1.0 Degree Title
Specify the two degrees for concurrent degree programs

B.A. & Sc.

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

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

Software Engineering

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

1.4 Category
- Faculty Program (FP)
- Major
- Joint Major
- Minor
- Minor Concentration (CON)
- Honours (HON)
- Joint Honours Component (HC)
- Internship/Co-op
- Thesis (T)
- Non-Thesis (N)
- Other

1.5 Complete Program Title
Major Concentration in Software Engineering

2.0 Administering Faculty/Unit
Science

2.1 Offering Faculty/Department
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)

Term: 201009

4.0 Existing Credit Weight
35-37

Proposed Credit Weight
36-37

5.0 Rationale for revised program
Changes are required to align the courses and structure with updates to the Software Engineering major program.

6.0 Revised Program Description (Maximum 150 words)
MAJOR CONCENTRATION IN SOFTWARE ENGINEERING

EXISTING as of 2009/10 (online)
MAJOR CONCENTRATION IN SOFTWARE ENGINEERING MAJOR CONCENTRATION IN SOFTWARE ENGINEERING
(36-37 credits)

COMP 202* Introduction to Computing 1 (3)
COMP 206 Introduction to Software Systems (3)
COMP 250 Introduction to Computer Science (3)
COMP 251 Data Structures and Algorithms (3)
COMP 302 Programming Languages and Paradigms (3)
COMP 303 Software Development (3)
COMP 304 Object-oriented Design (3)
COMP 421 Database Systems (3)
MATH 223 Linear Algebra (3)
MATH 240 Discrete Structures 1 (3)

* Students who have sufficient knowledge in a programming language do not need to take COMP 202 and can replace it with additional computer science complementary course credits.

Complementary Courses (6-7 credits)
COMP 325 Software Engineering Methods (3)
or ECSE 321 Introduction to Software Engineering (3)
COMP 322 Introduction to C++ (1)
COMP 361 Systems Development Project (3)
COMP 529 Software Architecture (3)
COMP 533 Object-Oriented Software Development (3)
Or any computer science course at the 300-level or above, excluding COMP 364, COMP 396, and COMP 431.

PROPOSED 2010/11
MAJOR CONCENTRATION IN SOFTWARE ENGINEERING MAJOR CONCENTRATION IN SOFTWARE ENGINEERING
(36-37 credits)

COMP 202* Introduction to Computing 1 (3)
COMP 206 Introduction to Software Systems (3)
COMP 250 Introduction to Computer Science (3)
COMP 251 Data Structures and Algorithms (3)
COMP 273 Introduction to Computer Systems (3)
COMP 302 Programming Languages and Paradigms (3)
COMP 303 Software Development (3)
COMP 304 Software Development (3)
COMP 421 Database Systems (3)
MATH 223 Linear Algebra (3)
MATH 240 Discrete Structures 1 (3)

* Students who have sufficient knowledge in a programming language do not need to take COMP 202 and can replace it with additional computer science complementary course credits.

Complementary Courses (6-7 credits)
COMP 322 Introduction to C++ (1)
COMP 361 Systems Development Project (6)
COMP 529 Software Architecture (3)
COMP 533 Object-Oriented Software Development (3)
Or any computer science course at the 300-level or above, excluding COMP 364, COMP 396, and COMP 431.
8.0 Consultation with Related Units
☐ Yes  ☐ No
Financial Consult
☐ Yes  ☐ No

Attach list of consultations

9. Approvals
Routing Sequence | Name | Signature | Date
--- | --- | --- | ---
Department
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