

# BHS in Health Science

## Degree Program Description

A Health Science major is for students who are interested in non-clinical health careers and for those interested in graduate or professional health science programs. Non-clinical health career options include medical case management, corporate wellness, human services, medical sales, pharmaceutical manufacturing and distribution, and more. Graduates holding the BHS in Health Sciences may also be qualified to enter either graduate or professional health science programs, such as physical therapy, public health, chiropractic medicine, health informatics and hospital administration. On-campus Health Science majors choose one of four emphases. These emphases include: Rehabilitation Sciences, for students pursuing physical therapy, chiropractic, orthotics/prosthetics, and similar degrees; Pre-Professional, for students who are pre-medicine, dentistry, pharmacy, physician assistant studies, optometry and related graduate/professional programs that require an undergraduate degree; Leadership and Policy, for students who are interested in pursuing non-clinical pathways after graduation, through graduate programs in health administration or working in areas such as health informatics, sales, program coordination and support areas in healthcare; and Health and Wellness Services, for students who wish to pursue health promotion, occupational therapy, wellness programming, non-profit work, applied behavioral analysis, as well as students who wish to pursue accelerated nursing after graduation with the health science degree. The health sciences curriculum includes courses in public health, health literacy, healthcare leadership and management, healthcare policy and funding, and clinical ethics. The capstone course sequence includes a required internship experience appropriate for the chosen sub-plan. Students may choose a health sciences study abroad experience approved by the Office of Experiential Learning to meet the internship requirement.

## Major Program Requirements

- Students must have a 2.0 GPA, most recent fall or spring term, cumulative including all transfer credit, and MU GPA to declare the Health Science major.
- All required core and elective coursework for the BHS in Health Science program, including emphasis and approved health science elective courses, must be completed with a grade of C- or higher.
- If a student earns a deficient grade in a core required course for the Health Science major, they may repeat a core required course one time. If the second attempt is not a C- or higher, students are required to transition out of the major.
- Students must complete all university requirements, including general education (<http://catalog.missouri.edu/academicdegreerequirements/generaleducationrequirements/>), and departmental requirements (<http://catalog.missouri.edu/collegeofhealthsciences/healthscience/>), in addition the degree requirements below.

## Capstone Requirement

The BHS in Health Science capstone is comprised of two courses: HLTH\_SCI 4975 and HLTH\_SCI 4985. HLTH\_SCI 4975 is an internship that is approved by the Department of Health Sciences' Office of Experiential Learning. Students may find their own internship experience or work with the course instructor/internship advisor to identify an appropriate placement given interests and goals.

Students may choose from:

- an internship at an agency, company, or corporation of their choice. For an internship to be approved as a capstone experience, it must help students solidify and explore areas of concentration. Internships must have prior approval from the Health Sciences Internship advisor;
- service learning project which allows a student to serve approximately 50 clock hours in an organization. This can be arranged with the Internship advisor or through the Office of Service Learning on campus, and
- an approved study abroad program

In addition to University of Missouri requirements, including University general education, the Health Science degree 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 (or equivalent) Honors Writing and Rhetoric	3
MATH 1100 or MATH 1160	College Algebra Precalculus Mathematics	3-5
BIO_SC 1010 & BIO_SC 1020 or BIO_SC 1500 or BIO_SC 1500H	General Principles and Concepts of Biology and General Biology Laboratory Introduction to Biological Systems with Laboratory Introduction to Biological Systems with Laboratory Honors	5
Physical Science course		1+
Behavioral Science course		1+
STAT 1200 or STAT 1300 or ESC_PS 4170	Introductory Statistical Reasoning Elementary Statistics Introduction to Applied Statistics	3
Approved Diversity Course Electives requirement, but not emphasis requirements.	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 (Honors students may add HLTH_SCI 1000H discussion) 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	Health Care in the United States	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

### Health Science Electives

Students must complete 18 hours of approved elective coursework.		18
At least 9 credit hours must be taken as 3000/4000 level courses.		

Students must complete coursework in at least two out of the following three thematic areas: Social/Behavioral; Medical/Biological; Administrative/Leadership.

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.

\* The MATH 1100 / MATH 1160 requirement applies only to the Pre-Professional and Rehabilitation Sciences emphases.

## Accelerated BHS to OTD in Occupational Therapy

Occupational therapists are skilled health professionals who provide services to individuals across the lifespan to maximize their independence in meaningful everyday activities. Occupational therapists use research, scientific evidence, and a holistic perspective to incorporate an individual's valued occupations into the intervention process.

BHS students have the option to apply and enter the OTD program after their junior year (90 credits of undergraduate coursework) and meet the requirements for completion of the BHS degree through the first year of coursework in the OTD. This program will allow students to complete both degrees in six years.

- Students considering this option will apply during the summer/fall after their sophomore year (after 60 credit hours completed); selected students being coursework the summer after completion of their junior year.
- Students must have evidence of a minimum of three semesters of college coursework after high school graduation.
- First year of OTD professional coursework also counts toward the BHS degree. Students must have at least 90 credits, all OT prerequisites, and all BHS degree requirements except the capstone requirement completed before beginning the OTD program. Students will then graduate with their BHS in May after successfully completing the first year of OTD coursework. The first year of OTD coursework includes a fieldwork experience and practicum experience which combined will meet the capstone requirement for the BHS degree.
- Students applying for the accelerated option (3+3) will be considered in the same pool as all other applicants. There are no reserved spots for 3+3 applicants, nor is there a limit on the number of 3+3 applicants will accept.
- The more prerequisites you have completed at the time of application, the more strongly your application will be considered.
- Professional tuition begins at the start of the OTD coursework.
- MU Health Sciences students applying for the 3+3 option must work very closely with their undergraduate School of Health Professions advisors before, during, and after application to ensure that they have completed all Health Science degree program requirements and all OT prerequisites before beginning the OTD program.

## Semester Plan

Below is a sample plan of study, semester by semester. A student's actual plan may vary based on course choices where options are available.

First Year			
Fall	CR	Spring	CR
Behavioral Science course		3 ENGLISH 1000	3
BIO_SC 1010		3 HLTH_SCI 1000	3
BIO_SC 1020		2 Humanities course	3
Humanities course		3 MO State Law Requirement	3
MATH 1050		3 Elective	3
Elective		1	
			15

Second Year			
Fall	CR	Spring	CR
HLTH_SCI 2400		3 HLTH_SCI 3700	3
STAT 1200		3 2000+ level Humanities course	3
Physical Science course		3 Writing Intensive course	3
Elective		3 Elective	3
Elective		3 Elective	3
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Third Year			
Fall	CR	Spring	CR
Biological/Physical/Mathematical Science Course		1 HLTH_SCI 3900W	3
HLTH_SCI 3000		1 2000+ level Approved Health Science Elective/Approved Diversity Course	3
HLTH_SCI 4480		3 3000+ level Approved Health Science Elective	3
2000+ level Approved Health Science Elective		3 Elective	3
Elective		3 Elective	3
Elective		3	
Elective		1	
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Fourth Year			
Fall	CR	Spring	CR
HLTH_SCI 4975		3 HLTH_SCI 4985	3
3000+ level Approved Health Science Elective		3 2000+ level Approved Health Science Elective	3
Elective		3 3000+ level Approved Health Science Elective	3
Elective		3 Elective	3
Elective		3 Elective	3
			15

**Total Credits: 120**