

Health Science

Degree Type

Bachelor of Science

Division Dean: Jerry Alewine, Ed.D., R.R.T.

Director: Tracy L. Cook, M.S.R.C., R.R.T.

Requirements for the **Major in Health Science** (not including General Education Core); **due to the interdisciplinary nature of this degree, the Health Science electives counting towards this major (listed below) cannot be counted towards an additional science major or minor.**

Required Courses (4 @ 3-4 credit hours ea)

**MAT 111 or above

Item #	Title	Credits
BIO 215	Human Anatomy and Physiology I	4
BIO 216	Human Anatomy and Physiology II	4
MAT 200	Applied Statistics	3
MAT 111	College Algebra	4

Choose three of the following Public Health and Wellness Courses

Item #	Title	Credits
HCM 230	Introduction to Community Health	3
PHE 210	Personal and Community Health	3
PHE 220	Nutrition for Healthy Living	3
HLT 311	Chronic and Communicable Diseases	3
BIO 212	Microbiology	4

Choose one Introductory Biology Course

Item #	Title	Credits
BIO 101	Principles of Biology	4
BIO 121	Biological Science	4
BIO 130	Human Biology	4

Choose one of the following Physical Science Courses

Item #	Title	Credits
CHE 105	General, Organic and Biochemistry	4
CHE 113	General Chemistry I	4
PHY 101	Fundamentals of Physics I	4
PHY 213	Physics for Science and Engineering Students I	4

Choose one of the following Experiential Learning Courses

Item #	Title	Credits
BIO 391	Investigative Biology	2
CHE 391	Investigative Chemistry	2
BIO 491	Research in Biology	1-4
CHE 491	Research in Chemistry	2-6
BIO 495	Biology Internship	2-4
CHE 495	Internship	2-4
FSC 495	Forensic Science Internship	2-4
NUR 330	Adult Health Nursing Practice I	5

Choose from the following Capstone Courses

Item #	Title	Credits
BIO 481	Biology Junior Seminar	1
BIO 482	Biology Senior Seminar	1
CHE 481	Junior Seminar	1
CHE 482	Seminar	1
NUR 401	Selected Topics in Nursing Practice	2

Choose from the following Health Science Electives

Item #	Title	Credits
BIO 301	Biochemistry I	4
CHE 301	Biochemistry I	4
BIO 302	Biochemistry II	4
CHE 302	Biochemistry II	4
BIO 312	Virology	3
BIO 314	Histology	4
BIO 320	Pharmacology and Toxicology	3
BIO 322	Genetics	4
BIO 331	Cell Biology	4
BIO 342	Immunology	4
BIO 401	Advanced Biochemistry and Molecular Biology	4
CHE 401	Advanced Biochemistry and Molecular Biology	4
BIO 412	Molecular Biology	4
CHE 231	Organic Chemistry I	3
CHE 232	Organic Chemistry II	3
CHE 241	Organic Chemistry Laboratory I	2
CHE 242	Organic Chemistry Laboratory II	2
CHE 321	Analytical Chemistry I	4
CHE 322	Analytical Chemistry II	4
CHE 330	Environmental Chemistry	4
ENV 220	Environmental Issues	3
HIS 365	Environmental History	3
HLT 201	First Aid and Emergency Preparedness	3
HLT 312	Alcohol, Tobacco and Drug Education	3
HLT 314	Health Aspects of Human Sexuality	3
NUR 301	History & Trends in Professional Nursing	2
NUR 303	Pathophysiological Bases of Nursing Practice	3
NUR 311	Health Assessment for Nursing Practice	3
NUR 313	Fundamentals of Generalist Nursing Practice	5
NUR 320	Nursing Research and Evidence-Based Practice	3
NUR 330	Adult Health Nursing Practice I	5
NUR 332	Mental Health Nursing Practice	4
NUR 411	Adult Health Nursing Practice II	5
NUR 413	Nursing the Childbearing Family	4
NUR 415	Nursing of Children & Families	4
NUR 430	Critical Care Nursing Practice	4
NUR 432	Nursing Practice with Diverse Populations & Settings	4
NUR 434	Leadership, Management, & Change in Nursing Practice	4
PHE 229	Sports Psychology	3
PHE 255	Motor Development and Movement Education for PHE	3
PHE 302	Adaptive Physical Education	3
PHE 424	Kinesiology/Biomechanics	3
PHE 430	Physiology of Exercise	4
PSY 236	Social Psychology	3
SOC 236	Social Psychology	3
PSY 370	Physiological Psychology	3
Total Credits		61-65