COGNITIVE SCIENCE MINOR

The cognitive science minor consists of five disciplinary areas: behavioral, biological, computational, linguistic, and philosophical. Each course, except the overview, falls into one or more disciplinary areas.

Students interested in pursuing the minor should contact the program director for further information.

Requirements

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

- take at least nine hours of their minor "core" requirements at UNC–Chapel Hill
- earn a minimum cumulative GPA of 2.000 in the minor core requirements. Some programs may require higher standards for minor or specific courses.

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

<table>
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<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tr>
<td>PSYC 330</td>
<td>Introduction to Cognitive Science (prerequisite, PSYC 101)</td>
<td>3</td>
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Four other courses distributed over at least two disciplinary areas, at least two of which must be numbered 400 or above, as follows:

**Behavioral:**
- INLS 203  Human Information Behavior
- INLS 318  Human Computer Interaction
- INLS 418  Human Factors in System Design
- INLS 512  Applications of Natural Language Processing
- NSCI 222  Learning
- NSCI 225  Sensation and Perception
- NSCI 434  Cognitive Neuroscience
- PSYC 230  Cognitive Psychology
- PSYC 430  Human Memory
- PSYC 432  Psychology of Language
- PSYC 433  Behavioral Decision Theory
- PSYC 461  Cognitive Development

**Computational:**
- COMP 110  Introduction to Programming and Data Science
- COMP 116  Introduction to Scientific Programming
- COMP 210  Data Structures and Analysis
- COMP 455  Models of Languages and Computation
- COMP 486  Applications of Natural Language Processing
- COMP 560  Artificial Intelligence
- COMP 562  Introduction to Machine Learning
- COMP 581  Introduction to Robotics
- INLS 318  Human Computer Interaction
- INLS 500  Human Information Interactions
- INLS 509  Information Retrieval
- INLS 512  Applications of Natural Language Processing

**Linguistic:**
- COMP 486  Applications of Natural Language Processing
- INLS 512  Applications of Natural Language Processing
- LING 145  Language, Communication, and Human and Animal Minds
- LING 333  Human Language and Animal Communication Systems
- LING 401  Language and Computers
- LING 460  Making Sense of Big Data: Textual Analysis with R
- LING 540  Mathematical Linguistics
- LING 545  Language and Mind
- LING 547  Language Deficits and Cognition

**Philosophical:**
- LING/PHIL 455  Symbolic Logic
- PHIL 145  Language, Communication, and Human and Animal Minds
- PHIL 155  Truth and Proof: Introduction to Mathematical Logic
- PHIL 164  Morality and Business
- PHIL 230  Mind, Matter, and Metaphysics: the Philosophy of Experience and Reality
- PHIL 335  Theory of Knowledge
- PHIL 340  Philosophy of Mind
- PHIL 440  Philosophy of Mind
- PHIL 445  Advanced Philosophy of Language

**Additional Requirements**
- PSYC 101  General Psychology

**Total Hours** 18

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

F  FY-Launch class sections may be available. A FY-Launch section fulfills the same requirements as a standard section of that course, but also fulfills the FY-SEMINAR/FY-LAUNCH First-Year Foundations requirement. Students can search for FY-Launch sections in ConnectCarolina using the FY-LAUNCH attribute.
Recommended preparation, PSYC 210 or another quantitative reasoning course.

The minor is open to all, including psychology majors, who are still limited to no more than 45 credit hours in the department. Students and their advisors should take careful note of the specified prerequisites for advanced offerings in this listing. The specified courses (or their equivalent from other institutions) provide a necessary background for entry into these advanced courses.

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

Department Programs

Majors

• Neuroscience Major, B.S. (http://catalog.unc.edu/undergraduate/programs-study/neuroscience-major-bs/)
• 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

• Cognitive Science Minor (p. 1)
• Neuroscience Minor (http://catalog.unc.edu/undergraduate/programs-study/neuroscience-minor/)

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/)

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