



DEPARTMENT OF COGNITIVE SCIENCES

Associate professor Jeff Krichmar's Cognitive Anteater Robotics Lab (CARL) uses robots to learn how the brain adapts to different environments. Photo by Daniel Anderson, University Communications.

- Department includes more than 1000 undergraduates and 60 graduate students
- Cognitive psychology graduate program is ranked 13th in the nation
- Department's 23 faculty include four members of the National Academy of Sciences, nine fellows and two William James fellows of the American Psychological Society, eight American Psychological Association fellows and five Society for Experimental Psychology fellows
- Topics studied include:
 - Cognitive neuroscience and robotics
 - Language and development
 - Mathematical and computational modeling
 - Memory and decision-making
 - Vision, hearing, attention and action

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Have you ever wondered how we perceive, learn and solve problems? How our brains organize and store information? How we create and use language?

Cognitive sciences faculty and students investigate the brain and behavior, seeking to understand how and why people work the way they do.

investigate

Innovative studies take an interdisciplinary approach by integrating neuropsychological and behavioral methods and data, using large computational models, exploring brain-computer interfaces, and designing robots to understand how we perceive and act in the world.

innovate

Cognitive science faculty and student research impacts our understanding of memory and language disorders, like Alzheimer's and aphasia; potentially improves our ability to deal with the information age, suggesting new approaches for online search engines and recommendation systems; and can enhance educational practices, including the development of children's literacy and numeracy skills.

impact