Cognitive Science

A Co-operative Education Option is available. See the Co-operative Education section of this Calendar.

Graduation Requirements

In addition to the requirements listed below, students must satisfy:

- 1. the University regulations (see the *Academic Regulations of the University* section of this Calendar),
- 2. the University regulations including the process of Academic Performance Evaluation (see the *Academic Regulations of the University* section of this Calendar).

Students should consult the Undergraduate Co-ordinator when planning their program and selecting courses.

Program Requirements

Cognitive Science with Specialization in Philosophical and Conceptual Issues Bachelor of Cognitive Science Honours (20.0 credits)

1.	1.0 credit from:		1.0
	FYSM 1607 [1.0]	Cognitive Science: Thinking and Knowing	
	FYSM 1400 [1.0]	Cognition: A Scientific Exploration of the Mind	
	CGSC 1001 [0.5]	Mysteries of the Mind	
	PHIL 1301 [0.5]	Mind, World, and Knowledge	
2.	1.0 credit in:		1.0
	CGSC 2001 [0.5]	Introduction to Cognitive Science	
	CGSC 2002 [0.5]	Theories and Methods in Cognitive Science	
3.	1.0 credit in:		1.0
	CGSC at the 3000-	level or higher	
4.	0.5 credit in:		0.5
	COMP 1005 [0.5]	Introduction to Computer Science I	
5.	0.5 credit from:		0.5
	CGSC 4001 [0.5]	Artificial Intelligence for Cognitive Scientists	
	COMP 4106 [0.5]	Artificial Intelligence	
6.	0.5 credit in:		0.5
	LING 1001 [0.5]	Introduction to Linguistics I	
7.	1.0 credit in:		1.0
	LING 2005 [0.5]	Linguistic Analysis I	
	LING 2007 [0.5]	Phonetics	
8.	0.5 credit from:		0.5
	PHIL 2501 [0.5]	Introduction to Philosophy of Mind	
	PHIL 3502 [0.5]	Mind and Action	
9.	0.5 credit from:		0.5
	PHIL 2001 [0.5]	Introduction to Logic	
	PHIL 2520 [0.5]	Introduction to Philosophical Logic	
10	0.5 credit from:		0.5
	PHIL 2301 [0.5]	Introduction to the Philosophy of Science	
	PHIL 2504 [0.5]	Language and Communication	

