



1.0 <input type="text" value="B.A. & Sc."/>	2.0 Administering Faculty/Unit <input type="text" value="Science"/>
1.1 <input type="text" value="Major Concentration in Computer Science"/>	Offering Faculty/Department <input type="text" value="Computer Science"/>
1.2 Concentration (Legacy = Concentration/Option) If applicable (30 char. max.) <input type="text" value="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: <input type="text" value="201201"/>
1.3 Minor (with Concentration, if applicable) (30 char. max.)	4.0 Existing Credit Weight Proposed Credit Weight <input type="text" value="36"/> <input type="text" value="36"/>
1.4 Category Faculty Program (FP) Honours (HON) Major Joint Honours Joint Major Component (HC) Major Concentration (CON) Internship/Co-op Minor Thesis (T) Minor Concentration (CON) Non-Thesis (N) Other Please specify <input type="text"/>	5.0 Rationale for revised program <input type="text" value="These are minor changes due to course retirements (COMP 203, COMP 431) and course title changes. ECSE 508 is removed from the list of complementary courses as the instructor teaching this course has left and the future of this course is not clear."/>
1.5 <input type="text" value="Major Concentration in Computer Science"/>	

6.0 Revised Program Description (Maximum 150 words)

7.0 List of existing program and proposed program

Existing program as of Calendar 2010/2011 online

Revised program

Major Concentration in Computer Science (36 credits)

Required Courses (21 credits)

COMP 202* (3) Introduction to Computing 1
COMP 203** (3) Introduction to Computing 2
COMP 206 (3) Introduction to Software Systems
COMP 250** (3) Introduction to Computer Science
COMP 251 (3) Data Structures & Algorithms
COMP 273 (3) Introduction to Computer Systems
MATH 222 (3) Calculus 3
MATH 240 (3) Discrete Structures 1

*Students who have sufficient knowledge in a programming language are not required to take COMP 202 but can replace with an additional computer science complementary course.

** Students take either COMP 203 or COMP 250 but not both.

Complementary Courses (15 credits)

3-6 credits from:

MATH 223 (3) Linear Algebra
MATH 318 (3) Mathematical Logic
MATH 323 (3) Probability
MATH 324 (3) Statistics
MATH 340 (3) Discrete Structures 2

At least 3 credits from:

COMP 330 (3) Theoretical Aspects: Computer Science
COMP 350 (3) Numerical Computing
COMP 360 (3) Algorithm Design Techniques

At least 3 credits from:

COMP 302 (3) Programming Languages & Paradigms
COMP 303 (3) Software Development

The remaining credits are selected from Computer Science (COMP) courses at 300-level or above excluding COMP 364, COMP 396, COMP 400, COMP 431.

The following courses may also be taken:

COMP 230 (3) Logic & Computability
ECSE 508 (3) Multi-Agent Systems

Major Concentration in Computer Science (36 credits)

Required Courses (21 credits)

COMP 202* (3) **Foundations of Programming**
~~COMP 203** (3) Introduction to Computing 2~~
COMP 206 (3) Introduction to Software Systems
COMP 250** (3) Introduction to Computer Science
COMP 251 (3) **Algorithms and Data Structures**
COMP 273 (3) Introduction to Computer Systems
MATH 222 (3) Calculus 3
MATH 240 (3) Discrete Structures 1

*Students who have sufficient knowledge in a programming language are not required to take COMP 202 but can replace with an additional computer science complementary course.

~~** Students take either COMP 203 or COMP 250 but not both.~~

Complementary Courses (15 credits)

3-6 credits from:

MATH 223 (3) Linear Algebra
MATH 318 (3) Mathematical Logic
MATH 323 (3) Probability
MATH 324 (3) Statistics
MATH 340 (3) Discrete Structures 2

At least 3 credits from:

COMP 330 (3) **Theory of Computation**
COMP 350 (3) Numerical Computing
COMP 360 (3) **Algorithm Design**

At least 3 credits from:

COMP 302 (3) Programming Languages & Paradigms
COMP 303 (3) Software Development

The remaining credits are selected from **COMP 230 and COMP courses** at 300-level or above (**except COMP 364, COMP 396, COMP 400, COMP 431.**

The following courses may also be taken:

COMP 230 (3) Logic & Computability
ECSE 508 (3) Multi-Agent Systems

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