



**DEGREE CHECKLIST
2024-2025**

**BACHELOR OF ARTS (BA) COMPUTER SECURITY
Specialized Honours**

NAME

STUDENT #

Students are strongly advised to refer to online Academic Calendars before enrolling into courses:
<https://calendars.students.yorku.ca/academic-calendar#/programs>

		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		
Prerequisite: LE/EECS 1012 3.00	<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		
Prerequisite: SC/MATH 1300 3.00 or SC/MATH 1013 3.00	<input type="checkbox"/>	SC/MATH 1310 3.00	Integral Calculus with Applications		
General Education/Electives	<input type="checkbox"/>				
	<input type="checkbox"/>				
	<input type="checkbox"/>				
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 2101 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"/>				
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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 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 OR AP/ITEC 3220 3.00	Introduction to Database Systems OR Using and Designing Database Systems		
	<input type="checkbox"/>	LE/EECS 3481 3.00	Applied Cryptography		
General Education/Electives	<input type="checkbox"/>				
	<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		
Completion of - general education credits - 9.00 credits outside EECS, MATH, and ITEC - at least 2.00 credits at the 4000-level Additional elective credits, as required, for a total of 120 credits	<input type="checkbox"/>				
	<input type="checkbox"/>				
	<input type="checkbox"/>				
	<input type="checkbox"/>				
	<input type="checkbox"/>				
<p>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.</p>					
<p>General Education Requirement: 6.00 credits in each of Humanities (HUMA), Social Science (SOSC), and Natural Science (NATS), plus an additional 3.00 credits in Humanities (HUMA), Social Science (SOSC), or Natural Science (NATS), for a minimum total of 21.00 credits. AP/SOSC 2312 9.00 or AP/SOSC 2340 9.00 are highly recommended.</p> <p>Upper Level Requirement: A minimum of 36 credits at the 3000 level or higher and must include at least 18 credits at the 4000 level. This includes the EECS and STS courses at the 3000 and 4000-level listed above.</p> <p>Additional elective credits, as required, for a minimum total of 120 credits.</p>					
TOTAL CGPA (minimum cumulative GPA of 5.00 (C+) required to graduate with an Honours degree)					
<p>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. "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).</p>					
Participation in Co-op is highly recommended, but is not a degree requirement.					
Notes					
<p>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.</p>					
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