

BHS in Health Science with Emphasis in Pre-Professional

Degree Program Description

The pre-professional emphasis in the health science major prepares students to apply for graduate and professional programs in medicine, dentistry, pharmacy, physician assistant studies, optometry and related areas. The pre-professional emphasis may also prepare students who have appropriate work experience as an undergraduate to work for clinical research companies, medical or pharmaceutical sales or other non-clinical health careers that require a background in science and knowledge of health care. The pre-professional emphasis area includes 20 hours of core required courses, general education, professional emphasis requirements and required electives that complement the student's pathway. In addition, the health science program requires an internship that is appropriate for a student's career goals. Examples of internships for the pre-professional emphasis include: Missouri Telehealth Network, MedZou Community Health Center, PhysAssist, and Scribe America.

Major Program Requirements

In addition to University of Missouri requirements (<http://catalog.missouri.edu/academicdegreerequirements/universityrequirements/>), including University general education (<http://catalog.missouri.edu/academicdegreerequirements/generaleducationrequirements/>), the Health Science degree with a Pre-Professional emphasis requires the following, each of which must be completed with a grade of C- or higher:

Program Requirements

ENGLISH 1000 or ENGLISH 1000H	Writing and Rhetoric Honors Writing and Rhetoric	3
MATH 1100 or MATH 1160	College Algebra Precalculus Mathematics	3-5
Approved Diversity Course	*This requirement may overlap with the Health Science Electives requirement, but not emphasis requirements.	3

Major Core Requirements

HLTH_SCI 1000 or HLTH_SCI 1000H	Introduction to the Health Professions Introduction to the Health Professions - Honors	3
HLTH_SCI 2400 or HLTH_SCI 2400H or HLTH_SCI 2400W or P_HLTH 2200	Contemporary Health Issues Contemporary Health Issues - Honors Contemporary Health Issues - Writing Intensive Introduction to Public Health and Health Promotion	3
HLTH_SCI 3000	Health Sciences Seminar	1
HLTH_SCI 3700 or HLTH_SCI 3700H	Health Care in the United States Health Care in the United States - Honors	3
HLTH_SCI 4200W or HLTH_SCI 4200HW	Introduction to The Research Process and Evidence Base - Writing Intensive Introduction to The Research Process and Evidence Base - Honors/Writing Intensive	3
HLTH_SCI 4480 or HLTH_SCI 4480W	Clinical Ethics Clinical Ethics - Writing Intensive	3
HLTH_SCI 4975	Internship in Health Sciences	1, 3 or 6
HLTH_SCI 4985	Healthcare Organization and Leadership	3

Pre-Professional Emphasis Requirements

BIO_SC 1500 or BIO_SC 1500H	Introduction to Biological Systems with Laboratory Introduction to Biological Systems with Laboratory Honors	5
BIO_SC 2200 or BIO_SC 2200H	General Genetics General Genetics - Honors	4
CHEM 1320 or CHEM 1320H	College Chemistry I College Chemistry I - Honors	4
CHEM 1330 or CHEM 1330H	College Chemistry II College Chemistry II- Honors	4
CHEM 2100 or CHEM 2030	Organic Chemistry I Survey of Organic Chemistry	3
MPP 3202 or BIO_SC 3700	Elements of Physiology Human Physiology	5
PHIL 2440	Medical Ethics	3
PHYSICS 1210	College Physics I	4
PSYCH 1000 or PSYCH 1000H	General Psychology General Psychology - Honors	3
PTH_AS 2201 & PTH_AS 2203	Human Anatomy Lecture and Human Anatomy Laboratory	5
STAT 1200 or STAT 1300 or ESC_PS 4170	Introductory Statistical Reasoning Elementary Statistics Introduction to Applied Statistics	3

Health Science Electives 18

Students must complete 18 hours of approved elective coursework. At least 9 credit hours must be taken as 3000/4000 level courses. Transfer courses taken at the freshman-sophomore level and accepted as equivalent to a 3000/4000 level course at the University may not count towards the 9 hour upper-level Health Science Elective requirement for the Health Science degree.

* HLTH_SCI 4300 will be changing to HLTH_SCI 3700 and HLTH_SCI 3900W will be changing to HLTH_SCI 4200W. Either course will be accepted towards degree requirements.

Semester Plan

Students should meet with an academic advisor in the School of Health Professions to discuss an individualized 8-semester plan based on their career goals, strengths and interests.

First Year			
Fall	CR	Spring	CR
BIO_SC 1500		5 BIO_SC 2200	4
HLTH_SCI 1000		3 CHEM 1320	4
MATH 1100		3 ENGLISH 1000	3
PSYCH 1000		3 Humanities course	3
Elective		1 Elective	1
			15
Second Year			
Fall	CR	Spring	CR
CHEM 1330		4 CHEM 2100	3
HLTH_SCI 2400		3 HLTH_SCI 3700	3
STAT 1200		3 Writing Intensive course	3
MO State Law Requirement		3 PHYSICS 1210	4
Elective		2 Elective	2
			15

Third Year			
Fall	CR	Spring	CR
HLTH_SCI 3000		1 HLTH_SCI 3900W	3
2000+ level Approved Health Science Elective/Approved Diversity Course		3 HLTH_SCI 4480	3
Elective		3 2000+ level Approved Health Science Elective	3
BIO_SC 3700		5 3000+ level Approved Health Science Elective	3
Humanities course		3 Elective	3
		15	15

Fourth Year			
Fall	CR	Spring	CR
HLTH_SCI 4975		3 HLTH_SCI 4985	3
PTH_AS 2201		3 2000+ level Approved Health Science Elective	3
PTH_AS 2203		2 3000+ level Approved Health Science Elective	3
PHIL 2440		3 Elective	3
3000+ level Approved Health Science Elective		3 Elective	3
Elective		1	
		15	15

Total Credits: 120