

## Cognitive Science

Cognitive Science Committee  
Institute of Interdisciplinary Studies  
Faculty of Arts and Social Sciences

This section presents the requirements for:

- **Cognitive Science - B.A. Honours with Specialization in:**
  - Philosophical Concepts and Ideas**
  - Language and Linguistics**
  - The Biological Foundations of Cognition**
  - Cognition and Psychology**
  - Cognition and Computation**
- **A Co-operative Education Option is available. See the Co-operative Education section of this Calendar.**

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### Graduation Requirements

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

- i) the University regulations (see the *Academic Regulations of the University* section of this Calendar),
- ii) the common regulations applying to all B.A. students including those relating to First-Year Seminars and Breadth requirements (see the *Academic Regulations and Requirements for the Bachelor of Arts Degree*).

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

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### Program Requirements

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#### Cognitive Science with Specialization in Philosophical and Conceptual Issues B.A. Honours (20.0 credits)

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

1. 1.0 credit in CGSC 2001 and CGSC 3001;
2. 1.0 credit in CGSC 4908 [1.0];
3. 2.5 credits in COMP 1005, COMP 1006, COMP 1805, COMP 2002 and COMP 3007;
4. 0.5 credit in either COMP 4106 or COMP 4107;
5. 2.5 credits in LALS 1000 [1.0], LALS 2001, LALS 2003 and LALS 3506;
6. 0.5 credit in PHIL 1301, PHIL 2001 or PHIL 3306;
7. 0.5 credit in either PHIL 2501 or PHIL 3502;
8. 2.0 credits in PSYC 1001, PSYC 1002, PSYC 2200 and PSYC 2700;
9. 5.0 credits in the specialization:
  - a) 3.5 credits in PHIL 2300, PHIL 3104, PHIL 3105, PHIL 3302, PHIL 3501, PHIL 3504, PHIL 3506;
  - b) 0.5 credit in PHIL 4503 or PHIL 4504;
  - c) 1.0 credit from: (PHIL 4103 or PHIL 4104), (PHIL 4508 or PHIL 4509), (PHIL 4506 or PHIL 4507), (PHIL 4102 or PHIL 4202), (PHIL 4301 or PHIL 4302) (only one course from each pair may be counted.);

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

10. 4.5 credits in free electives.

## Cognitive Science Language and Linguistics

### B.A. Honours (20.0 credits)

#### A. Credits Included in the Major CGPA (14.5 credits):

1. 1.0 credit in CGSC 2001 and CGSC 3001;
2. 1.0 credit in CGSC 4908 [1.0];
3. 2.5 credits in COMP 1005, COMP 1006, COMP 1805, COMP 2002 and COMP 3007;
4. 0.5 credit in either COMP 4106 or COMP 4107;
5. 2.5 credits in LALS 1000 [1.0], LALS 2001, LALS 2003 and LALS 3506;
6. 0.5 credit in PHIL 1301, PHIL 2001 or PHIL 3306;
7. 0.5 credit in either PHIL 2501 or PHIL 3502;
8. 2.0 credits in PSYC 1001, PSYC 1002, PSYC 2200 and PSYC 2700;
9. 4.0 credits in the specialization:
  - a) 1.0 credit in LALS 3002 and LALS 3004;
  - b) 2.0 credits from: LALS 2401, LALS 2603, LALS 2604, LALS 2701, LALS 3601, LALS 3101, LALS 3903;
  - c) 1.0 credit from: LALS 4001, LALS 4002, LALS 4009, LALS 4602;

#### B. Credits Not Included in the Major CGPA (5.5 credits)

10. 5.5 credits in free electives.

