



<p>1.0 Degree Title Specify the two degrees for concurrent degree programs</p> <p>M.Sc.</p> <p>1.1 Major (Legacy= Subject) (30-char. max.)</p> <p>Computer Science</p> <p>1.2 Concentration (Legacy = Concentration/Option) If applicable (30 char. max.)</p> <p>Bioinformatics</p> <p>1.3 Minor (with Concentration, if applicable) (30 char. max.)</p> <p></p> <p>1.4 Category</p> <table border="0"> <tr> <td><input type="checkbox"/> Faculty Program (FP)</td> <td><input type="checkbox"/> Honours (HON)</td> </tr> <tr> <td><input type="checkbox"/> Major</td> <td><input type="checkbox"/> Joint Honours Component (HC)</td> </tr> <tr> <td><input type="checkbox"/> Joint Major</td> <td><input type="checkbox"/> Internship/Co-op</td> </tr> <tr> <td><input type="checkbox"/> Major Concentration (CON)</td> <td><input checked="" type="checkbox"/> Thesis (T)</td> </tr> <tr> <td><input type="checkbox"/> Minor</td> <td><input type="checkbox"/> Non-Thesis (N)</td> </tr> <tr> <td><input type="checkbox"/> Minor Concentration (CON)</td> <td><input type="checkbox"/> Other</td> </tr> </table> <p>Please specify</p> <p></p> <p>1.5 Complete Program Title</p> <p>M.Sc. in Computer Science (Thesis) - Bioinformatics Option/Concentration</p>	<input 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 checked="" type="checkbox"/> Thesis (T)	<input type="checkbox"/> Minor	<input type="checkbox"/> Non-Thesis (N)	<input type="checkbox"/> Minor Concentration (CON)	<input type="checkbox"/> Other	<p>2.0 Administering Faculty/Unit</p> <p>Graduate Studies</p> <p>Offering Faculty/Department</p> <p>Science / School of Computer Science</p> <p>3.0 Effective Term of revision or retirement Please give reasons in 8.0 "Rationale" in the case of retirement (Ex. Sept. 2004 = 200409)</p> <p>Term</p> <p>201001</p> <p>4.0 Existing Credit Weight Proposed Credit Weight</p> <p>49 45</p> <p>5.0 Description (Maximum 150 words)</p> <p></p>
<input 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 checked="" type="checkbox"/> Thesis (T)												
<input type="checkbox"/> Minor	<input type="checkbox"/> Non-Thesis (N)												
<input type="checkbox"/> Minor Concentration (CON)	<input type="checkbox"/> Other												

<p>6.0 List of existing program and proposed program</p> <p>Existing program (list courses as follows: Subj Code/Crse Num, Title, Credit weight, under the headings of: Required Courses, Complementary Courses, Elective Courses)</p> <p>M.Sc. in Computer Science - Bioinformatics Option/Concentration (49 credits)</p> <p>Required Courses (7 credits) COMP 601 (4) Special Topics in Computer Science COMP 616 (3) Bioinformatics Seminar</p> <p>Complementary Courses (18 credits) 6 credits from the following courses: BINF 621 (3) Bioinformatics: Molecular Biology BMDE 652 (3) Bioinformatics: Proteomics BTEC 555 (3) Structural Bioinformatics COMP 618 (3) Bioinformatics: Functional Genomics PHGY 603 (3) Systems Biology and Biophysics</p> <p>Three 4-credit courses chosen from 500, 600, or 700 level Computer Science courses in consultation with the candidate's supervisor.</p> <p>Thesis Component – Required (24 credits) COMP 698 (9) Thesis Research 1 COMP 699 (15) Thesis Research 2</p>	<p>Proposed program (list courses as follows: Subj Code/Crse Num, Title, Credit weight, under the headings of: Required Courses, Complementary Courses, Elective Courses)</p> <p>M.Sc. in Computer Science - Bioinformatics Option/Concentration (45 credits)</p> <p>Required Courses (3 credits) COMP 616 (3) Bioinformatics Seminar</p> <p>Complementary Courses (18 credits) 6 credits from the following courses: BINF 621 (3) Bioinformatics: Molecular Biology BMDE 652 (3) Bioinformatics: Proteomics BTEC 555 (3) Structural Bioinformatics COMP 618 (3) Bioinformatics: Functional Genomics PHGY 603 (3) Systems Biology and Biophysics</p> <p>Three 4-credit courses chosen from 500, 600, or 700 level Computer Science courses in consultation with the candidate's supervisor. Note: Students in the B.Sc./M.Sc. (Thesis) track can substitute one 4-credit course by COMP 697.</p> <p>Thesis Component – Required (minimum 24 credits) at least 24 credits, selected from: COMP 691 (2) Thesis Research 1 COMP 696 (3) Thesis Research 2 COMP 697 (4) Thesis Research 3 COMP 698 (9) Thesis Research 4 COMP 699 (15) Thesis Research 5</p>
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7.0 Consultation with Related Units	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Yes	No	Financial Consult	<input type="checkbox"/>	<input type="checkbox"/>	Yes	No
Attach list of consultations.									

8.0	This modification achieves several purposes: <ol style="list-style-type: none"> 1) It allows the implementation of the new B.Sc./M.Sc. (Thesis) track. 2) It reduces to 45 the number of credits for the Bioinformatics Option. This is achieved by removing COMP 601 (reading course) from the list of required courses. 3) To afford additional flexibility to students who need to maintain a full time registration status, we introduce three new thesis courses, COMP 691 (2 credits), COMP 696 (3 credits), and COMP 697 (4 credits). The total number of required thesis credits remains unchanged.
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9.0 Approvals

Routing Sequence	Name	Signature	Date
Department	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>
Curric/Acad Committee	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>
Faculty 1	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>
Faculty 2	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>
Faculty 3	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>
SCTP	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>
GS	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>
APPC	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>
Senate	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>
Submitted by			

Name	<input style="width: 100%;" type="text"/>	To be completed by ARR:
Phone	<input style="width: 100%;" type="text"/>	CIP Code
Email	<input style="width: 100%;" type="text"/>	
Submission Date	<input style="width: 100%;" type="text"/>	