1.0 Degree Title
Specify the two degrees for concurrent degree programs

| Interfaculty Program in Cognitive Science |

1.1 Major (Legacy= Subject) (30-char. max.)

1.2 Concentration (Legacy = Concentration/Option) if applicable (30 char. max.)

1.3 Minor (with Concentration, if applicable) (30 char. max.)

1.4 Category

- Faculty Program (FP)
- Major
- Joint Major
- Major Concentration (CON)
- Minor
- Minor Concentration (CON)
- Please specify

| Interfaculty Program |

1.5 Complete Program Title

| Interfaculty Program in Cognitive Science |

2.0 Administering Faculty/Unit

| Faculty of Science |

Offering Faculty/Department

3.0 Effective Term of revision or retirement
Please give reasons in 5.0 “Rationale” in the case of retirement

| Ex. Sept. 2004 = 200409 |

| □ Retirement |

Term:

| 200809 |

4.0 Existing Credit Weight

| 54 |

Proposed Credit Weight

| 54 |

5.0 Rationale for revised program

The courses that have been omitted are no longer being offered. Those that have been added are newly available in participating departments, and all cover material that uncontroversially forms part of the discipline of cognitive science.

Special mention should be made of a course drawn from a Faculty not previously represented in the program. MUMT 250 (Music Perception and Cognition) though drawn from the Faculty of Music covers topics that form part of cognitive science. This addition enhances the interdisciplinary nature of the Cognitive Science Program.
## 7.0 List of existing program and proposed program

### Existing program (list courses as follows: Subj Code/Crse Num, Title, Credit weight, under the headings of: Required Courses, Complementary Courses, Elective Courses)

<table>
<thead>
<tr>
<th>Required Course</th>
<th>(3 credits)</th>
<th>PSYC 532 (3) Cognitive Science</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Complementary Courses</strong></td>
<td>(51 credits)</td>
<td>3 credits, one of:</td>
</tr>
<tr>
<td>MATH 318 (3)</td>
<td>Mathematical Logic</td>
<td></td>
</tr>
<tr>
<td>PHIL 210 (3)</td>
<td>Introduction to Deductive Logic 1</td>
<td></td>
</tr>
<tr>
<td>18 credits from List A in one of Computer Science, Linguistics, Neuroscience, Philosophy, or Psychology.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>12 credits from List A in one of the four remaining units.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>18 credits, at least 12 at the 400 level or higher, chosen from Lists A and/or B in Computer Science, Linguistics, Neuroscience, Philosophy, Psychology and/or Research Courses.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Note 1: Students are responsible for ensuring that they meet all pre- and corequisites for all their courses.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Note 2: With the permission of the Director of the Cognitive Science program, students may be able to substitute courses in cognate departments, such as Anatomy and Cell Biology, Biology, Neurology, or Physiology.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Note 3: B.A. &amp; Sc. students who take Interfaculty Programs must take at least 30 credits in Arts and 30 in Science across their Interfaculty Program and their Minor or Minor Concentration.</td>
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</tbody>
</table>

### Proposed program (list courses as follows: Subj Code/Crse Num, Title, Credit weight, under the headings of: Required Courses, Complementary Courses, Elective Courses)

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<td>Note 2: With the permission of the Director of the Cognitive Science program, students may be able to substitute courses in cognate departments, such as Anatomy and Cell Biology, Biology, Neurology, or Physiology. In adding prerequisites for some courses may be waived, check with the instructor for details. For further information, consult the Cognitive Science wiki: <a href="http://mcgillaus.com/cogsci/wiki/Main_Page">http://mcgillaus.com/cogsci/wiki/Main_Page</a></td>
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### COMPUTER SCIENCE

**List A:**

- MATH 240 (3) Discrete Structures 1
- COMP 206 (3) Introduction to Software Systems
- COMP 250 (3) Introduction to Computer Science
- COMP 251 (3) Data Structures and Algorithms
- COMP 325 (3) Programming Languages and Paradigms
- COMP 424 (3) Topics: Artificial Intelligence 1
- COMP 429 (3) Automated Reasoning (DELETE)

**List B:**

- MATH 222 (3) Calculus 3
- MATH 223 (3) Linear Algebra
- MATH 328 (3) Computability and Mathematical Linguistics (DELETE)
- COMP 360 (3) Algorithm Design Techniques
- COMP 490 (3) Introduction to Probabilistic Analysis of Algorithms
- COMP 526 (3) Probabilistic Reasoning and AI
- COMP 531 (3) Theory of Computation
- COMP 538 (3) Person-Machine Communication (DELETE)
- COMP 590 (3) Fundamentals of Computer Vision

### COMPUTER SCIENCE

**List A:**

- MATH 240 (3) Discrete Structures 1
- COMP 206 (3) Introduction to Software Systems
- COMP 250 (3) Introduction to Computer Science
- COMP 251 (3) Data Structures and Algorithms
- COMP 302 (3) Programming Languages and Paradigms
- COMP 424 (3) Topics: Artificial Intelligence 1
- COMP 527 (3) Logic and Computation

**List B:**

- MATH 222 (3) Calculus 3
- MATH 223 (3) Linear Algebra
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- COMP 490 (3) Introduction to Probabilistic Analysis of Algorithms
- COMP 526 (3) Probabilistic Reasoning and AI
- COMP 531 (3) Theory of Computation
- COMP 558 (3) Fundamentals of Computer Vision
- COMP 330 (3) Theoretical Aspects: Computer Science

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[Field Code Changed] [Formatted: Font: (Default) Arial, Underline] [Deleted: MATH 328] [Deleted: COMP 538] [Formatting: Font: (Default) Arial, Underline] [Formatting: Font: (Default) Arial, Underline] [Formatting: Font: (Default) Arial, Underline] [Formatting: Font: (Default) Arial, Underline] [Deleted: COMP 538] [Formatting: Font: (Default) Arial, Underline]
### 9. Approvals

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<td>Curric/Acad Committee</td>
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Submitted by

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<tr>
<th>Name</th>
<th>Phone</th>
<th>Email</th>
<th>Submission Date</th>
</tr>
</thead>
</table>

To be completed by ARR:

- CIP Code

8.0 Consultation with Related Units

- Financial Consult

- Attach list of consultations

- Yes

- No
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<tr>
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