

# PROGRAM PLANNER FOR COGNITIVE SCIENCE MINOR

2011

## LOWER DIVISION (21 – 31 credit hours)

A student must take:

- COGS 100-3 Exploring the Mind (**B-Hum/Soc/Sci**)
- COGS 200-3 Foundations in Cognitive Science

A student must fulfill the requirements for **two** of the four disciplines listed below\*:

### (a) Computing Science:

- ONE OF:**
- CMPT 125-3 Introduction to Computing Science and Programming II (**Q**)
- CMPT 126-3 Introduction to Computing Science and Programming (**Q, B-Sci**)
- CMPT 225-3 Data Structures and Programming (**Q**)
- MACM 101-3 Discrete Mathematics I (**Q, B-Sci**)

### (b) Linguistics:

- LING 220-3 Introduction to Linguistics
- ONE OF:**
- LING 221-3 Introduction to Phonetics and Phonology
- LING 222-3 Introduction to Syntax

### (c) Philosophy:

- PHIL 100-3 Knowledge and Reality (**W, B-Hum**)
- PHIL 201-3 Epistemology
- PHIL 210-3 Natural Deductive Logic (**Q**)

### (d) Psychology:

- PSYC 100-3 Introduction to Psychology I (**B-Soc**)
- PSYC 102-3 Introduction to Psychology II (**B-Soc**)
- PSYC 201-4 Introduction to Research Methods in Psychology (**W, Q**)
- PSYC 221-3 Introduction to Cognitive Psychology
- PSYC 280-3 Introduction to Biological Psychology (**B-Sci**)

## UPPER DIVISION (15 – 16 credit hours)

Students must complete:

- COGS 300-3 Selected Topics in Cognitive Science
- COGS 310-3 Consciousness

Plus select **three** upper division courses, at least one in each of the two disciplines selected previously at the lower division level:

### (a) Computing Science

- 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

### (b) Linguistics

- LING 321-3 Phonology
- LING 322-3 Syntax
- LING 324-3 Semantics (**Q**)
- LING 330-3 Phonetics
- LING 350-3 First Language Acquisition

### (c) Philosophy

- PHIL 302-3 Topics in Epistemology and Metaphysics
- PHIL 310-3 Modal Logic and its Applications (**Q**)
- 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 (**W**)

### (d) Psychology

- PSYC 303-3 Perception
- PSYC 325-4 Memory and Mind
- PSYC 330-3 Attention
- PSYC 335-3 Sensation
- PSYC 382-3 Cognitive Neuroscience
- PSYC 383-3 Psychopharmacology
- PSYC 385-3 Evolutionary Psychology

\* when provided with a choice between **two different 200-level courses**, students should consider which course can be used as a **pre-requisite** for a subsequent upper division course