1.0 Degree Title
B.Sc.

1.1 Major (Legacy = Subject) (30 char. max.)
Major in Computer Science

1.2 Concentration (Legacy = Concentration/Option) If applicable (30 char. max.)
Computer Science

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

1.4 Category

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<tr>
<th>Faculty Program (FP)</th>
<th>Honours (HON)</th>
<th>Joint Honours</th>
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<td>Major</td>
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<td>Major Concentration (CON)</td>
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<td>Minor Concentration (CON)</td>
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1.5 Please specify

2.0 Administering Faculty/Unit
Science

2.1 Offering Faculty/Department
Science / Computer Science

3.0 Effective Term of revision or retirement
Term: 201201

3.1 Please give reasons in 5.0 “Rationale” in the case of retirement (Ex. Sept. 2004 = 200409) Retirement

4.0 Existing Credit Weight
60-63

4.1 Proposed Credit Weight
60-63

5.0 Rationale for revised program

These are minor changes due to course retirements and title changes. So far, students had to choose either COMP 304 or COMP 303, but as COMP 304 is retired, COMP 303 becomes a required course. Also, we have removed ECSE 508 from the list of complementary courses, as the instructor left McGill and the future of the course is not clear.

6.0 Revised Program Description (Maximum 150 words)
7.0 List of existing program and proposed program
Existing program as of Calendar 2010/2011 online

Revised program

MAJOR PROGRAM IN COMPUTER SCIENCE (60-63 credits)

Required Courses (30-33 credits)
COMP 202* (3) Foundations of Programming
COMP 206 (3) Introduction to Software Systems
COMP 250 (3) Introduction to Computer Science
COMP 273 (3) Introduction to Computer Systems
COMP 251 (3) Data Structures & Algorithms
COMP 302 (3) Programming Languages & Paradigms
COMP 310 (3) Operating Systems
MATH 222 (3) Calculus 3
MATH 223 (3) Linear Algebra
MATH 240 (3) Discrete Structures 1

*Students who have sufficient knowledge in a programming language are not required to take COMP 202.

Complementary Courses (33 credits)
Students should talk to an academic adviser before choosing their complementary courses.

At least 6 credits selected from:
COMP 330 (3) Theoretical Aspects: Computer Science
COMP 350 (3) Numerical Computing
COMP 360 (3) Algorithm Design Techniques

At least 3 credits selected from:
COMP 303 (3) Software Development
COMP 304 (3) Object-oriented Design

3-9 credits selected from:
* Must include at least one of MATH 323 and MATH 340.
MATH 318 (3) Mathematical Logic
MATH 323* (3) Probability
MATH 324 (3) Statistics
MATH 340* (3) Discrete Structures 2

The remaining credits selected from computer science courses at the 300-level or above (except COMP 364, COMP 396, COMP 400, COMP 431) and ECSE 508.

MAJOR PROGRAM IN COMPUTER SCIENCE (60-63 credits)

Required Courses (27-30 credits)
COMP 202* (3) Introduction to Computing 1
COMP 206 (3) Introduction to Software Systems
COMP 250 (3) Introduction to Computer Science
COMP 273 (3) Introduction to Computer Systems
COMP 251 (3) Data Structures & Algorithms
COMP 302 (3) Programming Languages & Paradigms
COMP 310 (3) Operating Systems
MATH 222 (3) Calculus 3
MATH 223 (3) Linear Algebra
MATH 240 (3) Discrete Structures 1

*Students who have sufficient knowledge in a programming language are not required to take COMP 202.

Complementary Courses (33 credits)
Students should talk to an academic adviser before choosing their complementary courses.

At least 6 credits selected from:
COMP 330 (3) Theory of Computation
COMP 350 (3) Numerical Computing
COMP 360 (3) Algorithm Design

At least 3 credits selected from:
COMP 303 (3) Software Development
COMP 304 (3) Object-oriented Design

3-9 credits selected from:
* Must include at least one of MATH 323 and MATH 340.
MATH 318 (3) Mathematical Logic
MATH 323* (3) Probability
MATH 324 (3) Statistics
MATH 340* (3) Discrete Structures 2

The remaining credits selected from computer science courses at the 300-level or above (except COMP 364, COMP 396, COMP 400, COMP 431), and ECSE 508.
8.0 Consultation with Related Units

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Submitted by

Name
Phone
Email
Submission Date

To be completed by ARR:

CIP Code

Financial Consult

Yes
No

Yes
No

Attach list of consultations