Name ____________________________

UCFID ____________________________

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 - Communication Foundations

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 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 _____
   BSC 2011C Biology 2 _____
   PCB 3023 Molec Cell Bio _____
   PCB 3044 Ecology _____
   PCB 3063 Genetics _____
   PCB 4683 Evolutionary Biology _____

   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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5A. Cognate Sciences Core (31-33 hours)

Chemistry Placement Test: CHM2040, CHM2041, or CHM2045

- CHM 2045C (or CHM 2040_2041) 4/3
- CHM 2046
- CHM 2046L

- CHM 2210 CHM 2205 3/5
- CHM 2211 or CHM 3120 3/3
- CHM 2211L CHM 3120L 2/1

- PHY 2053C or PHY 2048C
- PHY 2054C PHY 2049C

Math Placement Test: MATI003C, MAC1105C, MAC1114_, MAC1140

- 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 4639L - Genetics lab
  - PCB 4683L - Evolutionary Biology lab

- B - Non-Core: designated with ↑

6. 22 hours of restricted electives are required, with following stipulations: 22 hours of advanced 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 *).

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 regular level tuition.

Required Electives (3hr)
p. BOT 3802* Ethnobotany 3

Restricted Electives (choose from following) (12 hrs)
p. BOT 3018C** Culinary Botany 4
p. BOT 4225C** Plant Anatomy 4
p. BOT 4303C** Plant Kingdom 4
p. BOT 4503C** Plant Physiology 4
p. BOT 4713C** Plant Taxonomy 4
p. BOT 4850* Medical Botany 3

- BSC 4330* Invasion Biology 3
- BSC 4456C* Programming for Bio 3
- BSC 4455C* Genomics Lab 3
- BSC 4861L* Urban Ecology 3
- BSC 4927* Scientific Engagement 3
- BSC 4932* Scientific Diving 3
- BSC 5316* Marine Conservation 4
- BSC 5258L* Trop Bio Research 3

a. ENY 3571* Honey Bee Bio & Beekeeping 3
a. ENY 4004** General Entomology 4
a. MCB 3020C Gen Microbiology 5
a. OCE 3008* Oceanography 3

a. PCB 4324* Zoo & Aquarium Mgt 3
p. PCB 3044L Ecology Lab 1
p. PCB 3063L Genetics Lab 1
p. PCB 3233 Immunology 3
p. PCB 3343L Princ Field Ecology 3
p. PCB 3354* Tropic Ecology & Cons. 3
p. PCB 4335L Tropical Marine Bio 2
p. PCB 4342* Aquatic Ecology 3
p. PCB 3703C Human Physiology 4
p. PCB 4301C Wetl Ecos & Biogeochem. 3
p. PCB 4316C* Marine Ecology of Florida 3
p. PCB 4353* Fl Natural History 3
p. PCB 4353L* FL Natural History Lab 1
p. PCB 4402* Disease Ecos & Immunology 3

a. PCB 4413* Sensory Ecology 3
a. PCB 4514* Genetics 2
p. PCB 3522 Molec Bio I 3
p. PCB 4524 Molec Bio 2 3
p. PCB 4575* Wildlife Genetics 3
p. PCB 4683L* Evol. Biology Lab 1
p. PCB 4678* Evolution in Medicine 3
p. PCB 4684* Population Genetics 3

a. PCB 4723* Animal Physiology 4
p. PCB 4932* GIS for Biologists 3
p. PCB 5326C* Ecosystems of Fl 5
p. PCB 5435C* Marine Ecology of Fl 4

p. PCB 5486* Models in Ecology 3
a. ZOO 3713C** Comp Vert Anat 5
a. ZOO 3733C Human Anatomy 3
a. ZOO 4205C** Bio and Eco Meta Inv 4
a. ZOO 4210C** Vet Ecos and Eco 4
a. ZOO 4405C** Sea Turtle Internship 3
a. ZOO 4408* Mammalogy 3
a. ZOO 4408L* Mammalogy Lab 1

a. ZOO 4513* Animal Behavior 3
a. ZOO 4406C** Herpetology 4
a. ZOO 4600C** Embryology/Develop 5
a. ZOO 4756C* Comp Vert Histology 4

a. ZOO 4354* Ichthyology 3
a. ZOO 4272* Ornithology 3
a. ZOO 4910L* Res Exp in Zoo Env 3

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