PHIL 3104 [0.5]	The Roots of Analytic Philosophy	
PHIL 3301 [0.5]	Issues in the Philosophy of Science	
PHIL 3306 [0.5]	Symbolic Logic	
PHIL 3501 [0.5]	Philosophy of Cognitive Science	
PHIL 3502 [0.5]	Mind and Action	
PHIL 3504 [0.5]	Pragmatics	
PHIL 3506 [0.5]	Semantics	
PHIL 3530 [0.5]	Philosophy of Language	
CGSC 3004 [0.5]	Philosophy and Cognitive Science	
11. 2.0 credits in:		2.0
PSYC 1001 [0.5]	Introduction to Psychology I	
PSYC 1002 [0.5]	Introduction to Psychology II	
PSYC 2001 [0.5]	Introduction to Research Methods in Psychology	
PSYC 2700 [0.5]	Introduction to Cognitive Psychology	
12. 0.5 credit from:	,	0.5
NEUR 2200 [0.5]	Biological Foundations of Behaviour	
PSYC 2307 [0.5]	Human Neuropsychology I	
13. 1.5 credits from:		1.5
a. Thesis Stream		1.0
CGSC 3908 [0.5]	Honours Seminar in Cognitive	
	Science	
CGSC 4908 [1.0]	Honours Thesis	
OR		
b. Coursework Str		
i. 1.5 credit at the 3 LING, NEUR, PHIL	000 level or higher in CGSC, COMP, , or PSYC	
14. 4.5 credits in the	specialization:	4.5
a. 4.0 credits from:	specialization:	4.5
	Introduction to the Philosophy of Science	4.5
a. 4.0 credits from:	Introduction to the Philosophy of	4.5
a. 4.0 credits from: PHIL 2301 [0.5]	Introduction to the Philosophy of Science	4.5
a. 4.0 credits from: PHIL 2301 [0.5] PHIL 2504 [0.5]	Introduction to the Philosophy of Science Language and Communication	4.5
a. 4.0 credits from: PHIL 2301 [0.5] PHIL 2504 [0.5] PHIL 2540 [0.5]	Introduction to the Philosophy of Science Language and Communication Personal Identity and the Self	4.5
a. 4.0 credits from: PHIL 2301 [0.5] PHIL 2504 [0.5] PHIL 2540 [0.5] PHIL 3104 [0.5] PHIL 3140 [0.5]	Introduction to the Philosophy of Science Language and Communication Personal Identity and the Self The Roots of Analytic Philosophy Epistemology	4.5
a. 4.0 credits from: PHIL 2301 [0.5] PHIL 2504 [0.5] PHIL 2540 [0.5] PHIL 3104 [0.5] PHIL 3140 [0.5] PHIL 3301 [0.5]	Introduction to the Philosophy of Science Language and Communication Personal Identity and the Self The Roots of Analytic Philosophy Epistemology Issues in the Philosophy of Science	4.5
a. 4.0 credits from: PHIL 2301 [0.5] PHIL 2504 [0.5] PHIL 2540 [0.5] PHIL 3104 [0.5] PHIL 3140 [0.5] PHIL 3301 [0.5] PHIL 3306 [0.5]	Introduction to the Philosophy of Science Language and Communication Personal Identity and the Self The Roots of Analytic Philosophy Epistemology Issues in the Philosophy of Science Symbolic Logic	4.5
a. 4.0 credits from: PHIL 2301 [0.5] PHIL 2504 [0.5] PHIL 2540 [0.5] PHIL 3104 [0.5] PHIL 3140 [0.5] PHIL 3301 [0.5] PHIL 3306 [0.5] PHIL 3501 [0.5]	Introduction to the Philosophy of Science Language and Communication Personal Identity and the Self The Roots of Analytic Philosophy Epistemology Issues in the Philosophy of Science	4.5
a. 4.0 credits from: PHIL 2301 [0.5] PHIL 2504 [0.5] PHIL 2540 [0.5] PHIL 3104 [0.5] PHIL 3140 [0.5] PHIL 3301 [0.5] PHIL 3306 [0.5] PHIL 3501 [0.5] PHIL 3502 [0.5]	Introduction to the Philosophy of Science Language and Communication Personal Identity and the Self The Roots of Analytic Philosophy Epistemology Issues in the Philosophy of Science Symbolic Logic Philosophy of Cognitive Science Mind and Action	4.5
a. 4.0 credits from: PHIL 2301 [0.5] PHIL 2504 [0.5] PHIL 2540 [0.5] PHIL 3104 [0.5] PHIL 3140 [0.5] PHIL 3301 [0.5] PHIL 3501 [0.5] PHIL 3502 [0.5] PHIL 3504 [0.5]	Introduction to the Philosophy of Science Language and Communication Personal Identity and the Self The Roots of Analytic Philosophy Epistemology Issues in the Philosophy of Science Symbolic Logic Philosophy of Cognitive Science	4.5
a. 4.0 credits from: PHIL 2301 [0.5] PHIL 2504 [0.5] PHIL 2540 [0.5] PHIL 3104 [0.5] PHIL 3140 [0.5] PHIL 3301 [0.5] PHIL 3501 [0.5] PHIL 3502 [0.5] PHIL 3504 [0.5] PHIL 3506 [0.5]	Introduction to the Philosophy of Science Language and Communication Personal Identity and the Self The Roots of Analytic Philosophy Epistemology Issues in the Philosophy of Science Symbolic Logic Philosophy of Cognitive Science Mind and Action Pragmatics Semantics	4.5
a. 4.0 credits from: PHIL 2301 [0.5] PHIL 2504 [0.5] PHIL 2540 [0.5] PHIL 3104 [0.5] PHIL 3140 [0.5] PHIL 3301 [0.5] PHIL 3501 [0.5] PHIL 3502 [0.5] PHIL 3504 [0.5]	Introduction to the Philosophy of Science Language and Communication Personal Identity and the Self The Roots of Analytic Philosophy Epistemology Issues in the Philosophy of Science Symbolic Logic Philosophy of Cognitive Science Mind and Action Pragmatics Semantics Philosophy of Language Seminar in philosophy of Language	4.5
a. 4.0 credits from: PHIL 2301 [0.5] PHIL 2504 [0.5] PHIL 2540 [0.5] PHIL 3104 [0.5] PHIL 3140 [0.5] PHIL 3301 [0.5] PHIL 3306 [0.5] PHIL 3501 [0.5] PHIL 3502 [0.5] PHIL 3506 [0.5] PHIL 3506 [0.5] PHIL 3530 [0.5]	Introduction to the Philosophy of Science Language and Communication Personal Identity and the Self The Roots of Analytic Philosophy Epistemology Issues in the Philosophy of Science Symbolic Logic Philosophy of Cognitive Science Mind and Action Pragmatics Semantics Philosophy of Language Seminar in philosophy of Language or Linguistics Seminar in philosophy of Mind or	4.5
a. 4.0 credits from: PHIL 2301 [0.5] PHIL 2504 [0.5] PHIL 2540 [0.5] PHIL 3104 [0.5] PHIL 3140 [0.5] PHIL 3301 [0.5] PHIL 3501 [0.5] PHIL 3502 [0.5] PHIL 3504 [0.5] PHIL 3506 [0.5] PHIL 3506 [0.5] PHIL 3530 [0.5] PHIL 4210 [0.5] PHIL 4220 [0.5]	Introduction to the Philosophy of Science Language and Communication Personal Identity and the Self The Roots of Analytic Philosophy Epistemology Issues in the Philosophy of Science Symbolic Logic Philosophy of Cognitive Science Mind and Action Pragmatics Semantics Philosophy of Language Seminar in philosophy of Language or Linguistics Seminar in philosophy of Mind or Cognition	4.5
a. 4.0 credits from: PHIL 2301 [0.5] PHIL 2504 [0.5] PHIL 2540 [0.5] PHIL 3104 [0.5] PHIL 3140 [0.5] PHIL 3301 [0.5] PHIL 3306 [0.5] PHIL 3502 [0.5] PHIL 3504 [0.5] PHIL 3504 [0.5] PHIL 3506 [0.5] PHIL 3530 [0.5] PHIL 3530 [0.5] PHIL 3530 [0.5]	Introduction to the Philosophy of Science Language and Communication Personal Identity and the Self The Roots of Analytic Philosophy Epistemology Issues in the Philosophy of Science Symbolic Logic Philosophy of Cognitive Science Mind and Action Pragmatics Semantics Philosophy of Language Seminar in philosophy of Language or Linguistics Seminar in philosophy of Mind or	4.5
a. 4.0 credits from: PHIL 2301 [0.5] PHIL 2504 [0.5] PHIL 2540 [0.5] PHIL 3104 [0.5] PHIL 3140 [0.5] PHIL 3301 [0.5] PHIL 3501 [0.5] PHIL 3502 [0.5] PHIL 3504 [0.5] PHIL 3506 [0.5] PHIL 3506 [0.5] PHIL 3530 [0.5] PHIL 4210 [0.5] PHIL 4220 [0.5]	Introduction to the Philosophy of Science Language and Communication Personal Identity and the Self The Roots of Analytic Philosophy Epistemology Issues in the Philosophy of Science Symbolic Logic Philosophy of Cognitive Science Mind and Action Pragmatics Semantics Philosophy of Language Seminar in philosophy of Language or Linguistics Seminar in philosophy of Mind or Cognition Seminar in Metaphysics, Epistemology, or Philosophy of	4.5
a. 4.0 credits from: PHIL 2301 [0.5] PHIL 2504 [0.5] PHIL 2540 [0.5] PHIL 3104 [0.5] PHIL 3140 [0.5] PHIL 3301 [0.5] PHIL 3501 [0.5] PHIL 3502 [0.5] PHIL 3504 [0.5] PHIL 3506 [0.5] PHIL 3506 [0.5] PHIL 4210 [0.5] PHIL 4220 [0.5] PHIL 4230 [0.5]	Introduction to the Philosophy of Science Language and Communication Personal Identity and the Self The Roots of Analytic Philosophy Epistemology Issues in the Philosophy of Science Symbolic Logic Philosophy of Cognitive Science Mind and Action Pragmatics Semantics Philosophy of Language Seminar in philosophy of Language or Linguistics Seminar in philosophy of Mind or Cognition Seminar in Metaphysics, Epistemology, or Philosophy of Science Special Topic in Philosophy of Computing Special Topic in Philosophy of	4.5
a. 4.0 credits from: PHIL 2301 [0.5] PHIL 2504 [0.5] PHIL 2540 [0.5] PHIL 3104 [0.5] PHIL 3140 [0.5] PHIL 3306 [0.5] PHIL 3501 [0.5] PHIL 3502 [0.5] PHIL 3504 [0.5] PHIL 3506 [0.5] PHIL 3506 [0.5] PHIL 4210 [0.5] PHIL 4220 [0.5] PHIL 4230 [0.5] PHIL 4230 [0.5] PHIL 4503 [0.5]	Introduction to the Philosophy of Science Language and Communication Personal Identity and the Self The Roots of Analytic Philosophy Epistemology Issues in the Philosophy of Science Symbolic Logic Philosophy of Cognitive Science Mind and Action Pragmatics Semantics Philosophy of Language Seminar in philosophy of Language or Linguistics Seminar in philosophy of Mind or Cognition Seminar in Metaphysics, Epistemology, or Philosophy of Science Special Topic in Philosophy of Computing	4.5
a. 4.0 credits from: PHIL 2301 [0.5] PHIL 2504 [0.5] PHIL 2540 [0.5] PHIL 3104 [0.5] PHIL 3140 [0.5] PHIL 3306 [0.5] PHIL 3501 [0.5] PHIL 3502 [0.5] PHIL 3504 [0.5] PHIL 3506 [0.5] PHIL 3506 [0.5] PHIL 4210 [0.5] PHIL 4220 [0.5] PHIL 4230 [0.5] PHIL 4230 [0.5]	Introduction to the Philosophy of Science Language and Communication Personal Identity and the Self The Roots of Analytic Philosophy Epistemology Issues in the Philosophy of Science Symbolic Logic Philosophy of Cognitive Science Mind and Action Pragmatics Semantics Philosophy of Language Seminar in philosophy of Language or Linguistics Seminar in philosophy of Mind or Cognition Seminar in Metaphysics, Epistemology, or Philosophy of Science Special Topic in Philosophy of Computing Special Topic in Philosophy of Computing Special Topic in Philosophy of Computing Semantics II	4.5
a. 4.0 credits from: PHIL 2301 [0.5] PHIL 2504 [0.5] PHIL 2540 [0.5] PHIL 3104 [0.5] PHIL 3140 [0.5] PHIL 3301 [0.5] PHIL 3501 [0.5] PHIL 3502 [0.5] PHIL 3504 [0.5] PHIL 3506 [0.5] PHIL 3506 [0.5] PHIL 4210 [0.5] PHIL 4220 [0.5] PHIL 4230 [0.5] PHIL 4503 [0.5] PHIL 4504 [0.5]	Introduction to the Philosophy of Science Language and Communication Personal Identity and the Self The Roots of Analytic Philosophy Epistemology Issues in the Philosophy of Science Symbolic Logic Philosophy of Cognitive Science Mind and Action Pragmatics Semantics Philosophy of Language Seminar in philosophy of Language or Linguistics Seminar in philosophy of Mind or Cognition Seminar in Metaphysics, Epistemology, or Philosophy of Science Special Topic in Philosophy of Computing Special Topic in Philosophy of Computing Semantics II Special Topic in Logic	4.5
a. 4.0 credits from: PHIL 2301 [0.5] PHIL 2504 [0.5] PHIL 2540 [0.5] PHIL 3104 [0.5] PHIL 3140 [0.5] PHIL 3301 [0.5] PHIL 3501 [0.5] PHIL 3502 [0.5] PHIL 3504 [0.5] PHIL 3506 [0.5] PHIL 3506 [0.5] PHIL 4210 [0.5] PHIL 4220 [0.5] PHIL 4230 [0.5] PHIL 4230 [0.5] PHIL 4504 [0.5] PHIL 4504 [0.5] PHIL 4505 [0.5]	Introduction to the Philosophy of Science Language and Communication Personal Identity and the Self The Roots of Analytic Philosophy Epistemology Issues in the Philosophy of Science Symbolic Logic Philosophy of Cognitive Science Mind and Action Pragmatics Semantics Philosophy of Language Seminar in philosophy of Language or Linguistics Seminar in philosophy of Mind or Cognition Seminar in Metaphysics, Epistemology, or Philosophy of Science Special Topic in Philosophy of Computing Special Topic in Philosophy of Computing Special Topic in Philosophy of Computing Semantics II	4.5

