1. State General Education Core
- Communication Foundation: ENC110
- Mathematical Foundation: MAC1105C, MAC2311C, MGFL106, MGFL1107, STA2023
- Science Foundation: 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 9
- At least 2.0 needed: ________UCF GPA ________ Major GPA
- 48 hours 3xxx-4xxx level – 35 Biology requires = 12 hours (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 2010C Gen Biology 4
- BSC 201 Anatomic 2 4
- PCB 3025 Molec Cell Bio 3
- PCB 3044 Ecology 3
- PCB 3063 Genetics 3
- PCB 4685 Evolutionary Biology 4

6. Pre-Professional Biology Track

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 2054CH PHY 2049C 4

Math Placement Test: MAC1105C, MAC1114C, MAC 1140C, MAC 2311 or MAC 2233 or MAC 2253 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 a

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 two from the following (9-10hr)
- BCH 4405
  - BCH 4024 Medical Biochemistry 4
  - OR BCH 4024 Medical Biochemistry 4
  - PCB 4514* Genetics II 3
  - a PCB 4723* Animal Physiology 4
  - a ZOO 3713C* Comp Vert Anat 5
  - a ZOO 4603C* Embryology/Develop 5

Restricted Electives (choose from following) (5-6 hrs)
- BCH 4024 Medical Biochemistry 4
- BCH 4053 Biochemistry 1 3
- BCH 4054 Biochemistry 2 3
- a. BOT 4850* Medical Botany 3
- p. BOT 3015* Principles of Plant Science 3
- a. BOT 3018C* Culinary Botany 3
- p. BOT 3802* Ethnobotany 3
- a. BOT 4233C* Plant Anatomy 4
- p. BOT 4282L* Plant Microtechniques 3
- a. BOT 4303C* Plant Kingdom 6
- p. BOT 4503C* Plant Physiology 4
- a. BOT 4503C* Plant Genetics and Biochem 4
- p. BOT 4653C* Biology of Fungi 4
- a. BOT 4713C* Plant Taxonomy 5
- p. BOT 4850* Medical Botany 3
- a. BOT 4970H Honors Undergrad Thesis 3
- a. BOT 4922* Plant Science Capstone 2
- a. BSC 3052* Conservation Biol 3
- a. BSC 3312* Prin Marine Biol 3
- a. BSC 4312C* Adv Marine Biol 4
- a. BSC 3453* Bio Res. Meth & Exp Design 3
- a. BSC 4856C* Programming for Bio Genomics Lab 3
- a. BSC 4445C* Biogeography 3
- a. BSC 4821* Invasion Biology 3
- a. BSC 4861* Urban Ecology... 3
- a. BSC 4927* Scientific Engagement 3
- a. BSC 4932* Scientific Driving 4
- a. BSC 5280L* Top Bio Research 3
- a. BSC 5316C* Marine Conservation 4
- a. ENY 3571* Honey Bee Biol & Beekeeping 3
- a. ENY 4000C* General Entomology 4
- a. MCB 3020C Gen Microbiology 5
- a. OCE 3008* Oceanography 3
- a. PAZ 4234* Zool Aquatim Mgt 4
- a. PCB 3044L Ecology Lab 1
- a. PCB 3063L Genetics Lab 1
- a. PCB 3233 Immunology 3
- a. PCB 3343L Prin Field Ecology 3
- a. PCB 3354* Tropic Ecology & Cons. 3
- a. PCB 3355L* Tropical Marine Biol 4
- a. PCB 3442* Aquatic Ecology 4
- a. PCB 3703C* Human Physiology 4
- a. PCB 4301C* Wetland Ecol & Biogeochem. 4
- a. PCB 4316C* Marine Ecology of Florida 4
- a. PCB 4353* FL Ecol, Nat. Hist, & Cons. 3
- a. PCB 4353L* FL Ecology Lab 3
- a. PCB 4462* Disease Eco & Immunology 3
- a. PCB 4413* Sensory Ecology 3
- a. PCB 4514* Genetics II 3
- a. PCB 3525 Molec Bio 1 3
- a. PCB 4462* GIS for Biologists 3
- a. PCB 4524 Molec Bio 2 3
- a. PCB 4575* Wildlife Genomics 3
- a. PCB 4683L* Evol. Biology Lab 1
- a. PCB 4678* Evolution in Medicine 3
- a. PCB 4684* Population Genetics 3
- a. PCB 4723* Animal Physiology 4
- a. PCB 5326* Ecosystems of Fl 4
- 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 3
- a. ZOO 4025C* Bio and Eco Meta Inv 4
- a. ZOO 4053* Bio and Eco Meta Inv 4
- a. ZOO 4305C* Vert Evo and Eco 4
- a. ZOO 4405C* Sea Turtle Internship 4
- a. ZOO 4480* Mammalogy 4
- a. ZOO 4480L† Mammalogy Lab 1
- a. ZOO 4513* Animal Behavior 3
- a. ZOO 4603C* Embryology/Develop 5
- a. ZOO 4753C* Comp Vert Histology 4
- a. ZOO 4354* Ichthyology 3
- a. ZOO 4272* Ornithology 3
- a. ZOO 4910L† Res Exp in Zoo Env 3

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.

Additional Biology Electives: (6-8 hours)
- a. ANT 3550C Primateology 3

Advisor_________________________ Date _____________