### Division of Biological Sciences
Specialization: Medical Science & Human Health

**Name in Full**

**E-mail Address**

### Biological Sciences

Select at least 33 total hours in biology, including:
- at least 14 hours at 3000-level or higher
- at least one 3000-level or higher course with a formal lab or field experience
- at least 12 hours at 2000-level or higher at MU

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Grade/Transfer Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Introductory Biology</td>
<td>1500</td>
</tr>
<tr>
<td>General Genetics</td>
<td>2200</td>
</tr>
<tr>
<td>Cell Biology</td>
<td>2300</td>
</tr>
<tr>
<td>Evolutionary Biology</td>
<td></td>
</tr>
<tr>
<td>Biological Diversity</td>
<td></td>
</tr>
<tr>
<td>Physiology</td>
<td>3700</td>
</tr>
<tr>
<td>Biochemistry</td>
<td>4270</td>
</tr>
<tr>
<td>Capstone</td>
<td></td>
</tr>
<tr>
<td>Electives</td>
<td></td>
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</tbody>
</table>

**Bio Hrs _____**  **Bio Hrs at 3000+ _____**

You must receive a grade of C- or higher in all the biology courses you use to fulfill these requirements, and you must also maintain an overall GPA of 2.0 or higher in all those courses.

You may not use independent reading, internship, problems courses, Bio 2001, 2060, 2100 or 2150 to meet the 33-hr req.

You may use Biochemistry 4270 and 4272 to meet the 33-hour requirement.

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### GRADUATION PLAN
For Students Entering College Fall 2018

**Student Number**

**Local Phone Number**

**Evolutionary Biology (select one course)**
- *Bio 3400* Evolution and Ecology, 3 hrs, f & s
- *Bio 4600* Evolution, 3 hrs, f & s

**Biological Diversity (select one course)**
- *M 3200* Medical Microbiology, 4 hrs, f & s
- *Bio 3750* General Microbiology, 3 hrs, f

**Capstone (select one course; complete in last 45 hours)**

**Recommended Capstone Options**
- Bio 4950/4952 Undergrad Research, 3 hrs, f, s & sum
- Bio 4972W Developmental Biology, 3 hrs, f & s
- Bio 4976 Molecular Biology, 3 hrs, f & s
- Bio 4978 Cancer Biology, 3 hrs, f
- Bio 4982W Human Inherited Diseases, 3 hrs, even f
- Bio 4990 Vertebrate Histology/Microscopic Anatomy, 5 hrs, lab, f
- Bio 4994 Senior Seminar, 3 hrs, f & s

* (Ex: Pathophysiology Tutorial, Neurobiology of Disease, Adv Topic in Physiology, or Molecular Mechanisms of Neurobiological Disease)

**Additional Capstone Options**
- Bio 4983 Molecular Ecology, 4 hrs, lab, odd s
- Bio 4986 Neurology of Motor Systems, 3 hrs, odd f
- Bio 4988 Nerve Cells and Behavior, 3 hrs, odd s
- Bio 4994 Senior Seminar

* (fall), s (spring), sum (summer)

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### Bachelor of Science (BS)

**Expected Graduation Date**

**Related Science Fields**

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Grade/Transfer Hours</th>
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</thead>
<tbody>
<tr>
<td>Chem 1320 General Chemistry I</td>
<td></td>
</tr>
<tr>
<td>Chem 1330 General Chemistry II</td>
<td></td>
</tr>
<tr>
<td>Chem 2100 Organic Chemistry I</td>
<td></td>
</tr>
<tr>
<td>Chem 2110 Organic Chemistry II</td>
<td></td>
</tr>
<tr>
<td>Chem 2130 Organic Lab I</td>
<td></td>
</tr>
</tbody>
</table>

**Physical Sciences (select one set of courses)**

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Grade/Transfer Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phys 1210 and 1220 College</td>
<td></td>
</tr>
<tr>
<td>Phys 2750 and 2760 University</td>
<td></td>
</tr>
</tbody>
</table>

**Mathematical Sciences**

Select one calculus option:
- Math 1400 Calculus for Soc/Nat Sciences I, 3 hrs

OR
- Math 1500 Analytic Geometry & Calculus I, 5 hrs

Select one statistic option:
- Stat 1200 or 1400 Elementary Statistics, 3 hrs

You must receive a grade of C- or higher in all the courses in related science fields that you use to fulfill these requirements, and you must also maintain an overall GPA of 2.0 or higher in all MU courses.

**Student**  **Date**

**Advisor**  **Date**

**Director of Biological Sciences**  **Date**

**Dean**  **Date**

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*Effective Spring 2015: No credit for Bio 3400 if either Bio 3650 or Bio 4600 is already completed. May not be co-enrolled in Bio 3400 and Bio 4600.*