McGill

1.0 Degree Title
Specify the two degrees for concurrent degree programs

> B.Sc.

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

> Major Computer Science

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)	Honours (HON)
<mark>Major</mark>	Joint Honours Component (HC)
Joint Major	
Major Concentration (CON)	Internship/Co-op
Minor	Thesis (T)
Minor Concentration (CON)	Non-Thesis (N)
	Other
	Please specify

1.5
> B.Sc.; Major in Computer Science

2.0 Administering Faculty/Unit

> Science/Computer Science

Offering Faculty/Department

> Science / Computer Science

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: > 201409

4.0 Existing Credit Weight   **Proposed Credit Weight**

> 60-63   > 60-63

5.0 Rationale for revised program

> We add to our program the requirement that at least 6 credits must be taken at the 400-level or above. We did not have this requirement before because there were very few COMP courses at the 300-level, thus, students would automatically be required to take courses at the 400-level or above. With the introduction of several 300-level courses this is no more the case. Therefore, the requirement is explicitly added to the program.
>
> ☐

6.0 Revised Program Description (Maximum 150 words)

☐
☐
☐
☐
☐
☐

7.0 List of existing program and proposed program

MAJOR PROGRAM IN COMPUTER SCIENCE (60-63 credits)

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

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) Algorithms and Data Structures
COMP 302 (3) Programming Languages & Paradigms
COMP 303 (3) Software Development
COMP 310 (3) Operating Systems
MATH 222 (3) Calculus 3
MATH 223 (3) Linear Algebra
MATH 240 (3) Discrete Structures 1

Complementary Courses (30 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

3-9 credits selected from:
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).

Note: Students have to make sure that they have the appropriate prerequisites when choosing upper-level courses.

Revised program

MAJOR PROGRAM IN COMPUTER SCIENCE (60-63 credits)

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

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) Algorithms and Data Structures
COMP 302 (3) Programming Languages & Paradigms
COMP 303 (3) Software Development
COMP 310 (3) Operating Systems
MATH 222 (3) Calculus 3
MATH 223 (3) Linear Algebra
MATH 240 (3) Discrete Structures 1

Complementary Courses (30 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

3-9 credits selected from:
MATH 318 (3) Mathematical Logic
MATH 323(3) Probability
MATH 324(3) Statistics
MATH 340(3) Discrete Structures 2

At least 6 credits at the 400-level or above (except COMP 400)

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

Note: Students have to make sure that they have the appropriate prerequisites when choosing upper-level courses.

Attach extra page(s) as needed

8.0 Consultation with Related Units

Related Units ☐ Yes ☐ No

Financial Consult ☐ Yes ☐ No

Attach list of consultations

9. Approvals

Routing Sequence	Name	Signature	Date
Department	_(signature)_	G. Dudek	March 14/14
Curric/Acad Committee			
Faculty 1			
Faculty 2			
Faculty 3			
SCTP			
GS			
APPC			
Senate			

Submitted by

Name	
Phone	
Email	
Submission Date	

To be completed by ARR:

CIP Code