



**DEGREE CHECKLIST  
2022-2023**

**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/>

			<b>COURSES</b>	<b>CREDITS EARNED</b>	<b>GRADE</b>
<b>First Year Courses</b>					
	<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		
<b>Foundational science:</b> 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"/>				
<b>General Education and/or Science Breadth</b> 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.

<b>Second Year Courses</b>					
	<input type="checkbox"/>	SC/MATH 1090 3.00	Introduction to Logic for Computer Science		
	<input type="checkbox"/>	SC/MATH 2030 3.00	Elementary Probability		
	<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		
<b>General Education and/or Science Breadth</b> See sections "A" and "C" on page 2	<input type="checkbox"/>				
	<input type="checkbox"/>				
	<input type="checkbox"/>				

**Notes**

			COURSES	CREDITS EARNED	GRADE
<b>Third Year Courses</b>					
	<input type="checkbox"/>	LE/EECS 3000 3.00	Professional Practice in Computing		
	<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"/>				
Additional elective credits including 12 credits outside of EECS, STATS, MATH, and ITEC 15 credits at the 3000-level or higher	<input type="checkbox"/>				
	<input type="checkbox"/>				
	<input type="checkbox"/>				
	<input type="checkbox"/>				
<b>Fourth Year Courses</b>					
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.	<input type="checkbox"/>				
	<input type="checkbox"/>				
	<input type="checkbox"/>				
	<input type="checkbox"/>				
Completion of remaining - credits outside of EECS, STATS, MATH, and ITEC - credits at the 3000-level or higher - additional elective credits, as required, for a total of 120 credits	<input type="checkbox"/>				
	<input type="checkbox"/>				
	<input type="checkbox"/>				
	<input type="checkbox"/>				
<p><b>A. General Education Requirement:</b>  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>B. Major Requirements:</b>  As stated on your degree checklist.</p> <p><b>C. Science Breadth:</b>  In addition to the courses specified in the checklist, 6 credits at any level are required in approved non-EECS science disciplines.</p> <p><b>D. Upper Level Requirement:</b>  In addition to the upper year courses specified in the checklist, 15 credits at the 3000-level or higher are required.</p> <p><b>E. Additional elective credits, as required, for an overall total of 120 credits.</b></p>					
<b>TOTA CGPA</b> (minimum cumulative GPA of 5.00 (C+) required to graduate with an Honours BSc degree)					
<p><b>EECS GPA Prerequisite:</b>  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>					
Participation in the Co-op or internship option is highly recommended for students, but is not a degree requirement.					
<b>Notes</b>					
				BSc Honours, Computer Science	Page 2 of 2