

Cognitive Science Minor

The Cognitive Science Minor is directed by the Philosophy Department. To officially declare the minor, contact the Philosophy department.

Cognitive Science @ Hofstra

Cognitive science is a cross-disciplinary research effort dedicated to understanding the mind. It investigates the nature of cognition, perception, feeling and action. Typical research in cognitive science might involve empirical study of intelligent behavior, computational modeling of some aspect of cognition or consciousness, or conceptual inquiry into the foundations of our ideas about the mind. Hence its methods are as wide-ranging as the disciplines that make it up. These include philosophy, psychology, computer science, linguistics, mathematics and the neurosciences. Cognitive scientists also work in such disciplines as the academic study of religion, speech, anthropology, literature, history, biology, law, and business.

Programs and Offerings

Currently Cognitive Science is an interdisciplinary program based in the Hofstra College of Liberal Arts and Sciences, and directed by Professor Anthony Dardis of the Department of Philosophy.

The Cognitive Science program offers a minor in Cognitive Science, and an interdisciplinary "Introduction to Cognitive Science" course (CGS 10).

The minor in Cognitive Science

The minor consists of the completion of 18 semester hours of required and elective courses, to be selected under advisement from the Cognitive Science advisor, meeting the following restrictions: (1) the student must major in one of the disciplines represented in the "Electives" list below; (2) at least four courses (including CGS 10) must be taken outside the student's major department (note that some courses may have prerequisites); (3) electives must be drawn from at least 2 of the departments represented in the "Electives" list below other than the student's major department; (4) no more than 6 s.h. taken for this minor may count toward satisfying the requirements for any other minor. At least 6 s.h. must be taken in residence. A grade of C or better is required in each course.

A. Required

- CGS 10 Introduction to Cognitive Science, 3 s.h.

B. Electives

15 s.h. chosen from the list below, subject to the restrictions listed above:

- BIO 142 Neurobiology
- CSC 14 Discrete Structures for Computer Science I, 3 s.h.
- CSC 24 Discrete Structures for Computer Science II, 3 s.h.
- CSC 143 Independent Study Projects in Computer Science and Computer Engineering, 3 s.h.
- CSC 145 Special Topics in Computer Science, 1-3 s.h.
- CSC 158 Introduction to Artificial Intelligence, 3 s.h.
- CSC 161 Introduction to Automata Theory, 3 s.h.
- LING 101 Introduction to Linguistics, 3 s.h.
- LING 171 Sociolinguistics, 3 s.h.
- MATH 114 Introduction to Higher Mathematics
- PHI 152 Scientific Reasoning, 3 s.h.
- PHI 154 Introduction to Symbolic Logic, 3 s.h.
- PHI 161 Philosophy of Science, 3 s.h.
- PHI 164 Philosophy of Mind, 3 s.h.
- PHI 165 Philosophy of Language, 3 s.h.
- PHI 183/4 Seminar, 3 s.h.
- PSY 141 Research Methods and Design, 4 s.h.
- PSY 164 Cognition, 3 s.h.
- PSY 166 Sensation and Perception, 3 s.h.
- PSY 170 Clinical Neuropsychology, 3 s.h.
- PSY 171 History of Psychology, 3 s.h.
- PSY 177 Biopsychology, 3 s.h.
- PSY 190 Research Seminar: Cognitive Psychology, 4 s.h.
- PSY 194 Research Seminar: Biosychology, 4 s.h.
- SPCH 101 Experimental Psycholinguistics, 3 s.h.
- SPCH 102 Normal Language Development, 3 s.h.