

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 201 Foundations of Cognitive Science

Four of the following:

- ___ Anth 244 Culture, Language, and Thought
- ___ CSE 282 Artificial Intelligence
- ___ Ling 202 Principles of Linguistics
- ___ Phil 250 Philosophy of Mind
- ___ Psych 256 Cognitive Psychology

II. Research (6 credits)

Statistics (one of the following):

- ___ Psych 202Q Principles of Research in Psychology
- ___ Stats 201Q Introduction to Statistics II
- ___ Stats 220Q Statistical Methods (Calculus level)

Research methods (one of the following):

- ___ Anth 268 Cultural Research
- ___ Ling 215 Experimental Linguistics
- ___ Psych 210W Lab in Cognition
- ___ Psych 211W Lab in Psycholinguistics
- ___ Psych 215W Lab in Sensation and Perception
- ___ Psych 232W Lab in Developmental Psychology
- ___ Psych 267 Lab in Physiological Psychology

III. Formal Systems Courses (3 credits)

- ___ CSE 237 Theory of Computation †
- ___ CSE 254 Introduction to Discrete Systems
- ___ CSE 257 Numerical Methods
- ___ CSE 259 Algorithms and Complexity †
- ___ Ling 205Q Phonology †
- ___ Ling 206Q Syntax and Semantics †
- ___ Math 211Q Elementary Differential Equations
- ___ Math 215Q Linear Algebra
- ___ Math 216Q Abstract Algebra
- ___ Math 227Q Applied Linear Algebra
- ___ Math 231Q Probability
- ___ Math 237Q Theory of Computability †
- ___ Math 279Q Introduction to Field Theory
- ___ Phil 211Q Symbolic Logic
- ___ Phil 214Q 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 232 Cognitive Anthropology
- ___ CSE 298 Natural Language Processing
- ___ CSE 237 Theory of Computation***
- ___ CSE 259 Algorithms and Complexity
- ___ CDIS 202(W) Speech and Language Acquisition**
- ___ CDIS 244W Neurogenic Communication Disorders
- ___ CDIS 253 Language Pathology in Children
- ___ Ling 205Q Phonology
- ___ Ling 206Q Syntax and Semantics
- ___ Ling 244W Language and Culture
- ___ Math 237Q Theory of Computability***
- ___ Phil 210 Metaphysics and Epistemology
- ___ Phil 212W Philosophy of Science*
- ___ Phil 241 Language: Meaning and Truth
- ___ Phil 247(W) Philosophy of Psychology
- ___ Phil 249(W) Philosophy of Neuroscience
- ___ Phil 256(W) Philosophy of Perception
- ___ PNB 251 Biology of the Brain
- ___ Psych 206 Consciousness
- ___ Psych 220 Learning
- ___ Psych 221 Psychology of Language
- ___ Psych 236 Developmental
- ___ Psych 239 Language Development**
- ___ Psych 254 Sensation and Perception
- ___ Psych 257 Physiological Psychology
- ___ Psych 260 Computer Modeling of Cogn. Processes
- ___ Psych 291 History and Systems in Psychology
- ___ Sci 240 The Nature of Scientific Thought*
- ___ ___ Core course (not applied to Requirement I)
- * Either Phil 212W OR Sci 240
- ** Either CDIS202(W) OR Psyc 239
- ***Either CSE 237 OR Math 237

V. Electives (3-6 credits)

One additional course (Two, if a † course is taken) from above lists or other related courses from any department, chosen with the approval of the advisors.

1. _____
2. _____

VI. Signatures

Printed Student Name _____ Peoplesoft # _____

Student _____ Date _____ Advisor _____ Date _____

DUS, Cognitive Science _____ Date _____ Advisor _____ Date _____