

# Human Biology Minor

## Area of Emphasis

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>		
<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		34-36

## 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

**Upper-Level Courses**

**12-13**

**Choose one course from each of the following areas:**

**Genetics**

BIOLOGY 303 Genetics  
or HUM BIOL 310 Human Genetics

**Physiology**

HUM BIOL 402 Human Physiology

OR

HUM BIOL 360 Exercise Physiology  
& HUM BIOL 361 and Human Physiology Lab - Exercise and Metabolism

**Nutrition**

NUT SCI 300 Human Nutrition  
or NUT SCI 350 Life Cycle Nutrition

**Cell Biology**

BIOLOGY 302 Principles of Microbiology  
or BIOLOGY 307 Cell Biology

Total Credits

27-33