



## Program/Major or Minor/Concentration Revision Form

(2013)

**1.0 Degree Title**

Specify the two degrees for concurrent degree programs

Major 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 type="checkbox"/> Honours (HON)                   |
| <input checked="" type="checkbox"/> Major          | <input type="checkbox"/> Joint Honours<br>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**

Major 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**

60-63

**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)**

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 (30-33 credits)**

COMP 202 (3) Foundations of Programming\*  
COMP 250 (3) Intro to Computer Science  
COMP 251 (3) 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  
MATH 222 (3) Calculus 3  
MATH 223 (3) Linear Algebra  
MATH 240 (3) Discrete Structures 1

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

**Complementary Courses (30 credits)**

**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 the following courses, and which 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

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).

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 (30-33 credits)**

COMP 202 (3) Foundations of Programming\*  
COMP 250 (3) Intro to Computer Science  
COMP 251 (3) 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  
MATH 222 (3) Calculus 3  
MATH 223 (3) Linear Algebra  
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(\*Students who have sufficient knowledge in programming language are not required to take COMP 202).

**Complementary Courses (30 credits)**

**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 the following courses, and which 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

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) and

**ECSE 539.**

8.0 Consultation with Related Units <input type="checkbox"/> Yes <input type="checkbox"/> No	Financial Consult <input type="checkbox"/> Yes <input type="checkbox"/> No
Attach list of consultations	

<b>9. Approvals</b>			
Routing Sequence	Name	Signature	Date
Department	<input style="width: 95%;" type="text"/>	<input style="width: 95%;" type="text"/>	<input style="width: 95%;" type="text"/>
Curric/Acad Committee	<input style="width: 95%;" type="text"/>	<input style="width: 95%;" type="text"/>	<input style="width: 95%;" type="text"/>
Faculty 1	<input style="width: 95%;" type="text"/>	<input style="width: 95%;" type="text"/>	<input style="width: 95%;" type="text"/>
Faculty 2	<input style="width: 95%;" type="text"/>	<input style="width: 95%;" type="text"/>	<input style="width: 95%;" type="text"/>
Faculty 3	<input style="width: 95%;" type="text"/>	<input style="width: 95%;" type="text"/>	<input style="width: 95%;" type="text"/>
CGPS	<input style="width: 95%;" type="text"/>	<input style="width: 95%;" type="text"/>	<input style="width: 95%;" type="text"/>
SCTP	<input style="width: 95%;" type="text"/>	<input style="width: 95%;" type="text"/>	<input style="width: 95%;" type="text"/>
APC	<input style="width: 95%;" type="text"/>	<input style="width: 95%;" type="text"/>	<input style="width: 95%;" type="text"/>
Senate	<input style="width: 95%;" type="text"/>	<input style="width: 95%;" type="text"/>	<input style="width: 95%;" type="text"/>
Submitted by			
Name	<input style="width: 95%;" type="text" value="Bettina Kemme / Liette Oi Chin"/>	To be completed by ARR:	
Phone	<input style="width: 95%;" type="text" value="514 398-7071 x 00118"/>	CIP Code	
Email	<input style="width: 95%;" type="text" value="liette.chin@mcgill.ca"/>	<input style="width: 95%;" type="text"/>	
Submission Date	<input style="width: 95%;" type="text" value="July 17, 2014"/>		

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