

Undergraduate Major in Cognitive Science

General Requirements

- ___ 39 credits, no more than 21 in any one department
- ___ General requirements for CLAS BA or BS degree

I. Core Courses (15 credits)

- ___ Cogs 2201 Foundations of 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
- ___ Stats 2215Q Introduction to Statistics II
- ___ Stats 3025Q Statistical Methods (Calculus level)

- Research methods (one of the following):*
- ___ Anth 3004 Cultural Research
- ___ Ling 3110 Experimental Linguistics
- ___ 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 3270 Theory of Computability †
- ___ 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 course requirement*
- ___ Anth 3200 Human Behavioral Ecology
- ___ Anth 3250 Cognitive Anthropology
- ___ CDIS 3202(W) Speech and Language Acquisition
- ___ CDIS 4244(W) Neurogenic Communication Disorders
- ___ CDIS 4253 Language Pathology in Children
- ___ 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
- ___ Math 3270 Theory of Computability***
- ___ 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
- ___ Psyc 3503 Computer Modeling of Cogn. Processes
- ___ Sci 2400 The Nature of Scientific Thought*
- ___ _____ Core course (not applied to Requirement I)
- * *Either Phil 2212W OR Sci 2400*
- ** *Variable topics course, may only be counted towards major with advisors' consent*
- *** *Either CSE 3502 OR Math 3270*

V. Electives (3-6 credits)

One additional course (Two, if a † course is taken) from above lists 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 _____