## MCD Biology BS Requirements (2021-22)

### Lower Division Requirements

**Calculus:**  
- MATH 11A (FWS) or MATH 19A (FWS)  
- MATH 11B (FWS) or MATH 19B (FWS)

**General Chem:**  
- CHEM 1A: General Chemistry (FWS) &  
- CHEM 1B: General Chemistry (FWS) &  
- CHEM 1C: General Chemistry & (FWS)

**Biology:**  
- BIOL 20A: Cell and Molecular Bio (FWS) &  
- BIOL 20B: Development and Physiology (FWS) &  
- BIOL 20C: Ecology & Evolution (FWS)

**Organic Chem:**  
- CHEM 8A: Organic Chemistry & (FWS) &  
- CHEM 8B: Organic Chemistry (WS) &  
- CHEM 8L: Organic Chem Lab (FW)

**Statistics:**  
- STAT 5: Statistics (FWS) or  
- STAT 7: Stats for the Biological, Environmental, and Health Sciences & (FWS)

**Physics:**  
- PHYS 6A: Introductory Physics I (FWS)

### Upper Division Courses

Complete the major with the following:

#### CORE COURSES:

- BIOL 105: Genetics (FWS)

#### ELECTIVES: 3 UPPER DIVISION ELECTIVES (ONLY ONE OF WHICH MAY BE A 3-UNIT COURSE: BIOL 112, 116 OR 117)

- BIOM 100: Biochemistry
- BIOM 101: Molecular Biology (FS)
- BIOM 10A: Biochemistry & Molecular Biology (F)

### LAB: 1 LAB COURSE REQUIRED

- BIOL 100L: Biochemistry Lab
- BIOL 101L: Molecular Biology Lab (FW)

**DISCIPLINARY COMMUNICATION & SENIOR EXIT REQUIREMENTS ARE SATISFIED BY Kompleting ONE 5-UNIT LAB COURSE FROM THE ABOVE LIST.**
Please refer to your 2021-22 UCSC General Catalog for more information or clarification