

COGNITIVE SCIENCE (GRADUATE MINOR FIELD)

Graduate School

Program Website (<https://cogsci.cornell.edu/graduate-minor>)

Program Description

Cognitive science focuses on the nature and representation of knowledge. Among the many topics examined are logic and the justification of belief; the nature of mind and action; knowledge representation; knowledge acquisition; the knowledge, use, and acquisition of language; perception; concepts and conceptual change; artificial intelligence and parallel distributed processing; and the neurobiology of cognition.

The cognitive science minor is open to students who have elected a major field in which the minor can be appropriately included. Field members offer guidance to students in setting up and carrying out an integrated program of interdisciplinary study in conjunction with their major field. Major fields include (but are not limited to) computer science, human development, information science, linguistics, management, mathematics, neurobiology and behavior, philosophy, and psychology.

Graduate Minor Field Requirements

All cognitive science graduate minor students must take a minimum of two 6000-level courses, plus the proseminar*: some 4000-level courses will be allowed with the approval of your minor committee member. One course should be taught outside your discipline (in another Cog Sci-affiliated department); one may be within your discipline/home department. Only one of these courses may be taught by your advisor.

*The proseminar, COGST 6101 Cognitive Science Proseminar Cognitive Science Proseminar, taught by members of the interdisciplinary field of cognitive science surveys the study of how the mind/brain works, drawing primarily from six disciplines: philosophy, psychology, developmental science, neuroscience, linguistics, and computer science. This 1-credit course meets every other week during the spring semester and is an additional requirement for all grad minors.

Colloquia

Graduate students who are interested in cognition and in the cognitive sciences are encouraged to attend cognitive science colloquia throughout the school year. The field sponsors a series of lectures by internationally recognized scholars. Students are invited to meet with the speakers for informal discussion during their visits.

Film Series

Each fall the program hosts Sprocket, the Cognitive Science Film Series. The evening, complete with pizza and conversation, is free and open to the Cornell community.

Funding

Travel funding for conferences and workshops is available to minor students. Research funding is available to all cognitive science graduate students.

Grad Convo/Info Blitz

The Annual Grad Convo/Info Blitz lunch is held each May, in order for students to share their research with peers and faculty.

For more information, consult the program manager, Julie Simmons-Lynch, jes257@cornell.edu, 278a Uris Hall, (607) 255-6431 or the director of graduate studies, Morten Christiansen, mhc27@cornell.edu.

Instructions for Application and Formal Entry to the Cognitive Science Field Minor

1. Choose a member of the graduate field of the cognitive science faculty who you would like to work with in structuring and conducting this minor field.
2. Obtain permission from this faculty member and from your special committee for the addition of this minor to your studies. (Since cognitive science is a minor field, this faculty member may not be the chair of your major.)
3. You'll need to make this change, and/or any committee updates, on your Student Center page.¹

¹ This is a minor field. Application for admission is made only to the major fields. After matriculation, a student may select minor subjects from the major or minor fields.

Faculty

Adam Keith Anderson (<http://human.cornell.edu/people/adam-anderson>)

- **Campus:** Ithaca - (Minor Member)
- **Concentrations:** *Cognitive Science*: cognitive studies
- **Research Interests:** examination of the psychology and neuroscience of emotion and its influence on attention, memory and cognition

Helena Aparicio Terrasa (<http://linguistics.cornell.edu/helena-aparicio>)

- **Campus:** Ithaca - (Minor Member)
- **Concentrations:** *Cognitive Science*: cognitive studies
- **Research Interests:** Theoretical, Experimental and Computational Semantics/Pragmatics

Yoav Artzi (<http://yoavartzi.com/>)

- **Campus:** Cornell Tech (NYC) - (Minor Member)
- **Concentrations:** *Cognitive Science*: cognitive studies
- **Research Interests:** Computer Science

Kaushik Basu (<http://economics.cornell.edu/kaushik-basu>)

- **Campus:** Ithaca - (Minor Member)
- **Concentrations:** *Cognitive Science*: cognitive studies

Lawrence Edward Blume (<http://infosci.cornell.edu/content/blume>)

- **Campus:** Ithaca - (Minor Member)
- **Concentrations:** *Cognitive Science*: cognitive studies
- **Research Interests:** economics

Charles Brainerd (<http://psychology.cornell.edu/charles-brainerd>)

- **Campus:** Ithaca - (Minor Member)
- **Concentrations:** *Cognitive Science*: cognitive studies
- **Research Interests:** human development

Claire T Cardie (<http://infosci.cornell.edu/content/cardie>)

- **Campus:** Ithaca - (Minor Member)
- **Concentrations:** *Cognitive Science*: cognitive studies
- **Research Interests:** computer science

