**NEUROSCIENCE MAJOR PLANNING FORM**  
(03/26/14)

**NAME**  

**DISTRIBUTION REQUIREMENTS:**  
ILC COURSES (4 in a theme)

- Arts - ARTS
- Humanities - HUM
- Social Sciences - SSC
- Natural Science w/Laboratory - NSM-L
- Quantitative/Logical Reasoning - QLR
- Environmental Literacy - EL
- Diversity/Foreign Language - DIV/LANG

**ADVISER**

**COURSE PLAN**  

<table>
<thead>
<tr>
<th>FALL</th>
<th>SPRING</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>COURSE #</th>
<th>NAME</th>
<th>DIST</th>
<th>COURSE #</th>
<th>NAME</th>
<th>DIST</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FIRST YEAR</strong></td>
<td></td>
<td></td>
<td><strong>FIRST YEAR SEMINAR</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIO 101</td>
<td>GENERAL BIOLOGY</td>
<td>NCS</td>
<td>BIO 102</td>
<td>GENERAL BIOLOGY</td>
<td>NCS</td>
</tr>
<tr>
<td>CHEM 103</td>
<td>GENERAL CHEMISTRY</td>
<td></td>
<td>CHEM 103</td>
<td>GENERAL CHEMISTRY</td>
<td></td>
</tr>
<tr>
<td>PSYC 100 or 101</td>
<td>INTRO. PSYCHOLOGY</td>
<td></td>
<td>MATH 113</td>
<td>STATISTICS</td>
<td></td>
</tr>
</tbody>
</table>

**GPA**  
**CUM. GPA**

<table>
<thead>
<tr>
<th><strong>SOPHOMORE</strong></th>
<th></th>
<th></th>
<th><strong>GPA</strong></th>
<th><strong>CUM. GPA</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 288</td>
<td>INTRO NEUROSCIENCE</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHEM 221</td>
<td>ORGANIC CHEMISTRY</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PSYC 205</td>
<td>RESEARCH METHODS IN PSYC.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOL 392</td>
<td>RESEARCH METHODS IN FLUOR CONFOCAL</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>or BIOL 248</td>
<td>RESEARCH METHODS IN CELL/MOL BIOL</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**GPA**  
**CUM. GPA**

<table>
<thead>
<tr>
<th><strong>JUNIOR</strong></th>
<th></th>
<th></th>
<th><strong>GPA</strong></th>
<th><strong>CUM. GPA</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>ELECTIVES</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**GPA**  
**CUM. GPA**

<table>
<thead>
<tr>
<th><strong>SENIOR</strong></th>
<th></th>
<th></th>
<th><strong>GPA</strong></th>
<th><strong>CUM. GPA</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>ELECTIVES</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**GPA**  
**CUM. GPA**
Curriculum: Core courses required by both tracks:

- General Biology (101, 102) 2.5 units
- General Chemistry (103, 104) 2.5 units
- Organic Chemistry (221) 1.25 units
- Introductory Psychology (100 or 101) 1 unit
- Applied Statistics (Math 113) 1 unit
- Intro. & Adv. Neuroscience (Bio 288, 389) 2 units

= 10.25 courses sub-total

**Cellular Neuroscience Track**

Students need to select one of the following:

- Research Methods in Fluorescence & Confocal Microscopy (BIOL 392)
- Research Methods in Cell Biology (BIOL 248)

**Behavioral/Organismal Track**

Students must take:

- Research Methods in Psychology (PSYC 205)

PLUS a minimum of 3 additional units* of courses from:

(At least 2 units of the 3 required elective course units must be taken with a laboratory)

- #Lab Animals: Ethics, Care & Tech (BIOL/NRSCI/PSYC 232; 0.5 unit)
- Introduction Cell Biology (BIOL 250)
- Genetics (BIOL 245 or 246)
- Endocrinology (BIOL 270)
- Biochemistry (BIOL/BIOCH/CHEM 309)
- Developmental Biology (BIOL 312)
- Human Anatomy (BIOL 240)
- Research Methods in Cell Biology (BIOL 248)
- Human Physiology (BIOL 326)
- Immunology (BIOL 333)
- Advanced Human Physiology (BIOL 386)
- Cell Mechanisms of Memory (BIOL/NRSCI 387)
- Drugs & the Brain (BIOL/NRSCI 388)
- Research Methods in Electron Microscopy (BIOL 390; 0.5 unit)
- Research Methods in Fluorescence & Confocal Microscopy (BIOL 392)
- Advanced Biochemistry (BIOCH/CHEM 415)
- Current Topics in Neuroscience (BIOL/NRSCI 399)
- Senior Year Experience (up to 1 unit)

*Unless indicated each course is equal to 1 unit

#Lab Animals does not count as a laboratory course

**PLUS One Unit from other track or Ancillary Course List**

Ancillary Courses
- Neuroscience of Fear (BIOL/NRSCI/PSYC 247 D)
- Cross Cultural Healing (BIOL 412)
- Abnormal Psychology (PSYC 317)
- Developmental Disabilities (PSYC 442)
- Introduction to Computer Programming (CS 140)
- Approved SPTP course
- Approved Abroad course
- Hormones & Behavior (PSYC 326) - By Permission of Instructor