1. State General Education Core
   
   - Communication Foundation: ENC 110
   - Mathematical Foundation: MAC1105C, MAC2311C, MGF1106, MGF1107, STA2023
   - 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

3. University Requirements

   - 9 hours of summer enrollment (total) in academic career.
   - 9 hours
   - Courses must be selected from those listed below.
   - Courses must not exceed 13 hours
   - Major GPA

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 Courses and
   - Required Electives is required for graduation.

5. Biology course requirements (21 hours)

   - BSC 2010C - Biology 4
   - BSC 2011C - Biology 2
   - PCB 3023 - Molec Cell Bio 3
   - PCB 3044 - Ecology 3
   - PCB 3063 - Genetics 3
   - PCB 4683 - Evolutionary Biology 4

Note: If all requirements are satisfied on the road map, your major is satisfied.
Please consult with COSAS for a final graduation check on all university requirements.

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### Plant Science Track

#### Catalog Year: Summer 2018 - Spring 2020

5A. Cognate Sciences Core (31-33 hours)

| Chemistry Placement Test: CHM1025 Intro to Chemistry | 2 |
| CHM 2045 Chemistry Fundamentals I | 4 |
| CHM 2046 Chemistry Fundamentals II | 3 |
| CHM 2046L Chemistry Fundamentals Lab | 1 |
| CHM 2210 | 3/5 |
| CHM 2211L | 3/5 |
| CHM 2211L or CHM 3120 | 2/1 |
| PHY 2053C or PHY 2045C | 4/3+1 |
| PHY 2054C or PHY 2045C (or +L) | 4/3+1 |

#### Math Placement Test

- MAT1033C MAC1105 MAC1114 MAC1140

- MAC 2311 or MAC 2253 or MAC 2253 Calculus | 4 |

5B. Lab requirement- Two labs

At least one of these labs must come from section A - Core.

- CHM 3040L - Ecology Lab
- CHM 3063L - Genetics Lab
- CHM 4003L - Evolutionary Biology Lab

B - Non-Core: designated with *

6. 22 hours of restricted electives are required.

Required Elective (3 hr)

- BOT 3015* Principles of Plant Science | 3 |

Restricted Electives (choose at least one course from Group A and two from Group B)

- Remaining credits can be from any group (14 hrs)

**Group A**

| Bacteriology | 2 |
| Botany | 2 |
| Entomology | 2 |
| Ichthyology | 2 |

**Group B**

| Bacteriology | 4 |
| Botany | 4 |
| Entomology | 4 |
| Ichthyology | 4 |

**Group C** (Other Restricted Electives)

| Bacteriology | 3 |
| Botany | 3 |
| Entomology | 3 |
| Ichthyology | 3 |

Additional Biology Electives: (5 hours)

- A. ANT 3550C Primateology | 3 |

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### Advisor: Date

- BSC 4042 Medical Biochemistry | 4 |
- BSC 4053 Biochemistry I | 3 |
- BSC 4054 Biochemistry II | 3 |
- BOT 3018C* Culinary Botany | 4 |
- BOT 3802* Ethnobotany | 3 |
- BOT 4233C*+ Plant Anatomy | 4 |
- BOT 4282C*+ Plant Microtechniques | 4 |
- BOT 4300C*+ Plant Kingdom | 4 |
- BOT 4430C*+ Biology of Fungi | 4 |
- BOT 4503C*+ Plant Physiology | 4 |
- BOT 4530C*+ Plant Genomics and Biochemistry | 4 |
- BOT 4713C*+ Plant Taxonomy | 5 |
- BOT 4850* Medical Botany | 3 |
- BSC 3052* Conservation Biol | 3 |
- BSC 3312* Princ Marine Biol | 3 |
- BSC 3453* Bio Res Meth & Exp Design | 3 |
- BSC 4130* Service Learning Marine Conservation | 3 |
- BSC 4312C*+ Adv Marine Biol | 4 |
- BSC 4330* Invasion Biology | 3 |
- BSC 4445C*+ Genomics Lab | 4 |
- BSC 4456C Programming for Bio | 3 |
- BSC 4475C*+ Scientific Diving | 3 |
- BSC 4821* Biogeography | 3 |
- BSC 4861L Urban Ecology | 3 |
- BSC 4910C* Group Effort Applied Research | 4 |
- BSC 4927* Scientific Engagement | 3 |
- BSC 5258L Troop Biol Research | 3 |
- a. ENY 3571C* General Entomology | 4 |
- a. ENY 4004C* General Entomology | 5 |
- MCB 3020C Gen Microbiology | 4 |
- OCE 3008* Oceanography | 3 |
- a. PAZ 4234* Zoo & Aquarium Mgt | 4 |
- PCB 3044L* Ecology Lab | 1 |
- PCB 3063L* Genetics Lab | 1 |
- PCB 3233* Immunology | 1 |
- PCB 3334L* Prinl Field Ecology | 5 |
- PCB 3354* Tropic Ecology | 3 |
- PCB 3355L* Tropical Marine Bio | 2 |
- PCB 3442* Aquatic Ecology | 3 |
- PCB 3522* Molec Bio I | 3 |
- PCB 3705C* Human Physiology | 4 |
- PCB 4301C*+ Wetland Eco & Biogeochem | 4 |
- PCB 4315C+ Marine Ecology of Florida | 4 |
- PCB 4351*+ FL Ecol., Nat. Ris. & Cons. | 3 |
- PCB 4353L+ FL Ecology Lab | 1 |
- PCB 4402* Disease Eco & Immunology | 3 |
- a. PCB 4413* Sensory Ecology | 3 |
- a. PCB 4463* GIS for Biologists | 3 |
- a. PCB 4514* Genetics II | 3 |
- PCB 4524* Molec Bio 2 | 3 |
- PCB 4575* Wildlife Genomics | 3 |
- PCB 4678* Evolution in Medicine | 3 |
- PCB 4683L* Evol. Biology Lab | 1 |
- PCB 4694* Population Genetics | 1 |
- PCB 4723* Animal Physiology | 4 |
- BSC 5136* Marine Conservation | 5 |
- PCB 5326C* Ecosystems of FL | 5 |
- PCB 5435C* Marine Ecology of FL | 5 |
- PCB 5485* Models in Ecology | 3 |
- a. ZOO 3454* Ichthyology | 3 |
- a. ZOO 3713* Comp Vert Anat | 4 |
- a. ZOO 3713L* Comp Vert Anat Lab | 1 |
- a. ZOO 3733C Human Anatomy | 4 |
- a. ZOO 4205C*+ Invertebrate Biodiversity | 4 |
- a. ZOO 4272* Ornithology | 4 |
- a. ZOO 4310C*+ Vet Eco and Eco | 4 |
- a. ZOO 4405C*+ Sea Turtle Internship | 3 |
- a. ZOO 4481* Mammalogy | 3 |
- a. ZOO 44603C*+ Mammalogy Lab | 1 |
- a. ZOO 4462C*+ Animal Behavior | 3 |
- a. ZOO 4462C*+ Herpetology | 4 |
- a. ZOO 4603C+ Embryology/Develop | 3 |
- a. ZOO 4756C*+ Comp Vert Histology | 4 |
- a. ZOO 4910L*+ Res Exp in Zoo Env | 3 |