



**DEGREE CHECKLIST
2022-2023**

**BACHELOR OF ARTS (BA) COMPUTER SCIENCE
Specialized Honours (Software Development Stream)**

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	Programming for Mobile Computing		
	<input type="checkbox"/>	SC/MATH 1025 3.00	Applied Linear Algebra		
	<input type="checkbox"/>	SC/MATH 1300 3.00	Differential Calculus with Applications		
	<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"/>				
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 2021 4.00	Computer Organization		
	<input type="checkbox"/>	LE/EECS 2011 3.00	Fundamentals of Data Structures		
	<input type="checkbox"/>	LE/EECS 2031 3.00	Software Tools		
	<input type="checkbox"/>	LE/EECS 2311 3.00	Software Development Project		
General Education/Electives See sections "A" and "B" on page 2	<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		
	<input type="checkbox"/>	LE/EECS 3342 3.00	System Specification and Refinement		
	<input type="checkbox"/>	LE/EECS 3421 3.00	Introduction to Database Systems		
	<input type="checkbox"/>	LE/EECS 3461 3.00	User Interfaces		
At least 3 credits from: LE/EECS 3215 4.00, LE/EECS 3221 3.00	<input type="checkbox"/>				
General Education/Electives See sections "A" and "B" below	<input type="checkbox"/>				
	<input type="checkbox"/>				
	<input type="checkbox"/>				
Fourth Year Courses					
	<input type="checkbox"/>	LE/EECS 4090 6.00	Interactive Systems Project		
	<input type="checkbox"/>	LE/EECS 4312 3.00	Software Engineering Requirements		
	<input type="checkbox"/>	LE/EECS 4313 3.00	Software Engineering Testing		
One of: LE/EECS 4101 3.00 or LE/EECS 4111 3.00 or LE/EECS 4115 3.00 for an overall total of at least 65 credits from computer science courses	<input type="checkbox"/>				
Additional elective credits including 3 credits at 4000 level credits outside the major (EECS) for a minimum of 18 credits outside the major, of which at least 9 credits must be non-MATH/STATS/ITEC For a minimum total of 120 credits	<input type="checkbox"/>				
	<input type="checkbox"/>				
	<input type="checkbox"/>				
	<input type="checkbox"/>				
	<input type="checkbox"/>				
A. General Education Requirement: 21 credits chosen from humanities, natural science and social science courses, with the constraint that at least 6.00 credits must be chosen from each of humanities, social science and, natural science areas.					
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). Additional elective credits, as required, for an overall total of 120 credits.					
TOTAL OCGPA (minimum overall GPA of 5.00 (C+) required to graduate with an Honours BA degree)					
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).					
Participation in the Co-op or internship option is highly recommended for students, but is not a degree requirement.					
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