HUMAN BIOLOGY B.S. 2015-16

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

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

INTRODUCTORY 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) ___

Organic Chemistry: CHEM 108A/L (FW) ___ + 108B/M (WS) ___ (109 optional)

Statistics: AMS 5 (FWS) ___ OR 7/L (FWS) ___

Physics: PHYS 6A/L (FWS) ___ + 6C/N (FS) ___

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) ___

ADVANCED REQUIREMENTS (7 total including an internship)

Biochemistry: BIOL 100 (FW) ___ OR BIOC 100A (F) ___ + 100B (W) ___ + 100C (S) ___

Molecular Biology: BIOL 101 (WS) ___ (BIOL 101L is not required for human biology majors)

Genetics: BIOL 105 (FWS) ___

Cell Biology: BIOL 110 (FS) ___

Human Physiology: BIOL 130/L (FW) ___

Electives: ONE from the following...

BIOL 111 Immunology (-) ___
BIOL 111A Immunology I (W) ___
BIOL 111B Immunology II (S) ___
BIOL 113 Mammalian Endocrinology (-) ___
BIOL 114 Cancer Cell Biology (S) ___
BIOL 115 Eukaryotic Molecular Biology (W) ___
BIOL 117 Global Health & Neglected Diseases (3 units)(W) ___
BIOL 120 Developmental Biology (W) ___
BIOL 125 Intro Neuroscience (W) ___

BIOL 126 Advanced Neural Development (S) ___
BIOL 127 Neurodegenerative Disease (S) ___
BIOE 133/L Exercise Physiology (S) ___
BME 130 Genomes (F) ___
BME 155 Biotechnology & Drug Development (W) ___
BME 178 Stern Cell Biology (W) ___
METX 119 Microbiology (FS) ___
METX 135/L Human Anatomy/Lab (S) ___

PHYS 180 Biophysics (S) ___

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

Must be approved by Internship coordinator, Caroline Berger.
http://mcd.ucsc.edu/academics/human-biology/health-science-internship.html

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

NOTE: This requirement must be completed at UCSC.

COMPREHENSIVE REQUIREMENT (Senior Exit Requirement): _______

Satisfied by successful completion of the internship requirement
For more information on satisfying this requirement, visit:
http://undergrad.pbsci.ucsc.edu/mcdb/completing-the-major/senior-exit.html

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, and BIOE 20B with grades of C+ or better.
No more then one non-passing grade in the qual courses is accepted.