## NEUROSCIENCE - B.S.

<table>
<thead>
<tr>
<th>First Year</th>
<th>Sophomore</th>
<th>Junior</th>
<th>Senior</th>
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<tbody>
<tr>
<td>Semester 1</td>
<td>Semester 1</td>
<td>Semester 1*</td>
<td>Semester 1*</td>
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<tr>
<td>BIOL 207</td>
<td>BIOL 209</td>
<td>1 Advanced Neuroscience Core</td>
<td>1 Elective</td>
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<tr>
<td>CHEM 111*</td>
<td>CHEM201</td>
<td>1 Elective</td>
<td>1 Elective</td>
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<tr>
<td>MATH 113 (or 108)</td>
<td>STAT 220</td>
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<tr>
<th>Semester 2</th>
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<th>Semester 2*</th>
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<tbody>
<tr>
<td>BIOL 208</td>
<td>NSCI 301</td>
<td>1 Advanced Neuroscience Core</td>
<td>1 Elective</td>
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<tr>
<td>CHEM 112*</td>
<td>PSYC 212</td>
<td>1 Elective</td>
<td>Capstone</td>
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<td>PSYC 111</td>
<td>Meet with advisor</td>
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### REQUIREMENTS FOR THE DEGREE

#### Required Foundational Courses (36 credits):
- BIOL 207: Genetics, Ecology, and Evolution
- BIOL 208: Biological Communication & Energetics
- BIOL 209: Biology of Sustainability
- CHEM 111: General Chemistry 1
- CHEM 112: General Chemistry 2
- CHEM 201: Organic Chemistry
- MATH 113: Calculus 1 (or Math 109)
- PSYC 111: General Psychology
- STAT 220: Statistics 1
- *CHEM 115 can substitute for CHEM 111 & 112

#### Plus Introductory Neuroscience Core Courses (8 credits):
- NSCI 301: Principles of Neuroscience
- PSYC 212: Research Methods

#### Plus Advanced Neuroscience Core Courses (8 credits, including at least 4 credits from * courses):
- BIOL 330: Animal Behavior
- BIOL 354: Neurobiology*
- PSYC 322: Sensation and Perception
- PSYC 401: Physiological Psychology*

#### Plus Elective Courses (16 credits):
- Four additional elective courses should be chosen from the following categories that reflect the student’s academic or professional goals. Courses completed to fulfill the Advanced Neuroscience Core requirements do not double-count as electives. At least two courses must be taken from the Neuroscience Elective category. No more than one elective course without a laboratory component may be counted toward the degree.

#### Psychology Electives:
- 207: Alcohol, Other Drugs & Behavior (no lab)
- 301: Psychopathology (no lab)
- 315: Cognition (no lab)
- 322: Sensation & Perception
- 323: Learning & Memory
- 401: Physiological Psychology
- 407: Seminar in Behavioral Neuroscience (no lab)

#### Plus Capstone Experience Course (4 credits):
- Biology Electives:
- 330: Animal Behavior
- 349: Anatomy & Physiology I
- 353: Microscopic Anatomy
- 354: Neurobiology
- 360: Genetics
- 371: Cell Biology

#### Allied Electives (no more than one):
- CHEM 440: Biochemistry 1
- CISC 130: Introduction to Programming
- CISC 440: Artificial Intelligence and Robots
- MATH 114: Calculus 2
- PHYS 109 General Physics 1 or PHYS 111 Intro to Classical Physics 1

### Plus Capsstone Experience Course (4 credits):
- NSCI 450 Integrative Neuroscience
- BIOL 462: Molecular Biology
- BIOL 486: Seminar in Physiology
- BIOL 464: Bioinformatics
- NSCI 490: Topics in Neuroscience
- PSYC 415: Research Issues in Cognition