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)
   Communication Foundations
   1. ENC 1101
   2. ENC 1102
   3. SPC 1603, SPC 1608, COM 1000
   Cultural & Historic Foundations
   4. EUH 2000 or AMH 2010 or HUM 2210 or WOH2012
   5. ARH 2050, ARH 2051, MUL 2010, PHI 2010, LIT 2110, LIT 2120, THE2000, FIL 1000 or REL2300
   6. One additional course from Group 4 or 5

3. University Requirements
   - 9 hours of summer enrollment (total) in academic career.
   - 2.0 UCF GPA
   - 48 hours 3xx–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 is required for graduation.
   - Exit Exam- to be completed the term you graduate.
   - Departmental Residency Requirement: 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
   - BSC 2011C Biology
   - PCB 3023 Molec Cell Bio
   - PCB 3044 Ecology
   - PCB 3063 Genetics
   - PCB 4685 Evolutionary Biology

6. Biology major program
   - Required Electives (3hr)
     - BSC 3312* Principles of Marine Biology
   - Restricted Electives (12 hrs)
     - BSC 4312C* Adv Marine Biol
     - BSC 4821* Biogeography
     - OCE 3008* Oceanography
     - PCB 3044L* Ecology Lab
     - PCB 3355L* Tropical Marine Bio
     - PCB 3442* Aquatic Ecology
     - PCB 4721* Animal Physiology
     - PCB 4234* Zool Aquat Mgmt
     - a ZOO 3743C* Comp Vert Anat
     - a ZOO 4205C* Bio and Eco Meta Inv
     - a ZOO 4310C* Vert Evo and Eco
     - a ZOO 4480* Mammalogy
     - a ZOO 4513* Animal Behavior
     - a ZOO 3xxx* Ichthyology

Additional Biology Electives (7 hours)
   - a. ANT 3550 Primatology
   - a. BCH 4053 Biochemistry I

Marine & Aquatic Biology Track

5A. Cognate Sciences Core (31-33 hours)
   - Chemistry Placement Test: CHM 2040_ or CHM 2041, or CHM 2045
     - CHM 2045C (or CHM 2040c_ 2041c) 4/3
     - CHM 2046
     - CHM 2046L
     - PHY 2053C or PHY 2040L
     - PHY 2054C PHY 2049 & L

Math Placement Test: MAC1105, MAC1114, MAC 1140
   - MAC 2311
   - STA 2023

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
   - Non-Core: designed with 

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 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 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 (3hr)
   - BSC 3312* Principles of Marine Biology

Restricted Electives (12 hrs)
   - BSC 4312C Adv Marine Biol
   - BSC 4821 Biogeography
   - OCE 3008 Oceanography
   - PCB 3044L Ecology Lab
   - PCB 3355L Tropical Marine Bio
   - PCB 3442 Aquatic Ecology
   - PCB 4723 Animal Physiology
   - PCB 4234 Zool Aquat Mgmt
   - a ZOO 3713C Comp Vert Anat
   - a ZOO 4205C Bio and Eco Meta Inv
   - a ZOO 4310C Vert Evo and Eco
   - a ZOO 4480 Mammalogy
   - a ZOO 4513 Animal Behavior
   - a ZOO 3xxx Ichthyology

Additional Biology Electives (7 hours)
   - a. ANT 3550 Primatology
   - a. BCH 4053 Biochemistry I

Advisor: __________________________ Date: ________

BCH 4054 Biochemistry 2
p. BOT 3xxx Principles of Plant Science
p. BOT 3018C Culinary Botany
p. BOT 3802 Ethnobotany
p. BOT 4232C Plant Anatomy
p. BOT 4303C Plant Kingdom
p. BOT 4xxx Plant Microtechniques
p. BOT 4xxx Plant Science Capstone
p. BOT 4434C Gen Mycology
p. BOT 4503C Plant Physiology
p. BOT 4713C Plant Taxonomy
p. BSC 3052 Conservation Biol
p. BSC 4821 Biogrophy
p. BOT 4850 Medicinal Botany
p. BSC 3312 Princ Marine Biol
p. BSC 4312C Adv Marine Biol
p. BSC 4330 Invasion Biology
p. BSC 4861L Urban Ecology
p. BSC 5258L Trop Bio Research
a. ENY 3xxx Honey Bee Bioı&Beekeeping
a. ENY 4004C General Entomology
a. MCB 3020C General Microbiology
a. OCE 3008 Oceanography
a. P 4234 Zooq Aquarium Mgt
p. PCB 3044L Ecology Lab
p. PCB 3063L Genetics Lab
p. PCB 3233 Immunology
p. PCB 3343L Princ Field Ecology
p. PCB 3554* Tropic Eco & Cons.
p. PCB 3355L Tropical Marine Bio
p. PCB 3442 Aquatic Ecology
p. PCB 3703C Human Physiology
p. PCB 4xxx Wetland Eco & Biogochem
p. PCB 4353* FL Natural History
p. PCB 4402 Disease Eco & Immunology
p. PCB 4514 Genetics
p. PCB 3522 Molec Bio I
p. PCB 4524 Molec Bio 2
p. PCB 4683L Evol. Biology Lab
p. PCB 4678* Evolution in Medicine
p. PCB 4684* Population Genetics
a. PCB 4723 Animal Physiology
a. PCB 4932C Genomics Lab
p. PCB 5163C Marine Conservation
p. PCB 5326C Ecosystems of FL
p. PCB 5435C Marine Ecology of FL
p. PCB 5485* Models in Ecology
a. ZOO 3713C Comp Vert Anat
a. ZOO 3733C Human Anatomy
a. ZOO 4205C Bio and Eco Meta Inv
a. ZOO 4310C Vert Evo and Eco
a. ZOO 4480 Mammalogy
a. ZOO 4480L Mammalogy Lab
a. ZOO 4513 Animal Behavior
a. ZOO 4642C Herpetology
a. ZOO 4603C Embryology/Develop
a. ZOO 4753C Comp Vert Histology
a. ZOO 3xxx Ichthyology
a. ZOO 3xxx Ornithology