INTRODUCTORY REQUIREMENTS

Calculus: MATH 11A (FWS) ___ OR AMS 15A (W) ___

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 6A/L (FWS) ___

ADVANCED REQUIREMENTS

Genetics: BIOL 105 (FWS) ___

Ecology: BIOE 107 (WS) ___

Evolution: BIOE 109 (FW) ___

Physiology: ONE from the following...
- BIOE 131/L Animal Physiology (lab optional) (S) ___
- BIOE 133/L Exercise Physiology (W) ___
- BIOE 135/L Plant Physiology (W) ___

Organism: ONE from the following...
- BIOE 112/L Ornithology (F11) ___
- BIOE 114/L Herpetology (S12) ___
- BIOE 117/L Systematic Botany (S) ___
- BIOE 120/L Marine Botany (S) ___
- BIOE 122/L Invertebrates (W) ___
- BIOE 127/L Ichthyology (F11) ___
- BIOE 129/L Marine Mammals (lab required) (S) ___

Topical Electives: THREE upper division electives from the following...
- BIOE 108 Marine Ecology (W) ___
- BIOE 112/L Ornithology (F11) ___
- BIOE 114/L Herpetology (S12) ___
- BIOE 117/L Systematic Botany (S) ___
- BIOE 120/L Marine Botany (S) ___
- BIOE 122/L Invertebrates (W) ___
- BIOE 127/L Ichthyology (F11) ___
- BIOE 129/L Marine Mammals (S) (lab optional) ___
- BIOE 131/L Animal Physiology (S) (lab optional) ___
- BIOE 133/L Exercise Physiology (W) ___
- BIOE 135/L Plant Physiology (W) ___
- BIOE 140 Behavioral Ecology (F) ___
- BIOE 141L Behavioral Ecology Field Course (W13) ___
- BIOE 145 Plant Ecology (F) ___
- BIOE 145L Field Methods in Plant Ecology (F) ___
- BIOE 147 Community Ecology (S) ___
- BIOE 149 Disease Ecology (W) ___
- BIOE 150 Ecological Field Methods (S13) ___
- BIOE 150L Ecological Field Methods Lab (S13) ___
- BIOE 155 Freshwater Ecology (F) ___
- BIOE 158L Marine Ecology Lab (S12) ___
- BIOE 161 Kelp Forest Ecology (F11,S12) ___
- BIOE 161L Kelp Forest Ecology Lab (F11,S12) ___
- BIOE 163 Ecology of Reefs, Mangroves, & Seagrasses (W) ___
- BIOE 165 Marine Conservation Biology (F) ___
- BIOE 172/L Population Genetics (W13) ___
- BIOL 100/K Biochemistry (FS) ___
- BIOL 110 Cell Biology (FS) ___
- BIOL 115 Eukaryotic Molecular Biology (WS) ___
- BIOL 120 Development (W) ___
- BIOL 120 Development (W) ___
- BIOL 120 Development (W) ___
- BIOL 120 Development (W) ___
- CHEM 108A Organic Chemistry (FWS) ___
- CHEM 108B Organic Chemistry (FWS) ___
- METX 119 Microbiology (FW) ___
- METX 119L Microbiology Lab (FWS) ___
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Disciplinary Communication: Successful completion of BIOE 107 Ecology and BIOE 109 Evolution

Comprehensive Requirement: see http://undergrad.pbsci.ucsc.edu/programs/eeb/advising.html#exit