### 1. State General Education Core
- Communication Foundation: ENC 1101
- Mathematical Foundation: MAC 1105C, MAC 2311C, MGF 1106, MGF 1107, STA 2023
- Science Foundation: CHM 2045C, BSC 2010C

### 2. General Education Program (36 Hours)
- **University Requirements**
  - Communication Foundations
  - Cultural Foundations
  - Mathematical Foundations
  - Social Foundations

- **Mathematics**
  - MAC 2311C - Calculus with Analytic Geometry I
- **Statistics**
  - STA 2023 - Statistical Methods I

- **Science Foundations**
  - BSC 2010C - Biology I
  - CHM 2045C - Chemistry Fundamentals I

### 3. University Requirements
- 9 hours of summer enrollment (total) in academic career.
- 42 hours 3xxx-4xxx level - 35 Biology requirements = 7 hours left (to be satisfied with free electives or minor)

### 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 upon completion of Biology core courses
- Departmental Residency Requirement: 22 hours of regularly scheduled upper division courses are to 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. 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)
- One course 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.

### 6A. Restricted Electives (22 hrs)
- **Upper division restricted electives**
  - a. ANT 3550C - Primatology
  - b. BCH 4024 - Medical Biochemistry
  - b. BCH 4053 - Biochemistry 1
  - b. BCH 4054 - Biochemistry 2
  - p. BOT 3018C - Principles of Plant Science
  - p. BOT 3082* - Ethnobotany
  - p. BOT 4223* - Plant Anatomy
  - p. BOT 4228C* - Plant Microtechniques
  - p. BOT 4230C - Plant Development
  - p. BOT 4305C* - Plant Physiology
  - p. BOT 4530C - Plant Genetics and Biochemistry
  - p. BOT 4713* - Plant Taxonomy
  - p. BOT 4850* - Medical Botany
  - p. BOT 4922* - Plant Science Capstone
  - p. BOT 4970H - Honors Undergrad. Thesis

### 6B. 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 ⩛

### 7. University Requirement
- MCB 3020C - Gen Microbiology
- OCE 3008* - Oceography
- PCB 3051C - Zoology: Aquatic Mgmt
- PCB 3044L - Ecology Lab
- PCB 3051L* - Tropical Marine Bio
- PCB 3442 - Aquatic Ecology
- PCB 3522 - Molec Bio I
- PCB 3703C - Human Physiology
- PCB 4301C* - Wetland Eco & Biogeochem
- PCB 4351L* - Fl Ecology Lab
- PCB 4402* - Disease Eco & Immunology
- PCB 4413* - Sensory Ecology
- PCB 4462* - GIS for Biologists
- PCB 4514* - Genetics II
- PCB 4315C* - Marine Ecology of Florida
- PCB 4524 - Molec Bio 2
- PCB 4575* - Wildlife Genomics
- PCB 4683L* - Animal Physiology
- PCB 4678* - Evolution in Medicine
- PCB 4684* - Population Genetics
- PCB 4723* - Animal Physiology
- PCB 5326C* - Ecosystems of FL
- PCB 5435C* - Marine Ecology of FL
- PCB 5485* - Models in Ecology
- a. ZOO 3713* - Comp Vert Anat
- a. ZOO 3713L* - Comp Vert Anat Lab
- a. ZOO 3733C - Human Anatomy
- a. ZOO 4354* - Ichthyology
- a. ZOO 4205C* - Invertebrate Biodiversity
- a. ZOO 4272* - Marine Biology
- a. ZOO 4310C* - Vet Eco & Eco
- a. ZOO 4405C* - Sea Turtle Internship
- a. ZOO 4462C* - Herpetology
- a. ZOO 4480* - Mammalogy
- a. ZOO 4480L* - Mammalogy Lab
- a. ZOO 4513* - Animal Behavior
- a. ZOO 4603C* - Embryology/Develop
- a. ZOO 4756C* - Comp Vet Histology
- a. ZOO 4910L* - Res Exp in Zoo Env

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**Subject to change**

**Offered**

**Updated 7/7/22**