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:
- take at least nine hours of their minor course requirements at UNC–Chapel Hill
- 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

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<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>PSYC 315</td>
<td>Introduction to Neuroscience (prerequisite 3</td>
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<td>PSYC 101 or BIOL 101)</td>
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<td>Four courses distributed over at least two academic departments, 12</td>
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- Psychological:
  - PSYC 220 Biopsychology \(^1, H\)
  - PSYC 225 Sensation and Perception \(^H\)
  - PSYC 245 Abnormal Psychology \(^H\)
  - PSYC 320 Drugs and Human Behavior
  - PSYC 330 Introduction to Cognitive Science
  - PSYC 401 Animal Behavior
  - PSYC 402 Advanced Biopsychology
  - PSYC 403 Advanced Biopsychology Laboratory \(^H\)
  - PSYC 404 Clinical Psychopharmacology
  - 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 \(^H\)
  - PSYC 568 Emotion
  - PSYC 602 Evolutionary Psychology

- Biological:
  - 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 \(^1\)

- Chemistry:
  - CHEM 430 Introduction to Biological Chemistry \(^H\)

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

### Mathematics:
- MATH 383 First Course in Differential Equations
- 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 |

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**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.