



1.0 Liberal Program: Core Science Component in Software Engineering	2.0 Administering Faculty/Unit <input type="text" value="Science"/>																
1.1 <input type="text" value="B.Sc."/>	Offering Faculty/Department <input type="text" value="Computer Science"/>																
1.2 Concentration (Legacy = Concentration/Option) If applicable (30 char. max.) <input type="text" value="Liberal Program: Core Science Component in Software Engineering"/>	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: <input type="text" value="201209"/>																
1.3 Minor (with Concentration, if applicable) (30 char. max.)	4.0 Existing Credit Weight Proposed Credit Weight <input type="text" value="48-49"/> <input type="text" value="48-49"/>																
1.4 Category <table border="0"> <tr> <td>Faculty Program (FP)</td> <td>Honours (HON)</td> </tr> <tr> <td>Major</td> <td>Joint Honours Component (HC)</td> </tr> <tr> <td>Joint Major</td> <td>Internship/Co-op</td> </tr> <tr> <td>Major Concentration (CON)</td> <td>Thesis (T)</td> </tr> <tr> <td>Minor</td> <td>Non-Thesis (N)</td> </tr> <tr> <td>Minor Concentration (CON)</td> <td>Other</td> </tr> <tr> <td></td> <td>Please specify</td> </tr> <tr> <td></td> <td><input type="text" value="Core Science Component"/></td> </tr> </table>	Faculty Program (FP)	Honours (HON)	Major	Joint Honours Component (HC)	Joint Major	Internship/Co-op	Major Concentration (CON)	Thesis (T)	Minor	Non-Thesis (N)	Minor Concentration (CON)	Other		Please specify		<input type="text" value="Core Science Component"/>	5.0 Rationale for revised program <div style="border: 1px solid black; padding: 5px;"> <p>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.</p> </div> <div style="text-align: right; margin-top: 20px;"> <input type="checkbox"/> </div>
Faculty Program (FP)	Honours (HON)																
Major	Joint Honours Component (HC)																
Joint Major	Internship/Co-op																
Major Concentration (CON)	Thesis (T)																
Minor	Non-Thesis (N)																
Minor Concentration (CON)	Other																
	Please specify																
	<input type="text" value="Core Science Component"/>																
1.5 <input type="text" value="Liberal Program: Core Science Component in Software Engineering"/>																	

6.0 Revised Program Description (Maximum 150 words)

<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
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7.0 List of existing program and proposed program

Existing program as of Calendar 2010/2011

REVISED Program

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

Required Courses (36 credits)

COMP 202 (3) Intro to Computing 1
COMP 250 (3) Intro to Computer Science
COMP 251 (3) Data Structures & Algorithms
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), 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.

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:

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 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.

Attach extra page(s) as needed

8.0 Consultation with
Related Units

Yes No

Financial Consult Yes No

Attach list of consultations

9. Approvals

Routing Sequence	Name	Signature	Date
Department	<input type="text"/>	<input type="text"/>	<input type="text"/>
Curric/Acad Committee	<input type="text"/>	<input type="text"/>	<input type="text"/>
Faculty 1	<input type="text"/>	<input type="text"/>	<input type="text"/>
Faculty 2	<input type="text"/>	<input type="text"/>	<input type="text"/>
Faculty 3	<input type="text"/>	<input type="text"/>	<input type="text"/>
SCTP	<input type="text"/>	<input type="text"/>	<input type="text"/>
GS	<input type="text"/>	<input type="text"/>	<input type="text"/>
APPC	<input type="text"/>	<input type="text"/>	<input type="text"/>
Senate	<input type="text"/>	<input type="text"/>	<input type="text"/>

Submitted by

Name

Phone

Email

Submission Date

To be completed by ARR:

CIP Code