## Major: Biochemistry & Molecular Biology

Name: ___________________________ PID ___________________________  Credits required for graduation: 120

### Writing and Integrative Studies - University Requirement (20 credits)

<table>
<thead>
<tr>
<th>Biochemistry</th>
<th>Chemistry</th>
<th>Honors</th>
<th>Lyman Briggs</th>
</tr>
</thead>
<tbody>
<tr>
<td>BMB 101-1</td>
<td>CEM 151-4</td>
<td>F</td>
<td>F lect.</td>
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<tr>
<td>BMB 461-3</td>
<td>CEM 152-3</td>
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<td>F lect. 1</td>
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<tr>
<td>BMB 462-3</td>
<td>CEM 161-1</td>
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<td>S lab 1</td>
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<tr>
<td>BMB 471-3</td>
<td>CEM 162-1</td>
<td>S</td>
<td>S lab 2</td>
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<tr>
<td>BMB 472-3</td>
<td>CEM 262-3</td>
<td>F</td>
<td>F lab 2</td>
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<tr>
<td>AND</td>
<td>CEM 351-3</td>
<td>F</td>
<td>F organic 1</td>
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<tr>
<td>BMB 495-2</td>
<td>CEM 352-3</td>
<td>S</td>
<td>S organic 1</td>
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<tr>
<td>OR</td>
<td>CEM 355-2</td>
<td>S</td>
<td>S organic lab 1</td>
</tr>
<tr>
<td>BMB 499(2-8)</td>
<td>CEM 356-2</td>
<td>F</td>
<td>F organic lab 2</td>
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<td>OR</td>
<td>CEM 383-3</td>
<td>F</td>
<td>F phys. chem. 1</td>
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<tr>
<td>LB 492-4</td>
<td>CEM 384-3</td>
<td>S</td>
<td>S phys. chem. 2</td>
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(For Lyman Briggs Students Only)

**Electives (optional)**

<table>
<thead>
<tr>
<th>Biochemistry</th>
<th>Research</th>
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<tbody>
<tr>
<td>BMB 490-1</td>
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<tr>
<td>BMB 490-2</td>
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<tr>
<td>BMB 490-3</td>
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### Physics

<table>
<thead>
<tr>
<th>Physics</th>
<th>Lyman Briggs</th>
<th>Non-Calc Physics**: Requires calculus bridge courses</th>
<th>Honors</th>
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<tbody>
<tr>
<td>PHY 183-4</td>
<td>F S US or PHY 241-4</td>
<td>or LB 273-4</td>
<td>or **PHY 231-3</td>
</tr>
<tr>
<td>PHY 184-4</td>
<td>F S US or PHY 242-4</td>
<td>or LB 274-4</td>
<td>or **PHY 232-3</td>
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### Math

<table>
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<tr>
<th>Math</th>
<th>Honors</th>
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<tbody>
<tr>
<td>MTH 132-3</td>
<td>F S US (calc) or LB 118-4</td>
</tr>
<tr>
<td>MTH 133-4</td>
<td>F S US (calc 2) or LB 119-4</td>
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### Biology

<table>
<thead>
<tr>
<th>Biology</th>
<th>Lyman Briggs</th>
<th>Honors</th>
<th>Advanced Biology (300 - 400 level) (10 credits) (see back page for approved options)</th>
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<tbody>
<tr>
<td>BS 162-3</td>
<td>F S or LB 144-4</td>
<td>F S or BS 182H-3</td>
<td>F S</td>
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<tr>
<td>BS 161-3</td>
<td>F S or *LB 145-5</td>
<td>F S or BS 181H-3</td>
<td>S</td>
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<tr>
<td>BS 171-2</td>
<td>F S US (or *LB 145-5)</td>
<td>or BS 191H-2</td>
<td>S lab</td>
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(*LB 145 takes the place of BS 161 & 171)

**Premeds may also need:**

(consult with Pre-professional advisor)

<table>
<thead>
<tr>
<th>Premeds may also need:</th>
<th>Honors</th>
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<tbody>
<tr>
<td>PHY 251-1</td>
<td>F S US lab 1 or PHY 191-1</td>
</tr>
<tr>
<td>PHY 252-1</td>
<td>F S US lab 2 or PHY 192-1</td>
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</tbody>
</table>

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<tr>
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<th>Honors</th>
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<tbody>
<tr>
<td>PSY</td>
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<tr>
<td>SOC</td>
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</table>

*Please visit our website for most current requirements checklists: [https://bmb.natsci.msu.edu/undergraduate/academics/](https://bmb.natsci.msu.edu/undergraduate/academics/)*