

# PROGRAM PLANNER FOR COGNITIVE SCIENCE HONORS 2011

## BA REQUIREMENTS

A GPA of 3.0 in all courses in the cognitive science program is required for entrance and continuation in this program. Those interested in the honors program should consult the advisor or the director for the Cognitive Science Program.

Two options are available: Option A and Option B.

## OPTION A

A student must fulfill the requirements for a major in cognitive science and choose the courses listed below for **one of the disciplines**, and complete:

- COGS 490-5 Honors Project I
- COGS 491-5 Honors Project II

### *Computing Science*

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Students must complete one of the following courses which has not been taken previously:

- CMPT 379-3 Principles of Compiler Design
- CMPT 383-3 Comparative Programming Languages
- CMPT 384-3 Symbolic Computing
- MACM 300-3 Introduction to Formal Languages and Automata with Applications

Plus any three of the following courses which have not been taken previously:

- CMPT 310-3 Artificial Intelligence Survey
- CMPT 411-3 Knowledge Representation
- CMPT 412-3 Computational Vision
- OR**  CMPT 414-3 Model-based Computer Vision
- CMPT 413-3 Computational Linguistics
- CMPT 417-3 Intelligent Systems
- CMPT 418-3 Computational Cognitive Architecture
- CMPT 419-3 Special Topics in Artificial Intelligence

### *Linguistics*

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Students must complete any four of the following courses which have not been taken previously:

- LING 400-3 Formal Linguistics
- LING 401-3 Topics in Phonetics
- LING 403-3 Topics in Phonology
- LING 405-3 Topics in Syntax
- LING 406-3 Topics in Semantics
- LING 423-3 Topics in Morphology
- LING 480-3 Topics in Linguistics I \*
- LING 481-3 Topics in Linguistics II \*

\* relevant topics include  
discourse analysis,  
functional linguistics,  
language and the brain,  
computational linguistics

## *Philosophy*

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Students must complete any four of the following courses which have not been taken previously:

- PHIL 302-3 Topics in Epistemology and Metaphysics
- PHIL 310-3 Modal Logic and its Applications
- PHIL 314-3 Topics in Logic I
- PHIL 341-3 Philosophy of Science
- PHIL 343-3 Philosophy of Mind
- PHIL 344-3 Philosophy of Language I
- PHIL 444-4 Philosophy of Language II

or any Topics course approved by the Cognitive Science Advisor.

## *Psychology*

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Any three of the following courses which have not been taken previously:

- PSYC 303-3 Perception
- PSYC 330-3 Attention
- PSYC 430-4 Selected Topics in Cognition I
- PSYC 432-4 Selected Topics in Cognition II
- PSYC 480-4 Selected Topics in Biological Psychology I
- PSYC 482-4 Selected Topics in Biological Psychology II

## **OPTION B**

In addition to fulfilling the requirements for a major, choose **any course combination** listed above totaling at least **11 credit hours** accepted by the cognitive science steering committee, and **COGS 490 and 491**.