BIOLOGY B.A.  2020-21

Name: ______________________________________________  Date: _________________

Quarter offered:  F=Fall, W=Winter, S=Spring, (-)= Not offered  ID #: ____________

Letter Grade Policy: All courses must be taken for a letter grade.

★ Courses appearing in more than one category can fulfill only ONE requirement.★

LOWER DIVISION REQUIREMENTS

General Chemistry:  CHEM 1A (FWS) ___ 1B (FWS) ___

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

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

Physics:  PHYS 1 (W) ____ OR PHYS 7A (-) ____ OR 6A (FWS) ____

   NOTE:  PHYS 7A & PHYS 6A have a calculus prerequisite - MATH 11A or Math 19A
          and require concurrent enrollment in Phys 6L lab.

UPPER DIVISION REQUIREMENTS  8 courses total (2 approved courses needed for DC)

Genetics:  BIOL 105 (FWS) ___

Ecology:  BIOE 107 (FWS) ___

Evolution:  BIOE 109 (FWS) ___

Anatomy or Physiology:  ONE from the following...

   BIOE 131/L Animal Physiology (lab optional) (W) ___
   BIOE 133/L Comparative Vertebrate Anatomy (F) ___
   BIOE 134/L Comparative Vertebrate Anatomy (F) ___
   BIOE 135/L Plant Physiology (F) ___
   BIOE 136 Environmental Physiology (S) ___
   BIOL 130/L Human Physiology (lab optional) (WS) ___
   METX 135/L Human Anatomy (S) ___

General Electives:  FOUR upper-division electives from the following...

   ◇ BIOE 108 Marine Ecology (W) ___
   BIOE 112/L Ornithology (F21) ___
   ◇ BIOE 114/L Herpetology (S21) ___
   ◇ BIOE 117/L Systematic Botany (W) ___
   BIOE 118 Plants and Society (S) ___
   ◇ BIOE 120/L Marine Botany (S) ___
   BIOE 122/L Invertebrates (W) ___
   ◇ BIOE 124/L Mammalogy (-) ___
   BIOE 125 Ecosystems of CA (WS) ___
   ◇ BIOE 127/L Ichthyology (F20) ___
   BIOE 128/L Large Marine Vertebrates Field (S) ___
   ◇ BIOE 129/L Marine Mammals (S) (lab optional) ___
   BIOE 131/L Animal Physiology (W) (lab optional) ___
   ◇ BIOE 133/L Comparative Vertebrate Anatomy (F) ___
   BIOE 135/L Plant Physiology (F) ___
   ◇ BIOE 136 Environmental Physiology (S) ___
   ◇ BIOE 137/L Molecular Ecology (F) ___
   BIOE 138 Quantitative Ecology (W) ___
   ◇ BIOE 139 Quantitative Methods (-) ___
   BIOE 140 Behavioral Ecology (F) ___
   ◇ BIOE 141L Behavioral Ecology Field Course (W21) ___
   ◇ BIOE 145 Plant Ecology (S) ___
   ◇ BIOE 145L Field Methods in Plant Ecology (S) ___

   BIOE 147 Community Ecology (S) ___
   BIOE 149 Disease Ecology (-) ___
   BIOE 150 Ecological Field Methods (-) ___
   ◇ BIOE 150L Ecological Field Methods Lab (-) ___
   BIOE 155 Freshwater Ecology (F) ___
   BIOE 155L Freshwater Ecology Lab (-) ___
   BIOE 158L Marine Ecology Lab (-) ___
   ◇ BIOE 161 Kelp Forest Ecology (F21) ___
   BIOE 161L Kelp Forest Ecology Lab (F21) ___
   BIOE 163/L Ecology of Reefs, Mangroves, & Seagrasses (W) ___
   BIOE 165 Marine Conservation Biology (F) ___
   BIOE 171 Disciplinary Communications for Biologists (-) ___
   ◇ BIOE 172 Population Genetics (S) ___
   BIOE 100 Biochemistry (FW) ___
   BIOE 101 Molecular Biology (WS) ___
   BIOL 110 Cell Biology (FS) ___
   BIOE 115 Eukaryotic Molecular Biology (S) ___
   BIOE 120 Developmental Biology (W) ___
   BIOE 125 Intro Neuroscience (F) ___
   METX 119 Microbiology (FS) ___
   METX 119L Microbiology Lab (FWS) ___

   ◇ DISCIPLINARY COMMUNICATION (DC) REQUIREMENT:  ______________________ +  
   Must complete all five courses with a "C" or better; no more than 1 non-passing grade in the
   qualification courses is accepted.

   Field Quarters (Optional):  
   ◇ BIOE 151ABCD Ecology & Conservation in Practice (SP19) (3 electives)  
   ◇ BIOE 153ABC Arctic Ecology (S20) (3 electives)  
   ◇ BIOE 159ABCD Marine Ecology Field Quarter (F18) (3 electives)

   ◇ COMPREHENSIVE (SENIOR EXIT) REQUIREMENT:  
   For details see:  https://www.eeb.ucsc.edu/academics/undergrad/majors-academic-planning/majors-academic-planning-exit.html

   Major Qualification Policy:
   1)  CHEM 1A  
   2)  CHEM 1B  
   3)  BIOL 20A  
   4)  BIOE 20B  
   5)  BIOE 20C
   Must complete all five courses with a "C" or better; no more than 1 non-passing grade in the
   qualification courses is accepted.