DEGREE CHECKLIST 2018-2019	BACHELOR OF SCIENCE (BSc) COMPUTER SCIENCE Specialized Honours (Software Development Stream)
NAME	
STUDENT #	

Students are strongly advised to refer to online Academic Calendars before enrolling into courses: http://calendars.registrar.yorku.ca/

PREREQUISITES/COREQUISITES		COURSES		CREDITS EARNED	GRADE
First Year Courses					
	☐	LE/EECS 1001 1.00	Research Directions in Computing		
	☐	LE/EECS 1012 3.00	Introduction to Computer Science		
	☐	LE/EECS 1019 3.00	Discrete Mathematics for Computer Science		
	☐	LE/EECS 1022 3.00	Introduction to Software Development		
	☐	SC/MATH 1025 3.00	Applied Linear Algebra		
	☐	SC/MATH 1300 3.00	Differential Calculus with Applications		
	☐	SC/MATH 1310 3.00	Integral Calculus with Applications		
foundational science: **6 credits**	☐				
	☐				
Non-Science/Electives	☐				
	☐				
Second Year Courses					
	☐	SC/MATH 1090 3.00	Introduction to Logic for Computer Science		
	☐	SC/MATH 2030 3.00	Elementary Probability		
	☐	LE/EECS 2001 3.00	Introduction to the Theory of Computation		
	☐	LE/EECS 2011 3.00	Fundamentals of Data Structures		
	☐	LE/EECS 2021 4.00	Computer Organization		
	☐	LE/EECS 2030 3.00	Advanced Object Oriented Programming		
	☐	LE/EECS 2031 3.00	Software Tools		
	☐	LE/EECS 2311 3.00	Software Development Project		
General Education/Electives	☐				
	☐				

Notes

PREREQUISITES/COREQUISITES	COURSES			CREDITS EARNED	GRADE
Third Year Courses					
	☐	LE/EECS 3000 3.00	Professional Practice in Computing		
	☐	LE/EECS 3101 3.00	Design and Analysis of Algorithms		
	☐	LE/EECS 3311 3.00	Software Design		
	☐	LE/EECS 3342 3.00	System Specification and Refinement		
	☐	LE/EECS 3421 3.00	Introduction to Database Systems		
	☐	LE/EECS 3461 3.00	User Interfaces		
At least 3 credits from LE/EECS 3215 4.00, LE/EECS 3221 3.00	☐				
Non-Science/Electives	☐				
	☐				
	☐				
Fourth Year Courses					
	☐	LE/EECS 4090 6.00	Interactive Systems Project		
	☐	LE/EECS 4312 3.00	Software Engineering Requirements		
	☐	LE/EECS 4313 3.00	Software Engineering Testing		
At least 3 additional credits: LE/EECS 4101 3.00 or LE/EECS 4111 3.00 or LE/EECS 4115 3.00 for an overall total of *at least 65 credits* from computer science courses;	☐				
Additional elective credits, as required for a total of 120 credits of which at least 30 credits must be neither computer science nor mathematics. 18 of these 30 credits are satisfied by the general education requirement.	☐				
	☐				
	☐				
	☐				
	☐				

A. General Education Requirement:

non-science requirement: 12 credits; *mathematics:* satisfied within the core requirements; *computer science:* satisfied by the major requirements;
foundational science: six credits from SC/BIOL 1000 3.00, SC/BIOL 1001 3.00 (or SC/BIOL 1010 6.00),
SC/CHEM 1000 3.00, SC/CHEM 1001 3.00, SC/PHYS 1410 6.00 or SC/PHYS 1420 6.00 or SC/PHYS 1010 6.00.

B. Major Requirements (as stated on your degree checklist)

C. Science breadth:

24 credits in science disciplines outside the major, of which three credits must be at the 2000 level or above.
21 of these 24 credits, including 3 credits at the 2000 level, are satisfied by the above requirements.

D. Upper level requirement:

A minimum of 42 credits at the 3000 level or higher.

E**. Additional elective credits, as required,** for an overall total of 120 credits.

TOTAL CREDITS & CGPA (minimum cumulative GPA of 5.00 (C+) required to graduate with an Honours BSc degree)

General Prerequisite: Most 2000-, 3000-, and 4000-level EECS courses require the following general (that is, common) prerequisites, in addition to other course-specific prerequisites: a cumulative grade point average of 4.50 or better over all completed major EECS courses. Note: "Major" courses are all EECS courses with second digit other tha 5 and include LE/EECS 1028 3.00 (cross-listed to: SC/MATH 1028 3.00) and LE/EECS 1019 3.00 (cross-listed to: SC/MATH 1019 3.00).

Participation in the Co-op or internship option is highly recommended for students, but is not a degree requirement.