

HUMAN BIOLOGY BS Requirements (2021-22)

*Course offerings are subject to change.

Lower Division Courses

Calculus:	<input type="checkbox"/> MATH 11A (FWS) or MATH 19A (FWS)	&	<input type="checkbox"/> MATH 11B (FWS) or MATH 19B (FWS)	
General Chem:	<input type="checkbox"/> CHEM 1A: General Chemistry (FWS)	&	<input type="checkbox"/> CHEM 1B: General Chemistry & (FWS) <input type="checkbox"/> CHEM 1M: General Chem Lab (FWS)	& <input type="checkbox"/> CHEM 1C: General Chemistry & (FWS) <input type="checkbox"/> CHEM 1N: General Chem Lab (FWS)
Biology:	<input type="checkbox"/> BIOL 20A: Cell and Molecular Bio (FWS)	&	<input type="checkbox"/> BIOE 20B: Development and Physiology (FWS)	& <input type="checkbox"/> BIOL 20L: Experimental Bio Lab (FWS)
Organic Chem:	<input type="checkbox"/> CHEM 8A: Organic Chemistry & (FW) <input type="checkbox"/> CHEM 8L: Organic Chem Lab (FW)	&	<input type="checkbox"/> CHEM 8B: Organic Chemistry (WS) <input type="checkbox"/> CHEM 8M: Organic Chem Lab (WS)	<input type="checkbox"/> BIOL 102J: Toxic RNA Lab I (F) OR <input type="checkbox"/> BIOL 107J: Synthetic Gene Regulation Lab I (F)
Statistics:	<input type="checkbox"/> STAT 5: Statistics (FWS)	OR	<input type="checkbox"/> STAT 7: Stats for the Biological, Environmental, and Health Sciences & (FWS) <input type="checkbox"/> STAT 7L: Stats Lab (FWS)	
Physics:	<input type="checkbox"/> PHYS 6A: Introductory Physics I & (FWS) <input type="checkbox"/> PHYS 6L: Introductory Physics I Lab (FWS)	&	<input type="checkbox"/> PHYS 6B: Introductory Physics II (WS)	OR <input type="checkbox"/> PHYS 6C: Introductory Physics III (FS)
Spanish:	Students must achieve proficiency and pass Medical Spanish			
	<input type="checkbox"/> Take the Spanish Placement Exam			
	<input type="checkbox"/> SPAN 1: Intro Spanish (FWS)			
	<input type="checkbox"/> SPAN 2: Intro Spanish (FWS)			
	<input type="checkbox"/> SPAN 3: Intro Spanish (FWS)			
	<input type="checkbox"/> SPAN 4: Intermediate Spanish (FWS)			
	<input type="checkbox"/> SPAN 5M: Medical Spanish (FWS)			

* All Spanish courses must be taken for a letter grade

After passing the above qualification courses shaded green with a C+ or better, you can submit a Petition to Declare. All qualification courses must be completed by the end of the 5th quarter and students must petition to declare by the 6th quarter deadline.

Declared

Upper Division Courses

Complete the major with the following:

CORE COURSES:

<input type="checkbox"/> BIOL 105: Genetics (FWS)	
<input type="checkbox"/> BIOL 100: Biochemistry (WS)	& <input type="checkbox"/> BIOL 101: Molecular Biology (FS)
OR	
<input type="checkbox"/> BIOC 100A: Biochemistry & Molecular Bio (F)	& <input type="checkbox"/> BIOC 100B: Biochemistry & MB (W) & <input type="checkbox"/> BIOC 100C: Biochemistry & MB (S)
<input type="checkbox"/> BIOL 110: Cell Biology (FWS)	
<input type="checkbox"/> BIOL 130: Human Physiology (WS)	
<input type="checkbox"/> BIOL 130L: Human Physiology Lab (WS)	

ELECTIVES: 2 UPPER DIVISION ELECTIVES (ONLY 1 OF WHICH MAY BE A 3-UNIT COURSE: BIOL 112, 116 or 188)

<input type="checkbox"/> BIOC 100C: Biochemistry
<input type="checkbox"/> BIOE 133/L: Exercise Physiology/Lab
<input type="checkbox"/> BIOL 111A: Immunology
<input type="checkbox"/> BIOL 111B: Immunology
<input type="checkbox"/> BIOL 112: Virology
<input type="checkbox"/> BIOL 114: Cancer Cell Biology
<input type="checkbox"/> BIOL 115: Eukaryotic Molecular Biology
<input type="checkbox"/> BIOL 116: Advanced Topics in Cell Biology
<input type="checkbox"/> BIOL 117: Global Health & Neglected Diseases
<input type="checkbox"/> BIOL 118: Principles of Human Genetics
<input type="checkbox"/> BIOL 120: Developmental Biology
<input type="checkbox"/> BIOL 125: Intro to Neuroscience
<input type="checkbox"/> BIOL 127: Mechanisms of Neurodegenerative Diseases
<input type="checkbox"/> BIOL 140: The RNA World
<input type="checkbox"/> BIOL 188: A Life in Medicine
<input type="checkbox"/> BME 130: Genomes
<input type="checkbox"/> BME 178: Stem Cell Biology
<input type="checkbox"/> CMMU 163: Health Care Inequalities
<input type="checkbox"/> METX 119: Microbiology
OR <input type="checkbox"/> METX 100: Introduction To Microbiology
<input type="checkbox"/> METX 135/L: Anatomy of the Human Body/Lab
<input type="checkbox"/> METX 140: Molecular Biology And Microbial Genetics
<input type="checkbox"/> PHYS 180: Biophysics

INTERNSHIP REQUIREMENT

<input type="checkbox"/> BIOL 189: Health Sciences Internship	** Please note you must apply for the internship
<input type="checkbox"/> BIOL 189W: Disciplinary Communication: Human Biology	

DISCIPLINARY COMMUNICATION REQUIREMENT

