



Program/Major or Minor/Concentration Revision Form

(2013)

1.0 Degree Title

Specify the two degrees for concurrent degree programs

Liberal Program: Core Science Component Software Engineering

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

B.Sc. Liberal

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

Core Science Component in Software Engineering

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

1.4 Category

- | | |
|--|--|
| <input checked="" type="checkbox"/> Faculty Program (FP) | <input 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

Liberal Program: Core Science Component Software Engineering

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

49

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)

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 (36 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
COMP 361D1 (3) Software Engineering Project
COMP 361D2 (3) Software Engineering Project
MATH 223 (3) Linear Algebra
MATH 240 (3) Discrete Structures 1

**Students who have sufficient knowledge in programming language do not need to take COMP 202 but it should be replaced with an additional computer science complementary course.*

Complementary Courses (12-13 credits)

3 credits selected from:

COMP 330 (3) Theory of Computation
COMP 360 (3) Algorithm Design

9-10 credits selected from:

COMP 322 (1) Introduction to C++
COMP 409 (3) Concurrent Programming
COMP 421 (3) Database Systems
COMP 520 (4) Compiler Design
COMP 525 (3) Formal Verification
COMP 529 (4) Software Architecture
COMP 533 (3) Object-oriented Software Development
COMP 535 (3) Computer Networks 1

Or any computer science course at the 300 level or above, excluding COMP 364, COMP 396, and COMP 400.

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ECSE 539 (3) Software Language Engineering

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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



Oct 14, 2014

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