NEUROSCIENCE, BSLAS

for the degree of Bachelor of Science in Liberal Arts and Sciences Major in Neuroscience

Minimum Required Courses: 83-84 hours including 29 hours of 300- or 400-level courses. 12 hours of advanced level courses in the major must be taken on the Urbana-Champaign campus.

In addition, undergraduate research (MCB 290) in an MCB Neuroscience-designated lab is strongly recommended for students planning to go to graduate school. No more than 10 hours of MCB 290 credit may be counted towards the 120 hours required for a degree in Neuroscience. Students earning a degree in Neuroscience may not also earn a second degree in the Specialized Curriculum in Biochemistry. Students earning a degree in Neuroscience may not double major in Molecular and Cellular Biology.

**Distinction**

Students in Neuroscience can qualify for Distinction via one of the following:

Distinction for Excellence in Research:

**To be eligible for graduation with Distinction a student must:**

Complete 3 semesters of MCB 290 for 2 credit hours or more each semester. Maintain a minimum cumulative GPA of 3.25 at the end of penultimate semester. Give at least one poster presentation at the Undergraduate Research symposium or other approved venue. Obtain a letter of support from their Principal Investigator.

**To be eligible for graduation with High Distinction a student must:**

Complete 3 semesters of MCB 290, in an MCB Neuroscience-designated lab, for 2 credit hours or more each semester. Maintain a minimum cumulative GPA of 3.25 at the end of penultimate semester. Give at least one presentation at the Undergraduate Research Symposium or other approved venue. Obtain a letter of support from their Principal Investigator.

**To be eligible for graduation with Highest Distinction a student must:**

Complete 2 semesters of MCB 290, in an MCB Neuroscience-designated lab, for 2 credit hours or more each semester. Complete 1 semester of MCB 492 for 3 credit hours or more. Maintain a minimum cumulative GPA of 3.25 at the end of penultimate semester. Give at least one presentation at the Undergraduate Research Symposium or other approved venue. Obtain a letter of support from their Principal Investigator. Submit a written thesis that is approved by the Distinction Committee.

Distinction for Excellence in Academics:

**To be eligible for graduation with Academic Distinction a student must:**

Maintain a major GPA of 3.90 or higher in the Neuroscience major (MCB/Neuroscience, Chemistry, Physics and Math courses for the Neuroscience major) at the end of their penultimate semester.

General education: Students must complete the Campus General Education requirements, including the campus general education language requirement.

Minimum required major and supporting course work: 83-84 hours, including 29 credit hours of 300- or 400-level courses; 12 hours of 300- and 400-level courses in the major must be taken on this campus.

Minimum Hours required for graduation: 120 hours.

<table>
<thead>
<tr>
<th>Code</th>
<th>Supporting Courses</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 220</td>
<td>or MATH 221</td>
<td>Calculus</td>
<td>30-31</td>
</tr>
<tr>
<td>MATH 231</td>
<td>or STAT 212</td>
<td>Calculus I</td>
<td></td>
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<tr>
<td>CHEM 102</td>
<td>&amp; CHEM 103</td>
<td>General Chemistry I</td>
<td></td>
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<tr>
<td>&amp; CHEM 104</td>
<td>&amp; CHEM 105</td>
<td>General Chemistry Lab I</td>
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<tr>
<td>&amp; CHEM 105</td>
<td>&amp; CHEM 105</td>
<td>General Chemistry II</td>
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<tr>
<td>CHEM 232</td>
<td></td>
<td>Elementary Organic Chemistry I</td>
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</tbody>
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Information listed in this catalog is current as of 05/2022
CHEM 233  Elementary Organic Chem Lab I
PHYS 101  College Physics: Mech & Heat
& PHYS 102  and College Physics: E&M & Modern

**Neuroscience Introductory Courses** 11
- MCB 150  Molec & Cellular Basis of Life
- MCB 170  Society and the Brain
- PSYC 100  Intro Psych

**Neuroscience Core Courses** 13
- MCB 250  Molecular Genetics
- MCB 251  Exp Techniqs in Molecular Biol
- MCB 252  Cells, Tissues & Development
- MCB 253  Exp Techniqs in Cellular Biol
- PSYC 210  Behavioral Neuroscience
  or PSYC 224  Cognitive Psych

**Advanced Neuroscience Courses** 14
- MCB 314  Introduction to Neurobiology
- MCB 354  Biochem & Phys Basis of Life
- MCB 460  Neuroanatomy Laboratory
- MCB 461  Cell & Molecular Neuroscience
- MCB 462  Integrative Neuroscience

**Advanced Neuroscience Elective Courses**
Five additional three- or four-credit hour courses (minimum of 15 hours) at the 300- to 400-level from the Approved Advanced Elective Courses List are also required. 15

**Total Hours** 83-84

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The Approved Advanced Elective Course List will be available on the MCB website (https://mcb.illinois.edu/undergrad/) and will be updated each semester to most accurately reflect the courses to be offered each academic year.