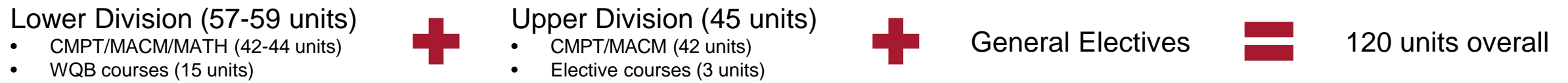Name: _____ Student ID: _____ Date: _____

PROGRAM REQUIREMENTS: OVERVIEW

A minimum of 120 units is required to complete the Bachelor of Science in Software Systems Program. This consists of:

Lower Division (57-59 units)
- CMPT/MACM/MATH (42-44 units)
- WQB courses (15 units)

+

Upper Division (45 units)
- CMPT/MACM (42 units)
- Elective courses (3 units)

+

General Electives

=

120 units overall

CONTINUANCE GPA: Students who do not maintain at least a 2.40 CGPA, will be placed **on probation in the School of Computing Science**. Courses available to probationary students may be limited. Each term, these students must consult an advisor prior to enrollment and must achieve either a term 2.40 GPA or an improved CGPA. **Students who fail to do so may be removed from the program.**

LOWER DIVISION REQUIREMENTS (100/200) – 57-59 units – Complete all of :

SOFTWARE SYSTEMS			
❑ CMPT 105W, ENSC 105W, MSE 101W, OR SEE 101W	❑ CMPT 225	❑ MATH 150 OR 151 (UB)	❑ (WQB) B-SOC
	❑ CMPT 276	❑ MATH 152 (UB)	❑ (WQB) B-SOC
❑ CMPT 130	❑ CMPT 295	❑ MATH 232 OR 240	❑ (WQB) B-HUM
❑ CMPT 135	❑ MACM 101 (B-SCI)	❑ MSE 110	❑ (WQB) B-HUM
❑ CMPT 213	❑ MACM 201	❑ STAT 205, STAT 270, OR BUS 232	❑ (WQB) B-SCI

UPPER DIVISION REQUIREMENTS (300/400) – 45 units – Complete all of:

REQUIRED (6 Units)
❑ CMPT 307
❑ CMPT 376W

SYSTEMS (12 Units)
❑ CMPT 300
AND CHOOSE 3 OF THE FOLLOWING:

❑ CMPT 354	❑ CMPT 454
❑ CMPT 371	❑ CMPT 470
❑ CMPT 431	❑ CMPT 471
❑ CMPT 433	

SOFTWARE ENGINEERING (12 Units)
❑ CMPT 373
❑ CMPT 473
AND CHOOSE 2 OF THE FOLLOWING:

❑ CMPT 379	❑ CMPT 474
❑ CMPT 383	❑ CMPT 477
❑ CMPT 384	

DEPTH REQUIREMENT (6 units)	
❑ ANY 3XX/4XX CMPT/MACM	❑ ANY 3XX/4XX CMPT/MACM

CAPSTONE PROJECT (6 Units)	
CHOOSE 1 OF THE SETS BELOW:	
All of: ❑ CMPT 494 ❑ CMPT 495	Two of: ❑ CMPT 379 ❑ CMPT 431 ❑ CMPT 433

UPPER DIVISION ELECTIVE (3 Units)
❑ ANY 3XX/4XX course

DEPTH REQUIREMENT (400-level units)
❑ At least 9 units of 400-level CMPT or MACM courses were completed as part of this degree

SUMMARY:

Requirement	Completed	+	In Progress	=	Total	->	Remaining
Total Units (min 120 units)							
Upper Division Units (min 45 units)							
CMPT Upper Division Units (min 42 units)							

NOTES:

ACADEMIC REQUIREMENTS:

- MATH 154 or 157 may be substituted for either MATH 151 or 150, but only with a grade of B+ or better with school permission
- MATH 155 or 158 may be substituted for MATH 152, but only with a grade of B+ or better with school permission
- CMPT 213 should be taken after completing CMPT 225
- Students must complete at least nine CMPT or MACM units at the 400 level (CMPT 473 and CMPT 4XX level courses that meet the Systems and Software Engineering upper division requirements can be double counted towards meeting this requirement); CMPT 415, 416, and 498 may only be included with permission of the School.
- Upper division (300/400) level courses may be used to satisfy the WQB requirements. Granted they have a WQB designation and are not CMPT courses.

Required Courses - Students are required to complete all required courses from the Software Engineering, Systems, Captstone Project and Lower Division areas.

Elective Courses - Students will have room to take additional elective credits in order to complete 120 credits required for graduation.

Faculty of Applied Science Residency 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.

Continuation Requirements:

Students who do not maintain at least a 2.40 CGPA, will be placed **on probation in the School of Computing Science**. Courses available to probationary students may be limited. Each term, these students must consult an advisor prior to enrollment and must achieve either a term 2.40 GPA or an improved CGPA. **Students who fail to do so may be removed from the program.**

WQB requirements - Students need to complete:

- One Lower Division (LD) Writing Course (CMPT 105W, ENSC 105W, MSE 101W, OR SEE 101W)
- One Upper Division (UD) Writing Course (CMPT 376W)
- 6 units of Breadth Science (B-Sci) (MACM 101 and one other B-Sci)
- 6 units of Breadth Social (B-Soc)
- 6 units of Breadth Humanities (B-Hum)
- 6 units of Undesignated Breadth (UB) (MATH 151 and MATH 152)

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

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

ADVISING

Drop-In Advising is available at the Surrey and Burnaby campus for students in the Software Systems degree program. Please see the online calendar here https://booking.cs.sfu.ca/adbooking/calendar.cgi to view drop-in times or email **asadvise@sfu.ca**

Please bring a copy of your advising transcript (download at go.sfu.ca) with you to the advising session.