Biology Major Requirements: 40 hours total

- Students must receive a C- or better to meet major requirements.
- Cascading Prerequisites are strictly enforced. CR = co-requisite, courses that can be taken concurrently.
- Students must earn a 2.0 GPA in all major coursework taken at USF.
- Students must have less than 3 D and/or F grades in biology major and supporting science requirement lectures.
- Students must complete a minimum of 20 hours in Biology major coursework on Tampa campus at USF.

**Biology Core Curriculum: 16 hours**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
<th>Prerequisite</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSC 2010 &amp; 2010L</td>
<td>Biology I Cellular Processes</td>
<td>4 hrs</td>
<td>CHM 2045 (CR)</td>
</tr>
<tr>
<td>BSC 2011 &amp; 2011L</td>
<td>Biology II Diversity</td>
<td>4 hrs</td>
<td>BSC 2010/L</td>
</tr>
<tr>
<td>PCB 3043 &amp; 3043L</td>
<td>Ecology and Lab</td>
<td>4 hrs</td>
<td>BSC 2011/L, CHM 2046</td>
</tr>
<tr>
<td>PCB 3063 &amp; 3063L</td>
<td>Genetics and Lab</td>
<td>4 hrs</td>
<td>BSC 2010/L, CHM 2046</td>
</tr>
</tbody>
</table>

**Environmental Plant Bio Curriculum: 24 hours – min 8 hours must be 4000+level**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
<th>Prerequisite</th>
</tr>
</thead>
<tbody>
<tr>
<td>BOT 3373C</td>
<td>Vascular Plants</td>
<td>4 hrs</td>
<td>BSC 2011/L, CHM 2046</td>
</tr>
<tr>
<td>BOT 4___</td>
<td>Plant Ecology</td>
<td>3 hrs</td>
<td>PCB 3043, CHM 2046</td>
</tr>
</tbody>
</table>

Advanced Plant Core option, Choose 1 from:
- BOT 4152C Field Botany 3 hrs
- BOT 4503/L Plant Physiology 4 hrs
- PCB 3712/3713L General Physiology 4 hrs

- Additional Biology course options, Choose 13-14 additional hours of Biology Major courses from any Tampa Campus IB Department or CMMB Department course (course code prefix of BOT, BSC, ENY, MCB, PCB, or ZOO), with the exception of courses labeled as “not for major credit”
  - Must complete remaining hours necessary to meet the total 40 hours of biology required. If 10 hours completed in the rest of the plant core requirement, then must complete 14 hours in the advanced curriculum.
  - Must complete remaining hours necessary to meet the 8 hour requirement of 4000+level coursework. For example, if PCB 3712/3713L is used for the Plant Core option, then must complete 5 of the 13 hours at 4000+ level to meet the 8 hour requirement. If BOT 3152C is used, then must complete 5 of the 14 hours at 4000+ level.
  - Most advanced biology courses are not offered every semester; there are no set offerings for summer semesters.
  - Maximum of four (4) semester hours BSC 4910 Undergraduate Research can apply.
  - BCH 3023/L Intro to Biochemistry and lab are the only approved options not offered by IB or CMMB. (chemistry)

**Supporting Sciences: 34 hours total**

- Students must receive a C- or better to meet requirements for degree
- General Chemistry I & II: CHM 2045/L & CHM 2046/L (8 hours) C (2.0) grade min
- Organic Chemistry I & II: CHM 2210/L & CHM 2211/L (10 hours) C (2.0) grade min

One of the General Physics sequences (8 hours):
- PHY 2053/L & 2054/L (non-calculus based, recommended for life science/pre-health majors)
- PHY 2048/L & 2049/L (calculus based – must take MAC 2311 and 2312 math sequence)

Cal I: MAC 2241 Life Sciences, MAC 2281 Engineering, or MAC 2311 (4 hrs) C (2.0) grade min

Cal II or Statistics: MAC 2242, MAC 2282, MAC 2312, or STA 2023 (4 hrs) C (2.0) grade min