PHIL 4704 [0.5]	Special Topic in Philosophical Logic	
CGSC 3004 [0.5]	Philosophy and Cognitive Science	
b. 0.5 credit from:		
PHIL 4503 [0.5]	Special Topic in Philosophy of Computing	
PHIL 4210 [0.5]	Seminar in philosophy of Language or Linguistics	
PHIL 4220 [0.5]	Seminar in philosophy of Mind or Cognition	
PHIL 4230 [0.5]	Seminar in Metaphysics, Epistemology, or Philosophy of Science	
PHIL 4503 [0.5]	Special Topic in Philosophy of Computing	
PHIL 4504 [0.5]	Special Topic in Philosophy of Computing	
PHIL 4505 [0.5]	Semantics II	
PHIL 4701 [0.5]	Special Topic in Logic	
PHIL 4702 [0.5]	Special Topic in Logic	
PHIL 4703 [0.5]	Special Topic in Philosophical Logic	
PHIL 4704 [0.5]	Special Topic in Philosophical Logic	
B. Credits not include	ed in the Major (4.5 credits)	
15. 4.5 credits in free	electives.	4.5
Total Credits		

Note: Normally, students may not offer more than one credit of independent study (eg. CGSC 4801 Independent Study and CGSC 4802 Independent Study) in their total program, including independent study credits taken through other departments.

Cognitive Science with Specialization in Language and Linguistics Bachelor of Cognitive Science Honours (20.0 credits)

1.	1.0 credit from:		1.0
	FYSM 1607 [1.0]	Cognitive Science: Thinking and Knowing	
	FYSM 1400 [1.0]	Cognition: A Scientific Exploration of the Mind	
	CGSC 1001 [0.5]	Mysteries of the Mind	
	PHIL 1301 [0.5]	Mind, World, and Knowledge	
2.	1.0 credit in:		1.0
	CGSC 2001 [0.5]	Introduction to Cognitive Science	
	CGSC 2002 [0.5]	Theories and Methods in Cognitive Science	
3.	1.0 credit in:		1.0
C	GSC at the 3000 leve	el or higher	
4.	0.5 credit in:		0.5
	COMP 1005 [0.5]	Introduction to Computer Science I	
5.	0.5 credit from:		0.5
	COMP 4106 [0.5]	Artificial Intelligence	
	CGSC 4001 [0.5]	Artificial Intelligence for Cognitive Scientists	
6.	0.5 credit in:		0.5
	LING 1001 [0.5]	Introduction to Linguistics I	
7.	1.0 credit in:		1.0
	LING 2005 [0.5]	Linguistic Analysis I	
	LING 2007 [0.5]	Phonetics	

