### 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
2. ENC 1102
3. SPC 1603, SPC 1608, COM 1000
4. EUH 2000 or AMH 2010
5. ARH 2050, ARH 2051, MUL 2010, PHI 2010, HUM 2020 or AMH 2020
6. At least one course from Group 4 or 5

#### Cultural & Historic Foundations
4. EUH 2000 or HUM 2210 or WOH2012
5. EUH 2001 or HUM 2230 or WOH2022
6. ARH 2050, ARH 2051, MUL 2010, PHI 2010, LIT 2110, LIT 2120, THE2000, FIL 1000 or REL 2300
7. At least one course from Group 4 or 5

#### University Requirements
- Social Foundation: ECO2013, POS2041, AMH2020
- Mathematical Foundation: MAC1105C, MAC2311C
- Cultural Foundation
- Communication Foundation

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

### 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: ___ of ___
- 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 ___
- PCB 3023 Molec Cell Bio ___
- PCB 3044 Ecology ___
- PCB 3063 Genetics ___
- PCB 4863 Evolutionary Biology ___

### 6A. Restricted Electives (22 hrs)
Upper division restricted electives

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 3550</td>
<td>Primatology</td>
</tr>
<tr>
<td>BCH 4053</td>
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</tr>
<tr>
<td>BSC 5258</td>
<td>Marine Biology</td>
</tr>
<tr>
<td>BOT 3015*</td>
<td>Principles of Plant Science</td>
</tr>
<tr>
<td>BOT 3018C</td>
<td>Botany</td>
</tr>
<tr>
<td>BOT 3802*</td>
<td>Ethnobotany</td>
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<td>Plant Anatomy</td>
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<tr>
<td>BOT 4303C</td>
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<tr>
<td>BOT 4282L</td>
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<tr>
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<tr>
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<td>Gen Mycology</td>
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</tr>
<tr>
<td>BOT 4713C</td>
<td>Plant Taxonomy</td>
</tr>
<tr>
<td>BOT 4850*</td>
<td>Medicinal Botany</td>
</tr>
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### 5A. Cognate Sciences Core (31-33 hours)

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

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<tbody>
<tr>
<td>CHM 2045C</td>
<td>Organic Chemistry</td>
</tr>
<tr>
<td>CHM 2046</td>
<td>Inorganic Chemistry</td>
</tr>
<tr>
<td>CHM 2046L</td>
<td>Physical Chemistry</td>
</tr>
<tr>
<td>CHM 2210</td>
<td>Physical Chemistry</td>
</tr>
<tr>
<td>CHM 2211</td>
<td>Physical Chemistry</td>
</tr>
<tr>
<td>PHY 2053C</td>
<td>General Physics</td>
</tr>
<tr>
<td>PHY 2054C</td>
<td>General Physics</td>
</tr>
</tbody>
</table>

### 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:
- 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 ___.
- 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.

### 6B. Restricted Electives (22 hrs)
Upper division restricted electives

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### General Biology B.S Track
**2016-2017**

- BSC 3052* Conservation Biol ___
- BSC 3312* Princ Marine Biol ___
- BSC 3453* Bio Res. Meth & Exp Design ___
- BSC 4312C* Adv Marine Biol ___
- BSC 4330* Invasion Biology ___
- BSC 4445C* Genomics Lab ___
- BSC 4821* Biogeography ___
- BSC 4861L* Urban Ecology ___
- BSC 5258L* Trop Bio Research ___
- BSC 5316* Marine Conservation ___
- a. ENY 3571* Honey Bee Biol & Beekeeping ___
- a. ENY 4040C* General Entomology ___
- MCB 3020C Gen Microbiology ___
- OCE 3008* Oceanography ___
- PAZ 4234* Zoo & Aquatic Biol ___
- PCB 3044L* Ecology Lab ___
- PCB 3063L* Genetics Lab ___
- PCB 3233 Immunology ___
- PCB 3343L* Princ Field Ecology V ___
- PCB 3354* Tropic Ecol & Cons. ___
- PCB 3355L* Tropical Marine Bio ___
- PCB 3442* Aquatic Ecology ___
- PCB 3703C Human Physiology ___
- PCB 4301C* Wetland Eco & Biogeochem ___
- PCB 4353* Fl Natural History ___
- PCB 4402* Disease Eco & Immunology ___
- PCB 4514* Genetics 2 ___
- PCB 3522 Molec Bio 1 ___
- PCB 4524 Molec Bio 2 ___
- PCB 4575* Wildlife Genomics ___
- PCB 4683L* Evol. Biol. Lab ___
- 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 3713C* Comp Vert Anat ___
- a. ZOO 3733C Human Anatomy ___
- a. ZOO 4205C* Bio and Eco Meta Inv ___
- a. ZOO 4310C* Vert Evo and Ecolo ___
- a. ZOO 4480* Mammalogy ___
- ZOO 4480L* Mammalogy Lab ___
- a. ZOO 4513* Animal Behavior ___
- a. ZOO 4462C* Herpetology ___
- a. ZOO 4605C* Embryology/Develop ___
- a. ZOO 4756C* Comp Vert Histology ___
- a. ZOO 3454* Ichthyology ___
- ZOO 33xx* Ornithology ___
- a. ZOO 4910L* Res Exp in Zoo Env ___