1. State General Education Core
- Communication Foundation: ENC 110
- Cultural Foundation: HUM2020, MUL2010, THE2000,
  PHH2010
- Mathematical Foundation: MAC1105C, MAC2311C,
  MGF1106, MGF1107, STA2023
- Social Foundation: ECO2013, POS2041, AMH2020,
  PSY2012, SYG2000, ANT2000
- 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 1603C - Fundamentals of Technical Presentations
Cultural & Historical Foundations
- MAC 2311C - Calculus with Analytic Geometry I
- STA 2023 Statistical Methods I
Mathematics
- BSC 2010C - Biology I
- CHM 2045C - Chemistry Fundamentals I

3. University Requirements
- 9 hours of summer enrollment (total) in academic career.
- At least 2.0 needed: ______UCF GPA ______ Major GPA
- 48 hours 3xxx-4xxx level – 35 Biology requires = 13 hours left

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 - General Biology
- BSC 2011C - Biology 2
- PCB 3023 - Molec Cell Bio
- PCB 3044 - Ecology
- PCB 3065 - Genetics
- PCB 4683 - Evolutionary Biology

Note: If all requirements are satisfied on the roadmap, 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: CHM1025 Intro to Chemistry
- CHM 2045C Chemistry Fundamentals I
- CHM 2046 Chemistry Fundamentals II
- CHM 2046L Chemistry Fundamentals Lab
- CHM 2210 CHM 2205
- CHM 2211 or CHM 3120
- CHM 2211L or CHM 3120L
- PHY 2053C or PHY 2048C
- PHY 2054C or PHY 2049C

Math Placement Test: MAT0033C, MAC1105C, MAC1114C, MAC 1140C
- MAC 2311 or MAC 2233 or MAC 2253 Calculus
- STA 2023 Statistical Methods I

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: designated with +

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

Required Electives (choose two of the following courses) (9-10 hrs)
- PCB 4723* Animal Physiology
- PCB 3713C* Comp Vert Anat
- ZOO 4603C* Embryology/Develop

**Classes that satisfy the Required Electives cannot duplicate towards this
section. Any Required Electives taken in excess of 9-10hr will count here.**

Restricted Electives (5-6 hrs)
- BCH 4053 Biochemistry 1
- BCH 4054 Biochemistry 2
- p. BOT 4650* Medical Botany
- MCB 3020C Gen Microbiology
- PCB 3233 Immunology
- PCB 3343L Prmc Field Ecology
- PCB 3350C Tropic Ecology & Cons.
- PCB 3355L Tropical Marine Bio
- PCB 3422* Aquatic Ecology
- PCB 3703C Human Physiology
- PCB 4301C* Wetland Eco & Biogeocem
- PCB 4315C* Marine Bio Cooperation
- PCB 4531* FL Eco, Nat Hist & Cons.
- PCB 4533L* FL Ecology Lab
- PCB 4402* Disease Eco & Immunology
- PCB 4413* Sensory Ecology
- PCB 4463* GIS for Biologists
- PCB 4514* Genetics II
- PCB 3552 Molec Bio I
- PCB 4524 Molec Bio 2
- PCB 4575* Wildlife Genomics
- PCB 4683L* Evol. Ecology Lab
- PCB 4678* Evolution in Medicine
- PCB 4684* Population Genetics
- a. PCB 4723* Animal Physiology
- PCB 5326C* Ecosystem of FL
- PCB 5435C* Marine Ecology of FL
- PCB 5485* Models in Ecology
- a. ZOO 3713C* Comp Vert Anat
- ZOO 3733C Human Anatomy
- a. ZOO 4205C* Vertebrate Biodiversity
- a. ZOO 4310C* Verte Ecol and Eco
- a. ZOO 4805C* Sea Turtle Internship
- a. ZOO 4840* Mammmalogy
- a. ZOO 4840L* Mammmalogy Lab
- a. ZOO 4513* Animal Behavior
- a. ZOO 4626C* Herpetology
- a. ZOO 4630C* Embryology/Develop
- a. ZOO 4756C* Comp Vert Histology
- a. ZOO 3545* Ichthyology
- a. ZOO 4272* Ornithology
- a. ZOO 4910L* Res Exp in Zoo Env