To receive a minor from the Department of Cognitive Science:

- Student must complete a total of 7 (four-unit) courses; five of which must be upper-division.
- All courses must be taken for letter grade, with at least a "C-" earned in each one.

We suggest the following courses to give you the best understanding of the discipline of Cognitive Science:

### LOWER-DIVISION REQUIREMENTS:

- Choose **ONE** from this group:
  - Cogs 1: Introduction to Cognitive Science
  - Cogs 3: An Introduction to Computing
  - Cogs 10: Cognitive Consequences of Technology
  - Cogs 11: Introduction to Cognitive Science: Minds & Brains

- **AND**

- Choose **ONE** from this group:
  - Cogs 14: Design and Analysis of Experiments
  - Cogs 17: Neurobiology of Cognition
  - Cogs 18: Introduction to C Programming for Cognitive Modeling

### UPPER-DIVISION REQUIREMENTS:

- Choose **ONE 3-COURSE sequence**:
  - Cogs 101 A-B-C: Fundamental Cognitive Phenomena
  - Cogs 102 A-B-C: Distributed Cognition, Cognitive Ethnography and Engineering
  - Cogs 107 A-B-C: Cognitive Neuroscience
  - Cogs 109, 118 A-B: Modeling and Data Analysis, Natural Computation

- **AND**

- Choose **2 additional upper-division electives from the department**:
  - Note: see approved list of Electives for Minor

- Cogs UD Elective: __________
  - Cogs UD Elective: __________

### Approved List of Electives for Minor:

Upper division electives must be selected from within the Cognitive Science department. The following are approved electives for Cognitive Science Minor.

- Cogs 110: The Development Mind
- Cogs 115: Neurological Development & Cognitive Change
- Cogs 120: Human Computer Interaction
- Cogs 121: Human Computer Interaction Programming
- Cogs 143: Animal Cognition
- Cogs 151: Analogy and Conceptual Systems
- Cogs 152: Cognitive Foundations of Mathematics
- Cogs 153: Language Comprehension
- Cogs 154: Communication Disorders in Children & Adults
- Cogs 155: Gesture and Cognition
- Cogs 156: Language Development
- Cogs 160: Upper Division Seminar on Special Topics
- Cogs 170: Natural and Artificial Symbolic Representational Systems
- Cogs 172: Brain Disorders and Cognition
- Cogs 174: Drugs: Brain, Mind and Culture
- Cogs 175: The Neuropsychological Basis Alternate States of Consciousness
- Cogs 179: Electrophysiology of Cognition
- Cogs 184: Modeling the Evolution of Cognition
- Cogs 187A-B: Cognitive Aspects of Multimedia Design
- Cogs 188: Representation, Search, and the Web

**Note:**

- Includes any Cogs 101, Cogs 102, Cogs 107, Cogs109, Cogs 118A, and Cogs 118B course not used to satisfy the core sequence requirement.
- Only 1 course of Cogs 160 may be used as an elective to satisfy the requirements for the minor.

Regarding Programs of Concentration: Each college has specific requirements, and students should consult with an academic advisor in their provost’s office to be sure they fulfill requirements of the college.

Updated 12/2/10