

Requirements for the Cognitive Science Major

Lower-Division Required Courses:

CSCI1301-1301L Introduction to Computing and Programming

MATH 1113 Precalculus is a pre-requisite for this class.

LING2100 The Study of Language

PHIL2010 Introduction to Philosophy

PHIL2500 Symbolic Logic

PSYC1101 Elementary Psychology

STAT2000 Introductory Statistics

Upper-Division Required Courses:

PHIL/ARTI/PSYC 3550 Introduction to Cognitive Science

PSYC 4100* Cognitive Psychology

And one of the following:

LING/ENGL 3150 Generative Syntax

ARTI/PHIL 4550 Artificial Intelligence

Foundation Areas / Major Electives:

Majors will choose two of the following foundation areas and take at least two classes in each of those areas. Majors are required to take five total courses in the foundation areas with at least 12 of those credit hours being upper-division.

Artificial Intelligence Foundations Area:

CSCI 2670 Introduction to Theory of Computing

CSCI 2720 Data Structures

CSCI 3360 Data Science I

CSCI 4330 Artificial Intelligence and the Web

CSCI 4380 Data Mining

ARTI/CSCI 4530 Introduction to Robotics

ARTI/CSCI 4540 Symbolic Programming

CSCI/PHIL 4550 Artificial Intelligence

CSCI 4560 Evolutionary Computation

CSCI 4800 Human-Computer Interaction

PHIL/LING 4510 Deductive Systems

Philosophical Foundations Area:

PHIL 3510 Topics in Symbolic Logic

PHIL 3610 Theory of Knowledge

PHIL/EECP 4250 Philosophy of Technology

PHIL/LING 4300 Philosophy of Language

PHIL 4310 Philosophy of Mind

PHIL/LING 4510 Deductive Systems

PHIL/LING 4520 Model Theory

PHIL/CSCI 4550 Artificial Intelligence

Psychological Foundations Area:

CBIO/BIOL 3800 Neurobiology

EPSY 3010S Child and Adolescent Development

ERSH 4300 Applied Statistical Methods in Education

PSYC 3980 Research Design in Psychology

PSYC 4110* Learning

PSYC 4120* Sensation and Perception

PSYC 4130* Physiological and Comparative Psychology

PSYC 4140* Cognitive Neuroscience

PSYC 5240* Judgment and Decision Making

Language and Cultural Foundations Area:

ENGL 4826 Style: Language, Genre, Cognition

ENGL/LING 4886 Text and Corpus Analysis

LING 3060 Phonetics and Phonology

LING/CMSD 3120 Language Development

LING/ENGL 3150 Generative Syntax

LING 3350 Language Mind and Brain

LING 4022 Advanced Phonetics and Phonology

LING/ENGL 4080 Language Variation and Linguistics of Speech

LING /EPSY 4130 Psychology of Language

LING 4160 Compositional Semantics

LING 4400 Quantitative Methods in Linguistics

LING/CMLT 4740 Discourse Analysis

PHIL/LING 4300 Philosophy of Language

PHIL/LING 4510 Deductive Systems

**Majors may take these classes without the PSYC 3980 and 3990 pre-requisites*

No single class may be used to satisfy multiple requirements.

Students must earn a grade of "C" (2.0) or better in major required courses.