Fall 2012 Courses for Cognitive Science Majors

Required for All Majors

050.101 Cognition

Courses for ‘Math’ Requirement

For Option A (“Any Two of the Following”)
110.106 Calculus I
110.107 Calculus II
110.108 Calculus I
110.109 Calculus II
110.202 Calculus III
110.201 Linear Algebra
150.218 Introduction to Symbolic Logic
550.171 Discrete Mathematics
550.291 Linear Algebra & Differential Equations

For Option B (Statistics Sequence)
550.111 Statistical Analysis I (required if Area A is a focal area)
550.112 Statistical Analysis II (required if Area A is a focal area)
200.207 Research Methods in Experimental Psychology [formerly Lab in the Analysis of Psychological Data] (required if Area A is a focal area)

Courses by Focal Area

Area A: Cognitive Psychology & Cognitive Neuropsychology
050.105 Intro to Cognitive Neuropsychology
050.204 Visual Cognition
050.333 Psycholinguistics
200.101 Intro to Psychology
200.132 Intro to Developmental Psychology

Area B: Linguistics
050.317 Semantics I
050.333 Psycholinguistics

Area C: Computational Approaches to Cognition
250.205 Introduction to Computing
500.200 Computing for Scientists & Engineers
600.107 Intro Programming Java
600.112 Intro to Programming for Scientists and Engineers
600.108 Intro Programming Lab
600.120 Intermediate Programming
600.226 Data Structures
600.361 Computer Vision

**Area D: Philosophy of Mind**
150.245 Introduction to Philosophy of Mind

**Area E: Neuroscience**
050.105 Intro to Cognitive Neuropsychology
050.204 Visual Cognition
080.105 Introduction to Neuroscience
080.250 Neuroscience Lab
080.305 Nervous System I
080.308 Neuroeconomics
080.345 Great Discoveries in Neuroscience
080.355 Visual System
080.360 Diseases & Disorders of the Nervous System
200.141 Foundations of Brain, Behavior and Cognition
200.312 Imaging the Human Mind

**Also of Interest**
080.318 Practicum in Language Disorders (1 credit). This course provides the opportunity to learn about adult aphasias; language disorders which are one of the most common consequences of stroke. You will receive training in Supportive Communication Techniques and work as a communication partner with an individual with aphasia for two hours per week. Three class meetings for orientation and reading assignments will be held on campus; training and practicum will be conducted at a local aphasia support center. Transportation required. Instructor’s approval required to register.