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 1603 - Fundamentals of Technical Presentations
- Cultural & Historical Foundations
- Mathematical Foundations
- 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 and Required Electives is required for graduation.
  - Exit Exam- to be completed upon completion of Biology core courses
  - 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 2040C - 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:
   - 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 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 with seniors with prior permission of course instructor.
   - You will be charged graduate level tuition.

Required Electives (choose two of the following courses) (6-8hr)
- BSC 3052* Conservation Biology 3
- PCB 4682* Population Genetics 3
- PCB 4821* Biogeography 3
- a. ZOO 4310C* Vert Eco and Eco 4
- a. ZOO 4513* Animal Behavior 3

Restricted Electives (choose from following) (7-9 hrs)
- **Classes that satisfy the Required Electives cannot duplicate towards this section. Any Required Electives taken in excess of two will count here.**

   - of 22

   - 22 hours of regularly scheduled upper division courses must be taken in the UCF Biology Department.

   - BSC 4030C* Plant Physiology 4
   - BSC 4053C* Plant Physiology 4
   - BSC 4713C* Plant Taxonomy 5
   - PHY 2053C or PHY 2045C or PHY 2049C 4/3
   - PHY 2054C or PHY 2045C or PHY 2049C 4/3

- Math Placement Test: MAT1033C, MAC1105C, MAC1140, MAC 1140C
- 22 hours of regularly scheduled upper division courses must be taken in the UCF Biology Department.

   - PCB 3044L* Intro to Chemistry 3
   - PCB 3431L* Bio Res. Meth & Exp Design 3
   - MAC 2311C or MAC 2253 or MAC 2253 Calculus 5
   - STA 2023 Statistical Methods I 3

   - a. MCB 3020C* Botany 3
   - a. PCB 3343L* Earth, Nat. Hist. & Cons. 3
   - a. PCB 3044L* Evolution in Medicine 3
   - a. PCB 3355L* Medical Botany 3
   - a. PCB 3044L* Human Physiology 3
   - a. PCB 3342* Medical Botany 3
   - a. PCB 3354* Human Physiology 3
   - a. PCB 3354* Medical Botany 3

   - a. PCB 4402* Sensory Ecology 3
   - a. PCB 4413* Sensory Ecology 3
   - a. PCB 4426* GIS for Biologists 3
   - a. PCB 4426* Genomics Lab 3

   - a. PCB 4437* Scientific Diving 3
   - a. PCB 4861L* Urban Ecology 3
   - a. PCB 4910C* Group Effort Applied Researh 4
   - a. PCB 4927* Scientific Engagement 3
   - a. PCB 4932* Service Learning Marine Conserv 3
   - a. PCB 5258L* Trop Bio Research 3
   - a. PCB 3036L* Marine Conservation 3
   - a. PCB 3233 Immmunology 3
   - a. PCB 3343L* Prin. Field Ecology 3
   - a. PCB 3354* Tropic Ecology & Cons. 3
   - a. PCB 3355L* Tropical Marine Bio 3
   - a. PCB 3342* Aquatic Ecology 3
   - a. PCB 3452* Molec Bio I 3
   - a. PCB 3522* Medical Botany 3
   - a. PCB 4469* Medical Botany 3
   - a. PCB 4478* Medical Botany 3
   - a. PCB 4484* Evolution in Medicine 3
   - a. PCB 4486* Aquatic Ecology 3
   - a. PCB 4484* Medical Botany 3
   - a. PCB 4469* Medical Botany 3
   - a. PCB 4478* Medical Botany 3
   - a. PCB 4484* Evolution in Medicine 3
   - a. PCB 4486* Aquatic Ecology 3
   - a. PCB 4484* Medical Botany 3
   - a. PCB 4469* Medical Botany 3
   - a. PCB 4478* Medical Botany 3
   - a. PCB 4484* Evolution in Medicine 3
   - a. PCB 4486* Aquatic Ecology 3
   - a. PCB 4484* Medical Botany 3
   - a. PCB 4469* Medical Botany 3

- of 5-9 hours

- 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

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.