Daniel Casasanto (<http://human.cornell.edu/people/daniel-casanto>)

- **Campus:** Ithaca - (Minor Member)
- **Concentrations:** *Cognitive Science*: cognitive studies
- **Research Interests:** experience and cognitive lab

Marianella Casasola (<http://human.cornell.edu/people/marianella-casola>)

- **Campus:** Ithaca - (Minor Member)
- **Concentrations:** *Cognitive Science*: cognitive studies
- **Research Interests:** human development

Stephen John Ceci (<http://human.cornell.edu/people/stephen-cesi>)

- **Campus:** Ithaca - (Minor Member)
- **Concentrations:** *Cognitive Science*: cognitive studies
- **Research Interests:** human development

Tanzeem Choudhury (<http://infosci.cornell.edu/content/choudhury>)

- **Campus:** Cornell Tech (NYC) - (Minor Member)
- **Concentrations:** *Cognitive Science*: cognitive studies
- **Research Interests:** machine learning, mobile systems, activity recognition, mobile health, computer science

Morten H Christiansen (<http://infosci.cornell.edu/content/christiansen>)

- **Campus:** Ithaca - (Minor Member)
- **Concentrations:** *Cognitive Science*: cognitive studies
- **Research Interests:** psychology

Thomas A. Cleland (<http://psychology.cornell.edu/thomas-cleland>)

- **Campus:** Ithaca - (Minor Member)
- **Concentrations:** *Cognitive Science*: cognitive studies
- **Research Interests:** active sensation and construction of sensory representations; olfactory processing; generalization and perception; learning and memory; computational systems neurophysiology; mouse behavioral phenotyping; neural circuit structure and function

Abigail C Cohn (<http://linguistics.cornell.edu/abigail-c-cohn>)

- **Campus:** Ithaca - (Minor Member)
- **Concentrations:** *Cognitive Science*: cognitive studies
- **Research Interests:** linguistics

Audun Dahl (<http://psychology.cornell.edu/audun-dahl>)

- **Campus:** Ithaca - (Minor Member)
- **Concentrations:** *Cognitive Science*: cognitive studies

Miloje Despic (<http://linguistics.cornell.edu/miloje-despic>)

- **Campus:** Ithaca - (Minor Member)
- **Concentrations:** *Cognitive Science*: cognitive studies
- **Research Interests:** Syntax, Morphology, Semantics, Interfaces...Slavic, Turkic, Algonquian

Molly E Diesing (<http://linguistics.cornell.edu/molly-diesing>)

- **Campus:** Ithaca - (Minor Member)
- **Concentrations:** *Cognitive Science*: cognitive studies
- **Research Interests:** linguistics

John M. Doris (<http://philosophy.cornell.edu/john-m-doris>)

- **Campus:** Ithaca - (Minor Member)
- **Concentrations:** *Cognitive Science*: cognitive studies
- **Research Interests:** Cognitive science, moral psychology, and philosophical ethics*

Laurent Dubreuil (<http://romancestudies.cornell.edu/laurent-dubreuil>)

- **Campus:** Ithaca - (Minor Member)
- **Concentrations:** *Cognitive Science*: cognitive studies
- **Research Interests:** literary theory; cognitive sciences

Shimon Edelman (<http://shimon-edelman.github.io/>)

- **Campus:** Ithaca - (Minor Member)
- **Concentrations:** *Cognitive Science*: cognitive studies
- **Research Interests:** psychology

David James Field (<http://psychology.cornell.edu/david-j-field>)

- **Campus:** Ithaca - (Minor Member)
- **Concentrations:** *Cognitive Science*: cognitive studies
- **Research Interests:** psychology

Susan R. Fussell (<http://infosci.cornell.edu/content/fussell>)

- **Campus:** Ithaca - (Minor Member)
- **Concentrations:** *Cognitive Science*: cognitive studies

Thomas Dashiff Gilovich (<http://psychology.cornell.edu/thomas-d-gilovich>)

- **Campus:** Ithaca - (Minor Member)
- **Concentrations:** *Cognitive Science*: cognitive studies
- **Research Interests:** psychology

Jesse H. Goldberg (<http://www.bme.cornell.edu/faculty-directory/jesse-h-goldberg>)

- **Campus:** Ithaca - (Minor Member)
- **Concentrations:** *Cognitive Science*: cognitive studies
- **Research Interests:** neurobiology, neuroscience, cognitive science

Michael H. Goldstein (<http://psychology.cornell.edu/michael-h-goldstein>)

- **Campus:** Ithaca - (Minor Member)
- **Concentrations:** *Cognitive Science*: cognitive studies
- **Research Interests:** psychology

Marlen Z Gonzalez (<http://human.cornell.edu/people/marlen-gonzalez>)

