Spring 2014 Courses for Cognitive Science Majors

The following courses will be offered in Spring 2014 and meet course requirements for the Cognitive Science major. If you believe a course qualifies to be added to one of these lists, contact Sarah Ciotola, Academic Program Coordinator, at ciotola@cogsci.jhu.edu.

Math

For Option A (“Any two of the following”)

- AS.110.106 Calculus I
- AS.110.107 Calculus II (bio & social science)
- AS.110.109 Calculus II (physical science & engineering)
- AS.110.201 Linear Algebra
- AS.110.202 Calculus III
- AS.150.118 Introduction to Formal Logic
- EN.550.171 Discrete Mathematics
- EN.550.211 Probability & Statistics for the Life Sciences
- EN.550.291 Linear Algebra & Differential Equations

For Option B (“Statistics sequence”)

Required if Area A is one of your focal areas

- AS.200.207 Research Methods in Experimental Psychology (not offered)*
- EN.550.111 Statistical Analysis I
- EN.550.112 Statistical Analysis II

Courses by Focal Area

Area A: Cognitive Psychology & Cognitive Neuropsychology

- AS.050.102 Language and Mind
- AS.050.203 Cognitive Neuroscience (AS.080.203)
- AS.050.315 Cognitive Neuropsychology of Visual Perception
- AS.050.339 Cognitive Development
- AS.200.110 Intro to Cognitive Psychology
- AS.200.211 Sensation & Perception
- AS.200.336 Foundations of Mind*
- AS.376.372 Intro to Music Cognition II***

Area B: Linguistics

- AS.050.102 Language and Mind
- AS.050.320 Syntax I
- AS.050.325 Phonology I*

Area C: Computational Approaches to Cognition

- AS.050.326 Foundations of Cognitive Science
- AS.250.205 Intro to Computing
- EN.520.415 Image Process & Analysis II
- EN.550.426 Intro to Stochastic Processes
- EN.600.107 Intro Programming Java
- EN.600.108 Intro Programming Lab (1 credit)
- EN.600.120 Intermediate Programming
- EN.600.226 Data Structures
- EN.600.271 Automata & Computer Theory
- EN.600.335 Artificial Intelligence
- EN.600.363 Intro to Algorithms
- EN.600.435 Artificial Intelligence
- EN.600.436 Algorithms for Sensor-Based Robotics
- EN.600.463 Algorithms I
- EN.600.475 Machine Learning

Area D: Philosophy of Mind

- AS.050.326 Foundations of Cognitive Science
- AS.200.336 Foundations of Mind

Area E: Neuroscience

- AS.050.203 Cognitive Neuroscience (AS.080.203)
- AS.050.315 Cognitive Neuropsychology of Visual Perception
- AS.080.250. Neuroscience Lab
- AS.080.306 The Nervous System II
- AS.080.320 The Auditory System
- AS.080.330 Brain Injury & Recovery (withdrawn)*
- AS.200.141 Foundations of Brain, Behavior, & Cognition
- AS.200.304 Neuroscience of Decision Making
- AS.200.368 Altered States of Consciousness
- AS.200.370 Functional Human Neuroanatomy**
- AS.200.376 Psychopharmacology

Also of Interest

AS.050.318 (AS.080.400) Practicum in Language Disorders (2 credits) 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. Junior or senior status required. Students must have an A- or better in AS.080.203 OR AS.050.203, OR AS.050.105. Please see additional information on the Neuroscience Department website at: http://krieger.jhu.edu/neuroscience/courses/index.html.