Cognitive Science

Program Requirements
Cognitive Science with Concentration in Philosophical and Conceptual Issues
Bachelor of Cognitive Science Honours (20.0 credits)

A. Credits Included in the Major CGPA (15.5 credits)
1. 1.0 credit from:
   - 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:
   - 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 higher
4. 0.5 credit from:
   - CGSC 1005 [0.5] Computational Methods in Cognitive Science
   - COMP 1005 [0.5] Introduction to Computer Science I
5. 0.5 credit in:
   - CGSC 4001 [0.5] Artificial Intelligence for Cognitive Scientists
6. 0.5 credit in:
   - LING 1001 [0.5] Introduction to Linguistics I
7. 1.0 credit in:
   - LING 2005 [0.5] Linguistic Analysis I
   - LING 2007 [0.5] Phonetics
8. 0.5 credit from:
   - PHIL 2501 [0.5] Introduction to Philosophy of Mind
   - PHIL 3502 [0.5] Mind and Action
9. 0.5 credit from:
   - PHIL 2001 [0.5] Introduction to Logic
   - PHIL 2520 [0.5] Introduction to Philosophical Logic
10. 0.5 credit from:
    - 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:
    - 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
12. 0.5 credit from:
    - PSYC 2700 [0.5] Introduction to Cognitive Psychology
    - PSYC 2307 [0.5] Human Neuropsychology I
    - NEUR 1202 [0.5] Neuroscience of Mental Health and Psychiatric Disease
13. 1.5 credits from:
    a. Thesis pathway
    - CGSC 3908 [0.5] Honours Seminar in Cognitive Science
    - CGSC 4908 [1.0] Honours Thesis
    b. Coursework pathway
    i. 1.5 credit at the 3000 level or higher in CGSC, COMP, LING, NEUR, PHIL, or PSYC
14. 4.5 credits in the concentration:
    a. 4.0 credits from:
        - PHIL 2301 [0.5] Introduction to the Philosophy of Science
        - PHIL 2504 [0.5] Language and Communication
        - PHIL 2540 [0.5] Personal Identity and the Self
        - 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
    b. 0.5 credit from:
        - PHIL 4055 [0.5] Lexical Semantics
        - 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 4505 [0.5] Formal Semantics

B. Credits not included in the Major (4.5 credits)
15. 4.5 credits in free electives.

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

A. Credits Included in the Major CGPA (15.5 credits)
1. 1.0 credit from:
Cognitive Science with Concentration in the Biological Foundations of Cognition
Bachelor of Cognitive Science Honours (20.0 credits)

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

1. 1.0 credit from:
   - 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:
   - 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 higher

4. 0.5 credit from:
   - CGSC 1005 [0.5] Computational Methods in Cognitive Science
   - COMP 1005 [0.5] Introduction to Computer Science I

5. 0.5 credit in:
   - CGSC 4001 [0.5] Artificial Intelligence for Cognitive Scientists

6. 0.5 credit from:
   - LING 1001 [0.5] Introduction to Linguistics I

7. 1.0 credit in:
   - LING 2005 [0.5] Linguistic Analysis I
   - LING 2007 [0.5] Phonetics

8. 0.5 credit from:
   - PHIL 2501 [0.5] Introduction to Philosophy of Mind
   - PHIL 3502 [0.5] Mind and Action

9. 0.5 credit from:
   - PHIL 2001 [0.5] Introduction to Logic
   - PHIL 2520 [0.5] Introduction to Philosophical Logic

10. 0.5 credit from:
    - 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
    - PHIL 3530 [0.5] Philosophy of Language

11. 2.0 credits in:
    - 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:
    - NEUR 1202 [0.5] Neuroscience of Mental Health and Psychiatric Disease
    - PSYC 2307 [0.5] Human Neuropsychology I

13. 1.5 credits from:
    - a. Thesis pathway
      - CGSC 3908 [0.5] Honours Seminar in Cognitive Science

CGSC 4908 [1.0] Honours Thesis

OR

b. Coursework pathway
   1.5 credits at the 3000 level or higher in CGSC, COMP, LING, NEUR, PHIL, or PSYC