	0.5 credit from:		0.5
	PHIL 2501 [0.5]	Introduction to Philosophy of Mind	
	PHIL 3502 [0.5]	Mind and Action	
	0.5 credit from:		0.5
	PHIL 2001 [0.5]	Introduction to Logic	
	PHIL 2520 [0.5]	Introduction to Philosophical Logic	
	0.5 credit from:		0.5
	CGSC 3004 [0.5]	Philosophy and Cognitive Science	
	PHIL 2301 [0.5]	Introduction to the Philosophy of Science	
	PHIL 2504 [0.5]	Language and Communication	
	PHIL 3104 [0.5]	The Roots of Analytic Philosophy	
	PHIL 3301 [0.5]	Issues in the Philosophy of Science	
	PHIL 3306 [0.5]	Symbolic Logic	
	PHIL 3501 [0.5]	Philosophy of Cognitive Science	
	PHIL 3502 [0.5]	Mind and Action	
	PHIL 3504 [0.5]	Pragmatics	
	PHIL 3506 [0.5]	Semantics Thilles and be a file and a series of the serie	
	PHIL 3530 [0.5]	Philosophy of Language	0.0
	2.0 credits in:	leter dusting to Develople and	2.0
	PSYC 1001 [0.5]	Introduction to Psychology I	
	PSYC 1002 [0.5]	Introduction to Psychology II	
	PSYC 2001 [0.5]	Introduction to Research Methods in Psychology	
	PSYC 2700 [0.5]	Introduction to Cognitive Psychology	
12.	0.5 credit from:		0.5
	NEUR 2200 [0.5]	Biological Foundations of Behaviour	
	PSYC 2307 [0.5]	Human Neuropsychology I	
13.	1.5 credits from:		1.5
	a. Thesis stream		
	CGSC 3908 [0.5]	Honours Seminar in Cognitive Science	
	CGSC 3908 [0.5] CGSC 4908 [1.0]		
		Science	
	CGSC 4908 [1.0]	Science Honours Thesis	
1.5	CGSC 4908 [1.0] OR b. Coursework stre	Science Honours Thesis eam level or higher in CGSC, COMP,	
1.5 LIN	CGSC 4908 [1.0] OR b. Coursework street is credits at the 3000	Science Honours Thesis eam level or higher in CGSC, COMP, PSYC	4.5
1.5 LIN 14 .	CGSC 4908 [1.0] OR b. Coursework stress credits at the 3000 NG, NEUR, PHIL, or	Science Honours Thesis eam level or higher in CGSC, COMP, PSYC	4.5
1.5 LIN 14 .	CGSC 4908 [1.0] OR b. Coursework street credits at the 3000 IG, NEUR, PHIL, or 4.5 credits in the	Science Honours Thesis eam level or higher in CGSC, COMP, PSYC	4.5
1.5 LIN 14 .	CGSC 4908 [1.0] OR b. Coursework stress credits at the 3000 NG, NEUR, PHIL, or 4.5 credits in the a. 2.0 credits in:	Science Honours Thesis Pam level or higher in CGSC, COMP, PSYC specialization:	4.5
1.5 LIN 14 .	CGSC 4908 [1.0] OR b. Coursework stress credits at the 3000 NG, NEUR, PHIL, or 4.5 credits in the a. 2.0 credits in: LING 3004 [0.5]	Science Honours Thesis eam level or higher in CGSC, COMP, PSYC specialization: Syntax I	4.5
1.5 LIN 14 .	CGSC 4908 [1.0] OR b. Coursework street is credits at the 3000 IG, NEUR, PHIL, or 4.5 credits in the a. 2.0 credits in: LING 3004 [0.5] LING 3007 [0.5]	Science Honours Thesis Parm level or higher in CGSC, COMP, PSYC specialization: Syntax I Phonology I	4.5
1.5 LIN 14 .	CGSC 4908 [1.0] OR b. Coursework street credits at the 3000 IG, NEUR, PHIL, or 4.5 credits in the a. 2.0 credits in: LING 3004 [0.5] LING 3007 [0.5] LING 3505 [0.5]	Science Honours Thesis Parm level or higher in CGSC, COMP, PSYC specialization: Syntax I Phonology I Semantics I Language Processing and the	4.5
1.5 LIN 14 .	CGSC 4908 [1.0] OR b. Coursework street coredits at the 3000 NG, NEUR, PHIL, or 4.5 credits in the a. 2.0 credits in: LING 3004 [0.5] LING 3007 [0.5] LING 3505 [0.5] LING 3601 [0.5]	Science Honours Thesis Parm level or higher in CGSC, COMP, PSYC specialization: Syntax I Phonology I Semantics I Language Processing and the	4.5
1.5 LIN 14 .	CGSC 4908 [1.0] OR b. Coursework streets at the 3000 NG, NEUR, PHIL, or at 2.0 credits in: LING 3004 [0.5] LING 3007 [0.5] LING 3505 [0.5] LING 3601 [0.5] b. 1.5 credits from:	Science Honours Thesis Parm level or higher in CGSC, COMP, PSYC specialization: Syntax I Phonology I Semantics I Language Processing and the Brain I Language Typology and Universals Morphology I	4.5
1.5 LIN 14 .	CGSC 4908 [1.0] OR b. Coursework street or credits at the 3000 NG, NEUR, PHIL, or 4.5 credits in the a. 2.0 credits in: LING 3004 [0.5] LING 3007 [0.5] LING 3601 [0.5] b. 1.5 credits from: LING 3001 [0.5]	Science Honours Thesis Pam level or higher in CGSC, COMP, PSYC specialization: Syntax I Phonology I Semantics I Language Processing and the Brain I Language Typology and Universals	4.5
1.5 LIN 14 .	CGSC 4908 [1.0] OR b. Coursework street coredits at the 3000 IG, NEUR, PHIL, or 4.5 credits in the a. 2.0 credits in: LING 3004 [0.5] LING 3007 [0.5] LING 3505 [0.5] LING 3601 [0.5] b. 1.5 credits from: LING 3001 [0.5] LING 3005 [0.5] LING 3005 [0.5] LING 3005 [0.5] LING 3005 [0.5] LING 3101 [0.5] LING 3504 [0.5]	Science Honours Thesis Parm level or higher in CGSC, COMP, PSYC specialization: Syntax I Phonology I Semantics I Language Processing and the Brain I Language Typology and Universals Morphology I	4.5
1.5 LIN 14.	CGSC 4908 [1.0] OR b. Coursework street coredits at the 3000 IG, NEUR, PHIL, or A.5 credits in the a. 2.0 credits in: LING 3004 [0.5] LING 3505 [0.5] LING 3601 [0.5] b. 1.5 credits from: LING 3001 [0.5] LING 3001 [0.5] LING 3001 [0.5] LING 3005 [0.5] LING 3005 [0.5] LING 3101 [0.5] LING 3504 [0.5] LING 3603 [0.5]	Science Honours Thesis Pam level or higher in CGSC, COMP, PSYC specialization: Syntax I Phonology I Semantics I Language Processing and the Brain I Language Typology and Universals Morphology I Historical Linguistics I Pragmatics Child Language	4.5
1.5 LIN 14.	CGSC 4908 [1.0] OR b. Coursework street coredits at the 3000 NG, NEUR, PHIL, or coredits in the a. 2.0 credits in: LING 3004 [0.5] LING 3505 [0.5] LING 3601 [0.5] LING 3001 [0.5] LING 3005 [0.5] LING 3005 [0.5] LING 3101 [0.5] LING 3504 [0.5] LING 3603 [0.5] LING 3801 [0.5]	Science Honours Thesis Pam level or higher in CGSC, COMP, PSYC specialization: Syntax I Phonology I Semantics I Language Processing and the Brain I Language Typology and Universals Morphology I Historical Linguistics I Pragmatics	4.5
1.5 LIN 14.	CGSC 4908 [1.0] OR b. Coursework street coredits at the 3000 NG, NEUR, PHIL, or A.5 credits in the a. 2.0 credits in: LING 3004 [0.5] LING 3505 [0.5] LING 3601 [0.5] LING 3001 [0.5] LING 3005 [0.5] LING 3005 [0.5] LING 3101 [0.5] LING 3504 [0.5] LING 3504 [0.5] LING 3603 [0.5] LING 3801 [0.5] LING 3801 [0.5] C. 1.0 credit from:	Science Honours Thesis Pam level or higher in CGSC, COMP, PSYC specialization: Syntax I Phonology I Semantics I Language Processing and the Brain I Language Typology and Universals Morphology I Historical Linguistics I Pragmatics Child Language Structure of a Specific Language	4.5
1.5 LIN 14.	CGSC 4908 [1.0] OR b. Coursework street coredits at the 3000 IG, NEUR, PHIL, or A.5 credits in the a. 2.0 credits in: LING 3004 [0.5] LING 3505 [0.5] LING 3601 [0.5] b. 1.5 credits from: LING 3005 [0.5] LING 3005 [0.5] LING 3101 [0.5] LING 3504 [0.5] LING 3504 [0.5] LING 3603 [0.5] LING 3801 [0.5] LING 3801 [0.5] C. 1.0 credit from: LING 4004 [0.5]	Science Honours Thesis Pam level or higher in CGSC, COMP, PSYC specialization: Syntax I Phonology I Semantics I Language Processing and the Brain I Language Typology and Universals Morphology I Historical Linguistics I Pragmatics Child Language Structure of a Specific Language Syntax II	4.5
1.5 LIN 14.	CGSC 4908 [1.0] OR b. Coursework street coredits at the 3000 NG, NEUR, PHIL, or A.5 credits in the a. 2.0 credits in: LING 3004 [0.5] LING 3505 [0.5] LING 3601 [0.5] LING 3001 [0.5] LING 3005 [0.5] LING 3005 [0.5] LING 3101 [0.5] LING 3504 [0.5] LING 3504 [0.5] LING 3603 [0.5] LING 3801 [0.5] LING 3801 [0.5] C. 1.0 credit from:	Science Honours Thesis Pam level or higher in CGSC, COMP, PSYC specialization: Syntax I Phonology I Semantics I Language Processing and the Brain I Language Typology and Universals Morphology I Historical Linguistics I Pragmatics Child Language Structure of a Specific Language	4.5

