

Exercise Science Emphasis

HUMAN BIOLOGY Major

First Aid/CPR Requirement		0-3
HUM BIOL 116	First Aid and Emergency Care Procedures	
Writing Requirement		0-3
ENG COMP 105	Expository Writing	
Supporting Courses		27
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	
HUM BIOL 204	Anatomy and Physiology	
HUM BIOL 207	Laboratory Safety	
HUM BIOL 210	Prevention and Treatment of Athletic Injuries	
MATH 260	Introductory Statistics	
Choose one of the following 3 options:		
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		30
HUM BIOL 333	Principles of Sports Physiology	
HUM BIOL 351	Kinesiology	
HUM BIOL 360 & HUM BIOL 361	Exercise Physiology and Human Physiology Lab - Exercise and Metabolism	
NUT SCI 300	Human Nutrition	
Choose one of the following courses:		
BIOLOGY 303	Genetics	
BIOLOGY 307	Cell Biology	
HUM BIOL 310	Human Genetics	
Laboratory Electives (choose 1 course from the following courses):¹		
BIOLOGY 302	Principles of Microbiology	
BIOLOGY 304	Genetics Laboratory	
BIOLOGY 308	Cell Biology Laboratory	
BIOLOGY 340	Comparative Anatomy of Vertebrates	
BIOLOGY/CHEM 408	Molecular Biology Laboratory	
BIOLOGY 411	Developmental Biology Laboratory	
HUM BIOL 341	Human Anatomy Laboratory	
HUM BIOL 403	Human Physiology Laboratory	
HUM BIOL 423	Immunology Lab	
HUM BIOL 427	Cancer Biology Laboratory	
Additional Upper-Level Electives		
BIOLOGY 302	Principles of Microbiology	
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 346	Comparative Physiology
BUS ADM 382	Introductory Management
CHEM 300	Bio-Organic Chemistry
CHEM 301	Bio-Organic Chemistry Laboratory
HUM BIOL 310	Human Genetics
HUM BIOL/WOST 324	The Biology of Women
HUM BIOL 341	Human Anatomy Laboratory
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
NUT SCI 302	Ethnic Influences on Nutrition
NUT SCI 327	Nutritional Biochemistry
NUT SCI 350	Life Cycle Nutrition
NUT SCI 427	Advanced Nutrition and Metabolism
(Only) 2 courses in Psychology may be used for upper-level electives.	
PSYCH 300	Research Methods in Psychology
PSYCH 308	Physiological Psychology
PSYCH 435	Abnormal Psychology
PSYCH 450	Health Psychology

Total Credits**57-63**

- ¹ Select upper-level courses with assistance of a faculty adviser. A maximum of two PSYCH courses can be applied to the major. Minimum of three upper-level laboratory courses.

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