



Wells College

Name: _____

Advisor: _____

Major: _____

Graduation Year: _____

Cognitive and Brain Sciences Minor

This interdisciplinary minor provides a focused study of the cognitive products of biological and non-biological computational systems (e.g., humans and computers) including perception, attention, learning, memory, language, reasoning, decision making, problem solving, creativity, and action, as well as the instantiation of these functions in neural 'hardware'. A course in the philosophy of knowledge and belief provides a philosophical basis for understanding the epistemological questions shared by the various fields that make up the cognitive and brain sciences (e.g., biology, computer science, and psychology). Coursework across the disciplines allows for an examination and exploration of these issues at different levels of analysis and explanation (concrete to abstract).

The total number of courses required for the minor is 7 (21-24 semester hours).

Requirements:

All of the following (9 sem. hrs.)

- PSY 101 General Psychology (3 sem. hrs.)
- PSY 343 Neuropsychology (3 sem. hrs.)
- PSY 347 Cognitive Psychology (3 sem. hrs.)

Two of the following (7-8 sem. hrs.)

- BIOL 114L Anatomy and Physiology (4 sem. hrs.)
- CS 131 Programming I: Procedural Methods (4 sem. hrs.)
- PHIL 325 Belief and Knowledge (3 sem. hrs.)
- OR PHIL 331 Mind (3 sem. hrs.)

One course from the following (3 sem. hrs.)

- PSY 340 Psycholinguistics (3 sem. hrs.)
- PSY 349 Cognition and Culture (3 sem. hrs.)
- PSY 370 Sensation and Perception (3 sem. hrs.)

One course from the following (3-4 sem. hrs.)

- BIOL 324L Animal Behavior (4 sem. hrs.)
- PSY 242 Drugs and Behavior (3 sem. hrs.)
- PSY 342 Biological Bases of Behavior (3 sem. hrs.)