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 sub-plans. These sub-plans include: Rehabilitation Sciences, for students pursuing physical therapy, occupational 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, 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/academicdegerequirements/ generaleducationrequirements), and Departmental Requirements (http://catalog.missouri.edu/undergraduategraduate/ schoolofhealthprofessions/healthscience/#undergraduatetext), 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

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGLISH 1000</td>
<td>Exposition and Argumentation (or equivalent)</td>
<td>3</td>
</tr>
<tr>
<td>or ENGLISH 1000H</td>
<td>Honors Exposition English</td>
<td></td>
</tr>
<tr>
<td>MATH 1100</td>
<td>College Algebra</td>
<td>3-5</td>
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<tr>
<td>or MATH 1160</td>
<td>Precalculus Mathematics</td>
<td></td>
</tr>
<tr>
<td>BIO_SC 1010 &amp; BIO_SC 1020</td>
<td>General Principles and Concepts of Biology and General Biology Laboratory</td>
<td>5</td>
</tr>
<tr>
<td>or BIO_SC 1500</td>
<td>Introduction to Biological Systems with Laboratory</td>
<td></td>
</tr>
<tr>
<td>or BIO_SC 1500H</td>
<td>Introduction to Biological Systems with Laboratory Honors</td>
<td></td>
</tr>
<tr>
<td>Physical Science course</td>
<td>1+</td>
<td></td>
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<tr>
<td>Behavioral Science course</td>
<td>1+</td>
<td></td>
</tr>
<tr>
<td>STAT 1200</td>
<td>Introductory Statistical Reasoning</td>
<td>3</td>
</tr>
<tr>
<td>or STAT 1300</td>
<td>Elementary Statistics</td>
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<tr>
<td>or ESC_PS 4170</td>
<td>Introduction to Applied Statistics</td>
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Major Core Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
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<tbody>
<tr>
<td>HLTH_SCI 1000</td>
<td>Introduction to the Health Professions</td>
<td>3</td>
</tr>
<tr>
<td>or HLTH_SCI 1000H</td>
<td>(Honors students may add HLTH_SCI 1000H discussion)</td>
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<tr>
<td>HLTH_SCI 2100</td>
<td>Health Sciences Seminar</td>
<td>1</td>
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<tr>
<td>HLTH_SCI 3300</td>
<td>Public Health Principles, Practice, and Education</td>
<td>3</td>
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<tr>
<td>or HLTH_SCI 3300H</td>
<td>Public Health Principles, Practice, &amp; Education - Honors</td>
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</tr>
<tr>
<td>or HLTH_SCI 3300W</td>
<td>Public Health Principles, Practice, and Education - Writing Intensive</td>
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<tr>
<td>HLTH_SCI 3900W</td>
<td>Introduction to The Research Process and Evidence Base - Writing Intensive</td>
<td>3</td>
</tr>
<tr>
<td>or HLTH_SCI 3900HW</td>
<td>Introduction to The Research Process and Evidence Base - Honors/Writing Intensive</td>
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<tr>
<td>HLTH_SCI 4300</td>
<td>Health Care in the United States</td>
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<td>or HLTH_SCI 4300H</td>
<td>Health Care in the United States - Honors</td>
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<tr>
<td>HLTH_SCI 4480</td>
<td>Clinical Ethics</td>
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<td>or HLTH_SCI 4480W</td>
<td>Clinical Ethics - Writing Intensive</td>
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<tr>
<td>HLTH_SCI 4975</td>
<td>Internship in Health Sciences</td>
<td>1, 3 or 6</td>
</tr>
<tr>
<td>HLTH_SCI 4985</td>
<td>Healthcare Organization and Leadership</td>
<td>3</td>
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</table>

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. 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.

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

<table>
<thead>
<tr>
<th>Fall</th>
<th>CR Spring</th>
<th>CR</th>
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<tbody>
<tr>
<td>BIO_SC 1010</td>
<td>3 ENGLISH 1000</td>
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<tr>
<td>BIO_SC 1020</td>
<td>2 HLTH_SC 1000</td>
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<tr>
<td>MATH 1100</td>
<td>3 Humanities course</td>
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</tr>
<tr>
<td>Behavioral Science course</td>
<td>3 MO State Law Requirement</td>
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<td>Humanities course</td>
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Second Year

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<tr>
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<td>3 HLTH.SCII 4300</td>
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<tr>
<td>STAT 1200</td>
<td>3 2000+ level Humanities course</td>
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<tr>
<td>Physical Science course</td>
<td>3 Writing Intensive course</td>
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</tr>
<tr>
<td>Elective</td>
<td>3 Elective</td>
<td>3</td>
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<tr>
<td>Elective</td>
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Third Year

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<tr>
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<th>CR</th>
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<tbody>
<tr>
<td>HLTH.SCII 2100</td>
<td>1 HLTH.SCII 3900W</td>
<td>3</td>
</tr>
<tr>
<td>HLTH.SCII 4480</td>
<td>3 2000+ level Approved Health Science Elective</td>
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<tr>
<td>2000+ level Approved Health Science Elective</td>
<td>3 3000+ level Approved Health Science Elective</td>
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<tr>
<td>Elective</td>
<td>3 Elective</td>
<td>3</td>
</tr>
<tr>
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Fourth Year

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<tr>
<th>Fall</th>
<th>CR Spring</th>
<th>CR</th>
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<tbody>
<tr>
<td>HLTH.SCII 4975</td>
<td>3 HLTH.SCII 4985</td>
<td>3</td>
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<tr>
<td>3000+ level Approved Health Science Elective</td>
<td>3 2000+ level Approved Health Science Elective</td>
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<tr>
<td>Elective</td>
<td>3 3000+ level Approved Health Science Elective</td>
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Total Credits: 120