

COGNITIVE SCIENCE MINOR

Robert Van Gulick, Director
522 Hall of Languages
315-443-5828
rnvangul@syr.edu

The minor in cognitive science offers study in recent interdisciplinary research on cognition. Relevant courses are offered in several departments and colleges, including College of Engineering and Computer Science and the linguistics, philosophy, and psychology departments within the College of Arts and Sciences. Students may pursue study in cognition science either by enrolling in the interdisciplinary minor or by majoring in selected studies in cognitive science (see selected studies). Faculty advisors are available within each of these units to help students plan a course of study.

Student Learning Outcomes

1. Students will be able to demonstrate an understanding of the integrated and complementary ways in which research in multiple disciplines study cognition.
2. Students will be able to demonstrate a basic understanding of research on cognition from at least three different disciplinary perspectives.
3. Students will be able to read original research reports on cognition and explain them to others both orally in writing.

Cognitive Science Minor Requirements

The minor requires 18 credits, according to the following distribution:

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Code	Title	Credits
Core Course		
COG 301	Introduction to Cognitive Science	3
Areas		
Select five courses, chosen from at least three of the five areas below:		15
<i>Cognitive Processes</i>		
PSY 321	Introduction to Sensation and Perception	
PSY 322	Cognitive Psychology	
PSY 373	Human Memory	
<i>Conceptual Foundations</i>		
CIS 467	Introduction to Artificial Intelligence	
PHI 376	Philosophy of Mind	
PHI 377	Philosophy of Psychology	
PHI 378	Minds and Machines	
PHI 387	Epistemology	
<i>Neural Basis of Cognition</i>		
CSD 409	Cognitive Neuroscience of Speech and Language	
PSY 223	Introduction to Cognitive Neuroscience	
PSY 426	Cognitive Neurochemistry	
<i>Formal and Robotic Systems</i>		
CIS 473	Automata and Computability	
CIS 543	Control of Robots	
PHI 451	Logic and Language	

PSY 420	Using Robots to Understand the Mind
<i>Language and Language Processing</i>	
LIN 301	Introductory Linguistic Analysis
LIN 312	Meaning and Communication
LIN 411	Semantics of Human Languages
LIN 431	Phonological Analysis
LIN 441	Syntactic Analysis
LIN 451	Morphological Analysis
Total Credits	
18	

Additional Information

With the approval of the Cognitive Science minor advisor, students may substitute a three-credit section of COG 490 Independent Study in Cognitive Science, for one of the five courses.