



DEGREE CHECKLIST
2022-2023

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/>

			COURSES	CREDITS EARNED	GRADE
First Year Courses					
	<input type="checkbox"/>	LE/EECS 1001 1.00	Research Directions in Computing		
	<input type="checkbox"/>	LE/EECS 1012 3.00 or LE/EECS 1015 3.00	Net-Centric Introduction to Computing or Introduction to Computer Science and Programming		
	<input type="checkbox"/>	LE/EECS 1019 3.00	Discrete Mathematics for Computer Science		
	<input type="checkbox"/>	LE/EECS 1022 3.00	Introduction to Object Oriented Programming		
	<input type="checkbox"/>	SC/MATH 1300 3.00	Differential Calculus with Applications		
	<input type="checkbox"/>	SC/MATH 1310 3.00	Integral Calculus with Applications		
Foundational science: six credits from SC/BIOL 1000 3.00, SC/BIOL 1001 3.00, SC/CHEM 1000 3.00, SC/CHEM 1001 3.00, SC/PHYS 1011 3.00, SC/PHYS 1012 3.00, SC/PHYS 1010 6.00, SC/PHYS 1411 3.00, SC/PHYS 1412 3.00, SC/PHYS 1410 6.00, SC/PHYS 1421 3.00, SC/PHYS 1422 3.00, SC/PHYS 1420 6.00	<input type="checkbox"/>				
	<input type="checkbox"/>				
General Education and/or Science Breadth See sections "A" and "C" on page 2	<input type="checkbox"/>				
	<input type="checkbox"/>				
	<input type="checkbox"/>				

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

Second Year Courses					
	<input type="checkbox"/>	SC/MATH 1090 3.00	Introduction to Logic for Computer Science		
	<input type="checkbox"/>	LE/EECS 2001 3.00	Introduction to the Theory of Computation		
	<input type="checkbox"/>	LE/EECS 2030 3.00	Advanced Object Oriented Programming		
	<input type="checkbox"/>	LE/EECS 2011 3.00	Fundamentals of Data Structures		
	<input type="checkbox"/>	LE/EECS 2021 4.00	Computer Organization		
	<input type="checkbox"/>	LE/EECS 2031 3.00	Software Tools		
General Education and/or Science Breadth See sections "A" and "C" on page 2	<input type="checkbox"/>				
	<input type="checkbox"/>				
	<input type="checkbox"/>				
	<input type="checkbox"/>				

Notes

			COURSES	CREDITS EARNED	GRADE
Third Year Courses					
	<input type="checkbox"/>	LE/EECS 3101 3.00	Design and Analysis of Algorithms		
	<input type="checkbox"/>	LE/EECS 3311 3.00	Software Design		
At least 3 credits from LE/EECS 3215 4.00, LE/EECS 3221 3.00	<input type="checkbox"/>				
At least 3 credits from LE/EECS 3401 3.00, LE/EECS 3421 3.00, LE/EECS 3461 3.00	<input type="checkbox"/>				
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.	<input type="checkbox"/>				
	<input type="checkbox"/>				
Additional elective credits, as required, for an overall total of 90 credits	<input type="checkbox"/>				
	<input type="checkbox"/>				
	<input type="checkbox"/>				
	<input type="checkbox"/>				
<p>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.</p> <p>B. Major Requirements: As stated on your degree checklist.</p> <p>C. Science Breadth: In addition to the courses specified in the checklist, 9 credits are required in approved non-EECS science disciplines, of which 3 credits must be at the 2000-level or above.</p> <p>D. Upper Level Requirement: Upper level requirement is satisfied by EECS courses listed above.</p> <p>E. Additional elective credits, as required, for an overall total of 90 credits.</p>					
TOTAL CGPA (minimum cumulative GPA of 4.00 (C) required to graduate with a BSc degree)					
<p>EECS GPA Prerequisite: Most 2000-, 3000-, and 4000-level EECS courses require a cumulative GPA of 4.5 or better over all EECS major courses in addition to other course-specific prerequisites. 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).</p>					
Notes					
				BSc, Computer Science	Page 2 of 2