CELLULAR, MOLECULAR, AND MICROBIAL BIOLOGY
M.S. - MICROBIOLOGY AND IMMUNOLOGY

MASTER OF SCIENCE - CELLULAR, MOLECULAR, AND MICROBIAL BIOLOGY; MICROBIOLOGY AND IMMUNOLOGY CONCENTRATION

Degree Specific Credits: 30

Required Cumulative GPA: 3.0

- All CMMB M.S. students have a common set of requirements: students must take a total of 30 semester credits, including 20 semester credits of courses (includes any course other than Thesis and Research).
- At least half of the non-thesis and non-research credits toward the degree must be at the 500 or 600 level.
- The following credit limitations apply:
  - A maximum of 6 credits of Special Topics (BCH 595, BIOB 595 and BIOM 595).
  - A maximum of 6 credits of Independent Study (BIOB 596, and BIOM 596).
  - A maximum of 10 credits of research and thesis (BCH 597, BIOB 597, BCH 599, and BIOM 599).

Course Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCH 570</td>
<td>Intro to Research</td>
<td>1</td>
</tr>
<tr>
<td>or BIOM 570</td>
<td>Intro to Research</td>
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<tr>
<td>BIOB 547</td>
<td>Experimental Molecular, Cellular, and Chemical Biology</td>
<td>2</td>
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<tr>
<td>BIOM 594</td>
<td>Molecular and Biomedical Sciences Seminar</td>
<td>4</td>
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Electives, Research, and Thesis

Complete 23 credits of elective courses.

Elective courses can include any graduate-level course in General Biology (BIOB), Microbiology (BIOM), and Biochemistry (BCH). Suggested courses include:

- BCH 582 | Proteins and Enzymes
- BCH 584 | Nucleic Acids
- BCH 597 | Research
  or BIOM 597 Research
- BCH 599 | Thesis
  or BIOM 599 Thesis
- BCH 600 | Cell Organization & Mechanisms
- BIOM 502 | Advanced Immunology

Total Hours | 30