SOFTWARE SYSTEMS MAJOR **GRADUATION PLAN**

FOR STUDENTS APPROVED AS SOFTWARE SYSTEMS MAJORS BEGINNING FALL 2010

Student Name: _____ ___Student ID: _____Date: _____

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

LOWER DIVISON REQUIREMENTS: Students <u>must complete</u> all of the following

SYSTEMS ONE (15-18 Units)	**SOFTWARE SYSTEMS** (42-43 Units)		
CMPT 105W ☐	CMPT 225 ☐	MACM 101 (B-SCI) ☐	(WQB) B-SOC ☐
CMPT 106 ☐	CMPT 212 ☐	MATH 232 OR 240 (UB) ☐	(WQB) B-SOC ☐
CMPT 120/125 or 128 ☐	CMPT 250 ☐	MACM 201 ☐	(WQB) B-HUM ☐
CMPT 150 ☐	CMPT 276 ☐	STAT 101 OR 270 ☐	(WQB) B-HUM ☐
ENSC 182 ☐	MATH 151 OR 150 (UB) ☐		(WQB) B-SCI ☐

UPPER DIVISON REQUIREMENTS: Students <u>must complete</u> all of the following:

FUNDAMENTALS (6 Units)	**SYSTEMS** (3 Units)		**SOFTWARE ENGINEERING** (9 Units)	
CMPT 307 ☐	CMPT 300 ☐		CMPT 373 ☐	
CMPT 322W ☐ OR APPROVED ALTERNATIVE	**ELECTIVES – Choose 2 of the following:** (6 Units)		CMPT 379 ☐	
	CMPT 170 ☐	CMPT 433 ☐	CMPT 473 ☐	
	CMPT 354 ☐	CMPT 454 ☐	**ELECTIVES – Choose 1 of the following:** (3 Units)	
	CMPT 371 ☐	CMPT 470 ☐	CMPT 383 ☐	CMPT 474 ☐
	CMPT 401 ☐	CMPT 471 ☐	CMPT 384 ☐	CMPT 477 ☐
	CMPT 432 ☐			

ADDITIONAL UPPER DIVISION CS UNITS (12 units)	**Depth Requirement**
CMPT/MACM ☐	Students must complete at least nine CMPT or MACM units at the 400 Division.
CMPT/MACM ☐	
CMPT/MACM ☐	**Graduation Requirements – 120 Units Total**
CMPT/MACM ☐	45 Upper Division (UD) Units 39 Upper Division (UD) CS Units

OPTIONAL CO-OPERATIVE EDUCATION (15 Units)	**NOTES**
CMPT 426 Practicum I ☐	
CMPT 427 Practicum II ☐	
CMPT 428 Practicum III ☐	
CMPT 429 Practicum IV ☐	
CMPT 430 Practicum V ☐	

This is a guideline only. For full regulations refer to the SFU Calendar.

This graduation plan is a guideline only. Please refer to the SFU calendar for full details.

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 (we strongly encourage students to take CMPT 322W, offered at Surrey)
- 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