



**DEGREE CHECKLIST
2022-2023**

**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					
	<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	Introduction to Object Oriented Programming		
	<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		
General Education/Electives	<input type="checkbox"/>				
	<input type="checkbox"/>				
	<input type="checkbox"/>				
* 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					
	<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 3482 3.00	Introduction to Computer Security		
	<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		
General Education/Electives	<input type="checkbox"/>				
BA Specialized Honours, Computer Security				Page 1 of 2	

	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 3421 3.00	Introduction to Database Systems		
	<input type="checkbox"/>	LE/EECS 3481 3.00	Applied Cryptography		
General Education/Electives	<input type="checkbox"/>				
	<input type="checkbox"/>				
Fourth Year Courses					
	<input type="checkbox"/>	LE/EECS 3311 3.00	Software Design		
	<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	Network Security and Forensics		
	<input type="checkbox"/>	LE/EECS 4484 3.00	Malware Analysis		
Additional General Education and Elective Credits as applicable 18 credits outside the major (EECS), of which at least 9 credits must be non-MATH/STATS/ITEC At least 2.00 credits at the 4000-level	<input type="checkbox"/>				
	<input type="checkbox"/>				
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	<input type="checkbox"/>				
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, but no more than 9.00 credits should be in any one of the three 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					
BA Specialized Honours, Computer Security				Page 2 of 2	