Integrative Animal Biology Major Requirements: 40 hours total

- Must receive a C- or better to meet major requirements.
- Cascading Prerequisites are strictly enforced. CR = co-requisite, courses that can be taken concurrently.
- Must maintain a 2.0 GPA in all Majors’ coursework; this is the Applied Attempts GPA in the Major block of Degreeworks.
- Must have fewer than 3 D and/or F grades in the Biology major and supporting science requirement lectures.
- Must complete a minimum of 20 credit hours of Integrative Animal Biology major requirements at USF Tampa.

Biology Core Curriculum: 16 hours

<table>
<thead>
<tr>
<th>Course</th>
<th>Prerequisites</th>
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<tbody>
<tr>
<td>BSC 2010 &amp; 2010L Biology I Cellular Processes 4 hrs</td>
<td></td>
</tr>
<tr>
<td>BSC 2011 &amp; 2011L Biology II Biodiversity 4 hrs</td>
<td></td>
</tr>
<tr>
<td>PCB 3043 &amp; 3043L Ecology and Lab 4 hrs</td>
<td>BSC 2011/L, CHM 2046</td>
</tr>
<tr>
<td>PCB 3063 &amp; 3063L Genetics and Lab 4 hrs</td>
<td>BSC 2010/L, CHM 2046</td>
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</tbody>
</table>

Integrative Animal Biology Curriculum: 24 hours – min 8 hours at 4000+level

Choose ONE Structure & Function Pairing from:

- **Invertebrate Biology**
  - ZOO 3205C Adv. Invertebrate Zoology (Fall) 4 hrs BSC 2011/L, CHM 2046, & PCB 3xxx
  - PCB 3712/L General Physiology and Lab 4 hrs BSC 2011/L, CHM 2046

- **Vertebrate Biology**
  - BSC 4933 Vertebrate Natural History and Lab OR 4 hrs BSC 2011/L, CHM 2046
  - ZOO 3713C Comparative Vertebrate Anatomy (Spring) 5 hrs BSC 2011/L, CHM 2046
  - PCB 3712/L General Physiology and Lab 4 hrs BSC 2011/L, CHM 2046

- **Human Biology**
  - BSC 2093C Human Anatomy & Physiology I (Fall) 4 hrs BSC 2011/L, CHM 2045
  - BSC 2094C Human Anatomy & Physiology II (Spring) 4 hrs BSC 2093C, BSC 2011/L, CHM 2045

Choose 15-16* additional hours of Integrative Animal Biology Major courses (8 of the 16 hrs. must be 4000+ level Biology Major Courses), from Tampa Campus IB Department or CMMB Department course offerings (prefix of BOT, BSC, MCB, PCB, or ZOO), with the exception of BSC 4905 and courses labeled as “not for major credit.”

- 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.
- OCE 4930 Advanced Oceanography I and II OR BCH 4033 Advanced Biochemistry (Fall) are the only approved non-Biology elective course options not offered by IB or CMMB departments.
- **BCH 4033 will NOT count towards the 8 hrs. of 4000 level major electives.**
- *Students who complete ZOO 3713C in Spring 2012 and forward only need 15 hrs. of IAB Bio electives.

Supporting Sciences: 32-34 hours total

- Students must receive a C- or better to meet requirements for degree.
- CHM 2045& CHM 2045L General Chemistry I and Lab 4 hrs. C (2.0) grade min
- CHM 2046 & CHM 2046L General Chemistry II and Lab 4 hrs. C (2.0) grade min
- CHM 2210 & CHM 2210L Organic Chemistry I and Lab 5 hrs. C (2.0) grade min
- CHM 2211& CHM 2211L Organic Chemistry II and Lab 5 hrs. C (2.0) grade min
- One of the General Physics sequences 8 hrs.:
  - PHY 2053/L & 2054/L (non-calculus based, recommended for life science/pre-health majors) C- or better
  - PHY 2048/L & 2049/L (calculus based – must take MAC 2311 and 2312 math sequence) C (2.0) grade min to take Calc II
- Calc I: MAC 2241 Life Sciences, MAC 2311, or MAC 2281 Engineering 3-4 hrs. C (2.0) grade min
- Calc II or Statistics: MAC 2242, MAC 2312, MAC 2282, or STA 2023 3-4 hrs. C- or better

02/03/2015
Additional USF Degree Requirements
USF BioAdvise - SCA 203  bioadvise@usf.edu  Ph: 813/974-3250  Fax: 813/974-2876  http://biology.usf.edu/bioadvise

Foundations of Knowledge and Learning Lower-level Requirements:

- English Composition (2 courses) ENC 1101 ENC 1102
- Social/Behavioral Sciences (2 courses) 
- Fine Arts (1 course) 
- Human/Cultural Diversity in a Global Context (1 course) 
- Humanities (2 courses) 
- Human Historical Context and Process dimension two courses from above must also meet HHCP* ENC 1101

Foundations of Knowledge and Learning Upper-level Requirements:

- Capstone (1 course) 
- Writing Intensive (1 course) 

*If HHCP was not completed in Lower-level FKL it can be completed as Upper-level FKL

Other University and College Requirements:

- 120 hours
- 48 hour rule
- Summer rule
- GPA Requirement - Students must earn an Overall 2.0 GPA and USF 2.0 GPA
- USF Residency - Students must complete 30 hours of the last 60 hours in USF coursework.
- FLENT (Foreign Language Entrance Requirement)
- Gordon Rule Communication and Computation

“BioAdvise at USF” on Facebook for new opportunities within the Biology field!

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