



**DEGREE CHECKLIST
2024-2025**

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

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"/>	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"/>			
	<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 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"/>			
At least 6 additional credits from EECS courses at the 3000 level or higher, for an overall total of at least 44 credits from EECS courses	<input type="checkbox"/>			
	<input type="checkbox"/>			
General Education/Electives See sections "A" and "B" on page 2 For a total of at least 92 credits	<input type="checkbox"/>			
	<input type="checkbox"/>			
	<input type="checkbox"/>			
	<input type="checkbox"/>			

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 a minimum total of 92 credits.

Notes

TOTAL CGPA (minimum cumulative GPA of 4.00 (C+) required to graduate with an Ordinary 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. "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).

Notes

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

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;