

Biomedical Sciences Classes

CORE CLASSES	Credits	Gen Ed
BIOL 151 General Biology I: Cells and Genetics	4	
BIOL 152 General Biology II	4	
CHEM 105 General Chemistry I	4	NW
CHEM 106 General Chemistry II	4	
BIOL 301 Communicating in Biology	3	CM
MATH 125 or STAT 100 Probability & Statistics	3	TM
CHEM 341 Organic Chemistry I OR	4	
BIOL 307 Cell Biology	3	
Core Credits	25-26	
CAREER SPECIFIC COGNATES		
BIOL 307 Cell Biology (if not selected above)	3	
BIOL 311 Genetics (Lecture and lab)	4	
CHEM 341 Organic Chemistry (If not selected above)	4	
CHEM 342 Organic Chemistry II (If not selected above)	4	
CHEM 425 Biochemistry I	4	
PHYS 101 or 103 College or University Physics I	4	
PHYS 202 or 104 College or University Physics II	4	
MATH 141 and 142 sequence or Math 151 Calculus	4	TM
PHTH 331 Death and Dying	3	
PHTH 333 Human Nutrition	3	
PHTH 342 Women's Health	3	
PHTH 430 Human Disease: Patterns/Prev'n	3	
PHTH 385 Epidemiology and Biostatistics	3	SW
Cognate Courses Credits	12-16	
HEALTHCARE EXPERIENCE		
BIOL /PHTH 370 Health Coaches II	2	
Internship Experience	2-4	
Independent Research BIOL 485 or CHEM 497	2-4	
Healthcare Experience Credits	2-4	

PATIENT COMMUNICATION	Credits	Gen Ed
BIOL/PHTH 270 Health Coaches I	2	
Medical Spanish (may be taken online)	1	
DRAM 235 Introduction to Acting	3	TA
PHTH 310 Health Disparities	3	
BIOL 479 Issues in Health Care	1	
PHIL 331 Moral Issues in Mental Health	3	TF
Patient Communication Credits	2-3	
UNDERSTANDING HUMAN BEHAVIOR		
PSYC 100 Introduction to Psychology	3	
PSYC 220 Child Development	3	
PSYC 370 Theories of Personalities	3	
PSYC 375 Abnormal Psyc	3	
ANTH 202 Cultural Anthropology 3 GC	3	
Understanding Human Behavior Credits	6	
ELECTIVES		
Chem 311 Quantitative Analysis (Lec and Lab)	4	
Chem 315 Forensics	3	
BIOL 320 Microbiology (Lec and Lab)	4	
BIOL 403 Human Anatomy and Physiology I (Lec and Lab)	4	
BIOL 404 Human Anatomy and Physiology II (Lec and Lab)	4	
BIOL 407 Cell Physiology (Lec and Lab)	3-4	
BIOL 410 Human Physiology (Lec and Lab)	3-4	
BIOL 413 Neurophysiology (Lec and Lab)	3-4	
BIOL 415 Virology	3	CT
BIOL 418 Microbial Diseases	3	
BIOL 426 Immunobiology	3	
CHEM 426 Biochemistry II (Lec and Lab)	3-4	
BIOL 431 Developmental Biology	3	
CHEM 444 Advanced Organic Chemistry	3	
BIOL 445 Human Genetic Diseases	3	
CHEM 461 Nanomedicine	3	
EXSC 450 Kinesiology/Movement	3	
Electives Credit Totals	14	
At least two courses must have accompanying labs		
Total Program Credits	61-69	

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