BIOLOGY B.A. - Bioeducation Concentration

INTRODUCTORY REQUIREMENTS

Calculus: MATH 11A* (FWS) ___ + 11B (FWS) ___  
OR MATH 19A (FWS) ___ + 19B (FWS) ___

General Chemistry: CHEM 1A* (FWS) ____  1B* (FWS) ____ + 1C/N (FWS) ____

Biology: BIOL 20A* (FWS) ____ + BIOE 20B* (FWS) ____ + BIOE 20C* (FWS) ____

NOTE: To declare this major, CHEM 1A, CHEM 1B, BIOL 20A, and either BIOE 20B or 20C must be completed with a grade of C or better.

Organic Chemistry: CHEM 108A/L (FW) ____ + 108B (WS) ____

Statistics: AMS 5 (FWS) ___ OR 7/L (FWS) ___

Physics: PHYS 6A/L (FWS) ____ + 6B (WS) ____ OR PHYS 6A/L (FWS) ____ + 6C (FS) ___

Education: **EDUC 50C CalTeach 1: Science ___

Astronomy: ASTR 2 Overview of the Universe (FS) ___ (optional)

Earth Sciences: EART 20/L Environmental Geology (S) ___ (optional)

ADVANCED REQUIREMENTS

Biochemistry: BIOL 100 (FW) ___

Genetics: BIOL 105 (FWS) ___

Ecology: BIOE 107 (WS) ___

Evolution: BIOE 109 (FW) ___

Teaching Science: **EDUC 185C ___

CAL Teach 3 Science: **EDUC 185L ___

Cell & Development: ONE from the following...  
BIOL 110 Cell Biology (FS) ___  
BIOL 115 Eukaryotic Molecular Biology (W) ___  
METX 119 Microbiology (FW) ___  
BIOL 120 Developmental Biology (WS) ___

Physiology: ONE from the following...  
BIOE 131 Animal Physiology (W) ___  
BIOE 135/L Plant Physiology (W) ___  
BIOL 113 Mammalian Endocrinology (S) ___  
BIOL 130 Human Physiology (FW) ___

Laboratory: ONE upper-division 5-unit Lab course ___  
OR BIOE 131L Animal Physiology Lab (W) ___  
OR BIOE 135L Plant Physiology Lab (W) ___  
OR BIOL 130L Human Physiology Lab (FW) ___

Disciplinary Communication: Successful completion BIOE 107 Ecology and BIOE 109 Evolution  
(Note: DC courses must be taken at UCSC.)

COMPREHENSIVE REQUIREMENT (Senior Exit Requirement): _____________

For more information see:
http://undergrad.pbsci.ucsc.edu/programs/biol/advising.html#exit

**NOTE: Be sure to check prerequisites and timing of offerings for electives taught outside of the Biological Sciences