



**DEGREE CHECKLIST
2024-2025**

**BACHELOR OF ARTS (BA) COMPUTER SCIENCE
Honours**

NAME

STUDENT #

Students are strongly advised to refer to online Academic Calendars before enrolling into courses:
<https://calendars.students.yorku.ca/academic-calendar#/programs>

		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		
Prerequisite: LE/EECS 1012 3.00 or LE/EECS 1015 3.00	<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		
Prerequisite: SC/MATH 1300 3.00 or SC/MATH 1013 3.00	<input type="checkbox"/>	SC/MATH 1310 3.00	Integral Calculus with Applications		
General Education/Electives See sections "A" and "B" on page 2	<input type="checkbox"/>				
	<input type="checkbox"/>				
	<input type="checkbox"/>				
	<input type="checkbox"/>				
	<input type="checkbox"/>				
Second Year Courses					
	<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 2101 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/Electives See sections "A" and "B" on page 2	<input type="checkbox"/>				
	<input type="checkbox"/>				
	<input type="checkbox"/>				
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		COURSES		CREDITS EARNED	GRADE
Third Year Courses					
	<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 3221 3.00, LE/EECS 3215 4.00	<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"/>				
General Education/Electives See sections "A" and "B" below	<input type="checkbox"/>				
	<input type="checkbox"/>				
	<input type="checkbox"/>				
	<input type="checkbox"/>				
	<input type="checkbox"/>				
Fourth Year Courses					
At least 12 credits from EECS courses at the 4000 level, for an overall total of at least 53 credits from EECS courses	<input type="checkbox"/>				
	<input type="checkbox"/>				
	<input type="checkbox"/>				
	<input type="checkbox"/>				
Additional elective credits including - 9 credits outside EECS, MATH, and ITEC - 9 credits at the 3000/4000 level of which at least 6 credits must be at the 4000 level Additional elective credits, as required, for a minimum total of 120 credits	<input type="checkbox"/>				
	<input type="checkbox"/>				
	<input type="checkbox"/>				
	<input type="checkbox"/>				
	<input type="checkbox"/>				
<p>A. General Education Requirement: 6.00 credits in each of Humanities (HUMA), Social Science (SOSC), and Natural Science (NATS), plus an additional 3.00 credits in Humanities (HUMA), Social Science (SOSC), or Natural Science (NATS), for a minimum total of 21.00 credits.</p> <p>B. Electives: All BA degree candidates must choose at least 18 elective credits outside the major. These credits may not be part of the general education or any other named requirements (such as MATH requirements). Honours double major and major/minor programs automatically meet this regulation. It is recommended that students in the Honours Major, Honours Double Major or Honours Major/Minor programs, where computer science is the major, take a linear algebra course such as SC/MATH 1025 3.00 among their electives.</p> <p>C. Additional elective credits, as required, for a minimum total of 120 credits.</p>					
TOTAL CGPA (minimum cumulative GPA of 5.00 (C+) required to graduate with an Honours 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. "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 Co-op is highly recommended, but is not a degree requirement.					
Notes					
<p>NOTE: A linear algebra course such as SC/MATH 1025 3.00 is highly recommended SC/MATH 1021 3.00 or SC/MATH 2221 3.00 may be taken in lieu of SC/MATH 1025 3.00</p> <p style="color: red;">SC/MATH 1013 3.00 may be taken in lieu of SC/MATH 1300 3.00; SC/MATH 1014 3.00 may be taken in lieu of SC/MATH 1310 3.00;</p>					
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