

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

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

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

<input type="checkbox"/> CMPT 120 *	<input type="checkbox"/> MATH 232 or 240	<input type="checkbox"/> GEOG 100	<input type="checkbox"/> (WQB) B-HUM
<input type="checkbox"/> CMPT 125 *	<input type="checkbox"/> MACM 101	<input type="checkbox"/> GEOG 111	<input type="checkbox"/> (WQB) B-HUM
<input type="checkbox"/> CMPT 127 *	<input type="checkbox"/> MACM 201	<input type="checkbox"/> GEOG 253	<input type="checkbox"/> (WQB) B-SOC
<input type="checkbox"/> CMPT 225		<input type="checkbox"/> GEOG 255	<input type="checkbox"/> (WQB) B-SOC
<input type="checkbox"/> CMPT 276		<input type="checkbox"/> STAT 270 or GEOG 251	<input type="checkbox"/> (WQB) W
<input type="checkbox"/> CMPT 295	<input type="checkbox"/> One of: GEOG 213, OR GEOG 214, OR GEOG 215		
	<input type="checkbox"/> One of: GEOG 221, OR GEOG 241, OR GEOG 261		
	<input type="checkbox"/> One of: MATH 150, OR MATH 151, OR MATH 154**, OR MATH 157**		
	<input type="checkbox"/> One of: MATH 152, OR MATH 155** OR MATH 158**		

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

\*\*With a grade of B+ or better and permission of the School of Computing Science.

**2. UPPER DIVISION REQUIREMENTS:**

REQUIRED COURSES: ELECTIVE COURSES:

ADDITIONAL ELECTIVE:

<p>Complete <b>all</b>:</p> <input type="checkbox"/> CMPT 300 <input type="checkbox"/> CMPT 307 <input type="checkbox"/> CMPT 354 <input type="checkbox"/> CMPT 361 <input type="checkbox"/> CMPT 406 <input type="checkbox"/> CMPT 454 <input type="checkbox"/> GEOG 491 <input type="checkbox"/> MACM 316	<p>Choose <b>three</b> of:</p> <input type="checkbox"/> GEOG 351 <input type="checkbox"/> GEOG 352 <input type="checkbox"/> GEOG 353 <input type="checkbox"/> GEOG 355 <input type="checkbox"/> GEOG 356	<p>Choose <b>three</b> of:</p> <input type="checkbox"/> CMPT 363 <input type="checkbox"/> CMPT 371 <input type="checkbox"/> CMPT 384 <input type="checkbox"/> CMPT 412 <input type="checkbox"/> CMPT 461 <input type="checkbox"/> CMPT 470	<p>Choose <b>two</b> of:</p> <input type="checkbox"/> GEOG 451 <input type="checkbox"/> GEOG 453 <input type="checkbox"/> GEOG 455 <input type="checkbox"/> GEOG 457	<p><b>Four</b> additional UD units in physical or human geography: _____</p> <p><i>*Consult with the geography program advisor</i></p>
--	--	---	---	--

**WQB REQUIREMENT:**

CMPT 376W or  
GEOG 322W/389W/455W

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

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

**3. Optional Co-operative Education**

CMPT 426  
 CMPT 427  
 CMPT 428  
 CMPT 429  
 CMPT 430

132 units required: Current: \_\_\_\_\_ Required: \_\_\_\_\_  
 58 UD units required: Current: \_\_\_\_\_ Required: \_\_\_\_\_

---

ACADEMIC PLANNING FORM FOR STUDENTS BEGINNING FALL 2019 ONWARDS

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

MATH 154/157 may substitute MATH 151 or 150 and, MATH 155/158 may substitute MATH 152, with grades of B+ or better, and permission from the School.

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:**

- Students complete a total of 58 upper division units
- Required courses - Students must complete all courses listed in the required column.
- Elective courses - Students must select the appropriate number of courses from each column, as indicated
- Additional courses - Students must complete 4 additional units of upper division physical or human geography AND 3 additional units of upper division course work in any subject to bring their total upper division units to 45.

WQB Requirement - Students must complete their upper division W with CMPT 376-3 or GEOG 322W or GEOG 389W.

CGPA Requirement - Students must maintain a 2.5 cumulative grade point average (CGPA) to remain in the program.

**Faculty of Science Requirements:** In addition to the above requirements, students must also satisfy Faculty of Science major program requirements to complete a total of 120 units including

- additional upper division units to total a minimum of 44 upper division units (excluding EDUC 401 to 406)
- students who were enrolled at Simon Fraser University between fall 1991 and summer 2006 are required to complete a minimum of 12 units in subjects outside the Faculty of Science (excluding EDUC 401 to 406) including six units minimum to be completed in the Faculty of Arts and Social Sciences

**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](mailto:asadvise@sfu.ca), or view our advising schedule for drop-in and booked advising: <http://www.sfu.ca/fas/current-student/advising.html>.

---