

# 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 2100(W)Q Principles of Research in Psych.
- \_\_\_ 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 3410Q Semantics †
- \_\_\_ LING 3511Q Syntax †
- \_\_\_ 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 3410Q Semantics †
- \_\_\_ LING 3511Q Syntax †
- \_\_\_ 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.

No more than 6 transfer credits may be applied to plan.

All courses on plan must be passed with grade of C- (1.7) or higher.

### 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 \_\_\_\_\_