NEUROSCIENCE MINOR

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The minor is open to all students, including psychology majors. However, students should note that they are limited to no more than 45 credit hours within a specific department. Students must earn a grade of C or better in at least four of the five courses.

Department Programs

Majors

- Psychology Major, B.A. (http://catalog.unc.edu/undergraduate/programs-study/psychology-major-ba)
- Psychology Major, B.S. (http://catalog.unc.edu/undergraduate/programs-study/psychology-major-bs)

Minors

- Neuroscience Minor (p. 1)

Graduate Programs

- M.A. in Psychology (http://catalog.unc.edu/graduate/schools-departments/psychology-neuroscience)
- Ph.D. in Psychology (http://catalog.unc.edu/graduate/schools-departments/psychology-neuroscience)

Requirements

In addition to the program requirements listed below, students must:

- earn a minimum of 12 hours of C or better in the minor (some minors require more)

For more information, please consult the degree requirements section of the catalog (http://catalog.unc.edu/undergraduate/general-education-curriculum-degree-requirements/#degreerequirementstext).

Core Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>PSYC 315</td>
<td>Introduction to Neuroscience (prerequisite PSYC 101 or BIOL 101)</td>
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Four courses distributed over at least two academic departments, selected from the following lists:

Psychology:

- PSYC 220 Biopsychology
- PSYC 225 Sensation and Perception
- PSYC 245 Abnormal Psychology
- PSYC 320 Drugs and Human Behavior
- PSYC 330 Introduction to Cognitive Science
- PSYC 340 Animal Behavior
- PSYC 401 Advanced Biopsychology
- PSYC 402 Advanced Perception Processes
- PSYC 403 Advanced Cognitive Science Laboratory
- PSYC 404 Clinical Psychophysiology
- PSYC 415 History of Neuroscience
- PSYC 420 Functional Neuroanatomy
- PSYC 424 Neural Connections: Hands on Neuroscience
- PSYC 425 Advanced Perceptual Processes
- PSYC 426 Molecular Mechanisms of Memory
- PSYC 427 Neurobiology of Aging
- PSYC 428 Neuroscience, Society, and the Media
- PSYC 429 Neuroeconomics and the Science of Consequence
- PSYC 434 Cognitive Neuroscience
- PSYC 437 Neurobiology of Learning and Memory
- PSYC 469 Evolution and Development of Biobehavioral Systems
- PSYC 507 Autism
- PSYC 533 The General Linear Model in Psychology
- PSYC 568 Emotion
- PSYC 602 Evolutionary Psychology

Biology:

- BIOL 252 Fundamentals of Human Anatomy and Physiology
- BIOL 278 Animal Behavior
- BIOL 431 Biological Physics
- BIOL 450 Introduction to Neurobiology
- BIOL 451 Comparative Physiology
- BIOL 455 Behavioral Neuroscience
- BIOL 552 Behavioral Endocrinology
- BIOL 553 Mathematical and Computational Models in Biology

Biomedical Engineering:

- BMME 445 Systems Neuroscience

Chemistry:

- CHEM 430 Introduction to Biological Chemistry

Computer Science:

- COMP 555 Bioalgorithms
### Exercise and Sport Science:
- EXSS 380  Neuromuscular Control and Learning

### Mathematics:
- MATH 383  First Course in Differential Equations \(^H\)
- MATH 528  Mathematical Methods for the Physical Sciences I
- MATH 529  Mathematical Methods for the Physical Sciences II
- MATH 547  Linear Algebra for Applications
- MATH 553  Mathematical and Computational Models in Biology
- MATH 564  Mathematical Modeling in the Life Sciences
- MATH 566  Introduction to Numerical Analysis
- MATH 577  Linear Algebra

### Physics:
- PHYS 405  Biological Physics

### Statistics and Operations Research:
- STOR 215  Foundations of Decision Sciences
- STOR 445  Stochastic Modeling
- STOR 455  Statistical Methods I
- STOR 556  Advanced Methods of Data Analysis
- STOR 565  Machine Learning

**Total Hours** 15

\(^H\) Honors version available. An honors course fulfills the same requirements as the nonhonors version of that course. Enrollment and GPA restrictions may apply.

\(^I\) Students may receive elective credit for BMME 445 or PSYC 220, but not both.

See the program page here (http://catalog.unc.edu/undergraduate/programs-study/psychology-major-ba) for special opportunities.