MASTER OF SCIENCE IN
BIOMEDICAL SCIENCE:
CONCENTRATION IN
BIOTECHNOLOGY

This program prepares students to pursue advanced academic training in
life sciences while developing professional workplace skills.

Program Learning Outcomes

a. Develop critical thinking for research findings and engineering
   practice in their field of expertise and the capability to be able to
clearly articulate and apply such knowledge in their research and
   practice.

b. Develop effective writing skills for both informal and formal
   professional communications; and skills to orally present scientific
   material to a broad range of audiences.

c. Demonstrate the ability to work effectively in teams on complex civil
   engineering problems.

d. Demonstrate the responsibility and ethical conduct of research and
   professional integrity in scientific investigation and professional
   practice.

Biomedical Science (M.S.) — 31–34 units

Core Requirements (10 units)

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<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>BIOL 716 or BIOL 891</td>
<td>Skills for Scientific Proposal Writing</td>
<td>2</td>
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<tr>
<td>BIOL 803</td>
<td>Core Concepts of Biotechnology</td>
<td>3</td>
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<tr>
<td>BIOL 871</td>
<td>Colloquium in Microbiology, Cell and Molecular Biology</td>
<td>2</td>
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<tr>
<td>MGMT 788</td>
<td>Management Principles and Organizational Behavior</td>
<td>3</td>
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Concentration Requirements (11–14 units)

Approved graduate courses on advisement by program director/faculty advisor.

Culminating Experience (10 units)

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<th>Code</th>
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<th>Units</th>
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<tbody>
<tr>
<td>BIOL 890</td>
<td>Cooperative Internship (2-3 unit course to be repeated)</td>
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<tr>
<td>BIOL 895</td>
<td>Research Project</td>
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