HUMAN BIOLOGY BS Requirements (2022-23)

*All courses listed on major checklist must be taken for a letter grade

Lower Division Courses

Calculus:
- □ MATH 11A (FWS) or MATH 11A (FW)
- □ MATH 11B (FW)

General Chem:
- □ CHEM 1A: General Chemistry (FW)
- □ CHEM 1B: General Chemistry & Lab (FW)

Biology:
- □ BISL 20A: Cell and Molecular Bio (FW)
- □ BISL 20B: Development and Physiology (FW)

Organic Chem:
- □ CHEM 3A: Organic Chemistry (FW)
- □ CHEM 3B: Organic Chemistry Lab (FW)

Statistics:
- □ STAT 5: Statistics (FW)
- □ STAT 7: Stats for the Biological, Environmental, and Health Sciences (FW)

Physics:
- □ PHYS 6A: Introductory Physics A (FW)
- □ PHYS 6B: Introductory Physics B (WS)

Spanish:
- Students must achieve proficiency and pass Medical Spanish
  - □ SPAN 1: Intro Spanish (FWS)
  - □ SPAN 2: Intro Spanish (FWS)
  - □ SPAN 3: Intro Spanish (FWS)
  - □ SPAN 4: Intermediate Spanish (FWS)
  - □ SPAN 5M: Medical Spanish (FW)

After passing the above qualification courses shaded green with a C+ or better, you can submit a Petition to Declare. All qualification courses must be completed by the end of the 5th quarter and students must petition to declare by the 6th quarter deadline.

Declared

Upper Division Courses

Complete the major with the following:

CORE COURSES:
- □ BISL 105: Genetics (FW)
- □ BISL 100: Biochemistry (WS)
- □ BISL 101: Molecular Biology (FS)
- □ BISL 100A: Biochemistry & Molecular Bio (F)
- □ BISL 100B: Biochemistry & MB (W)
- □ BISL 100C: Biochemistry & MB (S)
- □ BISL 110: Cell Biology (FWS)
- □ BISL 120: Human Physiology (WS)
- □ BISL 120L: Human Physiology Lab (WS)

ELECTIVES: 2 UPPER DIVISION ELECTIVES (ONLY 1 OF WHICH MAY BE A 3-UNIT COURSE: BISL 112, 116 or 118)
- □ BISL 125: Intro to Neuroscience
- □ BISL 127: Mechanisms of Neurodegenerative Diseases
- □ BISL 140: The RNA World
- □ BISL 188: A Life in Medicine
- □ BISL 130: Genomics
- □ BISL 178: Stem Cell Biology
- □ CMMU 103: Health Care Inequalities
- □ METX 119: Microbiology
- □ METX 135/L: Anatomy of the Human Body/Lab
- □ METX 140: Molecular Biology And Micrornal Genetics
- □ PHYS 180: Biophysics

INTERNSHIP REQUIREMENT
- □ BISL 189: Health Sciences Internship

**Please note you must apply for the internship 2 quarters in advance**

DISCIPLINARY COMMUNICATION REQUIREMENT
- □ GCH 190: Global and Community Health Task Force
- □ GCH 195: Global and Community Health Communication

SENIOR EXIT REQUIREMENT
- □ BISL 199: Health Sciences Internship

Please refer to your 2021-22 UCSC General Catalog for more information or clarification