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)
   Communications 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 WOH 2012
   5. ARH 2050, ARH 2051, MUL 2010, PHI 2010, LIT 2110, LIT 2120, THE 2000, FIL 1000 or REL 2300
   6. One additional course from Group 4 or 5

3. University Requirements
   9 hours of summer enrollment (total in academic career). At least 2.0 needed: UCF GPA Major GPA GPA
   48 hours 3xxx-4xxx level – 35 Biology required = 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 2
   PCB 3023 Molec Cell Bio
   PCB 3044 Ecology
   PCB 3063 Genetics
   PCB 4863 Evolutionary Biology

6. Departmental Residency Requirement:
   1. CHM 2045C
   2. EUH 2000 or AMH 2010 or HUM 2210 or WOH 2012
   3. SPC 1603, SPC 1608, COM 1000
   4. ENC 1102
   5. ENC 1101
   6. STA 2023

7. Social Foundations
   10. AMH 2020 or ECO2013 or ECO 2023 or POS 2041

8. Mathematical Foundations
   7. MAC 2311
   8. STA 2023

9. STA 2023

10. CHM 2045C

11. SMA 2045C

12. BSC 2010C

13. University Requirements
   9 hours of summer enrollment (total in academic career). At least 2.0 needed: UCF GPA Major GPA GPA
   48 hours 3xxx-4xxx level – 35 Biology required = 13 hours left (to be satisfied with free electives or minor) of 13

14. 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.

15. 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 4863 Evolutionary Biology

Pre-Professional Biology Track
Catalog Year: 2016-2017

5A. Cognate Sciences Core (31-33 hours)
   CHM 2045C (or CHM 2040) 4/3
   CHM 2046
   CHM 2046L
   CHM 2210
   CHM 2205
   CHM 2211 or CHM 3120
   CHM 2211L CHM 3120L
   PHY 2053C or PHY 2048C L
   PHY 2054C PHY 2049 & L

Math Placement Test: MAC 1105 MAC 1114 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 4863L - Evolutionary Biology Lab
   B - Non-Core: designated 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 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 graduate level tuition.

Required Electives Choose two from the following (9-10 hours)
   a. PCB 4723* Animal Physiology
   a. ZOO 3713C* Comp Vert Anat
   a. ZOO 4603C* Embryology/Develop

Restricted Electives (choose from following) (5-6 hrs)
   BCH 4053 Biochemistry I
   BCH 4054 Biochemistry II
   PCB 4312C* Genetics
   PCB 4514* Genetics
   PCB 4678* Evolution in Medicine
   p. BOT 4850* Medical Botany
   MCB 3020C Gen Microbiology
   PCB 3233 Immunology
   PCB 3703C Human Physiology
   PCB 4514* Genetics
   PCB 4678* Evolution in Medicine
   a. ZOO 3713C* Comp Vert Anat
   a. ZOO 3733C Human Anatomy
   a. ZOO 4205C* Bio and Eco Meta Inv
   a. ZOO 4513* Animal Behavior
   a. ZOO 4603C* Embryology/Develop
   a. ZOO 4753C* Comp Vert Histology

Advisor: Additional Biology Electives (6-8 hours)
   a. ANT 3550 Primatology
   BHC 4053 Biochemistry 1
   BHC 4054 Biochemistry 2
   p. BOT 3015* Principles of Plant Science
   p. BOT 3018C* Principles of Plant Science
   Bot 3802* Ethnobotany
   Bot 4223C* Plant Anatomy
   Bot 4282L* Plant Microtechniques
   p. Bot 4030C* Plant Kingdom
   Bot 4434C* Gen Mycology
   p. Bot 4503C* Plant Physiology
   Bot 4713C* Plant Taxonomy
   Bot 4850* Medicinal Botany
   Bot 4922* Plant Science Capstone
   BSC 3052* Conservation Biol
   BSC 3312* Princ Marine Biol
   BSC 4312C* Adv Marine Biol
   BSC 4353* Bio Res. Meth & Exp Design
   BSC 4445C* Genomics Lab
   BSC 4821* Biogeography
   BSC 4330* Invasion Biology
   BSC 4861L* Urban Ecology...
   BSC 5258L* Trop Bio Research
   BSC 5316C* Marine Conservation
   a. ENY 3571* Honey Bee Bookkeeping
   a. ENY 4004C* General Entomology
   MCB 3020C Gen Microbiology
   OCE 3008* Oceanography
   a. PAZ 4234* Zoo & Aquarium Management
   PCB 3044L* Ecology Lab
   PCB 3063L* Genetics Lab
   PCB 3233 Immunology
   PCB 3343L* Prin Plant Ecology
   PCB 3354* Tropic Ecology & Cons.
   PCB 3355L* Tropical Marine Bio
   PCB 3342* 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 I
   PCB 4523* Molec Bio II
   PCB 4575* Wildlife Genomics
   PCB 4683L* Evol. Biology Lab
   PCB 4678* Evolution in Medicine
   PCB 4684* Population Genetics
   PCB 4723* Animal Physiology
   PCB 5326C* Ecosys of Fl
   PCB 5435C* Marine Ecology of Fl
   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 Ecolog
   a. ZOO 4480* Mammalogy
   ZOO 4480L* Mammalogy Lab
   a. ZOO 4513* Animal Behavior
   a. ZOO 4662C* Herpetology
   a. ZOO 4603C* Embryology/Develop
   a. ZOO 4753C* Comp Vert Histology
   a. ZOO 3454* Ichthyology
   a. ZOO 3xxx* Ornithology
   a. ZOO 4910L* Res Exp in Zoo Env