Recommended Coursework Strategy for B.S. in Physiology: 4 – year plan

**MEET WITH YOUR PHYSIOLOGY MAJOR ADVISOR EVERY SEMESTER!**

This is a sample four-year plan for students who arrive at SFSU with all of the appropriate prerequisites. In this plan, students will take 8-10 units of coursework for their major every semester. The order of some courses can be changed, but some cannot (due to prerequisites) – check the SFSU Bulletin or with an advisor to be sure. You should fill out the remainder of the schedule with GE courses as needed.

This sample course plan is based on the current SFSU Bulletin (2011-2012), requiring 38-39 units of lower division coursework and 29-33 units of upper division courses for 67-72 total units. The course plan is not a substitute for consulting with a Physiology Advisor to develop your final course plan.

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Semester 1</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>¹Math 226 (Calc I)</td>
<td>4</td>
<td>Biol 230 (Intro Biol &amp; Lab)</td>
<td>5</td>
</tr>
<tr>
<td>Chem 115 (Gen Chem I &amp; Lab)</td>
<td>5</td>
<td>Phys 111/112 (Phys I/Lab)</td>
<td>4</td>
</tr>
<tr>
<td><strong>Semester 3</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Biol 240 (Intro Biol &amp; Lab)</td>
<td>5</td>
<td>Chem 215/216 (Gen Chem II &amp; Lab)</td>
<td>5</td>
</tr>
<tr>
<td>²Chem 130 (Gen Org Chem)</td>
<td>3</td>
<td>Math 124 (Elem Stats) or</td>
<td>³ – ⁴</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Math 227 (Calc II) or</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Biol 458 (Biometry)</td>
<td></td>
</tr>
<tr>
<td><strong>Semester 5</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Biol 350 (Cell Biol)</td>
<td>3</td>
<td>Biol 355 (Genetics)</td>
<td>3</td>
</tr>
<tr>
<td>Phys 121/122 (Phys II/Lab)</td>
<td>4</td>
<td>Chem 340 (Biochem I) or</td>
<td>³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Chem 349 (Gen Biochem)</td>
<td></td>
</tr>
<tr>
<td><strong>Semester 7</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>³Physiology Core courses</td>
<td>³ – ⁶</td>
<td>³Physiology Core courses</td>
<td>³ – ⁶</td>
</tr>
<tr>
<td>Physiology lab</td>
<td>3</td>
<td>³Physiology Elective(s)</td>
<td>³ – ⁷</td>
</tr>
<tr>
<td>⁴Physiology Elective(s)</td>
<td>³ – ⁷</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

¹Students unprepared to take Math 226 should consider taking one or more of the following: Algebra I (Math 60), Algebra II (Math 70), Pre-Calculus (Math 109). This scenario will require shifting some courses in the schedule.

²Students who plan to apply to a health profession school (medical school, dental school, pharmacy school, etc.), should take two semesters of Organic Chemistry with lab (Chem 233/234 and Chem 335/336) instead of General Organic Chemistry (Chem 130). This scenario will require shifting some courses in the schedule.

³Physiology core courses (9 units total)
Biol 525, 612, 616, 617, 620, 621, 622, 630, 640, 642 (one lecture must be Biol 612 or 630)

⁴Upper division electives in **Cell & Molecular Emphasis** and **Ecological, Anatomical, & Evolutionary Emphasis** (10 – 11 units)
One upper division elective must contain a lab component

Updated 5/17/12