Computing Science JOINT HONORS (Bioinformatics) GRADUATION PLAN

For students approved as Majors beginning Fall 2006 onwards

Student Name: ___________________________ Student #: ___________________________ Date: ____________

Credential Designation: APSC BSc ☐ or SCIENCE BSc ☐ Semester Approved: ____________

Other Major/Minor: ___________________________ Email: ___________________________

Computing Advisor: ___________________________ MBB Advisor: ___________________________

1. LOWER DIVISION REQUIREMENTS (or equivalents):

<table>
<thead>
<tr>
<th>Core Courses</th>
<th>Lower Division Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Q) CMPT 126 or 125</td>
<td>(Q) CMPT 225</td>
</tr>
<tr>
<td>(Q) MATH 151 or 150</td>
<td>(Q) MACM 101</td>
</tr>
<tr>
<td>(B-Sci) BISC 101</td>
<td>(B-Sci) BISC 102</td>
</tr>
<tr>
<td>CHEM 281</td>
<td>CHEM 282</td>
</tr>
</tbody>
</table>

PHYS (see reverse): ___________________________  PHYS (see reverse): ___________________________  CHEM (see reverse): ___________________________

2. UPPER DIVISION REQUIREMENTS:

REQUIRED COURSES:

- CMPT 307 ☐
- CMPT 320 ☐
- CMPT 354 ☐
- CMPT 441 ☐
- MBB 308 ☐
- MBB 331 ☐
- MBB 441 ☐
- STAT 302 ☐

ELECTIVE COURSES:

List 1: (at least 2 courses from the following):

- CMPT 305 ☐
- CMPT 310 ☐
- CMPT 340 ☐
- CMPT 361 ☐
- MACM 316 ☐
- MBB 321 ☐

List 2: (at least 3 courses from the following):

- CMPT 405 ☐
- CMPT 413 ☐
- CMPT 419 ☐
- CMPT 454 ☐
- MBB 423 ☐
- MBB 331 ☐
- MBB 435 ☐
- MBB 438 ☐
- MBB 442 ☐

WQB Writing Requirement. [W] CMPT 376 ☐ or [W] MBB 309 ☐

Honors requirements:

- CMPT 4XX ☐
- CMPT 4XX ☐
- MBB 496 ☐

Additional Courses (required to bring total upper division units to 60):

Optional Co-operative Education

- CMPT 426 ☐
- CMPT 427 ☐
- CMPT 428 ☐
- CMPT 429 ☐
- CMPT 430 ☐

Required: ☐

Electives: ☐

Other courses needed for graduation:

Unit Hours: 120 – ( ) = Total Upper Division Units needed: 45 – ( ) =
Computing Science JOINT HONORS (Bioinformatics) GRADUATION PLAN regulations

1. LOWER DIVISION REQUIREMENTS (or equivalents):
CMPT 128 may be used as a substitute for CMPT 126 or 125.

PHYSICS Requirement (6 units):
Students must complete two courses, with one course chosen from each list below:

- PHYS 101, 120, 125, 140.
- PHYS 102, 121, 126, 141.

CHEMISTRY. Students are strongly encouraged to take CHEM 286.

WQB requirements.
Students need to complete 3 units of Writing (W), 6 units of Breadth Social (B-Soc), and 6 units of Breadth Humanities (B-Hum).
Note: Both the Breadth Science (B-Sci) and Undesignated Breadth (UB) WQB graduation requirements will be met by completing the lower division requirements of the major.

Some courses may fulfill two requirements. For instance, a course may count as both a Q and a B, a W and a B, or a W and a Q. No course, however, may fulfill two B requirements. Some courses may have multiple B designations (such as B-Soc and B-Hum), but students will have to select one designation for their requirement. For complete WQB regulations please refer to http://www.sfu.ca/ugcr/For_Students/

2. UPPER DIVISION REQUIREMENTS:
Required courses (24 units). Students must complete all courses listed in the required column.

Elective courses (15 units). Students must complete at least 2 courses from List 1 and at least 3 courses from List 2.

WQB Requirement (3 or 4 units). Students must complete (W) CMPT 376-3 or (W) MBB 309-4.

Honors requirements. Students must take 6 units of any 400-level CMPT course work. Students must also complete 6 units of research related MBB, which can be satisfied by taking MBB 496.

Additional course[s]. Students must complete 5 - 6 additional units of upper division course work in any subject to bring their total upper division units to 60.

Faculty of Applied Science Requirements: At least two thirds of the total Upper Division units in the program must have been completed at Simon Fraser University. Please refer to current SFU calendar for details.

Students wishing to graduate with a BSc from the Faculty of Science should contact the MBB advisor directly.

3. CO-OPERATIVE EDUCATION. Combines work experience with academic studies—all students are encouraged to apply. Co-op is not mandatory; however, students completing 3 co-op placements will receive a certificate of completion while students completing 4 or more co-op placements will receive the co-op designation on their transcript and parchment. Joint major students can opt to take a combination of CMPT &/or MBB co-op courses up to a maximum of 5.

This is a Guideline only. For full regulations refer to the SFU Calendar.