## 1. State General Education Core
- Communication Foundation: ENC 110
- Mathematical Foundation: MAC1105C, MAC2311C, MGF1106, MGF1107, STA2A03
- 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 WOH2012
5. ARH 2050, ARH 2051, MUL 2010, PHI 2010
6. One additional course from Group 4 or 5

### Social Foundations
7. STA 2023
8. MAC 2311

### State General Education Core
- PCB 4683
- PCB 3063
- PCB 3044
- PCB 3023
- BSC 2010C Gen Biology
- ENY 3571

## 3. University Requirements
- 9 hours of summer enrollment (total) in academic career.
- At least 2.0 needed: UCF GPA
- 48 hours 3xxx-4xxx level – 35 Biology requires = 13 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.
- Exit Exam- to be completed upon completion of Biology core courses
- Department 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 4683 Evolutionary Biology

## 6.Restricted Electives (12 hours)
- BSC 3044
- BSC 3063
- BSC 4683

## 5B. Lab requirement- Two labs
- At least one of these labs must come from section A - Core.
  - 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.
  - 5000 level courses may be taken by seniors with prior permission of course instructor. You will be charged graduate level tuition.

## Required Electives (3hr)
- p. BOT 3802* Ethnobotany

## Restricted Electives (choose from following) (12 hrs)
- p. BOT 3018C++ Culinary Botany
- p. BOT 4850* Medicinal Botany
- p. BOT 4223C++ Plant Anatomy
- p. BOT 4503C++ Plant Physiology
- p. BOT 4713C++ Plant Taxonomy
- p. BOT 4910L++ Tropic Ecology & Cons. (3)

## Additional Biology Electives: (7 hours)
- p. BOT 3015* Principles of Plant Science
- p. BOT 3018C++ Culinary Botany
- p. BOT 3802* Ethnobotany

## General Education Program (36 Hours)
- Communications Foundations: ENC 1101, ENC 1102
- Social Foundations: STA 2023, MAC 2311
- State General Education Core: PCB 4683, PCB 3063, PCB 3044, PCB 3023, BSC 2010C

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**General Education Program (36 Hours)**

- **Mathematical Foundations:**
  - ENC 1101
  - ENC 1102
  - SPC 1603, SPC 1608, COM 1000

- **Cultural & Historic Foundations:**
  - EUH 2000 or AMH 2010 or WOH 2012
  - ARH 2050, ARH 2051, MUL 2010, PHI 2010
  - STA 2023

- **Social Foundations:**
  - ENC 1101
  - ENC 1102

- **State General Education Core:**
  - PCB 4683
  - PCB 3063
  - PCB 3044
  - PCB 3023
  - BSC 2010C Gen Biology
  - ENY 3571

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

- **Major Requirements:**
  - A minimum of 2.0 in all UCF courses taken in common program prerequisites, Biology core, and upper division restricted electives.
  - Exit Exam to be completed upon completion of Biology core courses
  - Department Residency Requirement: of 22
    - 22 hours of regularly scheduled upper division courses must be taken in the UCF Biology Department.

- **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

- **Restricted Electives (12 hours):**
  - BSC 3044
  - BSC 3063
  - BSC 4683

- **Lab requirement- Two labs:**
  - At least one of these labs must come from section A - Core.
  - 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.
  - 5000 level courses may be taken by seniors with prior permission of course instructor. You will be charged graduate level tuition.

- **Required Electives (3hr):**
  - p. BOT 3802* Ethnobotany

- **Restricted Electives (choose from following) (12 hrs):**
  - p. BOT 3018C++ Culinary Botany
  - p. BOT 4850* Medicinal Botany
  - p. BOT 4223C++ Plant Anatomy
  - p. BOT 4503C++ Plant Physiology
  - p. BOT 4713C++ Plant Taxonomy
  - p. BOT 4910L++ Tropic Ecology & Cons. (3)

- **Additional Biology Electives: (7 hours):**
  - p. BOT 3015* Principles of Plant Science
  - p. BOT 3018C++ Culinary Botany
  - p. BOT 3802* Ethnobotany

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**Catalog Year: 2016**

- **Advisor:**
  - p. BOT 4223C++ Plant Anatomy
  - p. BOT 4303C++ Plant Kingdom
  - p. BOT 4303C++ Plant Kingdom
  - p. BOT 4282L++ Plant Microtechniques
  - p. BOT 4927* Plant Science Capstone
  - p. BOT 4434C+ Gen Mycology
  - p. BOT 4503C++ Plant Physiology
  - p. BOT 4713C++ Plant Taxonomy
  - p. BOT 4850* Medicinal Botany
  - BSC 3312* Prin Marine Biol
  - BSC 3453* Bio Res. Meth & Exp Design
  - BSC 3412C++ Adv Marine Biol
  - BSC 4330* Invasion Biology
  - BSC 4445C++ Genomics Lab
  - BSC 4861L* Urban Ecology…
  - BSC 5316* Marine Conservation
  - BSC 5258L* Trop Bio Research
  - a. ENY 4004C++ General Entomology
    - a. MCB 3020C Gen Microbiology
    - a. OCE 3008* Oceanography
    - a. PAZ 4234* Zoo & Aquarium Mgt
    - a. PCB 3044L* Ecology Lab
    - a. PCB 3063L* Genetics Lab
    - a. PCB 3233 Immunology
    - a. PCB 3343L* Prin Field Ecology
    - a. PCB 3355L* Tropical Marine Bio
    - a. PCB 3342* Aquatic Ecology
    - a. PCB 3703C* Human Physiology
    - a. PCB 4301C++ Wetland Eco & Biogeochem
    - a. PCB 4353* Fl Natural History
    - a. PCB 4402* Disease Eco & Immunology
    - a. PCB 4514* Genetics
    - a. PCB 3522 Molec Bio I
    - a. PCB 4524 Molec Bio II
    - a. PCB 4575* Wildlife Genomics
    - a. PCB 4683L* Evol. Biol. Lab
    - a. PCB 4678* Evolution in Medicine
    - a. PCB 4684* Population Genetics
    - a. PCB 4723* Animal Physiology
    - a. PCB 5326C* Ecosystems of Fl
    - a. PCB 5435C* Marine Ecology of Fl
    - a. PCB 5485* Models in Ecology
    - a. ZOO 3713C++ Comp Vert Histology
    - a. ZOO 3733C Human Anatomy
    - a. ZOO 4205C++ Bio and Eco Meta Inv
    - a. ZOO 4310C++ Vert Evo and Eco Met Inv
    - a. ZOO 4480L* Mammalogy Lab
    - a. ZOO 4513* Animal Behavior
    - a. ZOO 4622C* Herpetology
    - a. ZOO 4605C++ Embryology/Develop
    - a. ZOO 4756C++ Comp Vert Histology
    - a. ZOO 4756* Ichthyology
    - a. ZOO 3xxx* Ornithology
    - a. ZOO 4910L+ Res Exp in Zoo Env