# NEUROSCIENCE B.A.

All students must meet the Degree and University Requirements.

All students must meet the Catamount Core Curriculum Requirements.

All students must meet the College Requirements.

## MAJOR REQUIREMENTS

At least 30 credits in major courses, plus 19-28 credits in ancillary courses, including:

<table>
<thead>
<tr>
<th>FUNDAMENTAL COURSES. At least 22 credits.</th>
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<tbody>
<tr>
<td>PSYS 1400</td>
<td>Intro to Psychological Science</td>
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**BIOLOGY. Choose 1 of the following options:** 4-8

- **Option A (recommended):**
  - BCOR 1400 & BCOR 1450 | Exploring Biology 1 and Exploring Biology 2 |
- **Option B:**
  - BCOR 1425 | Accelerated Biology |
- **Option C:**
  - BIOL 1400 & BIOL 1450 | Principles of Biology 1 and Principles of Biology 2 |

**CHEMISTRY.** 8

- CHEM 1400 & CHEM 1450 | General Chemistry 1 and General Chemistry 2 |

**ORGANIC CHEMISTRY. Choose 1 of the following:** 4-8

- **Option A:**
  - CHEM 1580 | Intro Organic Chemistry w/lab |
- **Option B:**
  - CHEM 2580 & CHEM 2585 | Organic Chemistry 1 and Organic Chemistry 2 |

**CALCULUS. Choose 1 of the following:** 3-4

- MATH 1212 | Fundamentals of Calculus I |
- MATH 1234 | Calculus I |

**FOUNDATION COURSES. At least 15 credits.**

Choose 1 of the following: 3-4

- NSCI 2100 | Exploring Neuroscience w/lab |
- NSCI 2105 | Exploring Neuroscience |
- BCOR 2300 | Genetics |

**EXPERIMENTAL DESIGN AND STATISTICS.**

Choose 1 of the following: 3-4

- PSYS 2002 | Psych Research Methods (recommended) |
- PSYS 2000 | Psych Research Methods w/lab |

Choose 1 of the following: 3-4

- PSYS 2010 | Statistics for Psych Sci |
- STAT 1410 | Basic Statistical Methods I |

Choose 1 of the following: 3

- PSYS 2100 | Learning, Cognition & Behavior |
- PSYS 2200 | Biopsychology |
- CSD 3810 | Intro Cognitive Neuroscience |

**SENIOR CAPSTONE. 3 credits.**

- NSCI 4500 | Diseases of the Nervous System |

**ELECTIVES. At least 9 credits.**

**CATEGORY A: Behavioral/Cognitive. 1 additional course/3 credits from the following:** 3-4

- PSYS numbered 3100 to 3249 |
- CSD 2010, CSD 3480, CSD 3620 |

**CATEGORY B: Cellular/Molecular. 1 additional course/3-4 credits from the following:** 3-4

- PSYS numbered 3250 to 3299 |
- (BCOR 2500 or BCOR 2505), BIOL 3510, BIOL 3500, BIOL 3530, NSCI 3220, NSCI 3230, NSCI 3250, NSCI 3500, NSCI 3610, PHRM 3010, PHRM 3900 |

1 additional course/3-4 credits from Category A or Category B 3-4

Additional courses, including graduate-level NSCI courses, may be accepted as electives with prior approval from the Neuroscience Directors. Graduate courses are often open to upper-level undergraduate students with instructor permission.

## RESTRICTIONS

Students completing the B.A. in Neuroscience may not also receive the B.S. in Biological Science, the B.S. in Neuroscience, the B.A. in Psychological Science, or the B.S. in Psychological Science.

## OTHER INFORMATION

In the College of Arts and Sciences (CAS), only one course may overlap between a major and a minor or between two CAS majors.

Courses for the major and/or its pre/co-requisites that are cross-listed in the catalog or schedule of courses under another course prefix may be taken under that other prefix and still count for these requirements.
With the approval of the chair/director, courses that applied to the major in previous years but have since been deactivated may be applied to this year’s major requirements if they are reactivated.

For a Bachelor of Arts degree, no more than 45 credits in courses with the same departmental prefix may be used toward completion of the 120 credits required for graduation.

At least half of the credits used to complete major requirements must be taken at the University of Vermont.