1. State General Education Core
- Communication Foundation: ENC 2110

2. General Education Program (36 Hours)
Communications Foundations
1. ENC 1110
2. ENC 1102
3. SPC 1603, SPC 1608, COM 1000

3. University Requirements
- 9 hours of summer enrollment (total) in academic career: __________ of 9
- At least 2.0: ______ 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 2010C Gen Biology ______
BSC 2011C Biology ______
PCB 3023 Molec Cell Bio ______
PCB 3044 Ecology ______
PCB 3063 Genetics ______
PCB 4863 Evolutionary Biology ______

6. 22 hours of restricted electives are required, with following stipulations: ______ of 22 hours
   - 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 Elective (3hr)
- BOT 3015* Principles of Plant Science ______

Restricted Electives (choose at least one course from Group A and two from Group B) Remaining credits can be from any group (14 hrs)

Group A
- BOT 4922* Plant Science Capstone ______
- BOT 4979H Honors Undergraduate Thesis ______

Group B
- BOT 4223C* Plant Anatomy ______
- BOT 4303C* Plant Physiology ______
- BOT 4503C* Plant Physiology ______
- BOT 4713C* Plant Taxonomy ______
- BOT 4912 Directed Independent Research ______
- BOT 4922L* Plant Microtechniques ______
- PCB 3453* Bio Res. Meth & Exp Design ______

Group C (Other Restricted Electives)
- BOT 3802* Ethnobotany ______
- BOT 3018C* Culinary Botany ______
- BOT 4850* Medicinal Botany ______
- BSC 4330* Invasion Biology ______
- PCB 3354* Tropic Ecology & Cons. ______

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

Chemistry Placement Test: CHM2040*, CHM2041, or CHM2045

CHM 2045C or CHM 2040____2041____ ______
- 43

CHM 2046 ______

CHM 2046L ______

CHM 2210 CHM 3120 ______
- 33

CHM 2211 or CHM 2205 ______
- 33

CHM 2211L CHM 3120L ______
- 21

PHY 2053C or PHY 2048 & L ______
- 44

PHY 2054C or PHY 2049 & L ______
- 44

Math Placement Test: MAC1105, MAC1114, MAC 1140

MAC 2311 ______
- 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 4863L - Evolutionary Ecology Lab

B. Non-Core: designed with a

p. Bot 4850* - Medicinal Botany
p. Bot 3312* - Prinic Marine Biol
p. Bot 4330* - Invasion Biology
p. Bot 5258L* - Trop Bio Research

a. ENY 3571* - Honey Bee Bio & Beekeeping
a. ENY 4004C* - General Entomology
MCB 3020C - Gen Microbiology
OCE 3008* - Oceanography
a. PAZ 4234* - Zoo & Aquarium Mgt
PCB 3044L* - Ecology Lab
PCB 3063L* - Genetics Lab
PCB 3233 - Immunology
PCB 3334L* - Princ Field Ecology
PCB 3335* - Tropic Ecology & Cons.
PCB 3355L* - Tropical Marine Bio
PCB 3442* - Aquatic Ecology
PCB 3703C - Human Physiology
PCB 4301C* - Wetland Eco & Biogeochem.
PCB 4353* - FL Natural History
PCB 4402* - Disease Eco & Immunology
PCB 4514* - Genetics 2
PCB 4522* - Molec Bio 1
PCB 4524 - Molec Bio 2
PCB 4575* - Wildlife Genetics
PCB 4683L* - Evol. Biol. Lab
PCB 4678* - Evolution in Medicine
PCB 4684* - Population Genetics
PCB 4723* - Animal Physiology
PCB 5316C* - Marine Conservation
PCB 5326C* - Ecosystems of FI
PCB 5415C* - Marine Ecology of FI
PCB 5465* - 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 Ecol and Eco
a. ZOO 4480* - Mammalogy
a. ZOO 4480L* - Mammalogy Lab
a. ZOO 4513* - Animal Behavior
a. ZOO 4696C* - Herpetology
a. ZOO 4690C* - Embryol/Develop
a. ZOO 4735C* - Comp Vert Histology
a. ZOO 3454* - Ichthyology
a. ZOO 3xx* - Ornithology
a. ZOO 4910L* - Res Exp in Zoo Env

Departmental Residency Requirement: ______ of 13
- At least 2.0 in all UCF courses taken in common
- A minimum of 2.0 in all UCF courses taken in common
- 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.

Additional Biology Electives (5 hours)
a. ANT 3550 - Primatology
BCH 4053 - Biochemistry 1
BCH 4054 - Biochemistry 2
p. BOT 3018C* - Culinary Botany
p. BOT 3802* - Ethnobotany
p. BOT 4223C* - Plant Anatomy
p. BOT 4303C* - Plant Kingdom
p. BOT 4823L* - Plant Microtechniques
p. BOT 4453C* - Gen Mycology
p. BOT 4503C* - Plant Physiology
p. BOT 4713C* - Plant Taxonomy
p. BOT 4850* - Medicinal Botany
p. BSC 3052* - Conservation Biol
BSC 4445C* - Genomics Lab
p. BSC 4821* - Biogeography
p. BOT 4850* - Medicinal Botany
p. BSC 3312* - Prinic Marine Biol
p. BSC 4312C* - Adv Marine Biol
p. BSC 4330* - Invasion Biology
p. BSC 3453* - Bio Res. Meth & Exp Design
p. BSC 4861L* - Urban Ecology
p. BSC 5258L* - Trop Bio Research

- Major GPA
- Core.
- * Designed with "†"