

2007-2008 Health Sciences - Health Studies

The Health Studies Concentration is designed for students interested in making application to professional programs. This concentration combines a broad foundation of health-related courses with course work commonly required as prerequisites for professional programming. Students can elect preparation in the following areas: pre-medical, pre-dental, pre-optometry, pre-occupational therapy, pre-physical therapy, pre-pharmacy, pre-physician assistant and pre-veterinary. Graduation requirements for a Bachelor of Science degree with a major in Health Sciences and a concentration in Health Studies include the completion of general education curriculum, the Health Studies concentration, a pre-professional package and a total of 120 credits hours.

<u>General Education</u>	<u>Health Studies</u>
Cluster 1:	CHEM 131+L & CHEM 132 +L or 120+ L
Writing	BIO 270 Human Physiology or BIO 370
Communication	BIO 290 Human Anatomy
Critical Thinking	NUTR 280 Nutrition for Wellness
Cluster 2:	GHTH 100 Personal Wellness
Hist/Phil/Cultural	HTH 151 Foundations of Hth Sciences
Fine Arts	HTH 320 Stats Methods for Hth Sciences
Literature	HTH 354 U.S. Health Care System
Cluster 3:	HTH 408 Hth Research Information
Calculus/Statistics	HTH 450 Epidemiology
CHEM 131	HTH 451 Health Behavior Change
Group 3	MATH 220 Statistics
Cluster 4:	Select four :
American Exp.	HTH 300 Medical Terminology
Global Exp.	HTH 352 Environmental Health
Cluster 5:	HTH 370 Child and Adolescent Health
GHTH 100	HTH 372 Human Sexuality
Socio-Cultural	HTH 378 Use and Effects of Drugs
	HTH 441 Rehabilitative Biomechanics
	HTH 458 Hth Program Planning and Eval
	HTH 471 Health Aspect of Gerontology

James Madison University Health Sciences Department

Phone: (540) 568-6510

Web site: www.healthsci.jmu.edu/

<u>Pre-Physical Therapy</u>	<u>Pre-Optometry</u>
CHEM 131+ L & CHEM 132 + L	BIO 114 Organisms
BIO 270 Human Physiology	BIO 214 Cell and Molecular Biology
BIO 290 Human Anatomy	BIO 280 or 380 Microbiology
PHYS 140 + L & PHYS 150 + L	CHEM 131+ L & CHEM 132 + L
MATH 205 & MATH 220 Statistics	CHEM 341 & CHEM 342&CHEM 346L
Eng 6 credits	PHYS 140 + L & PHYS 150 + L
GPSYC 101 & GPSYC 160	Math (stats & calculus) 6 credits
PSYC 250 Abnormal Psych	Eng 6 credits
GSOCI 210 Social Issues	GPSYC 101 General Psychology
<u>Pre-Physician Assistant</u>	<u>Pre-Vet</u>
BIO 114 Organisms	BIO 114 Organisms
BIO 124 Ecology and Evolution	BIO 214 Cell and Molecular Biology
BIO 214 Cell and Molecular Biology	BIO 224 Genetics (pre-req BIO 214)
BIO 224 Genetics (pre-req BIO 214)	BIO 370 Animal Physiology
BIO 270 Human Physiology	BIO 380 General Microbiology
BIO 290 Human Anatomy	CHEM 131+ L & CHEM 132 + L
CHEM 131+ L & 132 + L	CHEM 341 & CHEM 342 & CHEM 346
CHEM 221+L Organic Chem	CHEM 361 Biochemistry
CHEM 222 Biochem	PHYS 140 + L & PHYS 150 + L
HTH 300 Medical Terminology	MATH 220 Elementary Statistics
MATH 220 Statistics	MATH 231 & 232 Cal with Applications
<u>Pre-Dentistry</u>	<u>Pre-Medicine</u>
BIO 114 Organisms	BIO 114 Organisms
BIO 214 Cell and Molecular Biology	BIO 214 Cell and Molecular Biology
CHEM 131+ L & CHEM 132 + L	CHEM 131+ L & CHEM 132 + L
CHEM 341 & CHEM 342 & CHEM 346L	CHEM 341 & CHEM 342 & CHEM 346L
PHYS 140 + L & PHYS 150 + L	PHYS 140 + L & PHYS 150 + L
Math 6 credits	Eng 6 credits
Eng 6 credits	Math (cal & stats) 6 credits
<u>Pre-OT</u>	<u>Pre-Pharmacy</u>
BIO 270 Human Physiology	BIO 114 Organisms
BIO 290 Human Anatomy	BIO 214 Cell and Molecular Biology
CHEM 120	CHEM 131+ L & CHEM 132 + L
MATH 220 Elementary Statistics	CHEM 341 & CHEM 342 & CHEM 346L
GPSYC 160 Developmental	MATH 220 Statistics (after MATH 155)
PSYC 250 Abnormal	PHYS 140 + L & PHYS 150 + L
GSOC 210 or GSOC 240	GCOM 121 or GCOM 122
Select one:	MATH 155 & 205 OR MATH 231 & 232
PHYS 125 Principles of Physics	Eng 6 credits
PHYS 140 + L General Physics	
HTH 441/KIN 407 Rehab Biomech	