**BS BIOCHEMISTRY-MOLECULAR BIOLOGY RECOMMENDED SCHEDULE**

<table>
<thead>
<tr>
<th>YEAR 1:</th>
<th>FALL</th>
<th>WINTER</th>
<th>SPRING</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Chem 1A-AL</td>
<td>Chem 1B-BL</td>
<td>Chem 1C-CL</td>
</tr>
<tr>
<td></td>
<td>Math 3A</td>
<td>Math 3B</td>
<td>Math 4A</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>YEAR 2:</th>
<th>FALL</th>
<th>WINTER</th>
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</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>MCDB 1A-AL</td>
<td>MCDB 1B and EEMB 2</td>
<td>EEMB 3-3L</td>
</tr>
<tr>
<td></td>
<td>Chem 109A</td>
<td>MCDB 1BL or EEMB 2L</td>
<td>Chem 109C</td>
</tr>
<tr>
<td></td>
<td>*Physic 6A-AL</td>
<td>Chem 109B</td>
<td>Chem 6BL</td>
</tr>
<tr>
<td></td>
<td>Math 6A</td>
<td>Chem 6AL</td>
<td>*Phys 6C-CL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>*Phys 6B-BL</td>
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</tbody>
</table>

*Physics must be completed before you begin your Physical Chemistry 112A or 113A.*

<table>
<thead>
<tr>
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<tbody>
<tr>
<td></td>
<td>MCDB 108A</td>
<td>MCDB108B</td>
<td>MCDB108C</td>
</tr>
<tr>
<td></td>
<td>MCDB101A</td>
<td>MCDB101B</td>
<td>*MCDB109L</td>
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</tbody>
</table>

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<thead>
<tr>
<th>YEAR 4:</th>
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<th>WINTER</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Chem 112A or 113A</td>
<td>MCDB 123</td>
<td>*MCDB 109L</td>
</tr>
</tbody>
</table>

*MCDB 109L can be taken Spring quarter of either 3rd or 4th year (but more often 4th year).*

*Area E: Some upper division major electives are needed to reach the required 48. Choose electives according to interest and place according to prerequisites and quarter offered. Check the major requirement sheet for acceptable courses.*

The department has a list of courses offered quarter by quarter (available in LSB 3320). Prerequisites are listed in the General Catalog.

Updated 06/13
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<tr>
<td>Chem 1A-AL</td>
<td>Chem 1B-BL</td>
<td>Chem 1C-CL</td>
</tr>
<tr>
<td>Math 3A or 34A</td>
<td>Math 3B or 34B</td>
<td>Math 4A</td>
</tr>
<tr>
<td></td>
<td></td>
<td>or PSTAT 5A or PSTAT 5LS</td>
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<tr>
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</tr>
<tr>
<td>*Phys 6A-AL</td>
<td>Chem 109B</td>
<td>Chem 6BL</td>
</tr>
<tr>
<td></td>
<td>Chem 6AL</td>
<td>*Phys 6C-CL</td>
</tr>
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</table>

*Physics can be taken any time but we cannot guarantee that these courses will not conflict with upper division MCDB courses.

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<tr>
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<tr>
<td>MCDB 108A</td>
<td>MCDB 108B</td>
<td></td>
</tr>
<tr>
<td>MCDB 101A</td>
<td>*MCDB 101B</td>
<td>or</td>
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<tr>
<td></td>
<td>MCDB 103-103L</td>
<td>MCDB 101B</td>
</tr>
</tbody>
</table>

*MCDB 101B is offered Winter, Spring, and Summer quarters.

Year 4 should be scheduled according to course interest, prerequisites, and which quarter courses are offered. Courses listed in year 4 can also be taken during year 3; there is some flexibility as long as required prerequisites are completed prior to enrollment.

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<tr>
<td>FALL</td>
<td></td>
<td></td>
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<tr>
<td>AREA D (2 courses):</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MCDB 112</td>
<td></td>
<td>MCDB 153</td>
</tr>
<tr>
<td>AREA E1 (1 course):</td>
<td></td>
<td>MCDB 118</td>
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<tr>
<td>MCDB 112L (can also apply to E2)</td>
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*AREA E2 (1 course): | MCDB 133                      | MCDB 133L                     |
| MCDB 126-126AL   | MCDB 126B-BL                  | MCDB 140L                     |
| MCDB 132-132L    |                               | MCDB 109L                     |

* One course or course sequence is required for Area E2 (if a course is a lecture and a lab, IE: 132-132L, both courses must be taken to satisfy the requirement.)

<table>
<thead>
<tr>
<th>AREA F:</th>
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The department has a list of courses offered quarter by quarter (available in LSB 3320). Prerequisites are listed in the General Catalog.
### B.S MICROBIOLOGY RECOMMENDED SCHEDULE

**YEAR 1:**

**FALL**
- Chem 1A-AL
- Math 3A or 34A

**WINTER**
- Chem 1B-BL
- Math 3B or 34B

**SPRING**
- Chem 1C-CL
- Math 4A or PSTAT 5A or PSTAT 5LS

**YEAR 2:**

**FALL**
- MCDB 1A-AL
- Chem 109A
- *Phys 6A-AL

**WINTER**
- MCDB 1B and EEMB 2
- MCDB 1BL or EEMB 2L
- Chem 109B
- Chem 6AL
- *Phys 6B-BL

*Physics can be taken any time but we cannot guarantee that these courses will not conflict with upper division MCDB courses.

**YEAR 3:**

**FALL**
- MCDB 108A
- MCDB 101A

**WINTER**
- MCDB 108B
- MCDB 101B

**SPRING**
- MCDB 108C
- MCDB 134

**YEAR 4:**

**FALL**
- MCDB 131-131L

**WINTER**
- MCDB 133
- MCDB 132-132L

**SPRING**
- Electives

**YEAR 3:**

**FALL**
- MCDB 101A
- MCDB 131-131L

**WINTER**
- MCDB 101B
- MCDB 132-132L

**YEAR 4:**

**FALL**
- MCDB 108A

**WINTER**
- MCDB 108B
- MCDB 133

**SPRING**
- MCDB 108C

*Area II: Some upper division major electives are required. Check the major requirement sheet for acceptable courses and choose based on interest.*

The department has a list of courses offered quarter by quarter (available in LSB 3320). Prerequisites are listed in the General Catalog online.

Strongly consider MCDB 133L in Spring.

Updated 06/13
# B.S. Pharmacology Recommended Schedule

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*Area II: Some upper division major electives are required to reach the required 50 units. Choose electives according to interest and place according to prerequisites and quarter offered. Check the major requirement sheet for acceptable courses.*

*No more than 16 U.D. units may be taken as applicable outside of MCDB. (Only courses outside of MCDB that are listed on the requirement sheet are allowed.)*

*The department has a list of courses offered quarter by quarter (available in LSB 3320). Prerequisites are listed in the General Catalog online.*

*Consider taking MCDB 111 (Physiology) Fall of 3rd year and MCDB 101A in Winter and 101B in Spring.*

*Updated 06/13*