- **Campus:** Ithaca - (Minor Member)
- **Concentrations:** *Cognitive Science*: cognitive studies

Haym Hirsh (<http://www.cs.cornell.edu/~hirsh/>)

- **Campus:** Ithaca - (Minor Member)
- **Concentrations:** *Cognitive Science*: cognitive studies
- **Research Interests:** computer science; information science

Nori Jacoby (<http://norijacoby.com/>)

- **Campus:** Ithaca - (Minor Member)
- **Concentrations:** *Cognitive Science*: cognitive studies

Thorsten Joachims (<http://infosci.cornell.edu/content/joachims>)

- **Campus:** Ithaca - (Minor Member)
- **Concentrations:** *Cognitive Science*: cognitive studies
- **Research Interests:** computer science

Malte Jung (<http://infosci.cornell.edu/content/jung>)

- **Campus:** Ithaca - (Minor Member)
- **Concentrations:** *Cognitive Science*: cognitive studies

Amy R. Krosch (<http://kroschlab.com/>)

- **Campus:** Ithaca - (Minor Member)
- **Concentrations:** *Cognitive Science*: cognitive studies

Jennifer Kuo (<http://linguistics.cornell.edu/news/jennifer-kuo-joins-department-linguistics>)

- **Campus:** Ithaca - (Minor Member)
- **Concentrations:** *Cognitive Science*: cognitive studies

Lillian Lee (<http://infosci.cornell.edu/content/lee>)

- **Campus:** Ithaca - (Minor Member)
- **Concentrations:** *Cognitive Science*: cognitive studies
- **Research Interests:** computer science

Christiane Linster (<http://nbb.cornell.edu/christiane-linster>)

- **Campus:** Ithaca - (Minor Member)
- **Concentrations:** *Cognitive Science*: cognitive studies
- **Research Interests:** neurobiology and behavior

Michael Walton Macy (<http://sociology.cornell.edu/michael-macy>)

- **Campus:** Ithaca - (Minor Member)
- **Concentrations:** *Cognitive Science*: cognitive studies
- **Research Interests:** sociology

David Mimno (<http://bowers.cornell.edu/people/david-mimno>)

- **Campus:** Ithaca - (Minor Member)
- **Concentrations:** *Cognitive Science*: cognitive studies
- **Research Interests:** computer science

Sarah E. Murray (<http://linguistics.cornell.edu/sarah-murray>)

- **Campus:** Ithaca - (Minor Member)
- **Concentrations:** *Cognitive Science*: cognitive studies

- **Research Interests:** formal semantics and pragmatics; dynamic semantics; cognitive science and philosophy of language; fieldwork; Cheyenne and other understudied languages

Anil Nerode (<http://www.mathlab.cornell.edu/m/People/bynetid/an17>)

- **Campus:** Ithaca - (Minor Member)
- **Concentrations:** *Cognitive Science*: cognitive studies
- **Research Interests:** mathematics

Shaun B. Nichols (<http://philosophy.cornell.edu/shaun-nichols>)

- **Campus:** Ithaca - (Minor Member)
- **Concentrations:** *Cognitive Science*: cognitive studies
- **Research Interests:** moral psychology and philosophy of the mind

Laura Niemi (<http://psychology.cornell.edu/laura-niemi>)

- **Campus:** Ithaca - (Minor Member)
- **Concentrations:** *Cognitive Science*: cognitive studies
- **Research Interests:** Applied moral psychology

Alexander Ophir (<http://psychology.cornell.edu/alexander-g-ophir>)

- **Campus:** Ithaca - (Minor Member)
- **Concentrations:** *Cognitive Science*: cognitive studies
- **Research Interests:** influences on social behavior, individual variations in genes, brain and behavior, monogamy and social attachment, social and spatial memory, animal communication

Carlotta Pavese (<http://philosophy.cornell.edu/carlotta-pavese>)

- **Campus:** Ithaca - (Minor Member)
- **Concentrations:** *Cognitive Science*: cognitive studies
- **Research Interests:** Epistemology, action theory, philosophy of mind, philosophy of language, linguistics

Gordon Pennycook (<http://psychology.cornell.edu/gordon-pennycook>)

- **Campus:** Ithaca - (Minor Member)
- **Concentrations:** *Cognitive Science*: cognitive studies

Derk Pereboom (<http://philosophy.cornell.edu/derk-pereboom>)

- **Campus:** Ithaca - (Minor Member)
- **Concentrations:** *Cognitive Science*: cognitive studies
- **Research Interests:** free will and moral responsibility; philosophy of psychology; history of 17th- and 18th-century philosophy of religion

David A. Pizarro (<http://psychology.cornell.edu/david-pizarro>)

- **Campus:** Ithaca - (Minor Member)
- **Concentrations:** *Cognitive Science*: cognitive studies
- **Research Interests:** psychology

