Master of Science in Health Sciences

The intent of the MS in Health Sciences program is to provide students with an opportunity to diversify or further enhance their educational foundation through graduate education that can be applied to any of several career paths in the health care field. The program supports and formalizes the educational endeavors of MSU graduates, Post Baccalaureate Pre-Medical Certificate (http://catalog.montana.edu/graduate/interdisciplinary-other-programs/post-baccalaureate-pre-med-certif) students, and other students who attend MSU to better prepare for matriculation into health care-related professional schools. The MS in Health Sciences program was approved in early 2009 and the first students matriculated in August 2009. The program requires at least two consecutive semesters and the class size is capped at 30 students.

The MS in Health Sciences program can be combined with the Post Baccalaureate Pre-Medical Certificate program to provide a continuous and more in-depth degree program and educational experience. For those students applying to health professional school, the MS in Health Sciences can be completed during the application 'glide' year.

Additionally, students who have a solid science background, and thus do not qualify for the Certificate program, can be eligible to enter directly into the one year MS in Health Sciences program. The pre-requisites are such that students are able to build on a substantial foundation in the basic sciences and broaden their academic experience.

Coordinator:
Sheila Nielsen, PhD (http://www.montana.edu/hpa/drn.html)

Assistant:
Kathy Weaver
Health Professions Advising
308 Leon Johnson Hall, PO BOX 173075, Bozeman, MT 59717
Tel: 406 994-1670 Fax: 406 994-6400
Email: hpa@montana.edu
Home page for HPA (http://www.montana.edu/hpa)

How to Apply
1. An online application for the MS in Health Sciences can be found at The Graduate School (http://www.montana.edu/gradschool/apply.html).
2. Follow application instructions carefully to ensure timely submission, application processing, and committee review.
   a. For Educational Goals/Admission Type, select "Master Degree"
   b. For Program Selection, select "Master of Science in Health Sciences"
3. Applications are accepted Oct 1- Feb 28. Applications are reviewed throughout the cycle by the admissions committee and decisions are made and communicated to the applicant as quickly as possible.
4. Pre-requisites include a year each of general chemistry, organic/biochemistry, biology, and physics. A year of math to include one semester of statistics is also required.
5. Please email our office at hpa@montana.edu to make us aware that you have submitted an application.

Program Specifics
• Available to students is a clinical observation course (MEDS 541 Clinical Practicum) and a health-care focused, graduate-level journal club (MEDS 594 Seminar).
• Students will choose an emphasis among Molecular Medical, Community Health, International, or Health and Medicine.
• Students will complete a scholarly project and present in a public forum and provide a written report (MEDS 575 Professional Paper and Project).
• Students are encouraged to participate in a semester-long application preparation process (Prep2Apply) for health professional school, if appropriate.
• Students who successfully complete program will receive their degree during the spring graduation ceremony.

Recommended Courses:

**Molecular Medicine**

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<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>BIOH 405</td>
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<tr>
<td>BIOH 422</td>
<td>Genes and Cancer</td>
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<td>BIOH 425</td>
<td>Sensory Neurophysiology</td>
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<td>BIOH 435</td>
<td>Cognitive Neuroscience</td>
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<td>BIOH 455</td>
<td>Molecular Medicine</td>
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<td>BIOH 411</td>
<td>Adv Human Anatomy</td>
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<tr>
<td>BCH 441</td>
<td>Biochemistry of Macromolecules</td>
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<td>BCH 543</td>
<td>Proteins</td>
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<td>BIOB 410</td>
<td>Immunology</td>
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<td>Developmental Mechanisms</td>
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<td>Ethical Practice of Science</td>
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<td>BIOO 412</td>
<td>Animal Physiology</td>
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<td>BIOL 409</td>
<td>Advanced Human Torso Anatomy</td>
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<td>Eukaryotic Pathogens</td>
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<td>MB 537</td>
<td>Advance in Molecular Evol</td>
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<td>MB 530</td>
<td>Virology</td>
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<td>IMID 501</td>
<td>Exper Immunology/Pathology</td>
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<td>HSTR 419</td>
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**Community Health**

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<td>NASX 525</td>
<td>Indigenous Philosophies/Sacred Ecologies</td>
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<td>CTHH 428</td>
<td>Health Disparities</td>
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<td>CTHH 502</td>
<td>Theories and Models in Health</td>
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<td>HTHR 455</td>
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<td>PSCI 436</td>
<td>Politics of Food &amp; Hunger</td>
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<td>PSYX 481</td>
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<td>SFBS 551</td>
<td>Global Food Perspectives</td>
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<td>NASX 515</td>
<td>Native Food Systems</td>
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**International**

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<td>International Human Rights</td>
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<td>NASX 515</td>
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**Health and Medicine**

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<td>BIOB 524</td>
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<td>PSYX 477</td>
<td>Science of Psych Well-Being</td>
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<td>PSYX 541</td>
<td>Cognitive Processes</td>
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<td>Social Psychology</td>
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<td>NUTR 411</td>
<td>Nutrition for Sports/Exercise</td>
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<td>Human Response To Stress</td>
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<td>Principles Of Epidemiology</td>
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<td>KIN 545</td>
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Font Notice

This document should contain certain fonts with restrictive licenses. For this draft, substitutions were made using less legally restrictive fonts. Specifically:

Times was used instead of Adobe Garamond Pro.

The editor may contact Leepfrog for a draft with the correct fonts in place.