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

### Pre-Biology Foundation 8 hours

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
<th>Prerequisite(s)</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>
</tbody>
</table>

### Biology Core Curriculum: 14 hours

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
<th>Prerequisite(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PCB 3023</td>
<td>Cell Biology</td>
<td>3 hrs</td>
<td>BSC 2010/L, CHM 2046</td>
</tr>
<tr>
<td>PCB 3043</td>
<td>Ecology</td>
<td>3 hrs</td>
<td>BSC 2011/L, CHM 2046</td>
</tr>
<tr>
<td>PCB 3063</td>
<td>Genetics</td>
<td>3 hrs</td>
<td>BSC 2010/L, CHM 2046</td>
</tr>
<tr>
<td>PCB 3712</td>
<td>General Physiology</td>
<td>3 hrs</td>
<td>BSC 2011/L, CHM 2046</td>
</tr>
</tbody>
</table>

- Any two of the following labs:
  - PCB 3023L Cell Biology Lab 1 hr PCB 3023 (CR)
  - PCB 3043L Ecology Lab 1 hr PCB 3043 (CR)
  - PCB 3063L Genetics Lab 1 hr PCB 3063 (CR)
  - PCB 3713L General Physiology Lab 1 hr PCB 3712 (CR)

### Advanced Biology Curriculum: 18 hours

- Students may select their advanced biology course options from Department of Cell, Micro, and Molecular Biology (CMMB) and Department of Integrative Biology (IB). Please see the BioAdvise website for a full listing of course options. Courses labeled as “not for major credit” cannot be used for the advanced biology curriculum.
- The only pre-approved biology major elective option outside of either biology department is BCH 3023 Introduction to Biochemistry lecture, which is offered by the USF Department of Chemistry, located on Tampa Campus. Students who wish to take other courses to count towards the advanced biology requirements must check with BioAdvise to ensure that the course will meet graduation requirements.
- May complete up to four (4) semester hours of undergraduate research (BSC 4910, MCB 4905)
- May take more than one special topics course (BSC 4933 or BSC 5931) which have different titles, offered by CMMB or IB, and are confirmed as eligible for major credit by BioAdvise
- BSC 2093C + BSC 2094C is now approved to count in the bio major electives. Students who choose to use one or both of the courses in the major should be sure to take additional 3000+ level coursework elsewhere to meet the 48 hour rule.
- Choose at least 8 hours of 4000+level Biology Major courses

### Supporting Sciences: 37 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)
- Calc I: MAC 2241 Life Sciences, MAC 2281 Engineering, or MAC 2311 C (2.0) grade min
- Calc II or Stats: MAC 2242, MAC 2282, MAC 2312, or STA 2023 C (2.0) grade min

The final responsibility for meeting all graduation requirements stated in the catalog rests with the student. See the USF catalog for a complete list of graduation requirements. http://www.ugs.usf.edu/catalogs.htm