

FOR STUDENTS APPROVED AS SOFTWARE SYSTEMS MAJORS BEGINNING Summer 2018

Student Name: _____ Student ID: _____ Date: _____

Admit Term: _____ Term Approved: _____ Other Major/Minor: _____ Email: _____

LOWER DIVISION REQUIREMENTS: Students must complete ALL of the following:

| SOFTWARE SYSTEMS (57 or 58 Units) | | | |
|--|-----------------------------------|---|--------------------------------------|
| CMPT 105W <input type="checkbox"/> | CMPT 225 <input type="checkbox"/> | MATH 151 OR 150 (UB) <input type="checkbox"/> | (WQB) B-SOC <input type="checkbox"/> |
| CMPT 106 <input type="checkbox"/> | CMPT 213 <input type="checkbox"/> | MACM 101 (B-SCI) <input type="checkbox"/> | (WQB) B-SOC <input type="checkbox"/> |
| CMPT 130 <input type="checkbox"/> | CMPT 276 <input type="checkbox"/> | MATH 232 (UB) <input type="checkbox"/> | (WQB) B-HUM <input type="checkbox"/> |
| CMPT 135 <input type="checkbox"/> | CMPT 295 <input type="checkbox"/> | MACM 201 <input type="checkbox"/> | (WQB) B-HUM <input type="checkbox"/> |
| MSE 110 <input type="checkbox"/> | | STAT 205* or 270 <input type="checkbox"/> | (WQB) B-SCI <input type="checkbox"/> |

UPPER DIVISION REQUIREMENTS: Students must complete ALL of the following (27 UD CS Units):

| FUNDAMENTALS (6 Units) | SYSTEMS (6 Units) | SOFTWARE ENGINEERING (9 Units) |
|------------------------------------|---|---|
| CMPT 307 <input type="checkbox"/> | CMPT 300 <input type="checkbox"/> | CMPT 373 <input type="checkbox"/> |
| CMPT 322W <input type="checkbox"/> | CMPT 371 <input type="checkbox"/> | CMPT 379 <input type="checkbox"/> |
| | ELECTIVES – Choose 1 of the following: (3 Units) | CMPT 473 <input type="checkbox"/> |
| | CMPT 354 <input type="checkbox"/> CMPT 470 <input type="checkbox"/> | ELECTIVES – Choose 1 of the following: (3 Units) |
| | CMPT 431 <input type="checkbox"/> CMPT 471 <input type="checkbox"/> | CMPT 383 <input type="checkbox"/> CMPT 477 <input type="checkbox"/> |
| | CMPT 433 <input type="checkbox"/> | CMPT 384 <input type="checkbox"/> |
| | CMPT 454 <input type="checkbox"/> | CMPT 474 <input type="checkbox"/> |

| ADDITIONAL UPPER DIVISION CS UNITS (9 Units) | Depth Requirement |
|---|--|
| CMPT/MACM <input type="checkbox"/> | Students must complete at least nine CMPT or MACM units at the 400 Division (eg: CMPT 433, CMPT 454, CMPT 474) |
| CMPT/MACM <input type="checkbox"/> | |
| CMPT/MACM <input type="checkbox"/> | Graduation Requirements – 120 Units Total |
| | 45 UD units (36 UD units specified by the major) |

| OPTIONAL CO-OPERATIVE EDUCATION (15 Units) | NOTES |
|---|--------------|
| CMPT 426 Practicum I <input type="checkbox"/> | |
| CMPT 427 Practicum II <input type="checkbox"/> | |
| CMPT 428 Practicum III <input type="checkbox"/> | |
| CMPT 429 Practicum IV <input type="checkbox"/> | |
| CMPT 430 Practicum V <input type="checkbox"/> | |

This graduation plan is a guideline only. Please refer to the [SFU calendar](#) for full details.

1. LOWER DIVISION REQUIREMENTS (or equivalents):

- MATH 154 or 157 may be substituted for either MATH 151 or 150, but only with a grade of B+ or better
- CMPT 213 should be taken after completing CMPT 225
- *STAT 205 replaced STAT 101 in Summer 2018 – students with credit for STAT 101 do not need to complete STAT 205

WQB requirements - Students need to complete:

- One Lower Division (LD) Writing Course (CMPT 105W)
- One Upper Division (UD) Writing Course (CMPT 322W)
- 6 units of Breadth Science (B-Sci)
- 6 units of Breadth Social (B-Soc)
- 6 units of Breadth Humanities (B-Hum)
- 6 units of Undesignated Breadth (UB)

Please refer to: http://www.sfu.ca/ugcr/for_students/wqb_requirements/breadth.html for courses that fulfill these requirements.

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 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.html

2. UPPER DIVISION REQUIREMENTS:

Required Courses - Students are required to complete all required courses from the Software Engineering, Systems, and Fundamentals areas.

Elective Courses - Students are required to select elective courses from the lists shown for each of the Software Engineering and Systems areas. *Students will have room to take additional elective credits in order to complete 120 credits required for graduation.*

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

3. CO-OPERATIVE EDUCATION

Combines work experience with academic studies—all students are encouraged to apply. Co-op is not mandatory; however, three work terms must be successfully completed in order to obtain an undergraduate degree with a co-op designation. For more information about Co-op, please see: <http://www.sfu.ca/coop/programs/cmpt/prospective.html>

4. ADVISING

Drop-In Advising is available at the Surrey campus for students in the Software Systems degree program. Please see the online calendar here <http://www.cs.sfu.ca/CourseCentral/adbooking/calendar.cgi> to view drop-in times or email fas_surrey@sfu.ca

Please bring a copy of your advising transcript (sorted by term and by course) with you to the advising session. The advising transcript can be printed from the Student Information System at gofsfu.ca.