14. 4.5 credits in the concentration: 4.5
    - a. 2.5 credits in:
      - LING 3004 [0.5] Syntax I
      - LING 3005 [0.5] Morphology I
      - LING 3007 [0.5] Phonology I
      - LING 3505 [0.5] Semantics
      - LING 3601 [0.5] Language Processing and the Brain I
    - b. 1.0 credit from:
      - LING 2604 [0.5] Communication Disorders I
      - LING 3604 [0.5] Communication Disorders II
      - LING 3504 [0.5] Pragmatics
      - LING 3603 [0.5] Child Language
    - c. 1.0 credit from:
      - LING 4004 [0.5] Syntax II
      - LING 4005 [0.5] Morphology II
      - LING 4007 [0.5] Phonology II
      - LING 4505 [0.5] Formal Semantics
      - LING 4601 [0.5] Language Processing and the Brain II

B. Credits not included in the Major (4.5 credits)

15. 4.5 credits in free electives 4.5

Total Credits 20.0

Note: Normally, students may not offer more than one credit of independent study (e.g. CGSC 4801 Independent Study and CGSC 4802 Independent Study) in their total program, including independent study credits taken through other departments.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tr>
<td>CGSC 4001 [0.5]</td>
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<td>NEUR 1202 [0.5]</td>
<td>Neuroscience of Mental Health and Psychiatric Disease</td>
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<tr>
<td>CGSC 3908 [0.5]</td>
<td>Honours Seminar in Cognitive Science</td>
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<tr>
<td>CGSC 4908 [1.0]</td>
<td>Honours Thesis</td>
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<tr>
<td>NEUR 1203 [0.5]</td>
<td>Neuroscience of Mental Health and Neurological Disease</td>
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<tr>
<td>NEUR 2002 [0.5]</td>
<td>Introduction to Statistics in Neuroscience</td>
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<tr>
<td>NEUR 2201 [0.5]</td>
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<td>NEUR 3206 [0.5]</td>
<td>Sensory and Motor Neuroscience</td>
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<tr>
<td>NEUR 3207 [0.5]</td>
<td>Integrative Neuroscience</td>
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<tr>
<td>NEUR 3303 [0.5]</td>
<td>The Neuroscience of Consciousness</td>
</tr>
<tr>
<td>PSYC 3307 [0.5]</td>
<td>Human Neuropsychology II</td>
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<tr>
<td>PSYC 3709 [0.5]</td>
<td>Language Processing and the Brain</td>
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**Note:** normally, students may not offer more than one credit of independent study (e.g., CGSC 4801 Independent Study and CGSC 4802 Independent Study) in their total program, including independent study credits taken through other departments.

**Cognitive Science with Concentration in Cognition and Psychology**

**Bachelor of Cognitive Science Honours (20.0 credits)**

### A. Credits Included in the Major CGPA (15.5 credits)

1. 1.0 credit from:
   - 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:
   - 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

4. 0.5 credit from:
   - CGSC 1005 [0.5] Computational Methods in Cognitive Science
   - COMP 1005 [0.5] Introduction to Computer Science I

5. 0.5 credit in:
   - CGSC 4001 [0.5] Artificial Intelligence for Cognitive Scientists

6. 0.5 credit in:
   - LING 1001 [0.5] Introduction to Linguistics I

7. 1.0 credit in:
   - LING 2005 [0.5] Linguistic Analysis I
   - LING 2007 [0.5] Phonetics

8. 0.5 credit from:
   - PHIL 2501 [0.5] Introduction to Philosophy of Mind
   - PHIL 3502 [0.5] Mind and Action

9. 0.5 credit from:
   - PHIL 2001 [0.5] Introduction to Logic
   - PHIL 2504 [0.5] Pragmatics

10. 0.5 credit from:
    - PHIL 2301 [0.5] Introduction to the Philosophy of Science

11. 2.0 credits in:
    - PSYC 1001 [0.5] Introduction to Psychology I
    - PSYC 1002 [0.5] Introduction to Psychology II

12. 0.5 credit in:
    - NEUR 1202 [0.5] Neuroscience of Mental Health and Psychiatric Disease

