

FOR STUDENTS APPROVED AS SOFTWARE SYSTEMS MAJORS BEGINNING FALL 2010

Student Name: _____ Student ID: _____ Date: _____

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

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

SYSTEMS ONE (15-18 Units)		SOFTWARE SYSTEMS (42-43 Units)			
CMPT 105W <input type="checkbox"/>		CMPT 225 <input type="checkbox"/>	MACM 101 (B-SCI) <input type="checkbox"/>	(WQB) B-SOC <input type="checkbox"/>	
CMPT 106 <input type="checkbox"/>		CMPT 212 <input type="checkbox"/>	MATH 232 OR 240 (UB) <input type="checkbox"/>	(WQB) B-SOC <input type="checkbox"/>	
CMPT 120/125 or 128 <input type="checkbox"/>		CMPT 250 <input type="checkbox"/>	MACM 201 <input type="checkbox"/>	(WQB) B-HUM <input type="checkbox"/>	
CMPT 150 <input type="checkbox"/>		CMPT 276 <input type="checkbox"/>	STAT 101 OR 270 <input type="checkbox"/>	(WQB) B-HUM <input type="checkbox"/>	
ENSC 182 <input type="checkbox"/>		MATH 151 OR 150 (UB) <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 (3 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"/>	ELECTIVES – Choose 2 of the following: (6 Units)		CMPT 379 <input type="checkbox"/>
	CMPT 170 <input type="checkbox"/>	CMPT 433 <input type="checkbox"/>	CMPT 473 <input type="checkbox"/>
	CMPT 354 <input type="checkbox"/>	CMPT 454 <input type="checkbox"/>	ELECTIVES – Choose 1 of the following: (3 Units)
	CMPT 371 <input type="checkbox"/>	CMPT 470 <input type="checkbox"/>	CMPT 383 <input type="checkbox"/> CMPT 474 <input type="checkbox"/>
	CMPT 401 <input type="checkbox"/>	CMPT 471 <input type="checkbox"/>	CMPT 384 <input type="checkbox"/> CMPT 477 <input type="checkbox"/>
	CMPT 432 <input type="checkbox"/>		

ADDITIONAL UD CS UNITS FROM TABLE 1 (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 Upper Division (UD) Units
	36 Upper Division (UD) CS Units

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"/>	

1. LOWER DIVISION REQUIREMENTS (or equivalents):

- Students will choose to complete CMPT 120 & CMPT 125, or CMPT 128
- CMPT 275 may be substituted for CMPT 276 (we strongly encourage students to take CMPT 276, offered at SFU Surrey)
- MATH 154 or 157 may be substituted for either MATH 151 or 150, but only with a grade of B+ or better
- CMPT 212 should be taken after completing CMPT 225

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_faculty/certified_wqb_courses.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/wqb_requirements.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 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, 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. For more information about Co-op, please see: <http://www.sfu.ca/coop/cmpt/home>