

**JOINT MAJOR  
COMPUTING SCIENCE AND MOLECULAR BIOLOGY AND BIOCHEMISTRY**

**ACADEMIC PLANNING FORM FOR STUDENTS BEGINNING FALL 2019 ONWARDS**

Name: \_\_\_\_\_ Credential Designation: \_\_\_\_\_ Date \_\_\_\_\_  
 Student ID: \_\_\_\_\_  Applied Sciences BSc First term at SFU \_\_\_\_\_  
 Email: \_\_\_\_\_  Science BSc Term Approved \_\_\_\_\_  
 Advisor: \_\_\_\_\_

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

<input type="checkbox"/> CMPT 120*	<input type="checkbox"/> MACM 101	<input type="checkbox"/> CHEM 121	<input type="checkbox"/> STAT 270
<input type="checkbox"/> CMPT 125*	<input type="checkbox"/> MACM 201	<input type="checkbox"/> CHEM 122	<input type="checkbox"/> (WQB) B-HUM
<input type="checkbox"/> CMPT 127*	<input type="checkbox"/> MATH 151 or 150	<input type="checkbox"/> CHEM 281	<input type="checkbox"/> (WQB) B-HUM
<input type="checkbox"/> CMPT 225	<input type="checkbox"/> MATH 152	<input type="checkbox"/> CHEM 282 or 283	<input type="checkbox"/> (WQB) B-SOC
<input type="checkbox"/> CMPT 276	<input type="checkbox"/> MATH 232 or 240	<input type="checkbox"/> PHYS 101 & 102, or 120 & 121, or 125 & 126, or 140 & 141	<input type="checkbox"/> (WQB) B-SOC
<input type="checkbox"/> CMPT 295	<input type="checkbox"/> BISC 101		<input type="checkbox"/> (WQB) W
<input type="checkbox"/> MBB 222	<input type="checkbox"/> BISC 102		
<input type="checkbox"/> MBB 231	<input type="checkbox"/> BISC 202		

\*CMPT 130 and 135 are an acceptable alternative to CMPT 120, 125 and 127

**2. UPPER DIVISION REQUIREMENTS:**

**REQUIRED COURSES:**

**ELECTIVE COURSES:**

**ADDITIONAL COURSES:**

Complete all <input type="checkbox"/> CMPT 307 <input type="checkbox"/> CMPT 354 <input type="checkbox"/> CMPT 405 <input type="checkbox"/> CMPT 441 <input type="checkbox"/> MBB 308 <input type="checkbox"/> MBB 331 <input type="checkbox"/> MBB 342 <input type="checkbox"/> STAT 302	List One Choose at least two <input type="checkbox"/> CMPT 305 <input type="checkbox"/> CMPT 310 <input type="checkbox"/> CMPT 340 <input type="checkbox"/> CMPT 361 <input type="checkbox"/> MACM 316 <input type="checkbox"/> MBB 321	List Two Choose at least three <input type="checkbox"/> CMPT 413 <input type="checkbox"/> CMPT 419 <input type="checkbox"/> CMPT 454 <input type="checkbox"/> MBB 438 <input type="checkbox"/> MBB 441 <input type="checkbox"/> MBB 461 <input type="checkbox"/> MBB 462 <input type="checkbox"/> MBB 463 <input type="checkbox"/> MBB 464	Upper division electives must total a minimum of 45 units. Course(s): _____ _____
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**WQB REQUIREMENT:**

CMPT 376W or MBB 309W

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

**3. Optional Co-operative Education**

<input type="checkbox"/> CMPT 426
<input type="checkbox"/> CMPT 427
<input type="checkbox"/> CMPT 428
<input type="checkbox"/> CMPT 429
<input type="checkbox"/> CMPT 430

Required courses: \_\_\_\_\_  
 Elective courses required: \_\_\_\_\_  
 Additional Elective required: \_\_\_\_\_  
 Other courses required for graduation: \_\_\_\_\_  
 \_\_\_\_\_

120 units required: Current: \_\_\_\_\_ Required: \_\_\_\_\_  
 45 UD program units req'd: Current: \_\_\_\_\_ Required: \_\_\_\_\_

**ACADEMIC PLANNING FORM FOR STUDENTS BEGINNING FALL 2019 ONWARDS**

**1. LOWER DIVISION REQUIREMENTS (or equivalent):**

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](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 45 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 the Faculty of 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 [asadvice@sfu.ca](mailto:asadvice@sfu.ca), or view our advising schedule for drop-in and booked advising: <http://www.sfu.ca/fas/current-student/advising.html>.