# HUMAN BIOLOGY BS Requirements (2019-20)

## 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 & (FWS)
- □ CHEM 1M: General Chem Lab (FWS) & □ CHEM 1N: General Chem Lab (FWS)

### Biology:
- □ BIOL 20A: Cell and Molecular Bio (FWS) & □ BIOE 20B: Development and Physiology (FWS)
- □ BIOL 20L: Experimental Bio Lab (FWS)

### Organic Chem:
- □ CHEM 8A: Organic Chemistry & (FW) & □ CHEM 8B: Organic Chemistry & (WS)
- □ CHEM 8L: Organic Chem Lab (FW)
- □ CHEM 8M: Organic Chem Lab (WS)

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

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

### Spanish:
- □ Take the Spanish Placement Exam
- □ SPAN 1: Intro Spanish (FWS)
- □ SPAN 2: Intro Spanish (FWS)
- □ SPAN 3: Intro Spanish (FWS)
- □ SPAN 4: Intermediate Spanish (FWS)
- □ SPAN 5M: Medical Spanish (FWS)

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.

Declared

## Upper Division Courses

Complete the major with the following:

### CORE COURSES:
- □ BIOL 105: Genetics
- □ BIOL 100: Biochemistry & □ BIOL 101: Molecular Biology
- □ BIOC 100A: Biochemistry & Molecular Bio & □ BIOC 100B: Biochemistry & MB & □ BIOC 100C: Biochemistry & MB

### ELECTIVES: 2 UPPER DIVISION ELECTIVES (ONLY 1 OF WHICH MAY BE A 3-UNIT COURSE: BIOL 112, 116, 117 or 188)
- □ BIOC 100C: Biochemistry
- □ BIOE 133L: Exercise Physiology/Lab
- □ BIOL 111A: Immunology
Please refer to your 2019-20 UCSC General Catalog for more information or clarification