# Neuroscience Major Worksheet

**New requirements beginning Fall 2015**

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Course Number</th>
<th>Course Name</th>
<th>Expected Term of Completion</th>
<th>Completed</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Background Courses</td>
<td>BIOL 0145</td>
<td>Cell Biology and Genetics</td>
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<td></td>
<td>PSYC 0105</td>
<td>Intro. to Psychology</td>
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<td></td>
<td>CHEM 0103</td>
<td>General Chemistry 1</td>
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<td></td>
<td>PSYC 0201 or</td>
<td>Psychology Statistics or Biostatistics</td>
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<tr>
<td>2 Background Courses</td>
<td>BIOL0211</td>
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<tr>
<td>3 Background Courses</td>
<td>NSCI 0251</td>
<td>Fundamentals of Cellular &amp; Molecular Neuro.</td>
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<tr>
<td>4 Background Courses</td>
<td>NSCI 0252</td>
<td>Fundamentals of Behavioral Neuroscience</td>
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<tr>
<td>5 Philosophical Courses</td>
<td>NSCI 0251</td>
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<tr>
<td>6 Philosophy Studies of Neuroscience</td>
<td>NSCI 0252</td>
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<td>7 Elective Courses</td>
<td>NSCI 0251</td>
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<td>8 Elective Courses</td>
<td>NSCI 0252</td>
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<td>9 Elective Courses</td>
<td>NSCI 0251</td>
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<tr>
<td>10 Elective Courses</td>
<td>NSCI 0252</td>
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<td>11 Senior Study</td>
<td>NSCI 0500</td>
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**Background Courses:** All 4 are required

**Foundation Courses:** 3 are required

- NSCI 0251, NSCI 0252, and one of the following philosophy courses:
  - 0352 Philosophy of Mind
  - 0358 Rationality and Cognition
  - 0360 Consciousness

**Electives:** 3 of the following are required, chosen from courses listed below

**Biological studies of Neuroscience**
- BIOL 0216 Animal Behavior
- BIOL 0225 Human Genetics
- BIOL 0235 Sexual Selection
- BIOL 0270 Neural Disorders
- BIOL 0305 Developmental Biology
- BIOL 0350 Endocrinology
- BIOL 0370 Animal Physiology
- NSCI 32xx or 3xx (Systems NSCI elective) – *FUTURE COURSE*

**Psychological Studies of Neuroscience**
- PSYC 0202 Research Methods
- PSYC/NSCI 0302 Conditioning & Learning
- PSYC/NSCI 0303 Sensation/Perception
- PSYC/NSCI 0305 Cognitive Psychology
- PSYC/NSCI 0309 Psychopharmacology
- PSYC/NSCI 0311 Neuropsychology
- PSYC/GSFS 0330 Psychology of Gender
- RELI/PSYC 209 Mindfulness & Psychology
- LNGT 0226 Phonetics & Phonology

**Philosophical studies of Neuroscience**
- PHIL 0214 Science and Society
- PHIL 0216 Science & the Quest for Truth
- PHIL 0220 Knowledge and Reality
- *PHIL 02xx Philosophy of Mind
- PHIL 0280 Logic & Formal Semantics
- PHIL 0354 Philosophy of Language
- *PHIL/NSCI 0358 Rationality & Cognition
- *PHIL 0360 Consciousness
- RELI/PHIL 320: Yogacara Depth Psych. & Philos. of Mind
  (* If not taken already to satisfy the Philosophical Studies requirement)

**Senior Study:** 1 of the following approved courses is required

**Senior Seminars**
- BIOL/NSCI 0420
- BIOL 0475
- BIOL/NSCI 0480
- PSYC/NSCI 0411
- PSYC/NSCI 0414
- PSYC/NSCI 0419

**Senior Seminars**
- PSYC/NSCI 0430
- PSYC/NSCI 0434
- PSYC/NSCI 0435
- PSYC/NSCI 0438

**Independent Research**
- NSCI 0500
- NSCI 0700
- NSCI 0701

*Or other approved seminar*