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)
   Communications Foundations
   1. ENC 1101
   2. ENC 1102
   3. SPC 1603, SPC 1608, COM 1000
   3. Social & Cultural & Historical Foundations
   4. EUH 2000 or AMH 2010 or HUM 2210 or WOH2012
   5. ARH 2050, ARH 2051, MUL 2010, PHI 2010
   6. One additional course from Group 4 or 5
   (Can be the sequential to the above courses)
   Mathematical Foundations
   7. MAC 2311
   8. STA 2023
   10. AMH 2020 or ECO2013 or ECO 2023 or POS 2041
   Science Foundations
   11. CHM 2045C
   12. BSC 2010C

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
   - Department Residency Requirement: ______ of 22
     o 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 2 ___
   PCB 3023 Molec Cell 3
   PCB 3044 Ecology ___
   PCB 3063 Genetics ___
   PCB 4683 Evolutionary Biology ___

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 *), ___ of 10
   - Independent Study/Directed Research: May include a maximum of
     4hrs towards restricted electives- (Complied 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 of the following four courses) (6-Shr)
   BSC 3052* Conservation Biol ___
   BSC 4821 Biogeography ___
   PCB 4684* Population Genetics ___
   a ZOO 4310C** Vet Eco and Evo ___

   Restricted Electives (choose from following) (7-9 hrs)
   p. BOT 4303C* Plant Kingdom ___
   BSC 4330* Evolution Biology ___
   BSC 4821 Biogeography ___
   BSC 4305* Conservation Biol ___
   BSC 4861L Urban Ecology ___
   PCB 3343L* Princ Field Ecology ___
   PCB 3044L* Ecology Lab ___
   PCB 3355L* Tropical Marine Bio ___
   PCB 3442* Aquatic Ecology ___
   PCB 4684L Population Genetics ___
   a ZOO 4723* Animal Physiology ___
   PCB 5326C Ecosystems of Fl ___
   PCB 5435C* Marine Ecology of Fl ___
   PCB 5465* Models in Ecology ___
   a ZOO 3713C* Comp Vert Anat ___
   ZOO 3733C Human Anatomy ___
   a ZOO 4205C* Bio and Eco Meta Inv ___
   a ZOO 4310C* Vet Eco and Evo ___
   a ZOO 4480* Mammalogy ___
   a ZOO 4480L Mammalogy ___
   a ZOO 4513* Animal Behavior ___
   a ZOO 4462C* Herpetology ___
   a ZOO 4603C* Embryology/Develop ___
   a ZOO 4756C* Comp Vert History ___
   a ZOO 3454* Ichthyology ___
   a ZOO 33xx Ornithology ___
   a ZOO 4911L* Res Exp in Zoo Env ___

   Additional Biology Electives: (5-9 hours)
   a. ANT 3550 Primatology ___
   BCH 4053 Biochemistry ___
   BCH 4054 Biochemistry 2 ___
   p. BOT 3015* Principles of Plant Science ___
   p. BOT 3018C* Botany ___
   p. BOT 3802* Ethnobotany ___
   p. BOT 4223C* Plant Anatomy ___
   p. BOT 4303C* Plant Kingdom ___
   p. BOT 4628L* Plant Microtechniques ___
   p. BOT 8922* Plant Science Capstone ___
   p. BOT 4434C* Gen Mycology ___
   p. BOT 4503C* Plant Physiology ___
   p. BOT 4713C* Plant Taxonomy ___
   BSC 3052* Conservation Biol ___
   BSC 4821* Biogeography ___
   p. BOT 4850* Medicinal Botany ___
   BSC 3312* Prim Marine Biol ___
   BSC 4312C* Adv Marine Biology ___
   BSC 4330* Invasion Biology ___
   BSC 4445C* Genomics Lab ___
   BSC 4353* Bio Res. Meth & Exp Design ___
   BSC 4861L* Urban Ecology ___
   BSC 5258L* Trop Bio Research ___
   BSC 5316C* Marine Conservation ___
   a. ENY 3571* Honey Bee Bio & Beekeeping ___
   a. ENY 4004C* General Entomology ___
   MCB 3020C Gen Microbiology ___
   OCE 3008* Oceanography ___
   p. PAZ 4234* Zoo & Aquarium Mgt ___
   PCB 3044L* Ecology Lab ___
   PCB 3063L* Genetics Lab ___
   PCB 3233* Immunology ___
   PCB 3343L* Princ Field Ecology ___
   PCB 3354* Tropic Ecology & Cons. ___
   PCB 3355L* Tropical Marine Bio ___
   PCB 3442* Aquatic Ecology ___
   PCB 3703C Human Physiology ___
   PCB 4301C* Wetland Eco & Biogrochem. ___
   PCB 4383* Fl Natural History ___
   PCB 4402* Disease Eco & Immunology ___
   PCB 4514* Genetics 2 ___
   PCB 3522* Molec Bio I ___
   PCB 4524* Molec Bio 2 ___
   PCB 4575* Wildlife Genomics ___
   PCB 4683L* Evol. Biology Lab ___
   PCB 4678* Evolution in Medicine ___
   PCB 4684* Population Genetics ___
   a. ZOO 4723* Animal Physiology ___
   PCB 5326C* Ecosystems of Fl ___
   PCB 5345C* Marine Ecology of Fl ___
   PCB 5465* Models in Ecology ___
   a ZOO 3713C* Comp Vert Anat ___
   ZOO 3733C Human Anatomy ___
   a ZOO 4205C* Bio and Eco Meta Inv ___
   a ZOO 4310C* Vet Eco and Evo ___
   a ZOO 4480* Mammalogy ___
   a ZOO 4480L Mammalogy ___
   a ZOO 4513* Animal Behavior ___
   a ZOO 4462C* Herpetology ___
   a ZOO 4603C* Embryology/Develop ___
   a ZOO 4756C* Comp Vert History ___
   a ZOO 3454*Ichthyology ___
   a ZOO 33xx Ornithology ___
   a ZOO 4911L* Res Exp in Zoo Env ___

Road Map: Ecology, Evolutionary and Conservation Biology
Catalog Year: 2016-2017

5A. Cognate Sciences Core (31-33 hours)
   CHM 2045C (or CHM 2040_2041____) ___4/3___
   CHM 2046L ___
   CHM 2046L ___
   CHM 2210 CHM 3120 ___3/3___
   CHM 2211L or CHM 2205 ___3/3___
   CHM 2211L CHM 3120L ___2/1___
   PHY 2053C or PHY 2048 & L ___4___
   PHY 20540 or PHY 2049 & L ___4___

Math Placement Test: MAC1105__, MAC1114__, MAC 1140__
MAC 2311 ___4___
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 ___
B - Non-Core: designed with ↑

Advisor_________________________ Date __________