



**MARINE BIOLOGY MAJOR (CATALOG MAJORS SPRING 2015 AND LATER)**

Life Science Core Curriculum:	NEEDS
Life Sciences 1, 2, 3, 23L, and 4	
Chemistry 14A, 14B, 14BL, 14C, and 14D <b>OR</b> Chemistry & Biochemistry 20A, 20B, 20L, 30AL, 30A, and 30B <i>(NOTE: Students considering medical or pharmacy school who take the 20/30 series should also take 30C; some pharmacy schools may require 30CL. Some professional schools may still require Chemistry 14CL/30BL.)</i>	
Mathematics 3A, 3B, 3C, <b>OR</b> 31A, 31B, 32A (Some pharmacy schools require the 31/32 series.) <b>OR</b> Life Sciences 30A, 30B	
Physics 6A, 6B, 6C <b>OR</b> 1ABC, 4AL, 4BL	
Statistics 13	
Earth, Planetary, & Space Sciences 15 <b>OR</b> Atmospheric & Oceanic Sciences 1	

Upper Division Requirements: <i>(courses may be applied to ONE category only)</i>	NEEDS
<b>CATEGORY ONE: REQUIRED BACKGROUND. Ecology &amp; Evolutionary Biology</b> 109 and 109L	
<b>CATEGORY TWO: LABORATORY Courses. Choose ONE COURSE</b> (totaling at least 4 units) <b>from the following list:</b> Ecology & Evolutionary Biology 101, 105, 110, 112, 136, 170, 181	
<b>CATEGORY THREE: MARINE ORGANISMIC BIOLOGY OR PHYSIOLOGY. Choose ONE COURSE</b> (totaling at least 4 units) <b>from the following list:</b> Ecology & Evolutionary Biology 101, 105, 107, 112, 128, 137, 142, 170*, C174 Physiological Science 166* <i>*Students cannot take both EE BIOL 170 and Physci 166.</i>	
<b>CATEGORY FOUR: ECOLOGY OR BEHAVIOR. Choose ONE COURSE</b> (totaling at least 4 units) <b>from the following list:</b> Ecology & Evolutionary Biology 100, 116, C119A, C119B, 122, C126, 128, 129, M131 (same as Geography M117), 133, 136, 137, 142, 151A, 152, 154, 155, 162, 170 Anthropology 128A	
<b>CATEGORY FIVE: EVOLUTION. Choose ONE COURSE</b> (totaling at least 4 units) <b>from the following list:</b> Ecology & Evolutionary Biology 116, 120*, 121, 130, 133, 135, M171 (same as Anthropology M125A), CM173, C174, 175, 185*, 186 <i>*Students cannot take both EEB 120 and EEB 185.</i>	
<b>CATEGORY SIX: FIELD QUARTER</b> (totaling at least 12-16 units): Marine Biology Quarter (MBQ) or pre-approved equivalent.	
<b>CATEGORY SEVEN: ELECTIVE COURSE. Choose ONE COURSE</b> (totaling at least 4 units) <b>in Physical, Chemical, or Geological Oceanography from the following list:</b> Atmospheric & Oceanic Sciences 102, 103, 104, M105 (same as EE BIOL M139), 130 Chemistry 103, 153A (strongly recommended) Earth, Planetary, & Space Sciences 100, 116, 119, C141, 153 Ecology & Evolutionary Biology M131 (same as Geography M117), 153, 198A/B (both courses must be taken), 199 Environment 184 Geography 100, 101, 103, M106 (same as A&O Sci M106), M117 (same as EE BIOL M131), 123, 130, 168, 169 Mechanical & Aerospace Engineering 103, 150A Molecular, Cell & Developmental Biology 172	



**NOTE:** A maximum of eight (8) units of the Ecology & Evolutionary Biology 198-series or four (4) units of Ecology & Evolutionary Biology 199 may be applied toward the major. Credit for 199 courses from other departments may not be applied. 199 courses with faculty sponsors OUTSIDE the Department of Ecology & Evolutionary Biology do NOT apply on the major unless approved by special petition AFTER the course is completed. Instructions for petitioning non-EE BIOL 199s are available in the Undergraduate Office.

**Regarding classes offered by Molecular, Cell & Developmental Biology or Physiological Science (Department of Integrative Biology & Physiology):** As of FALL 2004 and thereafter, enrollment in ALL upper division (UD) Physiological Science courses will be restricted to their majors during first pass. You must consult the IB&P department about enrollment in courses during second pass for UD elective Physiological Science courses. **Non-Physiological Science majors are restricted from enrolling in Physci 107, 111ABC, and 111L at ALL TIMES.**

Enrollment in Upper Division MCD BIO courses will be restricted to their majors during first pass and will be open to all students during second pass, space permitting. **Non-MCDB majors are restricted from enrolling in MCD BIO 104AL at ALL TIMES.**

#### **MAJOR & DEGREE REQUIREMENTS:**

- All **Life Science Core Curriculum** courses must be passed with a letter grade of **C- or better** and must be completed with an **overall GPA of 2.00 (C) or better**. If you receive a grade of D or F in two (2) core curriculum courses, either in separate courses or in repetitions of the same course, you are subject to dismissal from the major.
- For the **upper division (UD) major requirements**, you must pass each course with a letter grade of D- or better. However, in order to graduate, you are required to maintain a global GPA (UD major requirements) of **2.00 or better**.
- Courses applied to the **upper division (UD) major requirements** may be applied to ONE category only. Courses listed in multiple categories MAY NOT be applied to multiple categories simultaneously.
- A maximum of four (4) units of graduate work may be applied on the major, BUT only if approved by the department.
- A maximum of four (4) units of EE BIOL 199 OR eight (8) units of EE BIOL 198A & 198B may be applied to the major. Credit for 199 courses from other departments may not be applied.
- Each course applied toward the UD major requirements must have a **minimum of four (4) units**. Courses with fewer than four units may be combined to equal one (1) course equivalent, IF they are applicable to the major (e.g., EE BIOL 176, EE BIOL 180, EE BIOL 188). Thus, two (2) courses worth 2 units each (for a total of 4 units) could equal one course requirement on the major. A maximum of one (1) course on the major is allowed in cases where two 2-unit courses are combined to equal one course equivalent. A six-unit course counts as one course on the requirements for the major.
- All courses to be applied on the major must be taken for a letter grade. This includes all courses in the Life Science Core Curriculum and all UD major courses.
- The College requires a total of 60 upper division units for graduation. Thus, you may be required to take additional UD courses (either within or outside of the major) to meet this requirement.

#### **Departmental Honors**

An overall GPA of 3.400 and a global GPA of 3.400 in the major are required for graduation with honors in Biology. Highest honors in Biology are awarded to students whose global and overall GPA are 3.600 at graduation and who have satisfactorily completed EE BIOL 198A & 198B. Students do not need to apply for departmental honors. All students are reviewed for honors following the receipt of final transcripts.

**IT IS YOUR RESPONSIBILITY AS A STUDENT TO BE AWARE OF THE REQUIREMENTS LISTED ON YOUR Degree Progress Report (DPR) or Degree Audit Report (DARS) AND TO VERIFY THAT IT IS UP TO DATE!**

#### **Ecology & Evolutionary Biology Undergraduate Office**

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