David Gertler Rand (<http://bowers.cornell.edu/people/david-rand>)

- **Campus:** Ithaca - (Minor Member)
- **Concentrations:** *Cognitive Science*: cognitive studies
- **Research Interests:** Information Science, Marketing and Management Communications, Psychology

Hudson Kern Reeve (<http://nbb.cornell.edu/hudson-kern-reeve>)

- **Campus:** Ithaca - (Minor Member)
- **Concentrations:** *Cognitive Science*: cognitive studies
- **Research Interests:** neurobiology and behavior

Valerie Reyna (<http://human.cornell.edu/people/valerie-reyna>)

- **Campus:** Ithaca - (Minor Member)
- **Concentrations:** *Cognitive Science*: cognitive studies
- **Research Interests:** human development

Mats Rooth (<http://infosci.cornell.edu/content/rooth>)

- **Campus:** Ithaca - (Minor Member)
- **Concentrations:** *Cognitive Science*: cognitive studies
- **Research Interests:** linguistics

Bart Selman (<http://www.cs.cornell.edu/selman/>)

- **Campus:** Ithaca - (Minor Member)
- **Concentrations:** *Cognitive Science*: cognitive studies
- **Research Interests:** computer science

Nicholas Silins (<http://philosophy.cornell.edu/nicholas-silins>)

- **Campus:** Ithaca - (Minor Member)
- **Concentrations:** *Cognitive Science*: cognitive studies
- **Research Interests:** epistemology, philosophy of mind

David M. Smith (<http://psychology.cornell.edu/david-m-smith>)

- **Campus:** Ithaca - (Minor Member)
- **Concentrations:** *Cognitive Science*: cognitive studies

W. Starr (<http://philosophy.cornell.edu/william-b-starr>)

- **Campus:** Ithaca - (Minor Member)
- **Concentrations:** *Cognitive Science*: cognitive studies
- **Research Interests:** language, philosophy

Robert J. Sternberg (<http://human.cornell.edu/people/robert-sternberg>)

- **Campus:** Ithaca - (Minor Member)
- **Concentrations:** *Cognitive Science*: cognitive studies
- **Research Interests:** human development, psychology

Khena Swallow (<http://psychology.cornell.edu/khena-m-swallow>)

- **Campus:** Ithaca - (Minor Member)
- **Concentrations:** *Cognitive Science*: cognitive studies
- **Research Interests:** psychology

Samuel Tilsen (<http://linguistics.cornell.edu/samuel-tilsen>)

- **Campus:** Ithaca - (Minor Member)
- **Concentrations:** *Cognitive Science*: cognitive studies
- **Research Interests:** speech; rhythm; gestures

Katherine Anne Tschida (<http://psychology.cornell.edu/katherine-tschida>)

- **Campus:** Ithaca - (Minor Member)
- **Concentrations:** *Cognitive Science*: cognitive studies
- **Research Interests:** Psychology

Marten van Schijndel (<http://vansky.github.io/>)

- **Campus:** Ithaca - (Minor Member)
- **Concentrations:** *Cognitive Science*: cognitive studies
- **Research Interests:** psycholinguistics, computational linguistics, syntax, and semantics

Qi Wang (<http://human.cornell.edu/people/qi-wang>)

- **Campus:** Ithaca - (Minor Member)
- **Concentrations:** *Cognitive Science*: cognitive studies
- **Research Interests:** human development

John Bradford Whitman (<http://linguistics.cornell.edu/john-b-whitman>)

- **Campus:** Ithaca - (Minor Member)
- **Concentrations:** *Cognitive Science*: cognitive studies
- **Research Interests:** linguistics; Asian studies

Wendy Williams (<http://human.cornell.edu/people/wendy-williams>)

- **Campus:** Ithaca - (Minor Member)
- **Concentrations:** *Cognitive Science*: cognitive studies
- **Research Interests:** human development

Jordan C. Wylie (<http://psychology.cornell.edu/jordan-c-wylie>) - (Minor Member)

- **Campus:** Ithaca - (Minor Member)
- **Concentrations:** *Cognitive Science*: cognitive studies
- **Research Interests:** Psychology, Moral Psychology

Ramin Zabih (<http://bowers.cornell.edu/people/ramin-zabih>)

- **Campus:** Cornell Tech (NYC) - (Minor Member)
- **Concentrations:** *Cognitive Science*: cognitive studies
- **Research Interests:** computer science

Vivian Zayas (<http://psychology.cornell.edu/vivian-zayas>)

- **Campus:** Ithaca - (Minor Member)
- **Concentrations:** *Cognitive Science*: cognitive studies
- **Research Interests:** social cognition; human attachment; self-regulation; unconscious cognition