

		DEGREE CHECKLIST 2020-2021				BACHELOR OF ARTS (BA) 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							
	☐	LE/EECS 1001 1.00	Research Directions in Computing				
	☐	LE/EECS 1012 3.00	Net-Centric Introduction to Computing				
	☐	LE/EECS 1019 3.00*	Discrete Mathematics for Computer Science				
	☐	LE/EECS 1022 3.00	Programming for Mobile Computing				
	☐	SC/MATH 1025 3.00	Applied Linear Algebra				
	☐	SC/MATH 1131 3.00	Introduction to Statistics I				
	☐	SC/MATH 1300 3.00	Differential Calculus with Applications				
	☐	SC/MATH 1310 3.00	Integral Calculus with Applications				
General Education/Electives	☐						
	☐						
	☐						
* SC/MATH 1190 3.00 must be taken (prerequisite for LE/EECS 1019 3.00) if the student has not passed 12U Advanced Functions (MHF4U)							
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; SC/MATH 1021 3.00 or SC/MATH 2221 3.00 may be taken in lieu of SC/MATH 1025 3.00.							
Second Year Courses							
	☐	LE/EECS 2001 3.00	Introduction to the Theory of Computation				
	☐	LE/EECS 2030 3.00	Advanced Object Oriented Programming				
	☐	LE/EECS 2011 3.00	Fundamentals of Data Structures				
	☐	LE/EECS 2021 4.00	Computer Organization				
	☐	LE/EECS 2031 3.00	Software Tools				
	☐	LE/EECS 3482 3.00	Introduction to Computer Security				
	☐	SC/MATH 1090 3.00	Introduction to Logic for Computer Science				
	☐	SC/MATH 2030 3.00	Elementary Probability				
	☐	AP/PHIL 2075 3.00 OR SC/STS 3500 3.00	Introduction to Applied Ethics OR The Global Information Society				
General Education/Electives	☐						
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	COURSES			CREDITS EARNED	GRADE
Third Year Courses					
	☐	LE/EECS 3000 3.00	Professional Practice in Computing		
	☐	LE/EECS 3101 3.00	Design and Analysis of Algorithms		
	☐	LE/EECS 3213 3.00	Communications Networks		
	☐	LE/EECS 3214 3.00	Computer Network Protocols and Applications		
	☐	LE/EECS 3221 3.00	Operating System Fundamentals		
	☐	LE/EECS 3421 3.00	Introduction to Database Systems		
	☐	LE/EECS 3481 3.00	Applied Cryptography		
General Education/Electives	☐				
	☐				
Fourth Year Courses					
	☐	LE/EECS 3311 3.00	Software Design		
	☐	LE/EECS 4413 3.00	Building E-Commerce Systems		
	☐	LE/EECS 4480 3.00	Computer Security Project		
	☐	LE/EECS 4481 4.00	Computer Security Laboratory		
	☐	LE/EECS 4482 3.00	Network Security and Forensics		
Additional elective credits 18 credits outside the major (EECS), of which at least 9 credits must be non-MATH/STATS/ITEC At least 5.00 credits at the 4000-level	☐				
	☐				
	☐				
	☐				
	☐				
Students in the BA program may substitute AP/ITEC 1620 3.00 and AP/ITEC 2610 3.00 and AP/ITEC 2620 3.00 for EECS 1022 and EECS 2030. Either sequence of courses meets prerequisites for other 2000-level computer science courses.					
General Education Requirement: 21 credits chosen from humanities, natural science, and social science courses, with the constraint that at least 6.00 credits must be chosen from each of humanities, social science, and natural science areas. AP/SOSC 2340 6.00 "Intermediate Business and Society" is highly recommended as fulfilling, in part, the General Education requirement.					
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).					
CO-OP: Participation in the Co-op or internship option is highly recommended for students, but is not a degree requirement.					
TOTAL CGPA (minimum overall GPA of 5.00 (C+) required to graduate with an Honours BA degree)					
Notes					
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