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)

Communications Foundations
1. ENC 1101  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 WOH2012  3
5. ARH 2050, ARH 2051, MUL 2010, PHI 2010, LIT 2110, LIT 2120, THE2000, FIL 1000 or REL2300  3
6. One additional course from Group 4 or 5  3

3. University Requirements
- 9 hours of summer enrollment (total) in academic career. of 9
- 2.0 UCF 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 is required for graduation
- Exit Exam- to be completed the term you graduate.
- 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 Gen Biology  4
BSC 2011C Biology  4
PCB 3023 Molec Cell Bio  3
PCB 3044 Ecology  3
PCB 3065 Genetics  3
PCB 4683 Evolutionary Biology  4

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

Chemistry Placement Test: CHM2040 __, CHM2041 __, or CHM2045 __

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td>CHM 2045C (or CHM 2040e_2041c__)</td>
<td>4/3</td>
</tr>
<tr>
<td>CHM 2046L</td>
<td>3</td>
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<tr>
<td>CHM 2210 CHM 3120</td>
<td>3/3</td>
</tr>
<tr>
<td>CHM 2211 or CHM 2205</td>
<td>3/5</td>
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<tr>
<td>CHM 2211L CHM 3120L</td>
<td>2/1</td>
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<tr>
<td>PHY 2053C PHY 2048E &amp; L</td>
<td>4</td>
</tr>
<tr>
<td>PHY 2054C PHY 2049 &amp; L</td>
<td>4</td>
</tr>
</tbody>
</table>

Math Placement Test: MAC1105__, MAC1114__, MAC1140__

MAC 2311                                  4

STA 2023                                  3

5B. Lab requirement- Two labs
At least one of these labs must come from section A - Core.

- PCB 3044L - Ecology lab
- PCB 3063L* - Genetics lab
- PCB 3522 - Molec Bio I
- PCB 4253* - Fl Natural History

B - Non-Core: designed with ↑

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) __, 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 *), of 10
- Independent Study/Directed Research: May include a maximum of 4 hrs 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.

Required Electives (3hr)
p. BOT 3802* Ethenobotany  3

Restricted Electives (choose one from following) (12 hrs)
p. BOT 3018C* Culinary Botany  3
p. BOT 4850* Medicinal Botany  3
p. BOT 4223C* Plant Anatomy  4
p. BOT 4503C* Plant Physiology  4
p. BOT 4713C* Plant Taxonomy  5
p. BSC 4330* Invasion Biology  3
p. PCB 3354* Tropic Ecology & Cons.  3

Additional Biology Electives: (15 hours)
a. ANT 3550 Primatology                     3
b. BCH 4053 Biochemistry 1                  3
b. BCH 4054 Biochemistry 2                  3
p. BOT 3xxx Principles of Plant Science     3
p. BOT 3018C* Culinary Botany               3
p. BOT 3802* Ethenobotany                  3

Advisors
- p. BOT 4223C* Plant Anatomy  4
- p. BOT 4303C* Plant Kingdom              5
- BOT 4xxx* Plant Microtechniques          2
- BOT 4xxx* Plant Science Capstone         2
- BOT 4454C* Gen Mycology                  4
- p. BOT 4503C* Plant Physiology           4
- p. BOT 4713C* Plant Taxonomy             5
- BSC 3052* Conservation Biol              3
- BSC 4821* Biogeography                   4
- p. BOT 4850* Medicinal Botany            3
- BSC 3312* Princ Marine Biol              3
- BSC 4312C* Adv Marine Biol               4
- BSC 4330* Invasion Biology               4
- BSC 4xxx* Bio Res. & Exp Design         3
- BSC 4861L* Urban Ecology                 3
- BSC 5258L* Trop Bio Research             3
- a. ENY 3xxx* Honey Bee Bio & Beekeeping  3
- a. ENY 4004C* General Entomology         4
- MCB 3020C Gen Microbiology               5
- OCE 3009* Oceanography                   3
- PAZ 4234* Zoo & Aquarium Mgt             3
- PCB 3044L* Ecology Lab                   1
- PCB 3063L* Genetics Lab                  1
- PCB 3233* Immunology                     3
- PCB 3343L* Princ Field Ecology           Y
- PCB 3354* Tropic Ecology & Cons.         3
- PCB 3355L* Tropical Marine Bio           2
- PCB 3442* Aquatic Ecology                3
- PCB 3703C* Human Physiology              4
- PCB 4xxx* Wetland Eco & Geoecochem.      4
- PCB 4353* Fl Natural History             3
- PCB 4402* Disease Eco & Immunology       3
- PCB 4514* Genetics 2                     3
- PCB 3522 Molec Bio I                     3
- PCB 4524 Molec Bio 2                     3
- PCB 4683L* Evol. Biology Lab             1
- PCB 4678* Evolution in Medicine          3
- PCB 4684* Population Genetics            3
- a. PCB 4723* Animal Physiology            4
- PCB4932C* Genomics Lab                   4
- PCB 5316C* Marine Conservation           4
- PCB 5326C* Ecosystems of Fl              5
- PCB 5435C* Marine Ecology of Fl          4
- PCB 5485* Models in Ecology              3
- a. ZOO 3713C* Comp Vert Anat             5
- ZOO 3733C* Human Anatomy                  4
- a. ZOO 4205C* Bio and Eco Meta Inv       4
- a. ZOO 4310C* Vert Eco and Eco           4
- a. ZOO 4480* Mammalogy                    4
- ZOO 4480L* Mammalogy Lab                 3
- a. ZOO 4513* Animal Behavior             3
- a. ZOO 4462C* Herpetology                4
- a. ZOO 4603C* Embryology/Develop         5
- a. ZOO 4753C* Comp Vert Histology        4
- a. ZOO 3xxx* Ichthyology                  3
- a. ZOO 3xxx* Ornithology                  3

Catalog Year: 2016-2017

Plant Science Track

Excess Exam- to be completed the term you graduate.

Departmental 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)
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- PCB 3023 Molec Cell Bio  3
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- PCB 3065 Genetics  3
- PCB 4683 Evolutionary Biology  4

Advisors
- p. BOT 4223C* Plant Anatomy  4
- p. BOT 4303C* Plant Kingdom  5
- BOT 4xxx* Plant Microtechniques  2
- BOT 4xxx* Plant Science Capstone  2
- BOT 4454C* Gen Mycology  4
- p. BOT 4503C* Plant Physiology  4
- p. BOT 4713C* Plant Taxonomy  5