Cognitive Science (Minor)

The Department of Psychology and the Department of Philosophy and Religious Studies offer an interdisciplinary minor in cognitive science. The minor offers the student the opportunity for in-depth study with the framework of the "computer model" of the mind. Students study such topics as the nature of human information processing, the acquisition and use of language, and machine intelligence. No courses for the minor may be taken for S/U credit.

Students completing the minor in Cognitive Science will:

- Possess a background in logic, linguistics, psychology, philosophy, computer science and an appreciation and understanding of contemporary research in cognitive science.
- Be acquainted with the range and nature of problems united under the tile "cognitive science".
- Have a general understanding of the computational model of the mind and of the ways in which the computer, together with other technical advances, has revolutionized contemporary thinking about the mind.
- Have an in-depth understanding of at least 2 or 3 central empirical issues currently under investigation in the field of cognitive science.
- Have become aware of both the value and difficulty of pursuing interdisciplinary approaches to research question.

Admissions and Certification of Minor

Students can complete the necessary forms online (https://studentservices.ncsu.edu/your-degree/coda-home/add-a-minor/). The minor must be completed no later than the semester in which the student expects to graduate from their degree program. Certification should be completed no later than during the registration period for the student's final semester at NC State.

Contact Person

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SIS Code: 16CNM

- A minimum of 15 hours is required for the minor in Cognitive Science.
- Students must maintain a grade of 'C-' or better in each course used toward the minor.
- Cognitive Science minor courses must include at least 3 of the 5 primary disciplines: philosophy (including logic), psychology, computer science, linguistics, and neurobiology.
- A maximum of TWO (2) courses may double-count between major departmental requirements and courses counting toward the minor.

- A maximum of TWO (2) courses may double-count between courses counting toward this minor and additional minors.

The department will determine whether courses which have been transferred from other institutions qualify for the minor. No more than two courses from other institutions may count toward the minor.

Code	Title	Hours
Required Courses		
Select two of the following:		6
PHI/PSY 425	Introduction to Cognitive Science	
PSY 420	Cognitive Processes	
CSC 411	Introduction to Artificial Intelligence	
Elective Courses		
Select three of the following:		9
CSC 333	Automata, Grammars, and Computability	
CSC 411	Introduction to Artificial Intelligence	
ENG 210	Introduction to Language and Linguistics	
ENG 324	Modern English Syntax	
ENG 524	Introduction to Linguistics	
ENG 525	Variety In Language	
ENG 527	Discourse Analysis	
LOG 335	Symbolic Logic	
LOG 435	Advanced Logic & Metamathematics	
LOG 430	Varieties of Logic	
PHI 331	Philosophy of Language	
PHI 332	Philosophy of Psychology	
PHI 347	Neuroscience and Philosophy	
PHI/PSY 425	Introduction to Cognitive Science	
PHI 447	Philosophy, Evolution and Human Nature	
PSY 340	Human Factors Psychology	
PSY 400	Perception	
PSY 420	Cognitive Processes	
PSY 430	Biological Psychology	
BIO 488	Neurobiology	
Total Hours		**15**