



DEGREE CHECKLIST
2017-2018

**BACHELOR OF SCIENCE (BSc)
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/>

PREREQUISITES/COREQUISITES	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 Introduction to Computer Science		
	<input type="checkbox"/> LE/EECS 1019 3.00 Discrete Mathematics for Computer Science		
	<input type="checkbox"/> LE/EECS 1022 3.00 Introduction to Software Development		
	<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		
<i>foundational science: 6 credits</i>	<input type="checkbox"/>		
	<input type="checkbox"/>		
Non-Science/Electives	<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 2011 3.00 Fundamentals of Data Structures		
	<input type="checkbox"/> LE/EECS 2021 4.00 Computer Organization		
	<input type="checkbox"/> LE/EECS 2030 3.00 Advanced Object Oriented Programming		
	<input type="checkbox"/> LE/EECS 2031 3.00 Software Tools		
	<input type="checkbox"/> LE/EECS 2311 3.00 Software Development Project		
General Education/Electives	<input type="checkbox"/>		
	<input type="checkbox"/>		

Notes

PREREQUISITES/COREQUISITES	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"/>		
Non-Science/Electives	<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		
At least 3 additional credits: LE/EECS 4101 3.00 or LE/EECS 4111 3.00 or LE/EECS 4115 3.00 for an overall total of <i>at least 65 credits</i> from computer science courses;	<input type="checkbox"/>		
Additional elective credits, as required for a total of 120 credits of which at least 30 credits must be neither computer science nor mathematics. 18 of these 30 credits are satisfied by the general education requirement.	<input type="checkbox"/>		
	<input type="checkbox"/>		
	<input type="checkbox"/>		
	<input type="checkbox"/>		
	<input type="checkbox"/>		
<p style="text-align: center;">A. General Education Requirement: <i>non-science requirement:</i> 12 credits; <i>mathematics:</i> satisfied within the core requirements; <i>computer science:</i> satisfied by the major requirements; <i>foundational science:</i> six 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.</p> <p style="text-align: center;">B. Major Requirements (as stated on your degree checklist)</p> <p style="text-align: center;">C. Science breadth: 24 credits in science disciplines outside the major, of which three credits must be at the 2000 level or above. 21 of these 24 credits, including 3 credits at the 2000 level, are satisfied by the above requirements.</p> <p style="text-align: center;">D. Upper level requirement: A minimum of 42 credits at the 3000 level or higher.</p> <p style="text-align: center;">E. Additional elective credits, as required, for an overall total of 120 credits.</p>			
TOTAL CREDITS & 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).			
Participation in TIP/PEP is highly recommended for all students, but is not a degree requirement.			
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