HUMAN BIOLOGY B.S.

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) ___  
*Limited enrollment capacity for 2017-2018

Organic Chemistry:  
- CHEM 8A/L (FW) ___ + 8B/M (WS) ___ (109 optional)

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

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

Note: PHYS 7A/B and 6L will not satisfy prerequisites for admission to most medical schools

Spanish Language Requirement

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

(7 total including an internship)

Biochemistry & Molecular Biology:  
- BIOL 100 (FW) ___ + BIOL 101 (WS) ___ OR BIOL 100A (F) ___ + 100B (W) ___ + 100C (S) ___  
(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: Minimum 10 credits of upper division coursework  
All courses listed are 5 credits unless otherwise noted.

BIOE 133/L Exercise Physiology (S) ___  
BIOI 111A Immunology I (W) ___  
BIOI 111B Immunology II (-) ___  
BIOI 112 Virology (3 units) (W) ___  
BIOI 114 Cancer Cell Biology (S) ___  
BIOI 115 Eukaryotic Molecular Biology (S) ___  
BIOI 116 Advanced Topics in Cell Biology (3 units) (S) ___  
BIOI 117 Global Health & Neglected Diseases (3 units) (W) ___  
BIOI 120 Developmental Biology (W) ___  
BIOI 125 Intro Neuroscience (FS) ___  
BIOI 126 Advanced Molecular Neuroscience (S) ___  

Internship:  
- BIOI 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 (DC): Satisfied by successful completion of BIOI 130L and BIOI 189/W  
This requirement must be completed at UCSC. Note: The Academic Advising Report may not reflect current DC requirements.  
Check-in with an MCD Biology adviser about fulfilling this requirement.

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, BIOL 20L, and BIOE 208 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.