



<p>1.0 Degree Title <input style="width: 100%; height: 20px;" type="text"/> <input style="width: 100%; height: 20px; border: 1px solid black;" type="text" value="B.A.&Sc."/></p> <p>1.1 Major (Legacy= Subject) (30-char. max.) <input style="width: 100%; height: 20px; border: 1px solid black;" type="text" value="Cognitive Science"/></p> <p>1.2 Concentration (Legacy = Concentration/Option) If applicable (30 char. max.)</p> <p>1.3 Minor (with Concentration, if applicable) (30 char. max.)</p> <p>1.4 Category</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;"> Faculty Program (FP) Major Joint Major Major Concentration (CON) Minor Minor Concentration (CON) </td> <td style="width: 50%; border: none;"> Honours (HON) Joint Honours Component (HC) Internship/Co-op Thesis (T) Non-Thesis (N) <input checked="" type="checkbox"/> Other – Interfaculty Program </td> </tr> </table> <p>1.5 Complete Program Title B.A. & Sc. Interfaculty Program in Cognitive Science</p>	Faculty Program (FP) Major Joint Major Major Concentration (CON) Minor Minor Concentration (CON)	Honours (HON) Joint Honours Component (HC) Internship/Co-op Thesis (T) Non-Thesis (N) <input checked="" type="checkbox"/> Other – Interfaculty Program	<p>2.0 Administering Faculty/Unit <input style="width: 100%; height: 20px; border: 1px solid black;" type="text" value="Faculty of Science"/> Offering Faculty/Department <input style="width: 100%; height: 20px; border: 1px solid black;" type="text" value="Arts & Science – COMP, LING, NSCI, PHIL, PSYC"/></p> <p>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</p> <p>Term: <input style="width: 100%; height: 20px; border: 1px solid black;" type="text" value="201009"/></p> <p>4.0 Existing Credit Weight Proposed Credit Weight <input style="width: 100%; height: 20px; border: 1px solid black;" type="text" value="54"/> <input style="width: 100%; height: 20px; border: 1px solid black;" type="text" value="54"/></p> <p>5.0 Rationale for revised program</p> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p>Improve the program by adding prerequisite and pertinent courses. Update existing program to include new courses and remove courses which are no longer offered.</p> </div>
Faculty Program (FP) Major Joint Major Major Concentration (CON) Minor Minor Concentration (CON)	Honours (HON) Joint Honours Component (HC) Internship/Co-op Thesis (T) Non-Thesis (N) <input checked="" type="checkbox"/> Other – Interfaculty Program		
<p>6.0 Revised Program Description (Maximum 150 words)</p> <div style="border: 1px solid black; height: 250px; margin-top: 10px;"></div>			

7.0 List of existing program and proposed program

Existing program (list courses as follows: Subj Code/Crse Num,

Required Course
(3 credits)

PSYC 532 (3) Cognitive Science

Complementary Courses
(51 credits)

3 credits, one of
COMP 230 (3)
MATH 318 (3)
PHIL 210 (3)

18 credits from List A in one of Computer Science,
Linguistics, Neuroscience, Philosophy, or Psychology
12 credits from List A in one of the four remaining units
18 credits chose from Lists A and/or B in Computer
Science, Linguistics, Neuroscience, Philosophy,
Psychology and/or Research Courses of which at least
12 credits must be at the 400 level or higher.

Note 1: Students are responsible for ensuring that they
meet all pre- and corequisites for all their courses.

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. For further information, consult the
Cognitive Science website: www.mcgill.ca/cogsci.

Note 3: B.A. & 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.

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
COMP 280 (3) History and Philosophy of Computing
COMP 330 (3) Theoretical Aspects: Computer Science
COMP 360 (3) Algorithm Design Techniques
COMP 400 (3) Technical Project and Report
COMP 409 (3) Concurrent Programming
COMP 417 (3) Introduction Robotics and Intelligent
Systems
COMP 421 (3) Database Systems
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

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

Required Course
(3 credits)

PSYC 532 (3) Cognitive Science

Complementary Courses
(51 credits)

3 credits, one of
COMP 230 (3)
MATH 318 (3)
PHIL 210 (3)

18 credits from List A in one of the following five units:
Computer Science, Linguistics, Neuroscience,
Philosophy, or Psychology
12 credits from List A in one of the four remaining units
18 credits chosen from Lists A and/or B in Computer
Science, Linguistics, Neuroscience, Philosophy,
Psychology and/or Research Courses of which at least
12 credits must be at the 400 level or higher.

Note 1: Students are responsible for ensuring that they
meet all pre- and corequisites for all their courses.

Note 2: With the permission of the Director of the
Cognitive Science Program, students may be able to
substitute up to 6 credits in cognate departments, such
as Anatomy and Cell Biology, Biology, Neurology, or
Physiology. For further information, consult the
Cognitive Science website: www.mcgill.ca/cogsci.

Note 3: B.A. & 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.

COMPUTER SCIENCE

List A:

MATH 240 (3) Discrete Structures 1
COMP 202 (3) Intro to Computing 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
COMP 280 (3) History and Philosophy of Computing
COMP 330 (3) Theoretical Aspects: Computer Science
COMP 360 (3) Algorithm Design Techniques
COMP 400 (3) Technical Project and Report
COMP 409 (3) Concurrent Programming
COMP 417 (3) Introduction Robotics and Intelligent
Systems
COMP 421 (3) Database Systems
COMP 490 (3) Introduction to Probabilistic Analysis of
Algorithms
COMP 526 (3) Probabilistic Reasoning and AI
COMP 531 (3) Theory of Computation

8.0 Consultation with
Related Units

Yes No

Financial Consult Yes No

Attach list of consultations

9. Approvals

Routing Sequence	Name	Signature	Date
Department	<input type="text"/>	<input type="text"/>	<input type="text"/>
Curric/Acad Committee	<input type="text"/>	<input type="text"/>	<input type="text"/>
Faculty 1	<input type="text"/>	<input type="text"/>	<input type="text"/>
Faculty 2	<input type="text"/>	<input type="text"/>	<input type="text"/>
Faculty 3	<input type="text"/>	<input type="text"/>	<input type="text"/>
SCTP	<input type="text"/>	<input type="text"/>	<input type="text"/>
GS	<input type="text"/>	<input type="text"/>	<input type="text"/>
APPC	<input type="text"/>	<input type="text"/>	<input type="text"/>
Senate	<input type="text"/>	<input type="text"/>	<input type="text"/>

Submitted by

Name
Phone
Email
Submission Date

To be completed by ARR:

CIP Code