

# COGNITIVE SCIENCES

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## Contact Information

### Cognitive Sciences

<https://cogsci.rice.edu/>

209 Herring Hall

713-348-3770

### Simon J. Fischer-Baum

Program Director

[simon.j.fischer-baum@rice.edu](mailto:simon.j.fischer-baum@rice.edu)

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Researchers in the interdisciplinary field of Cognitive Sciences seek to understand such mental phenomena as perception, thought, memory, the acquisition and use of language, learning, concept formation, and consciousness. Some investigators focus on relations between brain structures and behavior, some work with computer simulation, some use experimental methodology, and others work at more abstract theoretical levels.

## Bachelor's Program

- [Bachelor of Arts \(BA\) Degree with a Major in Cognitive Sciences](https://ga.rice.edu/programs-study/departments-programs/social-sciences/cognitive-sciences/cognitive-sciences-ba/)  
(<https://ga.rice.edu/programs-study/departments-programs/social-sciences/cognitive-sciences/cognitive-sciences-ba/>)

Cognitive Sciences does not currently offer an academic program at the graduate level.

## Director

Simon J. Fischer-Baum

## Professors

Michel Achard  
Michael D. Byrne  
Patricia DeLucia  
Uriah Kriegel  
Randi C. Martin  
Frederick L. Oswald  
James R. Pomerantz  
Timothy Schroeder  
Charles R. Stewart  
Devika Subramanian  
Marina Vannucci

## Associate Professors

Robert Englebretson  
Simon J. Fischer-Baum  
Caleb Kemere  
Suzanne E. Kemmer  
Philip T. Kortum  
David M. Lane  
Nancy A. Niedzielski

## Assistant Professors

Bryan Denny  
Stephanie Leal  
Lan Li

Alexander Morgan  
Xaq Pitkow

## Professors Emeriti

Steven J. Cox  
Richard E. Grandy  
Don Herrick Johnson  
Mark Kulstad  
Sydney M. Lamb  
David J. Schneider  
Stephen A. Tyler  
James Young

## Teaching Professor

David R. Caprette

## Assistant Teaching Professor

Jonathan R. Flynn

## Senior Lecturers

Özge Gürcanli  
Carissa A. Zimmerman

## Lecturers

John Greiner  
Jonathan Manker  
Bart Moore

*For Rice University degree-granting programs:*

To view the list of official course offerings, please see [Rice's Course Catalog](https://courses.rice.edu/admweb/!SWKSCAT.cat?p_action=cata) ([https://courses.rice.edu/admweb/!SWKSCAT.cat?p\\_action=cata](https://courses.rice.edu/admweb/!SWKSCAT.cat?p_action=cata))

To view the most recent semester's course schedule, please see [Rice's Course Schedule](https://courses.rice.edu/admweb/!SWKSCAT.cat) (<https://courses.rice.edu/admweb/!SWKSCAT.cat>)

## Cognitive Sciences (CSCI)

### CSCI 238 - SPECIAL TOPICS

**Short Title:** SPECIAL TOPICS

**Department:** Cognitive Sciences

**Grade Mode:** Standard Letter

**Course Type:** Laboratory, Lecture, Seminar, Internship/Practicum

**Credit Hours:** 1-4

**Restrictions:** Enrollment is limited to Undergraduate, Undergraduate Professional or Visiting Undergraduate level students.

**Course Level:** Undergraduate Lower-Level

**Description:** Topics and credit hours vary each semester. Contact department for current semester's topic(s). Repeatable for Credit.

**CSCI 340 - METHODS OF COGNITIVE SCIENCE****Short Title:** METHODS OF COGNITIVE SCIENCE**Department:** Cognitive Sciences**Grade Mode:** Standard Letter**Course Type:** Lecture**Credit Hours:** 3**Restrictions:** Enrollment is limited to Undergraduate, Undergraduate Professional or Visiting Undergraduate level students.**Course Level:** Undergraduate Upper-Level**Description:** Cognitive science is a basic science of mental operations in humans, animals, and artificial systems. It is a highly interdisciplinary endeavor that draws on philosophy, psychology, biology, linguistics, and computer science, among other traditional disciplines. This course provides an integrated introduction to the primary empirical methods for studying the human mind. Students will learn how the scientific method is applied to study mental information representation, manipulation, and utilization in natural and artificial cognitive systems. It will teach students to understand and evaluate existing methodological approaches as well as recognize what is necessary to replicate results. Topics include the philosophical foundations of cognitive science, basic methods of cognitive psychology, neuroscience, linguistics, computational modeling, data analysis, and ethical responsibility when conducting cognitive research.**CSCI 390 - SUPERVISED RESEARCH IN COGNITIVE SCIENCES****Short Title:** SUPERV RESRCH COGNITIVE SCI**Department:** Cognitive Sciences**Grade Mode:** Standard Letter**Course Type:** Research**Credit Hours:** 1-3**Restrictions:** Enrollment is limited to Undergraduate, Undergraduate Professional or Visiting Undergraduate level students.**Course Level:** Undergraduate Upper-Level**Description:** Supervised research on topics relevant to the cognitive sciences. Limited to majors in Cognitive Sciences. Instructor Permission Required. Repeatable for Credit.**CSCI 477 - SPECIAL TOPICS****Short Title:** SPECIAL TOPICS**Department:** Cognitive Sciences**Grade Mode:** Standard Letter**Course Type:** Internship/Practicum, Seminar, Lecture, Laboratory**Credit Hours:** 1-4**Restrictions:** Enrollment is limited to Undergraduate, Undergraduate Professional or Visiting Undergraduate level students.**Course Level:** Undergraduate Upper-Level**Description:** Topics and credit hours vary each semester. Contact department for current semester's topic(s). Repeatable for Credit.**CSCI 481 - HONORS PROJECT****Short Title:** HONORS PROJECT**Department:** Cognitive Sciences**Grade Mode:** Standard Letter**Course Type:** Research**Credit Hours:** 1-3**Restrictions:** Enrollment is limited to Undergraduate, Undergraduate Professional or Visiting Undergraduate level students.**Course Level:** Undergraduate Upper-Level**Description:** Independent directed research toward preparation of an undergraduate honors project or thesis. Instructor Permission Required. Repeatable for Credit.

## Description and Code Legend

**Note:** Internally, the university uses the following descriptions, codes, and abbreviations for this academic program. The following is a quick reference:

### Course Catalog/Schedule

- Course offerings/subject code: CSCI

### Program Description and Code

- Cognitive Sciences: CSCI

### Undergraduate Degree Description and Code

- Bachelor of Arts degree: BA

### Undergraduate Major Description and Code

- Major in Cognitive Sciences: CSCI

### Undergraduate Major Areas of Specialization Descriptions and Attribute Codes\*

- Area of Specialization in Linguistics: CSLN
- Area of Specialization in Neuroscience: CSNR
- Area of Specialization in Philosophy: CSPH
- Area of Specialization in Psychology: CSPA

**Please Note:** Areas of Specialization are department/program-specific and are not formally recognized academic credentials. Unlike Major Concentrations, Areas of Specialization do not appear on the student's official academic transcript, etc.

### CIP Code and Description<sup>1</sup>

- CSCI Major/Program: CIP Code/Title: 30.2501 - Cognitive Science

\* *Systems Use Only: this information is used solely by internal offices at Rice University (such as OTR, GPS, etc.) and primarily within student information systems and support.*

<sup>1</sup> Classification of Instructional Programs (CIP) 2020 Codes and Descriptions from the National Center for Education Statistics: <https://nces.ed.gov/ipeds/cipcode/>