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
dlys@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
tcoffey@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>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Prerequisite</th>
<th>Hours</th>
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<tbody>
<tr>
<td>PSYC 315</td>
<td>Introduction to Neuroscience (prerequisite</td>
<td>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 401 Animal Behavior
- PSYC 402 Advanced Biopsychology
- PSYC 403 Advanced Biopsychology Laboratory
- 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
- 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
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<tr>
<th>Exercise and Sport Science:</th>
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<tr>
<td>EXSS 380 Neuromuscular Control and Learning</td>
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<tr>
<th>Mathematics:</th>
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<tbody>
<tr>
<td>MATH 383 First Course in Differential Equations (^H)</td>
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<tr>
<td>MATH 528 Mathematical Methods for the Physical Sciences I</td>
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<tr>
<td>MATH 529 Mathematical Methods for the Physical Sciences II</td>
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<td>MATH 547 Linear Algebra for Applications</td>
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<tr>
<td>MATH 553 Mathematical and Computational Models in Biology</td>
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<td>MATH 564 Mathematical Modeling in the Life Sciences</td>
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<td>MATH 566 Introduction to Numerical Analysis</td>
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<td>MATH 577 Linear Algebra</td>
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<th>Physics:</th>
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<tr>
<td>PHYS 405 Biological Physics</td>
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<th>Statistics and Operations Research:</th>
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<tr>
<td>STOR 215 Foundations of Decision Sciences</td>
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<tr>
<td>STOR 445 Stochastic Modeling</td>
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<tr>
<td>STOR 455 Statistical Methods I</td>
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<td>STOR 556 Advanced Methods of Data Analysis</td>
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<td>STOR 565 Machine Learning</td>
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**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.