LING 4601 [0.5]	Language Processing and the Brain II	
B. Credits not include	ded in the Major (4.5 credits)	
15. 4.5 credits in fre	e electives	4.5
Total Credits		20.0

Note: Normally, students may not offer more than one credit of independent study (eg. CGSC 4801 Independent Study and CGSC 4802 Independent Study) in their total program, including independent study credits taken through other departments.

Cognitive Science with Specialization in the Biological Foundations of Cognition Bachelor of Cognitive Science Honours (20.0 credits)

A. Credits Included in the Major GPA (15.5 credits)

Α.	Credits included i	if the Major GPA (15.5 credits)	
1.	1.0 credit from:		1.0
	FYSM 1607 [1.0]	Cognitive Science: Thinking and Knowing	
	FYSM 1400 [1.0]	Cognition: A Scientific Exploration of the Mind	
	CGSC 1001 [0.5]	Mysteries of the Mind	
	PHIL 1301 [0.5]	Mind, World, and Knowledge	
2.	1.0 credit in:		1.0
	CGSC 2001 [0.5]	Introduction to Cognitive Science	
	CGSC 2002 [0.5]	Theories and Methods in Cognitive Science	
3.	1.0 credit in:		1.0
	CGSC at the 3000	level or higher	
4.	0.5 credit in:		0.5
	COMP 1005 [0.5]	Introduction to Computer Science I	
5.	0.5 credit from:		0.5
	COMP 4106 [0.5]	Artificial Intelligence	
	CGSC 4001 [0.5]	Artificial Intelligence for Cognitive Scientists	
6.	0.5 credit in:		0.5
	LING 1001 [0.5]	Introduction to Linguistics I	
7.	1.0 credit in:		1.0
	LING 2005 [0.5]	Linguistic Analysis I	
	LING 2007 [0.5]	Phonetics	
8.	0.5 credit from:		0.5
	PHIL 2501 [0.5]	Introduction to Philosophy of Mind	
	PHIL 3502 [0.5]	Mind and Action	
9.	0.5 credit from:		0.5
	PHIL 2001 [0.5]	Introduction to Logic	
	PHIL 2520 [0.5]	Introduction to Philosophical Logic	
10	0. 0.5 credit from:		0.5
	PHIL 2301 [0.5]	Introduction to the Philosophy of Science	
	PHIL 2504 [0.5]	Language and Communication	
	PHIL 3104 [0.5]	The Roots of Analytic Philosophy	
	PHIL 3301 [0.5]	Issues in the Philosophy of Science	
	PHIL 3306 [0.5]	Symbolic Logic	
	PHIL 3501 [0.5]	Philosophy of Cognitive Science	
	PHIL 3502 [0.5]	Mind and Action	
	PHIL 3504 [0.5]	Pragmatics	
	PHIL 3506 [0.5]	Semantics	
	PHIL 3530 [0.5]	Philosophy of Language	

11	CGSC 3004 [0.5] . 2.0 credits in:	Philosophy and Cognitive Science	2.0
	PSYC 1001 [0.5]	Introduction to Psychology I	
	PSYC 1002 [0.5]	Introduction to Psychology II	
	PSYC 2001 [0.5]	Introduction to Research Methods in Psychology	
	PSYC 2700 [0.5]	Introduction to Cognitive Psychology	
12	. 0.5 credit in:		0.5
	NEUR 2200 [0.5]	Biological Foundations of Behaviour	
13	. 1.5 credits from:		1.5
	a. Thesis Stream		
	CGSC 3908 [0.5]	Honours Seminar in Cognitive Science	
	CGSC 4908 [1.0]	Honours Thesis	
	OR		
	b. Coursework Str		
	i. 1.5 credit at the 30 LING, NEUR, PHIL,	000 level or higher in CGSC, COMP, or PSYC	
14	. 4.5 credits in the	specialization:	4.5
	a. 1.5 credits in:		
	PSYC 2002 [0.5]	Introduction to Statistics in Psychology	
	PSYC 3000 [1.0]	Design and Analysis in Psychological Research	
	b. 0.5 credit in NEU	R at the 2000 level or higher	
	c. 1.5 credits from:		
	NEUR 2801 [0.5]	Neuroscience and Creativity	
	NEUR 3200 [1.0]	Principles of Neuroscience	
	NEUR 3202 [0.5]	Sensory Processes	
	NEUR 3303 [0.5]	The Neuroscience of Consciousness	
	PSYC 3307 [0.5]	Human Neuropsychology II	
	PSYC 3506 [0.5]	Cognitive Development	
	PSYC 3508 [0.5]	Child Language	
	PSYC 3702 [0.5]	Perception	
	PSYC 3709 [0.5]	Language Processing and the Brain	
	d. 1.0 credit in NEU	R at the 3000 level or above	
В.	Credits Not Include	ed in the Major CGPA (4.5 credits)	
15	. 4.5 credits in free	electives.	4.5
То	tal Credits		20.0
No	ote: Normally, stud	lents may not offer more than one	

Note: Normally, students may not offer more than one credit of independent study (eg. CGSC 4801 Independent Study and CGSC 4802 Independent Study) in their total program, including independent study credits taken through other departments.

