Plan of Study

Undergraduate Major in Cognitive Science

Revised: Sept. 2010

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†
___ 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 3100Q Phonology
___ Ling 3500Q 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 2241 Language: Meaning and Truth
___ Phil 2347(W) Philosophy of Psychology
___ Phil 2349(W) Philosophy of Neuroscience
___ Phil 2356(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 toward 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 ____________