



**DEGREE CHECKLIST
2019-2020**

**BACHELOR OF SCIENCE (BSc) COMPUTER SCIENCE
Honours Major (Industry Partnership 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	Net-Centric Introduction to Computing		
	<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 1300 3.00	Differential Calculus with Applications		
	<input type="checkbox"/>	SC/MATH 1310 3.00	Integral Calculus with Applications		
Practicum: A total of at least 12 credits in practicum courses are required, including at least 6 credits at the 3000-level or higher.	<input type="checkbox"/>				
	<input type="checkbox"/>				
<i>Summer term</i>	<input type="checkbox"/>	LE/EECS 2021 4.00	Computer Organization		
<i>Summer term</i>	<input type="checkbox"/>	LE/EECS 2030 3.00	Advanced Object Oriented Programming		
<i>Summer term</i>	<input type="checkbox"/>	LE/EECS 2031 3.00	Software Tools		
Second Year Courses					
	<input type="checkbox"/>	LE/EECS 2001 3.00	Introduction to the Theory of Computation		
	<input type="checkbox"/>	LE/EECS 2011 3.00	Fundamentals of Data Structures		
	<input type="checkbox"/>	SC/MATH 1090 3.00	Introduction to Logic for Computer Science		
	<input type="checkbox"/>	SC/MATH 2030 3.00	Elementary Probability		
Non-Science/Electives	<input type="checkbox"/>				
	<input type="checkbox"/>				
Practicum: A total of at least 12 credits in practicum courses are required, including at least 6 credits at the 3000-level or higher.	<input type="checkbox"/>				
	<input type="checkbox"/>				
Foundational science: 6 credits from SC/BIOL 1000 3.00, SC/BIOL 1001 3.00 (or SC/BIOL 1010 6.00), SC/CHEM 1000 3.00, SC/CHEM 1001 3.00, SC/PHYS 1410 6.00 or SC/PHYS 1420 6.00 or SC/PHYS 1010 6.00	<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 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"/>				
Practicum: A total of at least 12 credits in practicum courses are required, including at least 6 credits at the 3000-level or higher.	<input type="checkbox"/>				
	<input type="checkbox"/>				
Non-Science/Electives	<input type="checkbox"/>				
	<input type="checkbox"/>				
	<input type="checkbox"/>				
Fourth Year Courses					
At least 12 credits from computer science courses at the 4000 level, for an overall total of at least 53 credits from computer science courses (courses with second digit 9 cannot be used to fulfill this requirement)	<input type="checkbox"/>				
	<input type="checkbox"/>				
	<input type="checkbox"/>				
	<input type="checkbox"/>				
Practicum: A total of at least 12 credits in practicum courses are required, including at least 6 credits at the 3000-level or higher.	<input type="checkbox"/>				
	<input type="checkbox"/>				
Additional elective credits, as required for a total of 120 credits of which at least 30 credits must be outside computer science, mathematics, statistics and information technology. 18 of these 30 credits are satisfied by the general education requirement.	<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. Practicum: At least 12 credits from the following list of courses: LE/EECS 1910 3.00 Industry Practicum LE/EECS 1911 3.00 Industry Practicum LE/EECS 2910 3.00 Industry Practicum LE/EECS 2911 3.00 Industry Practicum LE/EECS 3910 3.00 Industry Practicum LE/EECS 3911 3.00 Industry Practicum LE/EECS 4910 3.00 Industry Practicum LE/EECS 4911 3.00 Industry Practicum At least 6 of these credits must be in the 3000 or 4000 level.</p> <p>D. Science Breadth: 24 credits in science disciplines outside the major, of which 3 credits must be at the 2000 level or above. 18 of these 24 credits, including 3 credits at the 2000 level are satisfied by the general education requirement.</p> <p>E. Upper Level Requirement: A minimum of 42 credits at the 3000 level or higher. This includes the EECS courses at the 3000 and 4000-level listed above.</p> <p>F. Additional elective credits, as required, for an overall total of 120 credits.</p>					
TOTAL CGPA (minimum cumulative GPA of 5.00 (C+) required to graduate with an Honours BSc degree)					
General Prerequisite: Most 2000-, 3000-, and 4000-level EECS courses require the following general (that is, common) prerequisites, in addition to other course-specific prerequisites: a cumulative grade point average of 4.50 or better over all completed major EECS courses. 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).					
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