Cognitive Science with Specialization in Cognition and Psychology Bachelor of Cognitive Science Honours (20.0 credits)

1.	1.0 credit from:		1.0
	FYSM 1607 [1.0]	Cognitive Science: Thinking and Knowing	
	FYSM 1400 [1.0]	Cognition: A Scientific Exploration of the Mind	

CGSC 1001 [0.5]	Mysteries of the Mind	
PHIL 1301 [0.5]	Mind, World, and Knowledge	
2. 1.0 credit in:	mila, trona, and thomoago	1.0
CGSC 2001 [0.5]	Introduction to Cognitive Science	
CGSC 2002 [0.5]	Theories and Methods in Cognitive	
	Science	
3. 1.0 credit in:		1.0
CGSC at the 3000	level or above	
4. 0.5 credit in:		0.5
COMP 1005 [0.5]	Introduction to Computer Science I	
5. 0.5 credit from:	Additional latellines of the Oranitive	0.5
CGSC 4001 [0.5]	Artificial Intelligence for Cognitive Scientists	
COMP 4106 [0.5]	Artificial Intelligence	
6. 0.5 credit in:	7 it inicial intelligence	0.5
LING 1001 [0.5]	Introduction to Linguistics I	
7. 1.0 credit in:	J	1.0
LING 2005 [0.5]	Linguistic Analysis I	
LING 2007 [0.5]	Phonetics	
8. 0.5 credit from:		0.5
PHIL 2501 [0.5]	Introduction to Philosophy of Mind	
PHIL 3502 [0.5]	Mind and Action	
9. 0.5 credit from:		0.5
PHIL 2001 [0.5]	Introduction to Logic	
PHIL 2520 [0.5]	Introduction to Philosophical Logic	
10. 0.5 credit from:		0.5
PHIL 2301 [0.5]	Introduction to the Philosophy of Science	
PHIL 2504 [0.5]	Language and Communication	
PHIL 3104 [0.5]	The Roots of Analytic Philosophy	
PHIL 3301 [0.5]	Issues in the Philosophy of Science	
PHIL 3306 [0.5]	Symbolic Logic	
PHIL 3501 [0.5]	Philosophy of Cognitive Science	
PHIL 3502 [0.5]	Mind and Action	
PHIL 3504 [0.5]	Pragmatics	
PHIL 3506 [0.5]	Semantics	
PHIL 3530 [0.5]	Philosophy of Language	
CGSC 3004 [0.5] 11. 2.0 credits in:	Philosophy and Cognitive Science	2.0
PSYC 1001 [0.5]	Introduction to Psychology I	2.0
PSYC 1001 [0.5]	Introduction to Psychology II	
PSYC 2001 [0.5]	Introduction to Research Methods	
1 010 2001 [0.0]	in Psychology	
PSYC 2700 [0.5]	Introduction to Cognitive Psychology	
12. 0.5 credit from:		0.5
PSYC 2307 [0.5]	Human Neuropsychology I	
NEUR 2200 [0.5]	Biological Foundations of Behaviour	
13. 1.5 credits from:		1.5
a. Thesis Stream:		
CGSC 3908 [0.5]	Honours Seminar in Cognitive Science	
CGSC 4908 [1.0]	Honours Thesis	
OR		
b. Coursework Str		
i. 1.5 credit at the 3 LING, NEUR, PHIL	000 level or above in CGSC, COMP, , or PSYC	

14. 4.5 credits in the	14. 4.5 credits in the specialization:		
a. 1.5 credits in:			
PSYC 2002 [0.5]	Introduction to Statistics in Psychology		
PSYC 3000 [1.0]	Design and Analysis in Psychological Research		
b. 0.5 credit in PSY	C at the 2000-level or above		
c. 2.0 credits from:			
PSYC 3700 [1.0]	Cognition (Honours Seminar)		
PSYC 3307 [0.5]	Human Neuropsychology II		
PSYC 3506 [0.5]	Cognitive Development		
PSYC 3508 [0.5]	Child Language		
PSYC 3702 [0.5]	Perception		
PSYC 3709 [0.5]	Language Processing and the Brain		
NEUR 3202 [0.5]	Sensory Processes		
NEUR 3303 [0.5]	The Neuroscience of Consciousness		
d. 0.5 credit in PSY	C at the 4000-level or above		
B. Credits Not Includ	ed in the Major CGPA (4.5 credits)		
15. 4.5 credits in free	e electives.	4.5	
Total Credits			

Note: Normally, students may not offer more than one credit of independent study (eg. CGSC 4801 Independent Study and CGSC 4802 Independent Study) in their total program, including independent study credits taken through other departments.

Cognitive Science with Specialization in Cognition and Computation Bachelor of Cognitive Science Honours (20.0 credits)

1.	1.0 credit from:		1.0
	FYSM 1607 [1.0]	Cognitive Science: Thinking and Knowing	
	FYSM 1400 [1.0]	Cognition: A Scientific Exploration of the Mind	
	CGSC 1001 [0.5]	Mysteries of the Mind	
	PHIL 1301 [0.5]	Mind, World, and Knowledge	
2.	1.0 credit in:		1.0
	CGSC 2001 [0.5]	Introduction to Cognitive Science	
	CGSC 2002 [0.5]	Theories and Methods in Cognitive Science	
3.	1.0 credit in:		1.0
	CGSC at the 3000 I	evel or above	
4.	0.5 credit in:		0.5
	COMP 1005 [0.5]	Introduction to Computer Science I	
5.	0.5 credit from:		0.5
	COMP 4106 [0.5]	Artificial Intelligence	
	CGSC 4001 [0.5]	Artificial Intelligence for Cognitive Scientists	
6.	0.5 credit in:		0.5
	LING 1001 [0.5]	Introduction to Linguistics I	
7.	1.0 credit in:		1.0
	LING 2005 [0.5]	Linguistic Analysis I	
	LING 2007 [0.5]	Phonetics	
8.	0.5 credit from:		0.5

