LASSONDE SCHOOL OF ENGINEERING | YORK UNIVERSITÉ UNIVERSITY	**DEGREE CHECKLIST 2024-2025**	**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:
https://calendars.students.yorku.ca/academic-calendar#/programs

		COURSES		CREDITS EARNED	GRADE
First Year Courses					
	☐	LE/EECS 1001 1.00	Research Directions in Computing		
	☐	LE/EECS 1012 3.00 or LE/EECS 1015 3.00	Net-Centric Introduction to Computing or Introduction to Computer Science and Programming		
	☐	LE/EECS 1019 3.00	Discrete Mathematics for Computer Science		
Prerequisite: LE/EECS 1012 3.00 or LE/EECS 1015 3.00	☐	LE/EECS 1022 3.00	Introduction to Object Oriented Programming		
	☐	SC/MATH 1025 3.00	Applied Linear Algebra		
	☐	SC/MATH 1300 3.00	Differential Calculus with Applications		
Prerequisite: SC/MATH 1300 3.00 or SC/MATH 1013 3.00	☐	SC/MATH 1310 3.00	Integral Calculus with Applications		
General Education/Electives See sections "A" and "B" on page 2	☐				
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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 2021 4.00	Computer Organization		
	☐	LE/EECS 2101 3.00	Fundamentals of Data Structures		
	☐	LE/EECS 2031 3.00	Software Tools		
	☐	LE/EECS 2311 3.00	Software Development Project		
General Education/Electives See sections "A" and "B" on page 2	☐				
	☐				
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		
	☐	LE/EECS 3342 3.00	System Specification and Refinement		
	☐	LE/EECS 3421 3.00	Introduction to Database Systems		
	☐	LE/EECS 3461 3.00	User Interfaces		
At least 3 credits from: LE/EECS 3215 4.00, LE/EECS 3221 3.00	☐				
General Education/Electives See sections "A" and "B" below	☐				
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Fourth Year Courses					
	☐	LE/EECS 4090 6.00	Interactive Systems Project		
	☐	LE/EECS 4312 3.00	Software Engineering Requirements		
	☐	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 or LE/EECS 4171 3.0	☐				
Additional elective credits must include: 3.00 credits at the 4000 level 30.00 credits outside of EECS, MATH, and ITEC, which includes: 21.00 credits of General Education and additional electives outside of EECS, MATH, and ITEC **A minimum of 120.00 credits in total**	☐				
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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.

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).

C. Additional elective credits, as required, for an overall total of 120.00 credits.

TOTAL CGPA (minimum cumulative GPA of 5.00 (C+) required to graduate with an Honours degree)

EECS GPA Prerequisite:
Most 2000-, 3000-, and 4000-level EECS courses require a cumulative GPA or 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.

Notes

SC/MATH 1021 3.00 or SC/MATH 2221 3.00 may be taken in lieu of SC/MATH 1025 3.00
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;