## Cognitive Science in the Biological Foundations of Cognition

### B.A. Honours (20.0 credits)

#### A. Credits Included in the Major CGPA (15.0 credits):

1. 1.0 credit in CGSC 2001 and CGSC 3001;
2. 1.0 credit in CGSC 4908 [1.0];
3. 2.5 credits in COMP 1005, COMP 1006, COMP 1805, COMP 2002 and COMP 3007;
4. 0.5 credit in either COMP 4106 or COMP 4107;
5. 2.5 credits in LALS 1000 [1.0], LALS 2001, LALS 2003 and LALS 3506;
6. 0.5 credit in PHIL 1301, PHIL 2001 or PHIL 3306;
7. 0.5 credit in either PHIL 2501 or PHIL 3502;
8. 2.0 credits in PSYC 1001, PSYC 1002, PSYC 2200 and PSYC 2700;
9. 4.5 credits in the specialization:
  - a) 1.0 credit in (PSYC 2001 and PSYC 2002) or PSYC 2000 [1.0];
  - b) 2.0 credits in PSYC 3000 [1.0] and PSYC 3200 [1.0];
  - c) 0.5 credit in either PSYC 3202 or PSYC 3702;
  - d) 1.0 credit at the 4000-level or above;

#### B. Credits Not Included in the Major CGPA (5.0 credits):

10. 5.0 credits in free electives.

## Cognitive Science in Cognition and Psychology

### B.A. Honours (20.0 credits)

#### A. Credits Included in the Major CGPA (15.0 credits):

1. 1.0 credit in CGSC 2001 and CGSC 3001;
2. 1.0 credit in CGSC 4908 [1.0];

3. 2.5 credits in COMP 1005, COMP 1006, COMP 1805, COMP 2002 and COMP 3007;
4. 0.5 credit in either COMP 4106 or COMP 4107;
5. 2.5 credits in LALS 1000 [1.0], LALS 2001, LALS 2003 and LALS 3506;
6. 0.5 credit in PHIL 1301, PHIL 2001 or PHIL 3306;
7. 0.5 credit in either PHIL 2501 or PHIL 3502;
8. 2.0 credits in PSYC 1001, PSYC 1002, PSYC 2200 and PSYC 2700;
9. 4.5 credits in the specialization:
  - a) 1.0 credit in (PSYC 2001 and PSYC 2002) or PSYC 2000 [1.0];
  - b) 2.0 credits in PSYC 3000 [1.0], PSYC 3700 [1.0];
  - c) 0.5 credit in either PSYC 3202 or PSYC 3702;
  - d) 1.0 credit at the 4000-level or above;

**B. Credits Not Included in the Major CGPA (5.0 credits):**

10. 5.0 credits in free electives.

**Cognitive Science in Cognition and Computation**

**B.A. Honours (20.0 credits)**

**A. Credits Included in the Major CGPA (14.5 credits):**

1. 1.0 credit in CGSC 2001 and CGSC 3001;
2. 1.0 credit in CGSC 4908 [1.0];
3. 2.5 credits in COMP 1005, COMP 1006, COMP 1805, COMP 2002 and COMP 3007;
4. 0.5 credit in either COMP 4106 or COMP 4107;
5. 2.5 credits in LALS 1000 [1.0], LALS 2001, LALS 2003 and LALS 3506;
6. 0.5 credit in PHIL 1301, PHIL 2001 or PHIL 3306;
7. 0.5 credit in either PHIL 2501 or PHIL 3502;
8. 2.0 credits in PSYC 1001, PSYC 1002, PSYC 2200 and PSYC 2700;
9. 4.0 credits in the specialization:
  - a) 0.5 credit in COMP 1002;
  - b) 2.0 credits at the 2000-level or above in Computer Science;
  - c) 1.5 credits at the 4000-level or above in Computer Science.

**B. Credits Not Included in the Major CGPA (5.5 credits):**

10. 5.5 credits in free electives.

**Notes**

1. Students must choose one of the specializations of study. Students should consult with the Area Co-ordinator when selecting courses within that specialization.
2. The topic of the Honours Research Essay must be in the area covered by the student's specialization. Registration in CGSC 4908 requires that the student have already completed or be concurrently registered in all of the requirements of their specialization.