<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>
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<table>
<thead>
<tr>
<th>YEAR 2:</th>
<th>FALL</th>
<th>WINTER</th>
<th>SPRING</th>
</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>*Physic 6A-AL</td>
<td>Chem 109B</td>
<td>Chem 6BL</td>
<td>Chem 6C-CL</td>
</tr>
<tr>
<td>Math 6A</td>
<td>Chem 6AL</td>
<td>*Phys 6B-BL</td>
<td></td>
</tr>
</tbody>
</table>

*Physics must be completed by your Spring Quarter year 3 (ie MCDB 108C requires Physics 6C- concurrent enrollment OK) and before you begin your Physical Chemistry 112A or 113A.

<table>
<thead>
<tr>
<th>YEAR 3:</th>
<th>FALL</th>
<th>WINTER</th>
<th>SPRING</th>
</tr>
</thead>
<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 or MCDB 140L</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>YEAR 4:</th>
<th>FALL</th>
<th>WINTER</th>
<th>SPRING</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Chem 112A or 113A</td>
<td>MCDB 123</td>
<td>*MCDB 109L or MCDB 140L</td>
</tr>
</tbody>
</table>

*MCDB 109L (recommended) or MCDB 140L 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 48.0 units. 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 and on the following website under Resource Documents: https://undergrad.biology.ucsb.edu). Prerequisites are listed in the General Catalog.

Updated 02/18
# 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 5L-S

## 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

### SPRING
- EEMB 3-3L
- Chem 109C
- Chem 6BL
- *Phys 6C-CL

*Physics 6C-CL must be finished by Spring quarter year 3.*

## 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

*Area II: Some upper division major electives are needed to reach the required 48.0 units. 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 and on the following website under Resource Documents: https://undergrad.biology.ucsb.edu). Prerequisites are listed in the General Catalog.

Strongly consider MCDB 133L in Spring.

Updated 02/18
# B.S Pharmacology 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 or PSY 5

## 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

### Spring
- EEMB 3-3L
- Chem 109C
- Chem 6BL
- *Phys 6C-CL

**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 111

### Winter
- MCDB 108B
- MCDB 101A

### Spring
- MCDB 101B

## Year 4:
### Fall
- MCDB 126A-AL

### Winter
- MCDB 126B-BL

### Spring
- MCDB 126C

*Area II: Some upper division major electives are required to reach the required 48 units. 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 and on the following website under Resource Documents: https://undergrad.biology.ucsb.edu). Prerequisites are listed in the General Catalog.

Updated 02/18