**MEDICAL SCIENCES, MS**

Requirements for Students Matriculating in or before Academic Year 2023-2024. Learn more about Graduate College Academic Regulation 7.0 ([http://catalog.okstate.edu/graduate-college/#70](http://catalog.okstate.edu/graduate-college/#70)).

**Total Hours:** 32

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Program Core</strong></td>
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<tr>
<td>BIOM 5010</td>
<td>Special Topics in Biomedical Sciences</td>
<td>2</td>
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<tr>
<td>FRNS 5990</td>
<td>Special Topics in Forensic Sciences</td>
<td></td>
</tr>
<tr>
<td>HCA 5010</td>
<td>Special Topics in Health Care Administration</td>
<td></td>
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<tr>
<td>GLHE 5052</td>
<td>Directed Readings in Global Health</td>
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</tbody>
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**Electives**

30 customized credit hours of courses from either BIOM, FRNS, HCA, or GLHE. The ratio of coursework among the disciplines would be the ratio of the academic specialty of the three members of the faculty advisory committee. BIOM course are cross-listed with COM foundations and systems courses (PCME prefix) and clinical course (CLME prefix). HCA and GLHE courses are cross-listed and interchangeable.

*Biomedical Sciences (including but not limited to the following courses)*

- BIOM 5116 Clinical Anatomy
- BIOM 6762 Foundations in Medical Biochemistry
- BIOM 6743 Foundations in Medical Genetics, Molecular Biology and Development
- BIOM 6752 Foundations in Medical Cell and Tissue Biology
- BIOM 6771 Foundations in Medical Pharmacology
- BIOM 6781 Foundations in Medical Immunology
- BIOM 6793 Foundations in Medical Microbiology
- BIOM 6810 Structure and Function of the Human Cardiovascular System
- BIOM 6820 Structure and Function of the Human Gastrointestinal/Hepatic System
- BIOM 6830 Biomedical Perspectives on Human Hematology
- BIOM 6840 Structure and Function of the Human Musculoskeletal System
- BIOM 6850 Structure and Function of the Human Renal System
- BIOM 6860 Structure and Function of the Human Reproductive Systems and Reproductive Biology
- BIOM 6870 Structure and Function of the Human Respiratory System
- BIOM 6880 Biomedical Perspectives on Psychiatry
- BIOM 6900 Structure and Function of the Human Endocrine System
- BIOM 6910 Structure and Function of the Human Nervous System

Or additional BIOM courses with faculty advisor and instructor approval.

*Forensic Sciences (including but not limited to the following courses)*

- FRNS 5013 Survey of Forensic Sciences

Or additional FRNS courses with faculty advisor and instructor approval.

*Health Care Administration (including but not limited to the following courses)*

- HCA 5013 Survey of Health Care Administration

Or additional HCA courses with faculty advisor and instructor approval.

*Global Health (including but not limited to the following course)*

- GLHE 5030 Problems and Issues in Global Health

Or additional GLHE courses with faculty advisor and instructor approval.

**Total Hours** 32

**Other Requirements**

- Must maintain a GPA of 3.0 in all courses applicable to the MSMS
- Student must not earn a grade lower than a “C”