Health Science Emphasis

Supporting Courses [1]		41-44
BIOLOGY 201 & BIOLOGY 202	Principles of Biology: Cellular and Molecular Processes and Principles of Biology Lab: Cellular and Molecular Processes	
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	
ENG COMP 105	Expository Writing [2]	
HUM BIOL 204	Anatomy and Physiology	
HUM BIOL 207	Laboratory Safety	
MATH 260	Introductory Statistics	
Choose one of the following courses:		
MATH 104	Elementary Functions: Algebra and Trigonometry	
MATH 202	Calculus and Analytic Geometry I	
MATH 203	Calculus and Analytic Geometry II	
Choose one of the following options:		
PHYSICS 103 & PHYSICS 104	Fundamentals of Physics I and Fundamentals of Physics II	
PHYSICS 201 & PHYSICS 202	Principles of Physics I and Principles of Physics II	
Choose one of the following courses:		
COMM 133	Fundamentals of Public Address (Or Oral Communication)	
OR		
ENGLISH 104	Introduction to Literature (Or any English Literature course)	
OR		
One year of any college-level foreign language		
Upper-Level Courses		32-33
Choose three of the following courses:		
BIOLOGY 303	Genetics	
or HUM BIOL 310	Human Genetics	
BIOLOGY 307	Cell Biology	
HUM BIOL 402	Human Physiology	
NUT SCI 300	Human Nutrition	
Required Courses		
BIOLOGY 302	Principles of Microbiology	
CHEM 302 & CHEM 304	Organic Chemistry I and Organic Chemistry Laboratory I	
CHEM 303 & CHEM 305	Organic Chemistry II and Organic Chemistry Laboratory II	
CHEM 311	Analytical Chemistry	
or CHEM 330	Biochemistry	
Health Science Electives (choose 8 credits):		
Minimum of two upper-level laboratory courses. [3]		
BIOLOGY 304	Genetics Laboratory	
BIOLOGY 308	Cell Biology Laboratory	
BIOLOGY 340	Comparative Anatomy of Vertebrates	
BIOLOGY 402	Advanced Microbiology	
BIOLOGY 408	Molecular Biology Laboratory	
BIOLOGY 411	Developmental Biology Laboratory	
CHEM 331	Biochemistry Laboratory	

CHEM 408	Molecular Biology Laboratory
HUM BIOL 403	Human Physiology Laboratory
HUM BIOL 423	Immunology Lab
HUM BIOL 427	Cancer Biology Laboratory
Additional Upper-Level Electives	
BIOLOGY 303	Genetics
BIOLOGY 304	Genetics Laboratory
BIOLOGY 307	Cell Biology
BIOLOGY 308	Cell Biology Laboratory
BIOLOGY 309	Evolutionary Biology
BIOLOGY 340	Comparative Anatomy of Vertebrates
BIOLOGY 345	Animal Behavior
BIOLOGY 402	Advanced Microbiology
BIOLOGY 407	Molecular Biology
BIOLOGY 408	Molecular Biology Laboratory
BIOLOGY 410	Developmental Biology
BIOLOGY 411	Developmental Biology Laboratory
CHEM 311	Analytical Chemistry
CHEM 330	Biochemistry
CHEM 331	Biochemistry Laboratory
CHEM 407	Molecular Biology
CHEM 408	Molecular Biology Laboratory
HUM BIOL 310	Human Genetics
HUM BIOL 324	The Biology of Women
HUM BIOL 333	Principles of Sports Physiology
HUM BIOL 341	Human Anatomy Laboratory
HUM BIOL 360 & HUM BIOL 361	Exercise Physiology and Human Physiology Lab - Exercise and Metabolism
HUM BIOL 402	Human Physiology
HUM BIOL 403	Human Physiology Laboratory
HUM BIOL 405	Biotechnology and Ethics
HUM BIOL 413	Neurobiology
HUM BIOL 422	Immunology
HUM BIOL 423	Immunology Lab
HUM BIOL 426	Cancer Biology
HUM BIOL 427	Cancer Biology Laboratory
HUM BIOL 444	Endocrinology
HUM BIOL 495	Research in Human Biology
HUM BIOL 497	Internship
HUM BIOL 498	Independent Study
Total Credits	73-77

1 It is highly recommended that as **freshmen**, pre-medical and pre-dental students take BIOLOGY 201, BIOLOGY 202 and CHEM 211, CHEM 212, CHEM 213, CHEM 214 and consult and adviser.

2 Satisfied with an ACT English score of 32 or higher.

3 BIOLOGY 340 and BIOLOGY 402 are 4 credits each, all other courses in this list are 1 credit.