



DEGREE CHECKLIST
2022-2023

INTERNATIONAL BACHELOR OF SCIENCE (iBSc) 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/>

		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	Introduction to Object Oriented Programming	
	<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	
Foundational science: 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"/>			
General Education / Science Breadth / International Component See sections "A", "C", and "F" on page 2	<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 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	
General Education / Science Breadth / International Component See sections "A", "C", and "F" on page 2	<input type="checkbox"/>			
	<input type="checkbox"/>			
	<input type="checkbox"/>			

Notes

	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 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"/>				
General Education / Science Breadth / International Component See sections "A", "C", and "F" below	<input type="checkbox"/>				
	<input type="checkbox"/>				
	<input type="checkbox"/>				
	<input type="checkbox"/>				
	<input type="checkbox"/>				
Fourth Year Courses					
At least 12 credits from computer science courses (EECS) at the 4000 level	<input type="checkbox"/>				
	<input type="checkbox"/>				
	<input type="checkbox"/>				
	<input type="checkbox"/>				
Additional elective credits including completion of General Education / Science Breadth / International Components 15 credits at the 3000-level or higher For a minimum of 120 total credits	<input type="checkbox"/>				
	<input type="checkbox"/>				
	<input type="checkbox"/>				
	<input type="checkbox"/>				
	<input type="checkbox"/>				
<p>A. General Education Requirement: 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. Major Requirements: As stated on your degree checklist.</p> <p>C. Science Breadth: In addition to the courses specified in the checklist, 3 credits at any level are required in approved non-EECS science disciplines.</p> <p>D. Upper Level Requirement: In addition to the upper year courses specified in the checklist, 15 credits at the 3000-level or higher are required</p> <p>E. Additional elective credits, as required, for an overall total of 120 credits.</p>					
<p>F. International Component A minimum of 12 credits of language study in one of the languages offered at York University; A minimum of 12 credits of non-science courses with an international component (refer to sample list of courses in International Bachelor of Arts or Bachelor of Science in the Programs section); this may also serve to meet the non-science requirement of the BSc general education component; An additional six credits of language study or non-science international component courses for a total of 30 credits; One to two exchange terms abroad as a full-time student at an institution with which York has a formal exchange agreement.</p>					
TOTAL CGPA (minimum cumulative GPA of 5.00 (C+) required to graduate with an Honours iBSc 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. 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.					
Notes					
				iBSc Honours, Computer Science Page 2 of 2	