

# HUMAN BIOLOGY B.S.

2018-2019

Name: \_\_\_\_\_

Date: \_\_\_\_\_

ID#: \_\_\_\_\_

(Quarter offered: F=Fall, W=Winter, S=Spring, (-)=Not offered this year)

NOTE: ALL courses on checklist MUST be taken for a letter grade C or better

## LOWER DIVISION REQUIREMENTS

Calculus: MATH 11A (FWS) \_\_\_\_ + 11B (FWS) \_\_\_\_

OR MATH 19A (FWS) \_\_\_\_ + 19B (FWS) \_\_\_\_

General Chemistry: CHEM 1A (FWS) \_\_\_\_ + 1B/M (FWS) \_\_\_\_ + 1C/N (FWS) \_\_\_\_

Biology: BIOL 20A (FWS) \_\_\_\_ + BIOE 20B (FWS) \_\_\_\_ + BIOL 20L\* (FWS) \_\_\_\_

\*BIOL 20L is waived for junior transfer students

Organic Chemistry: CHEM 8A/L (FW) \_\_\_\_ + 8B/M (WS) \_\_\_\_ (CHEM 109 is recommended for pre-med students)

Statistics: AMS 5 (FWS) \_\_\_\_ OR 7/L (FWS) \_\_\_\_

Physics: PHYS 6A/L (FWS) \_\_\_\_ + 6B (WS) \_\_\_\_ OR PHYS 6A/L (FWS) \_\_\_\_ + 6C (FS) \_\_\_\_

OR PHYS 7A\*(-) \_\_\_\_ + 7B (-) \_\_\_\_ + 6L (FWS) \_\_\_\_ \*Concurrent enrollment with PHYS 6L required

Note: PHYS 7A/B and 6L may not satisfy prerequisites for admission to all medical schools.

Please check the specific admission requirements for each medical school of interest.

## SPANISH LANGUAGE REQUIREMENT

Spanish language to proficiency and Medical Spanish

NOTE: Students are required to take the Spanish Placement Exam: <http://language.ucsc.edu/placement/spanish.html>

Spanish: SPAN 1 Intro Spanish (FWS) \_\_\_\_

SPAN 2 Intro Spanish (FWS) \_\_\_\_

SPAN 3 Intro Spanish (FWS) \_\_\_\_

SPAN 4 Intermediate Spanish (FWS) \_\_\_\_

Medical Spanish: SPAN 5M Medical Spanish (FWS) \_\_\_\_

## UPPER DIVISION REQUIREMENTS

### Biochemistry & Molecular

Biology: BIOL 100 (FW) \_\_\_\_ + BIOL 101(WS) \_\_\_\_ OR BIOE 100A (F) \_\_\_\_ + 100B (W) \_\_\_\_ + 100C\* (S) \_\_\_\_  
(BIOL 101L is not required for human biology majors)

\*Student who complete BIOE 100A/B/C sequence can use BIOE 100C to satisfy 1 Upper division elective

Genetics: BIOL 105 (FWS) \_\_\_\_

Cell Biology: BIOL 110 (FS) \_\_\_\_

Human Physiology: BIOL 130/L (FW) \_\_\_\_

Electives: Ten credits of upper-division electives chosen from the following:

All courses listed are 5 credits unless otherwise noted.

BIOE 133/L Exercise Physiology (-) \_\_\_\_

BIOL 111A Immunology I (W) \_\_\_\_

BIOL 111B Immunology II (-) \_\_\_\_

BIOL 112 Virology (3 units) (W) \_\_\_\_

BIOL 114 Cancer Cell Biology (-) \_\_\_\_

BIOL 115 Eukaryotic Molecular Biology (S) \_\_\_\_

BIOL 116 Advanced Topics in Cell Biology (3 units) (S) \_\_\_\_

BIOL 117 Neglected Tropical Diseases (3 units)(W) \_\_\_\_

BIOL 120 Developmental Biology (W) \_\_\_\_

BIOL 125 Intro to Neuroscience (FS) \_\_\_\_

BIOL 126 Advanced Molecular Neuroscience (W) \_\_\_\_

BIOL 127 Mechanisms of Neurodegenerative Disease (S) \_\_\_\_

BIOL 128 Developmental Neurobiology (W) \_\_\_\_

BIOL 188 A Life in Medicine (3 units) (S) \_\_\_\_

BME 130 Genomes (F) \_\_\_\_

BME 155 Biotechnology & Drug Development (-) \_\_\_\_

BME 178 Stem Cell Biology (W) \_\_\_\_

CMMU 163 Health Care Inequalities (W) \_\_\_\_

METX 119 Microbiology (FS) \_\_\_\_

METX 135/L Anatomy of the Human Body/lab(7 units) (S) \_\_\_\_

PHYS 180 Biophysics (S) \_\_\_\_

BIOC 100C\* (S) \_\_\_\_

INTERNSHIP: BIOL 189/W Health Sciences Internship (FWS+Summer) \_\_\_\_

Must be approved by Health Sciences Internship coordinator

<http://mcd.ucsc.edu/academics/human-biology/health-science-internship.html>

DISCIPLINARY COMMUNICATION (DC): Satisfied by successful completion of BIOL 130L and BIOL 189/W

This requirement must be completed at UCSC. Note: The Academic Advising Report may not reflect current DC requirements.

COMPREHENSIVE REQUIREMENT (Senior Exit Requirement):

Satisfied by successful completion of the internship requirement.

IMPORTANT: Medical schools and other professional school admissions requirements vary; students should verify that their coursework will satisfy the admissions requirements of the programs to which they plan to apply.

### Qualification Policy:

Complete CHEM 1A, CHEM 1B, CHEM 1C, BIOL 20A, BIOL 20L, and BIOE 20B with grades of C+ or better. No more than one non-passing grade in the qualifying courses is accepted. All qualification courses must be completed by the 6th quarter deadline.

\*Course offerings are subject to change. Please refer to 18-19 curriculum plan for updates:

<https://mcd.ucsc.edu/academics/courses/curriculum-plan-18-19.html>