

# Plan of Study

## Undergraduate Major in Cognitive Science

### General Requirements

- \_\_\_ 40 credits, no more than 21 in any one department  
 \_\_\_ General requirements for CLAS BA or BS degree

### I. Core Courses (16 credits)

- \_\_\_ COGS 2201 Foundations of Cognitive Science  
 \_\_\_ COGS 3584 Seminar in Cognitive Science

*Four of the following:*

- \_\_\_ ANTH 3002 Culture, Language, and Thought  
 \_\_\_ CSE 4705 Artificial Intelligence  
 \_\_\_ LING 2010Q The Science of Linguistics  
 \_\_\_ PHIL 3250/W Philosophy of Mind  
 \_\_\_ PSYC 2501 Cognitive Psychology

### II. Research (6 credits)

*Statistics (one of the following):*

- \_\_\_ PSYC 2100WQ Principles of Research in Psychology  
 \_\_\_ STAT 2215Q Introduction to Statistics II  
 \_\_\_ STAT 3025Q Statistical Methods (Calculus level)

*Research methods (one of the following):*

- \_\_\_ ANTH 3004 Cultural Research  
 \_\_\_ LING 3110 Experimental Linguistics  
 \_\_\_ PSYC 3250/W Lab in Animal Behavior & Learning  
 \_\_\_ PSYC 3251/W Lab in Physiological Psychology  
 \_\_\_ PSYC 3253 Sensory Neuroscience Lab  
 \_\_\_ PSYC 3450W Lab in Developmental Psychology  
 \_\_\_ PSYC 3550W Lab in Cognition  
 \_\_\_ PSYC 3551W Lab in Psycholinguistics  
 \_\_\_ PSYC 3552 Lab in Sensation and Perception

### III. Formal Systems Courses (3 credits)

- \_\_\_ CSE 2300W Digital Logic Design  
 \_\_\_ CSE 2500 Introduction to Discrete Systems  
 \_\_\_ CSE 3500 Algorithms and Complexity †  
 \_\_\_ CSE 3502 Theory of Computation †  
 \_\_\_ CSE 3802 Numerical Methods  
 \_\_\_ LING 3310Q Phonology †  
 \_\_\_ LING 3510Q Syntax and Semantics †  
 \_\_\_ Math 2210Q Applied Linear Algebra  
 \_\_\_ Math 2410Q Elementary Differential Equations  
 \_\_\_ Math 3160 Probability  
 \_\_\_ Math 3210 Abstract Linear Algebra  
 \_\_\_ Math 3230 Abstract Algebra  
 \_\_\_ Math 3412 Introduction to Field Theory  
 \_\_\_ PHIL 2211Q Symbolic Logic  
 \_\_\_ PHIL 3214 Symbolic Logic II

### IV. Advanced Courses (12 credits)

- *Must include courses from at least 3 departments.*
  - *Can include core courses not used to satisfy the Core Courses requirement.*
- \_\_\_ ANTH 3200 Human Behavioral Ecology  
 \_\_\_ ANTH 3250 Cognitive Anthropology  
 \_\_\_ CSE 3500 Algorithms and Complexity  
 \_\_\_ CSE 3502 Theory of Computation  
 \_\_\_ CSE 4095 (Special Topic) Natural Language Processing  
 \_\_\_ LING 3310Q Phonology  
 \_\_\_ LING 3510Q Syntax and Semantics  
 \_\_\_ LING 3610W Language and Culture  
 \_\_\_ PHIL 2210/W Metaphysics and Epistemology  
 \_\_\_ PHIL 2212/W Philosophy of Science  
 \_\_\_ PHIL 3241 Language: Meaning and Truth  
 \_\_\_ PHIL 3247/W Philosophy of Psychology  
 \_\_\_ PHIL 3249/W Philosophy of Neuroscience  
 \_\_\_ PHIL 3256/W Philosophy of Perception  
 \_\_\_ PNB 3251 Biology of the Brain  
 \_\_\_ PSYC 2200 Physiological Psychology  
 \_\_\_ PSYC 2400 Developmental  
 \_\_\_ PSYC 2500 Learning  
 \_\_\_ PSYC 3100/W History and Systems in Psychology  
 \_\_\_ PSYC 3470 Current Topics in Developmental Psych.\*  
 \_\_\_ PSYC 3500 Psychology of Language  
 \_\_\_ PSYC 3501 Sensation and Perception  
 \_\_\_ PSYC 3502 Psychology of Consciousness  
 \_\_\_ SLHS 2204 Speech and Language Acquisition  
 \_\_\_ SLHS 4245/W Neuroscience of Cognitive and Communication Disorders  
 \_\_\_ SLHS 4254/W Introduction to Language Disorders in Children

\* *Variable topics course, may only be counted towards major with advisors' consent*

*The writing in the major requirement is fulfilled by taking any of the W courses listed on this plan.*

### V. Electives (3-6 credits)

*One additional course (Two, if a † course is taken) from above lists, COGS 3589, COGS 3599, ANTH 4596W, or other related courses from any department.*

1. \_\_\_\_\_
2. \_\_\_\_\_

**VI. Signatures** Printed Student Name \_\_\_\_\_ Peoplesoft # \_\_\_\_\_

Student \_\_\_\_\_ Date \_\_\_\_\_ Advisor \_\_\_\_\_ Date \_\_\_\_\_

DUS, Cognitive Science \_\_\_\_\_ Date \_\_\_\_\_ Advisor \_\_\_\_\_ Date \_\_\_\_\_