Name ___________________________ 
UCFID ___________________________ 

1. State General Education Core
- Communication Foundation: ENC 110
- Mathematical Foundation: MAC 1105C, MAC 2311C, MGF 1106, MGF 1107, STA 2023
- 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
    - STA 2043 - Statistical Methods I
- Social Foundations
  - Science Foundations
    - BSC 2010C - Biology I
    - CHM 2045C - Chemistry Fundamentals I
- Mathematics
- MAC 2311C - Calculus with Analytic Geometry I
- STA 2043 - Statistical Methods 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 2010A - Aauric Biology 4
- CHM 2045C - Chemistry I 4
- BSC 2011C - Biology 2 4
- PCB 3023 - Molec Cell Bio 4
- 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.

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Pre-Professional Biology Track
Catalog Year: 2016-2019

5A. Cognate Sciences Core (31-33 hours)
- CHM 2045C (or CHM 2040_2041_2042) 4/3/2
- CHM 2046 3
- CHM 2046L 1
- CHM 2210 3/3/3
- CHM 2211 or CHM 3129 3/3
- CHM 2211L 2/1
- PHY 2053C or PHY 2048C 4
- PHY 2054C or PHY 2049C 4

Math Placement Test: MAT 1033C, MAC 1105C, MAC 1114C, 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 4683L - Evolutionary Biology Lab
- **B - Non-Core: designated with †

6. 22 hours of restricted electives are required, with the following stipulations:
- __________ of 22 hours ______ RE GPA
- Courses must be selected from those listed below.
- Include one course exclusively on animals (marked ) and one exclusively on plants (marked ♦)
- 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 required 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 of the following courses) (9-10 hrs)
- PCB 4723* Animal Physiology 4
- a. ZOO 3713C* Comp Vert Anat 5
- a. ZOO 4603* Embryology/Dev 5

Restricted Electives (5-6 hrs)
- BCH 4053 Biochemistry 1 3
- BCH 4054 Biochemistry 2 3
- p. BOT 4505 Principles of Plant Science 3
- p. BOT 4506 Principles of Animal Science 3
- p. PCB 3044 Principles of Microbiology 3
- p. PCB 3063 Principles of Genetics 3
- a. ZOO 3713C* Animal Physiology 4
- a. ZOO 3753C* Human Anatomy 4
- a. ZOO 3713C* Comp Vert Anat 5
- a. ZOO 3713C* Animal Physiology 4
- a. ZOO 3713C* Embryology/Dev 5
- a. ZOO 4603* Embryology/Dev 5

Additional Biology Electives: (7 hours)
- a. ANT 3550C Primateology 3

Advisor________________________ Date ________

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BCH 4024 Medical Biochemistry 4
BCH 4053 Biochemistry 1 3
BCH 4054 Biochemistry 2 3
p. BOT 3015 Principles of Plant Science 3
p. BOT 3018C* Principles of Plant Anatomy 3
p. BOT 3080 Principles of Animal Anatomy 3
p. BOT 4232C* Principles of Animal Physiology 3
p. BOT 4305C* Principles of Animal Behavior 3
p. BOT 4520 Principles of Animal Nutrition 3
p. BOT 4590 Principles of Animal biochemistry 3
p. BOT 4530C* Principles of Plant Biochemistry 3
p. BOT 4653C* Principles of Plant Morphology 3
p. BOT 4715C* Principles of Plant Taxonomy 3
BSC 3052 Conservation Biol 3
BSC 4821 Biogeography 3
p. BOT 4850C* Principles of Medical Botany 3
BSC 3132 Principles of Marine Biology 3
BSC 3453 Principles of Bio Res. Meth & Exp Design 3
BSC 4312C* Principles of Marine Biology 3
BSC 4330 Principles of Invasion Biology 3
BSC 4456C* Principles of Programming for Bio 3
BSC 444C* Principles of Genomics 3
BSC 4861C* Principles of Urban Ecology… 3
BSC 4927C Principles of Scientific Engagement 3
BSC 4932C Principles of Scientific Computing 3
BSC 5285L Principles of Topo Research 3
BSC 5316 Principles of Marine Conservation 3
a. ENY 3571 Principles of Animal Behavior & Breeding 3
a. ENY 4000C Principles of General Entomology 3
MCB 3020C Principles of Gen Microbiology 3
OCE 3008 Principles of Oceanography 3
a. PAZ 4234 Principles of Zoological Mgmt 3
PBC 3044L Principles of Ecology Lab 3
PBC 3063L Principles of Genetics Lab 3
PBC 3233 Principles of Immunology 3
PBC 3343L Principles of Princ Field Ecology 3
PBC 3354 Principles of Tropic Ecology & Cons. 3
PBC 3355L Principles of Tropical Marine Bio 3
PBC 3442 Principles of Aquatic Ecology 3
PBC 3703C Principles of Human Physiology 3
PBC 4301C Principles of Wetland Ecol & Biogeochem. 3
PBC 4316C Principles of Marine Ecology of Florida 3
PBC 4333 Principles of FL. Ecol., Nat Hist & Cons. 3
PBC 4406 Principles of Disease Eco & Immunology 3
PBC 5050 Principles of Wildlife Genetics 3
PBC 4683L Principles of Evo. Biol Lab 3
PBC 4678 Principles of Evolution in Medicine 3
PBC 4684 Principles of Population Genetics 3
a. PCB 4723 Principles of Animal Physiology 3
PBC 4932 Principles of GIS for Biologists 3
PBC 5326 Principles of Ecosystems of FI 3
PBC 5345C Principles of Marine Ecology of FI 3
PBC 5485 Principles of Models in Ecology 3
a. ZOO 3713C Principles of Comp Vert Anat 5
a. ZOO 3733C Principles of Human Anatomy 5
a. ZOO 4205C Principles of Bio and Eco Meta Inv 4
a. ZOO 4310C Principles of Vert Ecol and Eco 4
a. ZOO 4495C Principles of Sea Turtle Internship 4
a. ZOO 4480 Principles of Mammalogy Lab 4
a. ZOO 4481 Principles of Mammalogy Lab 4
a. ZOO 4513 Principles of Animal Behavior 3
a. ZOO 4462C Principles of Herpetology 4
a. ZOO 4603C Principles of Embryology/Dev 5
a. ZOO 4715C Principles of Comp Vert Histology 4
a. ZOO 4354 Principles of Ichthyology 3
a. ZOO 4272 Principles of Ornithology 3
a. ZOO 4910 Principles of Res Env in Zoo Env 3