13. 1.5 credits from:
    a. Thesis pathway
       - CGSC 3908 [0.5] Honours Seminar in Cognitive Science
       - CGSC 4908 [1.0] Honours Thesis
    OR
    b. Coursework pathway
       i. 1.5 credit at the 3000 level or higher in CGSC, COMP, LING, NEUR, PHIL, or PSYC

14. 4.5 credits in the concentration:
    a. 0.5 credit in:
       - NEUR 1203 [0.5] Neuroscience of Mental Health and Neurological Disease
    b. 2.5 credits in:
       - NEUR 2002 [0.5] Introduction to Statistics in Neuroscience
       - NEUR 2201 [0.5] Cellular and Molecular Neuroscience
       - NEUR 2202 [0.5] Neurodevelopment and Plasticity
       - NEUR 3001 [0.5] Data Analysis in Neuroscience I
       - NEUR 3002 [0.5] Data Analysis in Neuroscience II
    c. 1.0 credit from:
       - NEUR 2801 [0.5] Neuroscience and Creativity
       - NEUR 3204 [0.5] Neuropharmacology
       - NEUR 3206 [0.5] Sensory and Motor Neuroscience
       - NEUR 3207 [0.5] Integrative Neuroscience
       - NEUR 3303 [0.5] The Neuroscience of Consciousness
       - PSYC 3307 [0.5] Human Neuropsychology II
       - PSYC 3709 [0.5] Language Processing and the Brain

**B. Credits Not Included in the Major CGPA (4.5 credits)**

15. 4.5 credits in free electives.

**Total Credits:** 20.0
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:
   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:
   PSYC 2307 [0.5] Human Neuropsychology I
   NEUR 1202 [0.5] Neuroscience of Mental Health and Psychiatric Disease

13. 1.5 credits from:
   a. Thesis pathway
      CGSC 3908 [0.5] Honours Seminar in Cognitive Science
      CGSC 4908 [1.0] Honours Thesis
   OR
   b. Coursework pathway
      i. 1.5 credit at the 3000 level or above in CGSC, COMP, LING, NEUR, PHIL, or PSYC

14. 4.5 credits in the concentration:
   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 PSYC 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 3303 [0.5] The Neuroscience of Consciousness
   d. 0.5 credit in PSYC at the 4000-level or above

B. Credits Not Included in the Major CGPA (4.5 credits)

15. 4.5 credits in free electives.

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.
13. 1.5 credits from: 
   a. Thesis pathway 
      CGSC 3908 [0.5] Honours Seminar in Cognitive Science 
      CGSC 4908 [1.0] Honours Thesis 
   OR 
   b. Coursework pathway: 
      i. 1.5 credit at the 3000 level or higher in CGSC, COMP, LING, NEUR, PHIL, or PSYC

14. 4.5 credits in the concentration: 
   a. 0.5 credit in: 
      COMP 1006 [0.5] Introduction to Computer Science II 
      COMP 1005 [0.5] Computational Methods in Cognitive Science 
      COMP 1005 [0.5] Introduction to Computer Science I 
   b. 0.5 credit in COMP at the 1000 level or above 
   c. 2.0 credits from: 
      COMP 2401 [0.5] Introduction to Systems Programming 
      COMP 2402 [0.5] Abstract Data Types and Algorithms 
      COMP 2404 [0.5] Introduction to Software Engineering 
      COMP 2406 [0.5] Fundamentals of Web Applications 
      COMP 3008 [0.5] Human-Computer Interaction 
      d. 1.0 credit in COMP at the 2000 level or above 
      e. 0.5 credit from: 
         COMP 4102 [0.5] Computer Vision 
         COMP 4106 [0.5] Artificial Intelligence 
         COMP 4107 [0.5] Neural Networks 
         COMP 4805 [0.5] Theory of Automata

B. Credits not included in the Major CGPA (4.5 credits) 

15. 4.5 credits in free electives. 

