

HUMAN BIOLOGY B.S.

2018-2019

Name: _____

Date: _____

ID#: _____

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

IOTE: 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 BIOC 100A (F) ___ + 100B (W) ___ + 100C* (S) ___
(BIOL 101L is not required for human biology majors)

*Student who complete BIOC 100A/B/C sequence can use BIOC 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.

BIOL 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) (W) ___

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>