d. e.	c. 2.0 credits in: COMP 2402 [0.5] COMP 2404 [0.5] COMP 3007 [0.5] COMP 3008 [0.5] 1.0 credit in COMP 0.5 credit in; COMP 4107 [0.5]	Introduction to Computer Science II IP at the 1000-level or higher Abstract Data Types and Algorithms Introduction to Software Engineering Programming Paradigms Human-Computer Interaction at the 2000-level or higher Biologically-Inspired Computing ed in the Major CGPA (4.5 credits)	4.5 20.0	
d. e.	4. 4.5 credits in the a. 0.5 credit in: COMP 1006 [0.5] b. 0.5 credit in COM c. 2.0 credits in: COMP 2402 [0.5] COMP 2404 [0.5] COMP 3007 [0.5] COMP 3008 [0.5] 1.0 credit in COMP 0.5 credit in; COMP 4107 [0.5] COMP 4107 [0.5]	Introduction to Computer Science II IP at the 1000-level or higher Abstract Data Types and Algorithms Introduction to Software Engineering Programming Paradigms Human-Computer Interaction at the 2000-level or higher Biologically-Inspired Computing ed in the Major CGPA (4.5 credits)		
d. e.	4. 4.5 credits in the a. 0.5 credit in: COMP 1006 [0.5] b. 0.5 credit in COM c. 2.0 credits in: COMP 2402 [0.5] COMP 2404 [0.5] COMP 3007 [0.5] COMP 3008 [0.5] 1.0 credit in COMP 0.5 credit in; COMP 4107 [0.5]	Introduction to Computer Science II IP at the 1000-level or higher Abstract Data Types and Algorithms Introduction to Software Engineering Programming Paradigms Human-Computer Interaction at the 2000-level or higher	4.5	
d.	4. 4.5 credits in the a. 0.5 credit in: COMP 1006 [0.5] b. 0.5 credit in COM c. 2.0 credits in: COMP 2402 [0.5] COMP 2404 [0.5] COMP 3007 [0.5] COMP 3008 [0.5] 1.0 credit in COMP 0.5 credit in;	Introduction to Computer Science II IP at the 1000-level or higher Abstract Data Types and Algorithms Introduction to Software Engineering Programming Paradigms Human-Computer Interaction at the 2000-level or higher	4.5	
d.	4. 4.5 credits in the a. 0.5 credit in: COMP 1006 [0.5] b. 0.5 credit in COM c. 2.0 credits in: COMP 2402 [0.5] COMP 2404 [0.5] COMP 3007 [0.5] COMP 3008 [0.5] 1.0 credit in COMP	Introduction to Computer Science II IP at the 1000-level or higher Abstract Data Types and Algorithms Introduction to Software Engineering Programming Paradigms Human-Computer Interaction	4.5	
	4. 4.5 credits in the a. 0.5 credit in: COMP 1006 [0.5] b. 0.5 credit in COM c. 2.0 credits in: COMP 2402 [0.5] COMP 2404 [0.5] COMP 3007 [0.5] COMP 3008 [0.5]	Introduction to Computer Science II IP at the 1000-level or higher Abstract Data Types and Algorithms Introduction to Software Engineering Programming Paradigms Human-Computer Interaction	4.5	
14	4. 4.5 credits in the a. 0.5 credit in: COMP 1006 [0.5] b. 0.5 credit in COM c. 2.0 credits in: COMP 2402 [0.5] COMP 2404 [0.5] COMP 3007 [0.5]	Introduction to Computer Science II IP at the 1000-level or higher Abstract Data Types and Algorithms Introduction to Software Engineering Programming Paradigms	4.5	
14	4. 4.5 credits in the a. 0.5 credit in: COMP 1006 [0.5] b. 0.5 credit in COM c. 2.0 credits in: COMP 2402 [0.5] COMP 2404 [0.5]	Introduction to Computer Science II IP at the 1000-level or higher Abstract Data Types and Algorithms Introduction to Software Engineering	4.5	
14	4. 4.5 credits in the a. 0.5 credit in: COMP 1006 [0.5] b. 0.5 credit in COM c. 2.0 credits in: COMP 2402 [0.5]	Introduction to Computer Science II IP at the 1000-level or higher Abstract Data Types and Algorithms Introduction to Software	4.5	
14	4. 4.5 credits in the a. 0.5 credit in: COMP 1006 [0.5] b. 0.5 credit in COM c. 2.0 credits in:	Introduction to Computer Science II IP at the 1000-level or higher Abstract Data Types and	4.5	
14	4. 4.5 credits in the a. 0.5 credit in: COMP 1006 [0.5] b. 0.5 credit in COM c. 2.0 credits in:	specialization: Introduction to Computer Science II IP at the 1000-level or higher	4.5	
14	4. 4.5 credits in the a. 0.5 credit in: COMP 1006 [0.5] b. 0.5 credit in COM	specialization: Introduction to Computer Science II	4.5	
14	4. 4.5 credits in the a. 0.5 credit in: COMP 1006 [0.5]	specialization: Introduction to Computer Science II	4.5	
14	4. 4.5 credits in the a. 0.5 credit in:	specialization:	4.5	
14	4. 4.5 credits in the		4.5	
			4.5	
		000 level or higher in CGSC, COMP,		
	b. Coursework Stream:			
	OR			
	CGSC 4908 [1.0]	Honours Thesis		
	0.00 0000 [0.0]	Science Science		
	CGSC 3908 [0.5]	Honours Seminar in Cognitive		
10	a. Thesis Stream		1.0	
13	3 1.5 credits from:	Tamair Hearopsychology I	1.5	
	PSYC 2307 [0.5]	Behaviour Human Neuropsychology I		
	NEUR 2200 [0.5]	Biological Foundations of		
0.	5 credit from:		0.5	
	PSYC 2700 [0.5]	Introduction to Cognitive Psychology		
	PSYC 2001 [0.5]	Introduction to Research Methods in Psychology		
	PSYC 1002 [0.5]	Introduction to Psychology II		
	PSYC 1001 [0.5]	Introduction to Psychology I		
11	1. 2.0 credits in:	Introduction to Dough describ	2.0	
44	CGSC 3004 [0.5]	Philosophy and Cognitive Science	2.0	
	PHIL 3530 [0.5]	Philosophy of Language		
	PHIL 3506 [0.5]	Semantics		
	PHIL 3504 [0.5]	Pragmatics		
	PHIL 3502 [0.5]	Mind and Action		
	PHIL 3501 [0.5]	Philosophy of Cognitive Science		
	PHIL 3306 [0.5]	Symbolic Logic		
	PHIL 3301 [0.5]	Issues in the Philosophy of Science		
	PHIL 3104 [0.5]	The Roots of Analytic Philosophy		
	PHIL 2504 [0.5]	Language and Communication		
	PHIL 2301 [0.5]	Introduction to the Philosophy of Science		
10	0. 0.5 credit from:		0.5	
	PHIL 2520 [0.5]	Introduction to Philosophical Logic		
	PHIL 2001 [0.5]	Introduction to Logic		
	0.5 credit from:		0.5	
9.	PHIL 3502 [0.5]	Mind and Action		
9.	PHIL 2501 [0.5]	Introduction to Philosophy of Mind		

Note: Normally, students may not offer more than one credit of independent study (eg. CGSC 4801 Independent Study and CGSC 4802 Independent Study) in their total

program, including independent study credits taken through other departments.