Total Credits 20.0

Note: Normally, students may not offer more than one credit of independent study (e.g. 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) 

A. Credits Included in the Major CGPA (9.0 credits) 

1. 1.0 credit from: 
   a. CGSC 1001 [0.5] Mysteries of the Mind 
   b. FYSM 1400 [1.0] Cognition: A Scientific Exploration of the Mind 
   c. FYSM 1607 [1.0] Cognitive Science: Thinking and Knowing 
   d. PHIL 1301 [0.5] Mind, World, and Knowledge 

2. 1.0 credit in: 
   a. CGSC 2001 [0.5] Introduction to Cognitive Science 
   b. CGSC 2002 [0.5] Theories and Methods in Cognitive Science 

3. 1.0 credit in CGSC at the 3000 level or above 
4. 0.5 credit from: 
   a. CGSC 1005 [0.5] Computational Methods in Cognitive Science 
   b. COMP 1005 [0.5] Introduction to Computer Science II

5. 1.5 credits in: 
   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: 
   a. PHIL 2501 [0.5] Introduction to Philosophy of Mind 
   b. PHIL 3502 [0.5] Mind and Action 

7. 0.5 credit from: 
   a. PHIL 2001 [0.5] Introduction to Logic 
   b. PHIL 2520 [0.5] Introduction to Philosophical Logic 

8. 0.5 credit from: 
   a. CGSC 3004 [0.5] Philosophy and Cognitive Science 
   b. PHIL 2301 [0.5] Introduction to the Philosophy of Science 
   c. PHIL 2504 [0.5] Language and Communication 
   d. PHIL 3104 [0.5] The Roots of Analytic Philosophy 
   e. PHIL 3301 [0.5] Issues in the Philosophy of Science 
   f. PHIL 3306 [0.5] Symbolic Logic 
   g. PHIL 3501 [0.5] Philosophy of Cognitive Science 
   h. PHIL 3502 [0.5] Mind and Action 
   i. PHIL 3504 [0.5] Pragmatics 
   j. PHIL 3506 [0.5] Semantics 
   k. PHIL 3530 [0.5] Philosophy of Language

9. 2.0 credits in: 
   a. PSYC 1001 [0.5] Introduction to Psychology I 
   b. PSYC 1002 [0.5] Introduction to Psychology II 
   c. PSYC 2001 [0.5] Introduction to Research Methods in Psychology 
   d. PSYC 2700 [0.5] Introduction to Cognitive Psychology 

10. 0.5 credit from: 
   a. NEUR 1202 [0.5] Neuroscience of Mental Health and Psychiatric Disease 
   b. PSYC 2307 [0.5] Human Neuropsychology I

B. Credits Not Included in the Major CGPA (6.0 credits) 

11. 6.0 credits in free electives. 

Total Credits 15.0

Post-Baccalaureate Diploma in Cognitive Science (4.0 credits) 

Admission to this program requires the permission of the Institute of Cognitive Science. Normally, students are required to have completed an undergraduate degree with a minimum B average or higher to be admitted. Applications will be reviewed on a case-by-case basis.

Requirements: 

1. 1.0 credit in: 
   a. CGSC 3908 [0.5] Honours Seminar in Cognitive Science 
   b. CGSC 4001 [0.5] Artificial Intelligence for Cognitive Scientists

2. 1.5 credits in CGSC at the 3000 level 

3. 1.5 credits from: 
   a. CGSC 4801 [0.5] Independent Study 
   b. CGSC 4802 [0.5] Independent Study 
   c. CGSC 4900 [0.5] Special Topics in Cognitive Science 
   d. CGSC 4908 [1.0] Honours Thesis
Cognitive Science (CGSC) Courses

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 1005 [0.5 credit]
Computational Methods in Cognitive Science
Introduction to computational methods, with an emphasis on programming. Topics and assignments will focus on applications in cognitive science. No prior computing experience required.
Lecture three hours and tutorial one and a half hours a 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 labs six hours per week.

CGSC 3004 [0.5 credit]
Philosophy and Cognitive Science
An examination of the significance and role of philosophy in cognitive science. 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 and PHIL 2501.
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 (CGSC 1005 or 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.
Precludes additional credit for CGSC 4909.
Prerequisite(s): fourth year standing, CGSC 3908, and enrolment in B.Cog.Sc. Honours with a major CGPA of 8.0.

CGSC 4909 [1.0 credit]
Honours Project
Interdisciplinary project. Students engage in one or more group research projects.
Precludes additional credit for CGSC 4908.
Prerequisite(s): 4th year standing, enrolment in B. Cog. Sc. Honours.
Seminar

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