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

2. General Education Program (36 Hours)
[See COSAS for assistance with GEP planning]
Communication Foundations
- ENC 1101 - Composition I
- ENC 1112 - Composition II
- SPC 1060C - Fundamentals of Technical Presentations
Cultural & Historical Foundations
- Mathematics Foundations
  - MAC 2311C - Calculus with Analytic Geometry I
- STA 2023 - Statistical Methods I
- Social Foundations
- Science Foundations
  - BSC 2010C - Biology I
  - CHM 2045C - Chemistry Fundamentals

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-4xx 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 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)

   Biology Core (21 hours)
   BSC 2011C Biology 4
   PCB 3023 Molec Cell Bio 3
   PCB 3044 Ecology 3
   PCB 3065 Genetics 3
   PCB 4863 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.

   Marine & Aquatic Biology Track
   Catalog Year: 2016-2019

5A. Cognate Sciences Core (31-33 hours)
   CHM 2045C (or CHM 2040...2041__) 4/3
   CHM 2046 3
   CHM 2046L 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 or PHY 2049C 4

   Math Placement Test: MAT1033C__ MAC1105__ MAC1114__ MAC 1140__
   MAC 2311 or MAC 2233 or MAC 2253 4
   STA 2023 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 4863L - Evolutionary Biology Lab
   B - Non-Core: designated with ✶

6. 22 hours of restricted electives are required, with following stipulations:
   - 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 Biology Faculty.

   Required Electives (choose one of the following courses) (3hr)
   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 3353L* Tropical Marine Bio 2
   PCB 3442* Aquatic Ecology 3
   PCB 4316C* Marine Eco of Florida 4
   a. PCB 4723* Animal Physiology 4
   a. PAZ 4234* Zoo & Aquarium Mgt 3
   a. ZOO 3713C* Comp Vert Anat 5
   a. ZOO 3713C* Comp Vert Anat 5
   a. ZOO 4025C* Bio and Eco Meta Inv 4
   a. ZOO 4300C* Vet Eco 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

   Additional Biology Electives (7 hours)
   a. ANT 3550C Primatology 3
   BCH 4024 Medical Biochemistry 4

   Advisor ___________________ Date ___________