NEW MINOR IN COGNITIVE SCIENCE

Requirements:

Five courses, with at least two at the upper level, which must include the following:

(i) The Foundational Course:

COG 100: Introduction to Cognitive Science

An introduction to the methods and central concepts in the scientific study of intelligent thought and behavior in humans, other animals, and machines. Cognitive science is an exciting and rapidly developing multidisciplinary field that applies approaches from philosophy, computer science, psychology, neuroscience, and linguistics to problems about perception, representation, recognition, learning, and language.

(ii) A Methods Course (one course from the following):

PSYC 212   Perception and Cognition*
MATH 220   Discrete Mathematics
PHIL 102   Elementary Symbolic Logic
PSYC 227   Statistics for the Natural Sciences

(iii) Three classes from the following, with at least two outside a student’s major:

CS 338   Artificial Intelligence
CS 357   Models of Computing
PHIL 311   Philosophy of Mind
PHIL 340   Philosophy of Language
PHIL/MATH/CS 360   Topics in Logic
PSYC 212   Perception and Cognition*
PSYC 312   Experimental Research in Cognitive Psychology
PSYC 213   Neuroscience
MATH 300   Mathematical Modeling
MATH 311   Parallel Computing
BIO 407   Neurophysiology
COG 395   Independent Study in Cognitive Science

(Special Topics classes and Independent Studies/Honors Projects in a variety of disciplines may be counted upon approval of the Cognitive Science Program Coordinator.)

1. Senior Seminar

Possible addition to the above requirements, if and when future staffing resources and student demand permits.

* Note that PSYC 212 may be used to satisfy either requirement ii or iii, but not both.