NEUROSCIENCE MINOR

Contact Information
Department of Psychology and Neuroscience
http://psychology.unc.edu
Davie Hall, CB# 3270
(919) 843-5467
Kelly Giovanello, Director of Neuroscience Minor
kgio@email.unc.edu
Donald T. Lysle, Chair
dlysle@email.unc.edu
Regina M. Carelli, Associate Chair
rcarelli@email.unc.edu
Karen Gil, Associate Chair
kgil@email.unc.edu
Jeannie Loeb, Director of Undergraduate Studies
loeb@email.unc.edu
Desiree Griffin, Director of Academic Advising
dgriffin@email.unc.edu
Kaitlin Blakemore, Student Services Manager
blakek@email.unc.edu
Christopher Coffey, Undergraduate Instructional Program Coordinator
cctcoffey@email.unc.edu

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

<table>
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<tr>
<th>Course Code</th>
<th>Course 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 \(^1,^H\)
- 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

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 \(^1\)

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 \(^H\)
- 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

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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.