DEGREE CHECKLIST 2017-2018	BACHELOR OF SCIENCE (BSc) COMPUTER SCIENCE
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 Net-Centric Introduction to Computing		
	☐	LE/EECS 1019 3.00 Discrete Mathematics for Computer Science		
	☐	LE/EECS 1022 3.00 Programming for Mobile Computing		
	☐	SC/MATH 1300 3.00 Differential Calculus with Applications		
	☐	SC/MATH 1310 3.00 Integral Calculus with Applications		
foundational science: **6 additional credits**	☐			
	☐			
Non-Science/Electives	☐			
	☐			
NOTE: A linear algebra course such as MATH1025 3.00 is highly recommended.				
Second Year Courses				
	☐	SC/MATH 1090 3.00 Introduction to Logic for Computer Science		
	☐	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		
General Education/Electives	☐			
	☐			
	☐			
	☐			
Notes				

PREREQUISITES/COREQUISITES	COURSES		CREDITS EARNED	GRADE
	Third Year Courses			
	☐ LE/EECS 3101 3.00	Design and Analysis of Algorithms		
	☐ LE/EECS 3311 3.00	Software Design		
At least 3 credits from LE/EECS 3215 4.00, LE/EECS 3221 3.00	☐			
At least 3 credits from LE/EECS 3401 3.00, LE/EECS 3421 3.00, LE/EECS 3461 3.00	☐			
At least 6 additional credits from computer science courses at the 3000 level, for an overall total of at least 44 credits from computer science courses.	☐			
	☐			
General Education/Electives	☐			
	☐			
	☐			
	☐			
	☐			

A. General Education Requirement:
non-science requirement: 12 credits;
mathematics: satisfied within the core requirements;
computer science: satisfied by the major requirements;
foundational science: 6 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.
15 of these 24 credits are satisfied by the general education requirement.
D. Upper level requirement:
A minimum of 18 credits at the 3000 level or higher.
E. **Additional elective credits, as required,** for an overall total of 90 credits.

TOTAL CREDITS & CGPA (minimum cumulative GPA of 4.00 (C) required to graduate with a 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 than 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 TIP/PEP is highly recommended for all students, but is not a degree requirement.

Notes