

# Human Biology Minor

Students must complete requirements in one of the following areas of emphasis:

- Applied Human Biology
- General Human Biology

## Applied Human Biology

Code	Title	Credits
<b>Supporting Courses</b>		<b>20</b>
BIOLOGY 201 & BIOLOGY 202	Principles of Biology: Cellular and Molecular Processes and Principles of Biology Lab: Cellular and Molecular Processes	
CHEM 207	Laboratory Safety (must take at the same time OR before taking chemistry)	
CHEM 211 & CHEM 213	Principles of Chemistry I and Principles of Chemistry I Laboratory	
CHEM 212 & CHEM 214	Principles of Chemistry II and Principles of Chemistry II Laboratory	
<b>Select one (of 2) Anatomy and Physiology options:</b>		
HUM BIOL 240 & HUM BIOL 241	Anatomy and Physiology and Anatomy and Physiology Lab	
<b>or BOTH</b>		
HUM BIOL 221 & HUM BIOL 222	Anatomy and Physiology I and Anatomy and Physiology II	
<b>Upper-Level Courses</b>		<b>14-16</b>
BIOLOGY 407 & BIOLOGY 408	Molecular Biology and Molecular Biology Laboratory	
OR		
CHEM 330 & CHEM 331	Biochemistry and Biochemistry Laboratory	
<b>Choose one of the following courses:</b>		
BIOLOGY 346	Comparative Physiology	
HUM BIOL 360 & HUM BIOL 361	Exercise Physiology and Human Physiology Lab - Exercise and Metabolism	
HUM BIOL 402	Human Physiology	
<b>Electives</b>		
Choose 7-8 credits of upper-level Biology, Chemistry, Human Biology or Nutritional Sciences courses with assistance of a faculty adviser.		
<b>Total Credits</b>		<b>34-36</b>

## General Human Biology

Code	Title	Credits
<b>Supporting Courses</b>		<b>15-20</b>
BIOLOGY 201 & BIOLOGY 202	Principles of Biology: Cellular and Molecular Processes and Principles of Biology Lab: Cellular and Molecular Processes	
CHEM 207	Laboratory Safety (must take at the same time OR before taking chemistry)	
<b>Select one (of 2) Anatomy and Physiology options:</b>		
HUM BIOL 240 & HUM BIOL 241	Anatomy and Physiology and Anatomy and Physiology Lab	
<b>or BOTH</b>		
HUM BIOL 221 & HUM BIOL 222	Anatomy and Physiology I and Anatomy and Physiology II	
<b>Select one (of 2) Chemistry options:</b>		
CHEM 211 & CHEM 213	Principles of Chemistry I and Principles of Chemistry I Laboratory	

CHEM 212 & CHEM 214	Principles of Chemistry II and Principles of Chemistry II Laboratory	
or		
CHEM 108 & CHEM 109	Survey of General, Organic and Biochemistry and Survey of General, Organic, and Biochemistry Laboratory	
<b>Upper-Level Courses</b>		<b>12-13</b>
<b>Choose one course from each of the following areas:</b>		
<b>Genetics</b>		
BIOLOGY 303 or HUM BIOL 310	Genetics Human Genetics	
<b>Physiology</b>		
HUM BIOL 402	Human Physiology	
OR		
HUM BIOL 360 & HUM BIOL 361	Exercise Physiology and Human Physiology Lab - Exercise and Metabolism	
<b>Nutrition</b>		
NUT SCI 300 or NUT SCI 350	Human Nutrition Life Cycle Nutrition	
<b>Cell Biology</b>		
BIOLOGY 323 or BIOLOGY 307	Principles of Microbiology Cell Biology	
<b>Total Credits</b>		<b>27-33</b>