



## Program/Major or Minor/Concentration Revision Form

(2013)

### 1.0 Degree Title

Specify the two degrees for concurrent degree programs

Honours Computer Science

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

B.Sc.

### 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

- |  |   |
|--|---|
| <input type="checkbox"/> Faculty Program (FP)      | <input checked="" type="checkbox"/> Honours (HON)     |
| <input type="checkbox"/> Major                     | <input type="checkbox"/> Joint Honours Component (HC) |
| <input type="checkbox"/> Joint Major               | <input type="checkbox"/> Internship/Co-op             |
| <input type="checkbox"/> Major Concentration (CON) | <input type="checkbox"/> Thesis (T)                   |
| <input type="checkbox"/> Minor                     | <input type="checkbox"/> Non-Thesis (N)               |
| <input type="checkbox"/> Minor Concentration (CON) | <input type="checkbox"/> Other                        |

Please specify

### 1.5 Complete Program Title

Honours Computer Science

### 2.0 Administering Faculty/Unit

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

72-75

### Proposed Credit Weight

### 5.0 Rationale for revised program

This new course ECSE 539 Software Language Engineering is definitely of interest for our students in Software Engineering programs as well as our larger Computer Science programs.

### 6.0 Revised Program Description (Maximum 150 words)

Empty box for Revised Program Description

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)

**Required Courses (45-48 credits)**

COMP 202 (3) Foundations of Programming\*  
COMP 250 (3) Intro to Computer Science  
COMP 252 (3) Honours Algorithms & Data Structures  
COMP 206 (3) Intro to Software Systems.  
COMP 273 (3) Intro to Computer Systems  
COMP 302 (3) Programming Languages & Paradigms  
COMP 303 (3) Software Development  
COMP 310 (3) Operating Systems  
COMP 330 (3) Theory of Computation  
COMP 350 (3) Numerical Computing  
COMP 362 (3) Honours Algorithm Design  
COMP 400 (3) Honours Project in Computer Science  
MATH 222 (3) Calculus 3  
MATH 223 (3) Linear Algebra  
MATH 240 (3) Discrete Structures 1  
MATH 340 (3) Discrete Structures 2  
*Or* MATH 350 (3) Graph Theory & Combinatorics  
*(\*Students who have sufficient knowledge in a programming language are not required to take Comp 202)*

**Complementary Courses (27 credits)**

6 credits selected from:  
MATH 318 (3) Mathematical Logic  
MATH 323 (3) Probability  
MATH 324 (3) Statistics

The remaining credits selected from Computer Science courses at the 300-level or above (**except Comp 364, Comp 396**). At least 12 credits must be at the 500-level.

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

**Required Courses (45-48 credits)**

COMP 202 (3) Foundations of Programming\*  
COMP 250 (3) Intro to Computer Science  
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*Or* MATH 350 (3) Graph Theory & Combinatorics  
*(\*Students who have sufficient knowledge in a programming language are not required to take Comp 202)*

**Complementary Courses (27 credits)**

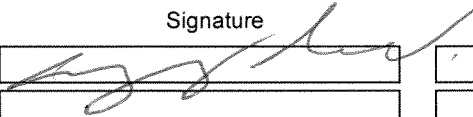
6 credits selected from:  
MATH 318 (3) Mathematical Logic  
MATH 323 (3) Probability  
MATH 324 (3) Statistics

The remaining credits selected from Computer Science courses at the 300-level or above (**except Comp 364, Comp 396**) and ECSE:539. At least 12 credits must be at the 500-level.

8.0 Consultation with Related Units  Yes  No Financial Consult  Yes  No

Attach list of consultations

9. Approvals

Routing Sequence	Name	Signature	Date
Department	G. Dudek		
Curric/Acad Committee			
Faculty 1			
Faculty 2			
Faculty 3			
CGPS			
SCTP			
APC			
Senate			

Submitted by

Name	Bettina Kemme / Liette Oi Chin	To be completed by ARR:
Phone	514 398-7071 x 00118	CIP Code
Email	liette.chin@mcgill.ca	
Submission Date	July 17, 2014	

10. FQRSC (Research) Indicator (for GPS): Yes No