



DEGREE CHECKLIST  
2019-2020

BACHELOR OF SCIENCE (BSc) COMPUTER SECURITY  
Specialized Honours

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 1025 3.00	Applied Linear Algebra		
	<input type="checkbox"/>	SC/MATH 1131 3.00	Introduction to Statistics I		
	<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: 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"/>				

\* SC/MATH 1190 3.00 must be taken (prerequisite of LE/EECS 1019 3.00) if the student has not passed 12U Advanced Functions (MHF4U)

Second Year Courses					
	<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		
	<input type="checkbox"/>	LE/EECS 3421 3.00	Introduction to Database Systems		
	<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"/>	AP/PHIL 2075 3.00 OR SC/STS 3500 3.00	Introduction to Applied Ethics OR The Global Information Society		
Non-Science/Electives	<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 3213 3.00	Communications Networks		
	<input type="checkbox"/>	LE/EECS 3214 3.00	Computer Network Protocols and Applications		
	<input type="checkbox"/>	LE/EECS 3221 3.00	Operating System Fundamentals		
	<input type="checkbox"/>	LE/EECS 3311 3.00	Software Design		
	<input type="checkbox"/>	LE/EECS 3481 3.00	Applied Cryptography		
	<input type="checkbox"/>	LE/EECS 3482 3.00	Introduction to Computer Security		
Non-Science/Electives	<input type="checkbox"/>				
	<input type="checkbox"/>				
Fourth Year Courses					
	<input type="checkbox"/>	LE/EECS 4413 3.00	Building E-Commerce Systems		
	<input type="checkbox"/>	LE/EECS 4480 3.00	Computer Security Project		
	<input type="checkbox"/>	LE/EECS 4481 4.00	Computer Security Laboratory		
	<input type="checkbox"/>	LE/EECS 4482 3.00	Computer Security Management: Assessment and Forensics		
Additional elective credits, as required for an overall total of at least 120 credits, of which at least 30 must be outside computer science, mathematics, statistics, and information technology. 18 of these 30 are satisfied by the General Education requirement.	<input type="checkbox"/>				
	<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:  24 credits in science disciplines outside the major, of which 3 credits must be at the 2000 level or above. This requirement is satisfied by the MATH and foundational science lab credits stated on your degree checklist.</p> <p>D. Upper Level Requirement:  A minimum of 42 credits at the 3000 level or higher. This includes the EECS (and STS) courses at the 3000 and 4000-level listed above.</p> <p>E. Additional elective credits, as required, for an overall total of 120 credits.</p>					
<b>TOTAL CGPA (minimum overall GPA of 5.00 required to graduate in an Honours program)</b>					
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 Co-op or Internship option is highly recommended, but is not a degree requirement.					
Notes					
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