### Lower Division Courses

**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 & CHEM 1N: General Chem Lab (FWS)

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

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

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

**Physics:**
- PHYS 6A: Introductory Physics I & PHYS 6B: Introductory Physics II (WS)
- PHYS 6L: Introductory Physics I Lab (FWS)
- PHYS 6C: Introductory Physics III (FS)

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After passing the classes shaded above with a C or better, students can submit a Petition to Declare. Students in their 6th quarter may petition while their last course is in progress. All students must declare by the 6th quarter deadline.

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### Upper Division Courses

Complete the major with the following:

**CORE COURSES:**
- BIOL 105: Genetics
- BIOL 100: Biochemistry
- BIOL 101: Molecular Biology
- BIOL 100A: Biochemistry & Molecular Bio
- BIOL 100B: Biochemistry & MB
- BIOC 100C: Biochemistry & MB
- BIOL 101L: Molecular Biology Lab
- BIOL 110: Cell Biology
- BIOC 100C: Biochemistry
- BIOC 100D: Evolution
- BIOC 135/L: Plant Physiology/Lab
- BIOL 111A: Immunology
- BIOL 111B: Immunology
- BIOL 112: Virology
- BIOL 114: Cancer Cell Biology

**ELECTIVES: 3 UPPER DIVISION ELECTIVES** (ONLY ONE OF WHICH MAY BE A 3-UNIT COURSE: BIOL 112, 116 OR 117)
LAB: 1 LAB COURSE REQUIRED
- BIOL 100L: Biochemistry Lab
- BIOL 103L: Toxic RNA Lab II
- BIOL 105L: Eukaryotic Genetics Lab
- BIOL 109L: Yeast Molecular Genetics Lab
- BIOL 115L: Eukaryotic Molecular Biology Lab
- BIOL 120L: Developmental Biology Lab
- BIOL 121L: Environmental Phage Biology Lab
- BIOL 186L: Undergraduate Research in MCD Biology
- METX 119L: Microbiology Lab

DISCIPLINARY COMMUNICATION & SENIOR EXIT REQUIREMENTS ARE SATISFIED BY COMPLETING ONE 5-UNIT LAB COURSE FROM THE ABOVE LIST.
- DC/SENIOR EXIT COMPLETE

Please refer to your 2019-20 UCSC General Catalog for more information or clarification