BIOLOGY B.A. - Bioeducation Concentration

(Quarter offered: F=Fall, W=Winter, S=Spring, *= Not offered this year)

Note: All courses on check list must be taken for a letter grade

INTRODUCTORY REQUIREMENTS

Calculus: MATH 11A (FWS) ___ + 11B (FWS) ___
OR MATH 19A (FWS) ___ + 19B (FWS) ___
OR AMS 15A (*) ___ + 15B (*) ___

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

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

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 (FWS) ___

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

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

ADVANCED REQUIREMENTS

Biochemistry: BIOL 100/K (FS) ___

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 (WS) ___
METX 119 Microbiology (FW) ___
BIOL 120 Developmental Biology (W) ___

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 BIOE 130L Human Physiology Lab (FW) ___

Diversity: ONE from the following...
*EDUC 128 Immigrants and Education ___
*EDUC 141 Bilingualism and Schooling ___
*EDUC 164 Urban Education ___
*EDUC 181 Race, Class, and Culture in Education ___

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/biology/completing-the-major/senior-exit.html

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