecology 3
  - PCB 4316C* Marine Ecology of Florida 4
  - a PCB 4723* Animal Physiology 4
  - a PAZ 4234* Zooq. Aquarium Mgt 3
  - a ZOO 3713C* Comp Vert Anat 5
  - a ZOO 4205C* Bio and Eco Meta Inv 4
  - a ZOO 4310C* Vet Ecol and Eco 4
  - a ZOO 4405C* Sea Turtle Internship 3
  - a ZOO 4480* Mammalogy 4
  - a ZOO 4480L* Mammalogy Lab 1
  - a ZOO 4513* Animal Behavior 3
  - a ZOO 3454* Ichthyology 3

5A. Cognate Sciences Core (31-33 hours)
   - CHM 2045C (or CHM 2040_2041) 4/3
   - CHM 2046 3
   - CHM 2040L 1
   - CHM 2210 CHM 2205 3/5
   - CHM 2211 or CHM 3120 3/3
   - CHM 2211L CHM 3120L 2/1
   - PHY 2053C or PHY 2048C 4
   - PHY 2054C PHY 2048C 4

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 *

5C. Placement Test: MAT1033C, MAC1105C, MAC1114C, MAC 1140C
   - STA 2023

Additional Biology Electives: (7 hours)
   - a. AN 3550C Primatology 3
   - BCH 4024 Medical Biochemistry 4
   - BCH 4053 Biochemistry 4 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
   - p. BOT 4303C+ Plant Kingdom 4
   - p. BOT 4282L+ Plant Microtechniques 2
   - p. BOT 4978H Honors Undergrad Thesis 2
   - p. BOT 4922* Plant Science Capstone 2
   - p. BOT 4434C+ Gen Mycology 4
   - p. BOT 4503C+ Plant Physiology 4
   - p. BOT 4530C* Plant Genomics 3
   - p. BOT 4713C+ Plant Taxonomy 5
   - p. BSC 3043* GIS for Biologists 3
   - p. BSC 3052* Conservation Biol 4
   - p. BSC 4821* Biogeography 3
   - p. BOT 4580* Medical Botany 4
   - p. BSC 3131* Princ Marine Biol 3
   - p. BSC 3453* Bio Res. Meth & Exp Design 3
   - p. BSC 4312C+ Adv Marine Biol 4
   - p. BSC 4330* Invasion Biology 3
   - p. BSC 4456C* Programming for Bio 3
   - p. BSC 4445C* Genomics Lab 4
   - p. BSC 4861L* Urban Ecology 3
   - p. BSC 4972* Scientific Engagement 3
   - p. BSC 5258L* Trop Bio Research 4
   - p. BSC 5316* Marine Conservation 4
   - p. ENY 3571* Honey Bee Biol & Beekeeping 3
   - p. ENY 4004C* General Entomology* 4
   - p. MCB 3020C Gen Microbiology 3
   - p. OCE 3008* Oceanography 3
   - p. A PAZ 4234* Zooq. Aquarium Mgt 3
   - p. PCB 3044L* Ecology Lab 1
   - p. PCB 3063L* Genetics Lab 1
   - p. PCB 3233 Immunology 3
   - p. PCB 3345L* Princ Field Ecology 3
   - p. PCB 3354* Tropic Ecology & Cons. 3
   - p. PCB 3355L* Tropical Marine Bio 2
   - p. PCB 3442* Aquatic Ecology 3
   - p. PCB 3703C Human Physiology 4
   - p. PCB 4031C* Wetland Eco & Biegeom. 4
   - p. PCB 4316C* Marine Ecology of Florida 3
   - p. PCB 4353* Fl Natural History 4
   - p. PCB 4353L* Fl Natural History Lab 1
   - p. PCB 4402* Disease Eco & Immunology 3
   - p. PCB 4415* Sensory Ecology 3
   - p. PCB 4514* Genomics 3
   - p. PCB 3522 Molec Bio 3
   - p. PCB 4524* Molec Bio 2
   - p. PCB 4575* Wildlife Genomics 3
   - p. PCB 4638L* Evol. Biology Lab 1
   - p. PCB 4678* Evolution in Medicine 3
   - p. PCB 4684* Population Genetics 3
   - a PCB 4723* Animal Physiology 4
   - a PCB 5325C* Ecosystems of FL 3
   - a PCB 5345C* Marine Ecology of FL 4
   - a PCB 5485* Models in Ecology 3
   - a ZOO 3713C* Comp Vert Anat 5
   - a ZOO 3733C Human Anatomy 4
   - a ZOO 4205C* Bio and Eco Meta Inv 4
   - a ZOO 4310C* Vet Ecol and Eco 4
   - a ZOO 4405C* Sea Turtle Internship 3
   - a ZOO 4480* Mammalogy 4
   - a ZOO 4480L* Mammalogy Lab 1
   - a ZOO 4513* Animal Behavior 3
   - a ZOO 4462C* Herpetology 4
   - a ZOO 4603C* Embryology/Develop 5
   - a ZOO 4753C* Comp Vert Histology 3
   - a ZOO 3454* Ichthyology 3
   - a ZOO 33xx* Ornithology 3
   - a ZOO 4910L* Res Exp in Zoo Env 3