Name: _____________________________________   Credential Designation: Date                        ___________
Student ID: _________________________________
Email: _____________________________________
Advisor: ___________________________________

### 1. LOWER DIVISION REQUIREMENTS:
Students must complete all of the following

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Code</th>
<th>Course Code</th>
<th>Course Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMPT 120</td>
<td>CMPT 125</td>
<td>CMPT 127</td>
<td>CMPT 150</td>
</tr>
<tr>
<td>MACM 101</td>
<td>MACM 201</td>
<td>MATH 151 or 150</td>
<td>CHEM 121</td>
</tr>
<tr>
<td>CMPT 275</td>
<td>MATH 152</td>
<td>MATH 232 or 240</td>
<td>CHEM 122</td>
</tr>
<tr>
<td>MBB 222</td>
<td>BIOL 101</td>
<td>PHYS 101 &amp; 102, or 120 &amp; 121, or 125 &amp; 126, or 140 &amp; 141</td>
<td></td>
</tr>
<tr>
<td>MBB 231</td>
<td>BIOL 102</td>
<td>(WQB) W</td>
<td>(WQB) B-HUM</td>
</tr>
<tr>
<td>MBB 308</td>
<td>BIOL 202</td>
<td>(WQB) B-SOC</td>
<td>(WQB) B-HUM</td>
</tr>
<tr>
<td>MBB 331</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MBB 342</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>STAT 302</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 2. UPPER DIVISION REQUIREMENTS:

**REQUIRED COURSES:**
- Complete all
- CMPT 307
- CMPT 320
- CMPT 354
- CMPT 441
- MBB 308
- MBB 331
- MBB 342
- STAT 302

**ELECTIVE COURSES:**
- List One
  - Choose at least two
  - CMPT 305
  - CMPT 310
  - CMPT 340
  - CMPT 361
  - MACM 316
  - MBB 321

**ADDITIONAL COURSES:**
- List Two
  - Choose at least three
  - CMPT 405
  - CMPT 413
  - CMPT 419
  - CMPT 454
  - MBB 438
  - MBB 441
  - MBB 442
  - MBB 461
  - MBB 462

**Upper division electives must total a minimum of 44 units. Course(s):**

- ____________________________
- ____________________________

**WQB REQUIREMENT:**
- CMPT 376W or MBB 309W

### Faculty of Science and
Faculty of Applied Sciences
Credential Requirements:
(see reverse)

3. **Optional Co-operative Education**

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

Required courses: ____________________________

Elective courses required: ____________________________

Additional Elective required: ____________________________

Other courses required for graduation: ____________________________

120 units required: Current: _______ Required: _________

44 UD units required: Current: _______ Required: _________
1. LOWER DIVISION REQUIREMENTS (or equivalents):

WQB requirements: Students are required to complete 6 units of writing (W), 6 units of Breadth Science (B-Sci), 6 units of Breadth Social Science (B-Soc), 6 units of Breadth Humanities (B-Hum) and 6 units of Undesignated Breadth (UB).

Some WQB courses may fulfill two requirements. Some courses have multiple designations. For complete WQB regulations please refer to http://www.sfu.ca/ugcr/for_students.html.

2. UPPER DIVISION REQUIREMENTS:

Required courses - Students must complete all courses listed in the required column.

Elective courses - Students must complete at least 2 courses from List 1 and at least 3 courses from List 2.

Must have a minimum of 44 Upper Division units

WQB Requirement - Students must complete their upper division W with CMPT 376-3 or (W) MBB 309-4.

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

Faculty of Applied Sciences 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 the current SFU calendar for full details.

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 receive a certificate of completion while students completing 4 or more co-op placements receive a co-op designation on their transcript and parchment. Note: You cannot graduate on a coop term. Please contact the Coop office for full details.

Questions? Contact an Applied Sciences Advisor at asadvise@sfu.ca, or view our advising schedule for drop-in and booked advising: http://www.sfu.ca/fas/current-student/advising.html.