BS / MS Worksheet

<table>
<thead>
<tr>
<th>BIOL Prerequisites:</th>
<th>Placement Exam Score</th>
<th>Course #</th>
<th>Semester</th>
<th>Grade</th>
<th>Place Out</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 101 Biochemistry and Biophysics</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOL 102 Prin of Cell Biology &amp; Membrane Phys</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOL 103 Genes and Development</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOL 104 Prin of Ecology &amp; Evolutionary Biology</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>GEN CHEM Prerequisites:</th>
<th>Course #</th>
<th>Semester</th>
<th>Grade</th>
<th>Place Out</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Chemistry</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(2 terms - 161/165; or 163/167; or its equivalent)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>General Chemistry Labs</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(2 terms - 134L/136L)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ORG CHEM Prerequisites:</th>
<th>Course #</th>
<th>Semester</th>
<th>Grade</th>
<th>Place Out</th>
</tr>
</thead>
<tbody>
<tr>
<td>Organic Chemistry (1 term - 174a; or 175b; or 220a)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Organic Chemistry Lab (1 term 222L; or 223L; or 226L)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(Completion of the Freshman Organic Chemistry Sequence 174/175 and 222L/223L satisfies all of the Chemistry prerequisites for the MCDB Major)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PHYSICS Prerequisites:</th>
<th>Course #</th>
<th>Semester</th>
<th>Grade</th>
<th>Place Out</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physics (2 terms - 170/171; or 180/181; or 200/201; or 260/261)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MATH Prerequisites:</th>
<th>Course #</th>
<th>Semester</th>
<th>Grade</th>
<th>Place Out</th>
</tr>
</thead>
<tbody>
<tr>
<td>Math 115 or higher (1 term - not including Math 190)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CORE COURSES: (Choose any 3)</th>
<th>Course #</th>
<th>Semester</th>
<th>Grade</th>
<th>Place Out</th>
</tr>
</thead>
<tbody>
<tr>
<td>MCDB 200b Molecular Biology</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MCDB 202a Genetics</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MCDB 205b Cell Biology</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MCDB 210a Developmental Biology</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MCDB 290b Microbiology</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MCDB 310a Physiological Systems</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MCDB 320a Neurobiology</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MCDB 430a Biology of the Immune System</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EITHER: MCDB 300b Biochemistry OR: MBB 300a Principles of Biochemistry I</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ELECTIVES:</th>
<th>Course #</th>
<th>Semester</th>
<th>Grade</th>
<th>Place Out</th>
</tr>
</thead>
<tbody>
<tr>
<td>Graduate Level Electives (one must be a seminar course)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Grad 1</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Grad 2</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Grad 3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Grad 4 (Seminar)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>LABS:</th>
<th>Course #</th>
<th>Semester</th>
<th>Grade</th>
<th>Place Out</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Choose 2 labs from MCDB)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Senior Requirement:</th>
<th>Course #</th>
<th>Semester</th>
<th>Grade</th>
<th>Place Out</th>
</tr>
</thead>
<tbody>
<tr>
<td>MCDB 585b Research in MCDB for BS/MS Candidates (Spring of Junior year)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MCDB 595a Intensive Research in MCDB for BS/MS Candidates</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MCDB 595b Intensive Research in MCDB for BS/MS Candidates</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Grad 5</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Grad 6</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Grad 7</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>6 Courses outside the Major must be taken in the last 2 years (includes 2 Undergraduate courses in the last 2 terms)</th>
<th>Course #</th>
<th>Semester</th>
<th>Grade</th>
<th>Place Out</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thesis Mentor:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Committee Member (MCDB)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Committee Member (MCDB)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Committee Member</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Non Major 1</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Non Major 2</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Non Major 3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Non Major 4</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Non Major 5 &quot;U&quot;</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Non Major 6 &quot;U&quot;</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>