1. State General Education Core
   - Communication Foundation: ENC 1110 3
   - Mathematical Foundation: MAC 1105C, MAC 2311C,MGF 1106, MGF 1117, STA 2023 3
   - Science Foundation: CHM 2045C, BSC 2010C 3

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

Cultural & Historic Foundations
   4. EUH 2000 or AMH 2010 or HUM 2210 or WOH 2012 3
   5. EUH 2001 or HUM 2020 or HUM 2230 or WOH 2022 3
   6. ARH 2050, ARH 2051, MUL 2010, PHI 2010, LIT 2110, LIT 2120, THE 2000, FIL 1000 or REL 2300 3

3. University Requirements
   - 9 hours of summer enrollment (total) in academic career. 3
   - 2.0 UCF GPA 3
   - 48 hours 3xxx-4xxx level – 35 Biology requires = 13 hours left
   - Independent Study/Directed Research: May include a maximum of 4hrs towards restricted electives- (Completed with Biology Faculty) 3
   - 5000 level courses may be taken by seniors with prior permission of course instructor. You will be charged graduate level tuition.

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 is required for graduation.
   - Exit Exam- to be completed the term you graduate.

   Departmental Residency Requirement: ______ of 22
   a. 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 4
   BSC 2011C Biology 2 4
   PCB 3023 Molec Cell Bio 3
   PCB 3044 Ecology 3
   PCB 3063 Genetics 3
   PCB 4683 Evolutionary Biology 4

Zoology and Pre-Veterinarian Track
Catalog Year: 2016-2017

5A. Cognate Sciences Core (31-33 hours)
   Chemistry Placement Test: CHM 2040C, CHM 2041C, or CHM 2045C 3
   CHM 2045C (or CHM 2040C 2041C) 4/3
   CHM 2046 3
   CHM 2046L 1
   CHM 2210 3/3
   CHM 2211 or CHM 2205 3/5
   PHY 2053C or PHY 2048 & L 4
   PHY 2054C or PHY 2049 & L 4

Math Placement Test: MAC 1105C, MAC 1114C, MAC 1140C
   MAC 2311 4
   STA 2023 3

5B. Lab requirement- Two labs
   At least one of these labs must come from section A - Core.
   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 *), 10
   - Independent Study/Directed Research: May include a maximum of 4hrs towards restricted electives- (Completed with Biology Faculty) 3
   - 5000 level courses may be taken by seniors with prior permission of course instructor. You will be charged graduate level tuition.

   Required Electives (choose one of the following) (3-4 hours)
   a. PCB 4723* Animal Physiology 4
   b. ZOO 4462C* Herpetology 4

   Restricted Electives (choose from the following) (11-12hrs)
   a. ANT 3550 Primatology 3
   b. ZOO 3733* Principles of Plant Science 3
   a. PCB 3044L* Genetics Lab 1
   b. CHM 2046L* Evolutionary Biology Lab 3

Additional Biology Electives: (6-8 hours)
   a. ANT 3550 Primatology 3
   b. PCB 4683 Evolutionary Biology 4
   a. PCB 4514* Genetics 2 3
   b. PCB 4522 Molec Bio I 3

   Advisor _____________________________ Date ______________

   p. BOT 3xxxx* Principles of Plant Science 3
   p. BOT 3018C* Culinary Botany 3
   p. BOT 3802* Ethnobotany 3
   p. BOT 4233C* Plant Anatomy 4
   p. BOT 4303C* Plant Kingdom 5
   p. BOT 44xx C* Plant Microtechniques 2
   p. BOT 4xxxx* Plant Science Capstone 2
   p. BOT 4434C* Gen Mycology 4
   p. BOT 4503C* Plant Physiology 4
   p. BOT 4713C* Plant Taxonomy 5
   p. BSC 3052* Conservation Biol 3
   p. BSC 4821* Biogeography 4
   p. BOT 4850* Medical Botany 3
   p. BSC 3312* Princ Marine Biol 3
   p. BSC 4312C* Adv Marine Biol 4
   p. BSC 4330* Invasion Biology 3
   p. BSC 4xxx* Bio Res. Meth & Exp Design 3
   p. BSC 4861L* Urban Ecology 3
   p. BSC 5258L* Trop Bio Research 3
   a. ENY 3xxx* Honey Bee Bio&Beekeeping 3
   a. ENY 4004C* General Entomology* 4
   a. PCB 3020C Gen Microbiology 5
   a. OCE 3008* Oceanography 3
   a. ENY 3xxx* Principles of Plant Science 3
   a. MAC1105___, MAC1114___, MAC 1140___
   a. PCB 3044L* Genetics Lab 1
   a. PCB 3063L* Genetcs Lab 1
   a. PCB 3233* Immunology 3
   a. PCB 3343L* Princ Field Ecology V
   a. PCB 3554* Tropic Ecology & Cons. 3
   a. PCB 355L* Tropical Marine Bio 2
   a. PCB 3442* Aquatic Ecology 5
   a. PCB 3703C* Human Physiology 4
   a. PCB 4xxxC* Wetland Eco & Biogeochem. 4
   a. PCB 4353* Fl Natural History 3
   a. PCB 4402* Disease Eco & Immunology 3
   a. PCB 4514* Genetics 2 3
   a. PCB 5322* Molec Bio I 3
   a. PCB 4524 Molec Bio 3
   a. PCB 4683L* Evol. Biology Lab 1
   a. PCB 4678* Evolution in Medicine 3
   a. PCB 4684* Population Genetics 3
   a. PCB 4893C* Genomics Lab 4
   a. PCB 5316C* Marine Conservation 4
   a. PCB 5326C* Ecosystems of Fl 5
   a. PCB 5435C* Marine Ecology of Fl 4
   a. PCB 5485* Models in Ecology 3
   a. ZOO 3733C* Human Anatomy 4
   a. ZOO 4205C* Vert Ecol and Econ 4
   a. ZOO 4480* Mammalogy 4
   a. ZOO 4480L* Mammalogy Lab 1
   a. ZOO 4513* Animal Behavior 3
   a. ZOO 4662C* Herpetology 4
   a. ZOO 4603C* Embryology/Develop 5
   a. ZOO 4753C* Vert Histology 4
   a. ZOO 3xxx* Ichthyology 3
   a. ZOO 3xxx* Field Ornithology 3