

Applied Public Health Emphasis

HUMAN BIOLOGY Major

Code	Title	Credits	
Supporting Courses			
BIOLOGY 201 & BIOLOGY 202	Principles of Biology: Cellular and Molecular Processes and Principles of Biology Lab: Cellular and Molecular Processes	41-44	
CHEM 207	Laboratory Safety		
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		
NUT SCI 212	Science of Food Preparation		
ENG COMP 105	English Composition II: Composition and Rhetoric ¹		
Select one (of 2) Anatomy and Physiology Options:			
HUM BIOL 204	Anatomy and Physiology		
or BOTH			
HUM BIOL 221 & HUM BIOL 222	Anatomy and Physiology I and Anatomy and Physiology II		
MATH			
MATH 104	Precalculus		
MATH 260	Introductory Statistics		
Select one (of 3) options: ²			
COMM 133 or COMM 166	Fundamentals of Public Address Fundamentals of Interpersonal Communication		
OR			
Any literature course, e.g., ENGLISH 104 Introduction to Literature			
OR			
One year of college-level foreign language			
Upper-Level Courses		30	
Required:			
BIOLOGY 302	Principles of Microbiology		
HUM BIOL 322	Epidemiology		
NUT SCI 312	Quantity Food Production and Service		
NUT SCI 421	Community Nutrition		
Choose one:			
BIOLOGY 402	Advanced Microbiology		
HUM BIOL 427	Cancer Biology Laboratory		
Choose one:			
HIMT 310	Healthcare Systems and Organizations		
HIMT 360	Healthcare II: Survey of Disease & Treatments		
Select one of the following (lab) courses:			
BIOLOGY 304	Genetics Laboratory		
BIOLOGY 308	Cell Biology Laboratory		
BIOLOGY 322	Environmental Microbiology		
BIOLOGY 340	Comparative Anatomy of Vertebrates		
BIOLOGY 349	Comparative Physiology Laboratory		
BIOLOGY 408	Molecular Biology Laboratory		
HUM BIOL 341	Human Anatomy Laboratory		
CHEM 331	Biochemistry Laboratory		
HUM BIOL 351	Kinesiology		

HUM BIOL 361 Human Physiology Lab - Exercise and Metabolism

HUM BIOL 403 Human Physiology Laboratory

HUM BIOL 423 Immunology Lab

NUT SCI 329 NUTRITIONAL BIOCHEM LAB

Select one option for organic chemistry:

CHEM 300 & CHEM 301 Bio-Organic Chemistry and Bio-Organic Chemistry Laboratory

CHEM 302 & CHEM 304 Organic Chemistry I and Organic Chemistry Laboratory I

Electives, as needed, to acquire 30 credits of upper level coursework. Options to fulfill this requirement include upper level courses in Human Biology, Nutritional Science, Biology and Psychology.

Total Credits

71-74

¹ May be satisfied with an ACT English score of 32 or higher