Cognitive Science Bachelor of Cognitive Science General (15.0 credits)

cr	credits)				
A. Credits Included in the Major CGPA (9.0 credits)					
	1.0 credit from:		1.0		
	FYSM 1607 [1.0]	Cognitive Science: Thinking and Knowing			
	FYSM 1400 [1.0]	Cognition: A Scientific Exploration of the Mind			
	CGSC 1001 [0.5]	Mysteries of the Mind			
	PHIL 1301 [0.5]	Mind, World, and Knowledge			
2.	1.0 credit in:		1.0		
	CGSC 2001 [0.5]	Introduction to Cognitive Science			
	CGSC 2002 [0.5]	Theories and Methods in Cognitive Science			
3.	1.0 credit in CGSC	at the 3000 level or above	1.0		
4.	0.5 credit in:		0.5		
	COMP 1005 [0.5]	Introduction to Computer Science I			
5.	1.5 credits in:		1.5		
	LING 1001 [0.5]	Introduction to Linguistics I			
	LING 2005 [0.5]	Linguistic Analysis I			
	LING 2007 [0.5]	Phonetics			
6.	0.5 credit from:		0.5		
	PHIL 2501 [0.5]	Introduction to Philosophy of Mind			
	PHIL 3502 [0.5]	Mind and Action			
7.	0.5 credit from:		0.5		
	PHIL 2001 [0.5]	Introduction to Logic			
	PHIL 2520 [0.5]	Introduction to Philosophical Logic			
8.	0.5 credit from:		0.5		
	PHIL 2301 [0.5]	Introduction to the Philosophy of Science			
	PHIL 2504 [0.5]	Language and Communication			
	PHIL 3104 [0.5]	The Roots of Analytic Philosophy			
	PHIL 3301 [0.5]	Issues in the Philosophy of Science			
	PHIL 3306 [0.5]	Symbolic Logic			
	PHIL 3501 [0.5]	Philosophy of Cognitive Science			
	PHIL 3502 [0.5]	Mind and Action			
	PHIL 3504 [0.5]	Pragmatics			
	PHIL 3506 [0.5]	Semantics			
	PHIL 3530 [0.5]	Philosophy of Language			
	CGSC 3004 [0.5]	Philosophy and Cognitive Science			
9.	2.0 credits in:		2.0		
	PSYC 1001 [0.5]	Introduction to Psychology I			
	PSYC 1002 [0.5]	Introduction to Psychology II			
	PSYC 2001 [0.5]	Introduction to Research Methods in Psychology			
	PSYC 2700 [0.5]	Introduction to Cognitive Psychology			
10	0.5 credit from:		0.5		
	NEUR 2200 [0.5]	Biological Foundations of Behaviour			
	PSYC 2307 [0.5]	Human Neuropsychology I			
В.	Credits Not Includ	ed in the Major CGPA (6.0 credits)			
11	. 6.0 credits in free	electives	6.0		

Total Credits

15.0

Institute of Cognitive Science Faculty of Arts and Social Sciences

CGSC 1001 [0.5 credit] Mysteries of the Mind

Challenges faced in understanding the mind, and some of the approaches cognitive science has brought to bear on them. Topics may include the nature of knowledge, how we learn, the extent to which human thinking is rational, biases in thinking, and evolutionary influences on cognition.

Lectures three hours per week.

CGSC 2001 [0.5 credit] Introduction to Cognitive Science

An integrated background of the discipline of Cognitive Science, with an historical overview (1940's onward) and examination of the extent to which the discipline has assimilated the collective knowledge of contributing disciplines (e.g., psychology, philosophy, linguistics, artificial intelligence and neuroscience).

Prerequisite(s): second-year standing or permission of the Institute.

Lectures three hours a week.

CGSC 2002 [0.5 credit]

Theories and Methods in Cognitive Science

Selected topics in cognitive science covered from the perspectives of psychology, computer science, linguistics, philosophy, and other related disciplines. Students may be required to complete independent research projects. Prerequisite(s): CGSC 2001, second year standing, and two of PSYC 1001, LING 1001, COMP 1005, PHIL 1301 or PHIL 2501, or permission of the Institute. Restricted to students enrolled in B.Cog.Sc. General or Honours. Seminars and tutorials six hours per week.

CGSC 3004 [0.5 credit] Philosophy and Cognitive Science

Cognitive science from a philosophical perspective. Topics may include: philosophical methods for studying the mind, prospects for naturalizing consciousness and intentionality, assessing competing models of the mind.

Prerequisite(s): third-year year standing and 0.5 credit in CGSC 2001, or in PHIL at the 2000-level or above. Seminar three hours per week.

CGSC 3201 [0.5 credit] Empirical Issues in Cognitive Science

Issues in empirical Cognitive Science are examined through a detailed consideration of selected topics. Prerequisite(s): third-year standing, and 0.5 credit in CGSC 2001 or PSYC 2700.

Seminar three hours per week.

CGSC 3301 [0.5 credit]

Language and Cognitive Science

Issues related to language and cognitive science are examined through a detailed consideration of selected topics.

Prerequisite(s): third-year standing, and CGSC 2001. Seminar three hours per week.

CGSC 3908 [0.5 credit]

Honours Seminar in Cognitive Science

Major theories and empirical approaches within Cognitive Science are examined through a detailed consideration of selected topics. Students are required to complete independent research projects to prepare for their fourth-year honours theses.

Precludes additional credit for CGSC 3001 (no longer offered) and CGSC 3002 (no longer offered).

Prerequisite(s): third year standing, CGSC 2001 and CGSC 2002, and enrolment in B. Cog. Sc. Honours with a CGPA in the major requirements of 8.0.

Seminars and tutorials six hours per week.

CGSC 3999 [0.0 credit] Co-operative Work Term

CGSC 4001 [0.5 credit]

Artificial Intelligence for Cognitive Scientists

An introduction to the contribution of artificial intelligence and computer modeling of cognitive processes to cognitive science.

Prerequisite(s): third-year standing and CGSC 2002 and COMP 1005. Restricted to students enrolled in B.Cog.Sc. Honours.

Seminars and labs six hours per week.

CGSC 4801 [0.5 credit] Independent Study

A reading or research course for selected students who wish to investigate a particular topic of interest. Normally students may not offer more than one credit of independent study in their total program (including independent study credits taken through other departments).

Prerequisite(s): third- or fourth-year standing and permission of the Institute.

CGSC 4802 [0.5 credit] Independent Study

A reading or research course for selected students who wish to investigate a particular topic of interest. Normally students may not offer more than one credit of independent study in their total program (including independent study credits taken through other departments).

Prerequisite(s): third- or fourth-year standing and permission of the Institute.

CGSC 4900 [0.5 credit]

Special Topics in Cognitive Science

The topic of this course will vary from year to year. Students may register in more than one section of CGSC 4900 but may register in each section only once. Prerequisite(s): each section will have its own prerequisites and permission of the department if is required.

Seminar three hours per week.

CGSC 4908 [1.0 credit] **Honours Thesis**

Interdisciplinary thesis. In developing a thesis, students must consult the Undergraduate Supervisor. Only the Undergraduate Supervisor can assign a supervisor or grant approval to register in this course. Faculty regulations governing Honours Research Essays and Honours Theses apply.

Prerequisite(s): fourth year standing, CGSC 3908, and enrolment in B.Cog.Sc. Honours with a major CGPA of 8.0.

Summer session: some of the courses listed in this Calendar are offered during the summer. Hours and scheduling for summer session courses will differ significantly from those reported in the fall/winter Calendar. To determine the scheduling and hours for summer session classes, consult the class schedule at central.carleton.ca

Not all courses listed are offered in a given year. For an up-to-date statement of course offerings for the current session and to determine the term of offering, consult the class schedule at central.carleton.ca