# Microbial, Cellular & Molecular Biology Cell & Molecular Biology Option

## Freshman

<table>
<thead>
<tr>
<th>Fall</th>
<th>Hours</th>
<th>Spring</th>
<th>Hours</th>
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<tbody>
<tr>
<td>BIOL 1020 Principles of Biology</td>
<td>3</td>
<td>BIOL 1030 Organismal Biology</td>
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<tr>
<td>BIOL 1021 Principles of Biology Laboratory</td>
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<td>BIOL 1031 Organismal Biology Laboratory</td>
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<tr>
<td>ENGL 1100 English Composition I</td>
<td>3</td>
<td>ENGL 1120 English Composition II</td>
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<tr>
<td>CHEM 1030 Fundamentals Chemistry I</td>
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<td>CHEM 1040 Fundamental Chemistry II</td>
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<tr>
<td>CHEM 1031 Fundamental Chemistry I Laboratory</td>
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<td>CHEM 1041 Fundamental Chemistry II Laboratory</td>
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<tr>
<td>MATH 1610 Calculus I</td>
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<td>MATH 1620 Calculus II</td>
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## Sophomore

<table>
<thead>
<tr>
<th>Fall</th>
<th>Hours</th>
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<tbody>
<tr>
<td>Core Literature</td>
<td>3</td>
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<td>PHYS 1500 General Physics I</td>
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<td>CHEM 2070 Organic Chemistry I</td>
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<td>BIOL 2100 Prof Development</td>
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<td>BIOL 3200 General Microbiology</td>
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<td>BIOL 3000 Genetics</td>
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## Junior

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<tbody>
<tr>
<td>BIOL 5521 Gene Expression and Recombinant DNA Laboratory</td>
<td>2</td>
<td>BCHE 5190 Biochemistry II</td>
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<td>MMCB Elective</td>
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<td>BIOL 4100 Cell Biology</td>
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<td>BIOL 5220 Introductory Molecular Genetics</td>
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<td>BIOL 4101 Cell Biology Laboratory</td>
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<td>BCHE 5180 Biochemistry I</td>
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<td>Core Social Science or Humanities</td>
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<td>Core Fine Arts</td>
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<td>Free Elective</td>
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## Senior

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<th>Fall</th>
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<tbody>
<tr>
<td>Evolution Elective</td>
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<td>Biology Elective</td>
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Students must complete a two-course sequence in either HIST or LIT (for example, World History 1 and 2 or American Lit 1 and 2). For complete HIST and LIT sequence options, see the Bulletin.

Students who choose a HIST sequence other than HIST 1010 and HIST 1020 should talk to an advisor about CORE SOC SCI choices.

If a LIT sequence is chosen, this course must be a CORE SOC SCI. If a HIST sequence is chosen, this course must be a CORE HUMANITIES.