## Human Biology B.S. 2013/14

Name: ____________________________  Date: ____________________________  ID#: ____________________________

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

Note: All courses on check list must be taken for a letter grade.

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.

### Introductory Requirements

**Calculus:**
- MATH 11A (FWS) ___ + 11B (FWS) ___  
- OR MATH 19A (FWS) ___ + 19B (FWS) ___  
- OR AMS 15A (*) ___ + 15B (*) ___

**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 Requirement

- Spanish language to proficiency and Medical Spanish  
  Spanish Placement Exam required before beginning Spanish  
  (http://language.ucsc.edu/undergraduate/spanish/placement_spanish.php)

- **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 (5 courses total plus internship requirement)

**Biochemistry:**
- BIOL 100/K (FS) ___  OR  BIOC 100A/K (F) ___ + 100B (W) ___ + 100C (S) ___

**Genetics:**
- BIOL 105 (FWS) ___

**Cell Biology:**
- BIOL 110 (FS) ___

**Physiology:**
- BIOL 130/L (lab required) (FW) ___

**Electives:**
- ONE from the following...
  - BIOE 133/L Exercise Physiology (S) ___
  - BIOL 111A Immunology I (W) ___
  - BIOL 111B Immunology II (S) ___
  - BIOL 113 Mammalian Endocrinology (S) ___
  - BIOL 114 Cancer Cell Biology (S) ___
  - BIOL 115 Eukaryotic Molecular Biology (WS) ___
  - BIOL 120 Developmental Biology (W) ___
  - BIOL 125 Intro Neuroscience (F) ___
  - BIOL 126 Adv. Molecular Neuroscience (W) ___
  - BIOL 127 Neurodegenerative Disease (*) ___
  - BIOL 135/L Human Anatomy & Lab (S) ___
  - BIOL 140 Biophysics (S) ___
  - BIOL 178 Stem Cell Biology (W) ___
  - BIOL 179 Biotechnology & Drug Development (W) ___
  - BIOL 182 Genomes (F) ___
  - METX 119 Microbiology (FW) ___

**Internship:**
- BIOL 189/W Health Sciences Internship (FWS) ___
  Must be approved by Internship Coordinator, Caroline Berger.  
  (http://mcd.ucsc.edu/academics/human-biology/health-science-internship.html)

**Disciplinary Communication:**
- Successful completion of BIOL 130L AND BIOL 189/W  
  (Note: **DC courses must be taken at UCSC**)

### Comprehensive Requirement (Senior Exit Requirement)

A passing grade in BIOL 189 satisfies the comprehensive requirement.

For more information see:  
(http://undergrad.pbsci.ucsc.edu/mcdb/completing-the-major/senior-exit.html)