

Health Sciences major, Health Studies concentration

<u>General Education</u> <input checked="" type="checkbox"/>	<u>Health Studies</u>	<u>Credits</u>	<input checked="" type="checkbox"/>
Cluster 1:	Complete all of the following:		
Writing	CHEM 120 or CHEM 131+ L/CHEM 132 + L	3-8	
Communication	MATH 220 Statistics	3	
Critical Thinking	HTH 100 Personal Wellness	3	
Cluster 2:	HTH 150-Introduction to Health Sciences	2	
Human Questions	HTH 210-Medical Terminology	3	
Arts	HTH 231-Population Health Determinants	3	
Literature	HTH 245-Foundations of Infectious Disease	3	
Cluster 3:	HTH 320-Statistical Methods for Health Science Research	3	
group 1	HTH 340-Chronic Disease and Disabilities	3	
group 2	HTH 351-Health Behavior Change	3	
group 3	HTH 354-U.S. and Global Health Care Systems	3	
Cluster 4:	HTH 408-Health Research Methods	3	
American Exp.	HTH 423-Ethics and Critical Thinking in Health	3	
Global Exp.	HTH 450-Epidemiology	3	
Cluster 5:	Select two of the following:		
Wellness	BIO 270 Human Physiology or BIO 370 Animal Physiology	4	
Socio-cultural	BIO 280 Allied Health Microbiology or BIO 245 General Microbiology	4	
	BIO 290 Human Anatomy	4	
<u>Course suggestions for Gen Edu clusters:</u>	Select 16 credits from the following: <i>(requisites listed on back and in catalog)</i>		
<u>pre-dent:</u> PSYC 101 or 160	BIO 114 Organisms or BIO 150 Biology II	4	
<u>pre-med:</u> PHIL 120; PSYC 101 or 160; SOCI 110 or 140	BIO 214 Cell and Molecular Biology or BIO 140 Biology I	4	
<u>pre-ot:</u> PSYC 160; SOCI 110 or 140; PHIL 150; ANTH 195	BIO 224/BIO 240 Genetics and Development	4	
<u>pre-opto:</u> PSYC 101	BIO 280 Allied Health Microbiology or BIO 245 General Microbio <i>(if not used under select 2 area)</i>	4	
<u>pre-pharm:</u> SCOM 121 or 122; ECON 200 or 201; SOCI 110 or 140; PSYC 101 or 160	BIO 370 Animal Physiology <i>(if not used under select 2 area)</i>	4	
<u>pre-pt:</u> PSYC 101 and 160; SOCI 110	BIO 324 Human Genetics	3	
<u>pre-pa:</u> PSYC 101 or 160	CHEM 241 Organic Chemistry <i>(fall only)</i>	3	
<u>pre-vet:</u> SOCI 110 or 140 or ANTH 195; PSYC 101 or 160	CHEM 241L Organic Chemistry Lab <i>(fall only)</i>	1	
	CHEM 260 Biochemistry <i>(spring only)</i>	3	
	CHEM 242 Organic Chemistry <i>(spring only)</i>	3	
	CHEM 242L Organic Chemistry Lab <i>(spring only)</i>	2	
	PHYS 140 + 140L College Physics I <i>(fall only)</i>	3 + 1	
	PHYS 150 + 150L College Physics II <i>(spring only)</i>	3 + 1	
	PSYC 101 General Psychology	3	
<u>graduation requirements:</u>	PSYC 160 Lifespan Human Development Psychology	3	
complete all courses w/D- or higher	PSYC 250 Abnormal Psychology	3	
earn 2.0 cum GPA & 2.0 major GPA	HTH 441 Rehabilitative Biomechanics	3	
120 total credit hrs (60 from 4 yr/30 from JMU)	NUTR 280 Nutrition for Wellness	3	

Course:	prerequisites & corequisites:
BIO 140	bio major or pre-professional declared
BIO 150	prerequisite: grade of c- or better in BIO 140
BIO 214	prerequisite: grades of c- or better in BIO 114 and CHEM 131
BIO 220	prerequisite: CHEM 132 or CHEM 120
BIO 224	prerequisite: grade of c- or better in BIO 140 or BIO 214
BIO 240	prerequisite: grade of c- or better in BIO 140
BIO 245	prerequisite: BIO 140 corequisite: CHEM 131
BIO 250	prerequisite: grade of c- or better in BIO 150, GEOG 210 or ISAT 112
BIO 270	prerequisite or corequisite: CHEM 120 or CHEM 131 or equivalent and MATH 220 or equivalent
BIO 280	prerequisite: CHEM 120, ISCI 101 BIO 103 or equivalent
BIO 290	HS, KIN, NURS major or pre-professional declared
BIO 370	prerequisite: BIO 214 or BIO 240, and CHEM 132
BIO 324	prerequisite: BIO 224 or BIO 240
BIO 380	prerequisite: BIO 214 or BIO 140

CHEM 120	prerequisite: NURS, AT major or pre-OT declared
CHEM 131+L	prerequisite: Health Sciences, Dietetics, Biology, Biophysical Chemistry, Chemistry, Physics, Geology, Biotechnology, Kinesiology, Athletic Training, Engineering, Nursing Majors and Pre-Med, Pre-Pharm, Pre-Dent, Pre-Opt, Pre-PA, Pre-PT, Pre-Vet or SEEDs corequisite: CHEM 131L or CHEM 135L.
CHEM 132+L	prerequisite: Grade of "C-" or higher in CHEM 131 and CHEM 131L or CHEM 135L. corequisite: CHEM 132L or CHEM 136L
CHEM 241	prerequisite: CHEM 132 with a grade of C- or better
CHEM 241L	dietetics major and pre-physicians assistants declared only prerequisite or corequisite: CHEM 241
CHEM 242	prerequisite: Completion of CHEM 241 with a grade of C- or better
CHEM 242L	prerequisite: grade of C- or higher in CHEM 241 corequisite: CHEM 242
CHEM 260	dietetics & pre-physicians assistants only prerequisite: CHEM 241 and either CHEM 241L or CHEM 242L
CHEM 361	prerequisites: grade of 'C-' or better in CHEM 241