**Biology BS: Marine Biology major – 2014/2015 Catalog**

USF BioAdvise - SCA 203  bioadvise@usf.edu  Ph: 813/974-3250  Fax: 813/974-2876 - http://biology.usf.edu/bioadvise/

Marine 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 in 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 Marine Biology major requirements at USF Tampa

**Biology Core Curriculum: 16 hours**

<table>
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<tr>
<th>Course</th>
<th>Prerequisite</th>
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<tr>
<td>BSC 2010 &amp; 2010L</td>
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<td>BSC 2011 &amp; 2011L</td>
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<td>PCB 3043 &amp; 3043L</td>
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<td>PCB 3063 &amp; 3063L</td>
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<td>BSC 3312</td>
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<td>BSC 4937</td>
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**Marine Curriculum: 24 hours – minimum of 8 hours must be 4000+level**

- Choose one “structure” course from the following:
  - BOT 3373C Vascular Plants 4 hrs.
  - MCB 3020/L General Microbiology 4 hrs.
  - BSC 4933 Vertebrate Natural History + Lab 4 hrs.
  - ZOO 3205C Advanced Invertebrate Bio (Fall) 4 hrs.
  - ZOO 3713C Comparative Vertebrate Anatomy (Spring) 5 hrs.

- Choose 14-15* hrs. of Marine Bio electives from the following courses:
  - **Min 8 hours must be at 4000+level**
  - Max of 6 hours may be taken from courses offered outside of the biology departments with prior approval
  - BSC 4313C Advanced Marine Biology (Spring) 4 hrs.
  - BSC 4910 Undergrad Research (1-4)
  - BSC 4933 Selected Topics (approved for Marine) 3 hrs.
  - GIS 5049 GIS for Non-majors (3)
  - GLY 4734 Beaches & Coastal Environments (3)
  - OCE 4930 Advanced Undergraduate Oceanography I (3)
  - OCE 4930 Advanced Undergraduate Oceanography II (3)
  - PCB 4674 Organic Evolution (3)
  - MCB 4404/L Microbial Physiology & Genetics (4)
  - ZOO 4513 Animal Behavior (3)
  - ZOO 3407/L Bio of Sharks and Rays (4)
  - ZOO 4454/L Fish Biology (4)

- May also select one or more of the “structure” courses which is NOT being used to meet the “structure” requirement*
  - BOT 3373C, MCB 3020C, ZOO 2303/BSC 4933, ZOO 3205C, and/or ZOO 3713C

**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.
- CHM 2046 & CHM 2046L General Chemistry II and Lab 4 hrs.
- CHM 2210 & CHM 2210L Organic Chemistry I and Lab 5 hrs.
- CHM 2211& CHM 2211L Organic Chemistry II and Lab 5 hrs.
- One of the General Physics sequences 8 hrs.:
  - 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 2311, or MAC 2281 Engineering 3-4 hrs.
- Calc II or Statistics:  MAC 2242, MAC 2312, MAC 2282, or STA 2023 3-4 hrs.

02/03/2015
Additional USF Degree Requirements
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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