With a major in **Biomedical Sciences (BISC)**, you will study the sciences from a human perspective to develop a solid foundation for a career in health care. The 33-credit major is composed of three required courses (anatomy, physiology and biochemistry) and other major requirements that allow students to select courses based on their interests and long-term goals.

**BISC Course Options:**
- Biology of Aging
- Diseases of the Brain
- Embryology
- Endocrinology
- Forensic Science
- Functional Neuroanatomy
- Gross Anatomy
- Head and Neck Anatomy
- Human & Applied Medical Genetics
- Human Microbiology
- Introduction to Dentistry
- Nutritional Aspects of Health
- Outbreaks, Epidemics & Pandemics
- Pharmacology
- Practical Cases in Medicine
- Principles of Human Embryology
- Public Health
- Systems Neuroscience

*See reverse side for typical 4-year curriculum plan*

**High Impact Experiences:**
- **Participate in Research** – independent study, Summer Research Program (SRP), or paid lab positions offer you opportunities for hands-on research experience.
- **BISC Disciplinary Honors Program** – in junior and senior years, complete a project focused on research or community engagement.
- **Flexible degree** – with only three required courses, the flexible curriculum of this major may allow you to study abroad, add a minor (or two) or complete a double major to create a degree tailored to your interests.
- **Work as a teaching assistant** – work as an anatomy lab TA starting your junior year.
- **Internship opportunities** – earn academic credit for completing an approved internship in biotech, non-profit, governmental/health industries, or bioethics.

For more information, scan the QR code or visit: [Marquette.edu/biomedical-sciences](http://Marquette.edu/biomedical-sciences)

**Why BISC at MU?**
- **Human health science focus** is a natural fit for medical school and other health-related graduate programs.
- **Work with and learn from internationally respected cutting-edge researchers** tackling some of society's most pressing medical problems.
- **Accelerated degree options** for MU graduate/professional programs in dentistry, physical therapy, physician assistant, occupational therapy, and more.
- **Partnership** with the Medical College of Wisconsin for accelerated pathways to their Pharmacy and Global Health Equity programs.
# Biomedical Sciences

## Typical 4-year Curriculum

<table>
<thead>
<tr>
<th>Freshman Year</th>
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</thead>
<tbody>
<tr>
<td><strong>FALL SEMESTER</strong></td>
<td><strong>SPRING SEMESTER</strong></td>
</tr>
<tr>
<td>General Biology 1*</td>
<td>General Biology 2*</td>
</tr>
<tr>
<td>General Chemistry 1*</td>
<td>General Chemistry 2*</td>
</tr>
<tr>
<td>MCC Foundations in Rhetoric</td>
<td>MCC Foundations in Philosophy</td>
</tr>
<tr>
<td>MCC Foundations in Theology</td>
<td>MCC Engaging Social Systems and Values 1</td>
</tr>
<tr>
<td>Contemporary Issues in Biomedical Sciences</td>
<td>General Elective</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Sophomore Year</th>
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</thead>
<tbody>
<tr>
<td><strong>FALL SEMESTER</strong></td>
<td><strong>SPRING SEMESTER</strong></td>
</tr>
<tr>
<td>Clinical Human Anatomy</td>
<td>Biochemistry*</td>
</tr>
<tr>
<td>Organic Chemistry* (2 options)</td>
<td>Organic Chemistry 2* or General Elective</td>
</tr>
<tr>
<td>MCC Discovery – Humanities</td>
<td>Statistics*</td>
</tr>
<tr>
<td>General Elective/Writing Intensive (MCC)</td>
<td>General Elective/ESSV2 (MCC)</td>
</tr>
<tr>
<td>Core 1929 (MCC Foundations)</td>
<td>MCC Discovery – Social Science</td>
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</tbody>
</table>

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<thead>
<tr>
<th>Junior Year</th>
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</thead>
<tbody>
<tr>
<td><strong>FALL SEMESTER</strong></td>
<td><strong>SPRING SEMESTER</strong></td>
</tr>
<tr>
<td>Human Physiology</td>
<td>Anatomy and Systems Course</td>
</tr>
<tr>
<td>Anatomy and Systems Course</td>
<td>Cell and Molecular Course</td>
</tr>
<tr>
<td>Health and Society Foundation</td>
<td>MCC Discovery – Natural Science and Math</td>
</tr>
<tr>
<td>Biological Investigation*</td>
<td>General Elective</td>
</tr>
<tr>
<td>Physics I* or General Elective</td>
<td>Physics II* or General Elective</td>
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</tbody>
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<table>
<thead>
<tr>
<th>Senior Year</th>
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<tbody>
<tr>
<td><strong>FALL SEMESTER</strong></td>
<td><strong>SPRING SEMESTER</strong></td>
</tr>
<tr>
<td>Cell and Molecular Course</td>
<td>Anatomy and Systems or Cell and Molecular</td>
</tr>
<tr>
<td>Biomedical Sciences Elective</td>
<td>Biomedical Sciences Elective</td>
</tr>
<tr>
<td>Medical Ethics</td>
<td>Disease and Pathology Foundation</td>
</tr>
<tr>
<td>MCC Discovery - Elective</td>
<td>MCC Culminating Course</td>
</tr>
<tr>
<td>General Elective</td>
<td>General Elective</td>
</tr>
</tbody>
</table>

Major requirement courses denoted in Blue; MCC = Marquette Core Curriculum (required of all MU students)

* Denotes courses typically required as prerequisites to medical/dental/health professional schools

The depth and breadth of this major allows you to adjust your coursework to align with your goals and plans. Your assigned biomedical sciences academic adviser and pre-health adviser will work with you to make sure you are taking necessary courses and tracking appropriately to reach your career aspirations while also graduating on time.