DEGREE CHECKLIST 2019-2020	BACHELOR OF SCIENCE (BSc) COMPUTER SCIENCE Honours Major
NAME	
STUDENT #	

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

		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 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	☐				
	☐				
Non-Science/Electives	☐				
	☐				
	☐				

NOTE: A linear algebra course such as SC/MATH 1025 3.00 is highly recommended.

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 2030 3.00	Advanced Object Oriented Programming		
	☐	LE/EECS 2011 3.00	Fundamentals of Data Structures		
	☐	LE/EECS 2021 4.00	Computer Organization		
	☐	LE/EECS 2031 3.00	Software Tools		
Non-Science/Electives	☐				
	☐				
	☐				

Notes

		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		
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	☐			
Non-Science/Electives	☐			
	☐			
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	☐			
	☐			
Fourth Year Courses				
At least 12 credits from computer science courses at the 4000 level, for an overall total of at least 53 credits from computer science courses.	☐			
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	☐			
Additional elective credits, as required for a total of 120 credits of which at least 30 credits must be outside computer science, mathematics, statistics and information technology. 18 of these 30 credits are satisfied by the general education requirement.	☐			
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A. General Education Requirement:
non-science requirement: 12 credits from the approved list of courses and subject areas in your Academic Calendar;
mathematics: satisfied within the core requirements;
computer science: satisfied by the major requirements;
science: satisfied by the BIOL, CHEM, or PHYS labs as stated on your degree checklist.
B. Major Requirements:
As stated on your degree checklist.
C. Science Breadth:
24 credits in science disciplines outside the major, of which 3 credits must be at the 2000 level or above. 18 of these 24 credits, including 3 credits at the 2000 level are satisfied by the general education requirement. Not required if other major or minor is another science discipline.
D. Upper Level Requirement:
A minimum of 42 credits at the 3000 level or higher. This includes the EECS courses at the 3000 and 4000-level listed above.
E. Additional elective credits, as required, for an overall total of 120 credits.

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

Notes