## 1.0 Degree Title

Specify the two degrees for concurrent degree programs

<table>
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<th>B.Sc.</th>
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## 1.1 Major (Legacy = Subject) (30 char. max.)

| Liberal Program: Core Science Component in Software Engineering |

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

| Liberal Program: Core Science Component in Software Engineering |

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

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## 1.4 Category

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<th>Faculty Program (FP)</th>
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<td>Major Concentration (CON)</td>
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<td>Non-Thesis (N)</td>
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<td>Minor Concentration (CON)</td>
<td>Other</td>
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## 1.5 Co-Complete Program Title

| Liberal Program: Core Science Component in Software Engineering |

## 2.0 Administering Faculty/Unit

| Science |

## 3.0 Effective Term of revision or retirement

Please give reasons in 5.0 “Rationale” in the case of retirement

| Term: 201209 |

## 4.0 Existing Credit Weight

| 48-49 |

## 5.0 Rationale for revised program

These are minor corrections that are due to course title changes and course retirements. Furthermore, the original description did not exclude COMP 400 as it should (only our honours programs contain COMP 400). This mistake was corrected.

## 6.0 Revised Program Description (Maximum 150 words)

These are minor corrections that are due to course title changes and course retirements. Furthermore, the original description did not exclude COMP 400 as it should (only our honours programs contain COMP 400). This mistake was corrected.
7.0 List of existing program and proposed program

**Existing program as of Calendar 2010/2011**

### Core Science Component in Software Engineering (48-49 credits)

#### Required Courses (36 credits)
- COMP 202 (3) Introduction to Computing 1
- COMP 250 (3) Introduction to Computer Science
- COMP 251 (3) Data Structures & Algorithms
- COMP 206 (3) Introduction to Software Systems
- COMP 273 (3) Introduction to Computer Systems
- COMP 302 (3) Programming Languages & Paradigms
- COMP 303 (3) Software Development
- COMP 310 (3) Operating Systems
- COMP 361D1 (3), COMP 361D2 (3) Software Engineering Project
- MATH 223 (3) Linear Algebra
- MATH 240 (3) Discrete Structures 1

#### Complementary Courses (12-13 credits)

- 3 credits selected from:
  - COMP 330 (3) Theoretical Aspects: Computer Science
  - COMP 360 (3) Algorithm Design Techniques

- 9-10 credits selected from:
  - COMP 322 (1) Introduction to C++
  - COMP 409 (3) Concurrent Programming
  - COMP 421 (3) Database Systems
  - COMP 435 (3) Basics of Computer Networks
  - Or COMP 535 (3) Computer Networks 1
  - COMP 520 (4) Compiler Design
  - COMP 525 (3) Formal Verification
  - COMP 529 (4) Software Architecture
  - COMP 533 (3) Object-oriented Software Development

Or any computer science course at the 300-level or above, excluding COMP 364, COMP 396, and COMP 431.

### REVISED Program

### Core Science Component in Software Engineering (48-49 credits)

#### Required Courses (36 credits)
- COMP 202 (3) Foundations of Programming
- COMP 250 (3) Introduction to Computer Science
- COMP 251 (3) Algorithms and Data Structures
- COMP 206 (3) Introduction to Software Systems
- COMP 273 (3) Introduction to Computer Systems
- COMP 302 (3) Programming Languages & Paradigms
- COMP 303 (3) Software Development
- COMP 310 (3) Operating Systems
- COMP 361D1 (3), COMP 361D2 (3) Software Engineering Project
- MATH 223 (3) Linear Algebra
- MATH 240 (3) Discrete Structures 1

#### Complementary Courses (12-13 credits)

- 3 credits selected from:
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  - COMP 409 (3) Concurrent Programming
  - COMP 421 (3) Database Systems
  - COMP 435 (3) Basics of Computer Networks
  - Or COMP 535 (3) Computer Networks 1
  - COMP 520 (4) Compiler Design
  - COMP 525 (3) Formal Verification
  - COMP 529 (4) Software Architecture
  - COMP 533 (3) Object-oriented Software Development

Or any computer science course at the 300-level or above, excluding COMP 364, COMP 396, and **COMP 400**.
8.0 Consultation with Related Units  □ Yes  □ No  Financial Consult  □ Yes  □ No

Attach list of consultations

9. Approvals

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<th>Routing Sequence</th>
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<th>Date</th>
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Submitted by

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To be completed by ARR:

CIP Code