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. EUH 2001 or HUM 2023 or HUM 2020 or WOH 2022
   6. ARH 2050, ARH 2051, MUL 2010, PHI 2010, LIT 2110, LIT 2120, THE 2000, FIL 1000 or REL 2300
   7. MAC 2311
   7a. One additional course from Group 4 or 5
   8. STA 2023

3. University Requirements
   10. AMH 2002 or ECO 2013 or ECO 2023 or POS 2041

4. Science Foundations
   11. CHM 2045C
   12. BSC 2010C

5. University Requirements
   13. 9 hours of summer enrollment (total) in academic career.
   14. At least 2.0 needed: ______UCF GPA ______ Major GPA
   15. 48 hours 3xxx-4xxx level – 35 Biology requires = 13 hours left (to be satisfied with free electives or minor) ______ of 13

6. Major Requirements
   16. A minimum of 2.0 in all UCF courses taken in common program prerequisites, Biology core, and upper division restricted electives.
   17. A minimum of a C (2.0) in all Biology offered Core Classes and Required Electives is required for graduation.
   18. Exit Exam- to be completed upon completion of Biology core courses
   19. Departmental Residency Requirement: ______ of 22
   20. 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

Pre-Professional Biology Track
Catalog Year: 2016-2017

5A. Cognate Sciences Core (31-33 hours)
   CHM 2045C (or CHM 2040__2041__) ______ of 3
   CHM 2046
   CHM 2046L
   CHM 2210
   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 4683L - Evolutionary Biology Lab
   B - Non-Core: designed with 

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 *).
   - Independent Study/Directed Research: May include a maximum of 4 hours 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 (9-10hrs)
   a. PCB 4721* 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.1
   BCH 4054 Biochemistry II
   BOT 4434C* Gen Mycology
   p. BOT 4850* Medicinal Botany
   MCB 3020C Gen Microbiology
   PCB 3233 Immunology
   PCB 3703C Human Physiology
   PCB 4514* Genetics 2
   PCB 4678* Evolution in Medicine
   a. PCB 4723* Animal Physiology
   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
   a. BCH 4053 Biochemistry 1
   a. BCH 4054 Biochemistry 2
   p. BOT 3015* Principles of Plant Science
   p. BOT 3018C** Culinary Botany
   a. BOT 3802* Ethnobotany
   a. BOT 4233C* Plant Anatomy
   a. BOT 4282L* Plant Microtechniques
   p. BOT 4303C* Plant Kingdom
   a. BOT 4434C* Gen Mycology
   a. BOT 4503C* Plant Physiology
   a. BOT 4713C* Plant Taxonomy
   a. BOT 4850* Medicinal Botany
   a. BOT 4922* Plant Science Capstone
   a. BSC 3052* Conservation Biol
   a. BSC 3312* Princ Marine Biol
   a. BSC 4312C* Adv Marine Biol
   a. BSC 4353* Bio Res. Meth & Exp Design
   a. BSC 4445C* Genomics Lab
   a. BSC 4821* Biogeography
   a. BSC 4830* Invasion Biology
   a. BSC 4861L* Urban Ecology
   a. BSC 5258L* Trop Bio Research
   a. ENY 3571* Honey Bee Biodiversity & Keeping
   a. ENY 4004C* General Entomology
   a. MCB 3020C Gen Microbiology
   a. OCE 3008* Oceano"