



**DEGREE CHECKLIST
2016-2017**

**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/>

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 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		
General Education/Electives	<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 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"/>	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"/>			
	<input type="checkbox"/>			

Students in the BA program must choose to take either the pair LE/EECS 1022 3.00 and LE/EECS 2030 3.00, or AP/ITEC 1620 3.00 and AP/ITEC 2610 3.00 and AP/ITEC 2620 3.00; either sequence of courses meets prerequisites for other 2000-level computer science courses. Wherever specified AP/ITEC courses are used to satisfy degree requirements in this program, they will also be used in the general prerequisite GPA calculation.

To satisfy computer security degree requirements, 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.

* 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)

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 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 3421 3.00*	Introduction to Database Systems		
	<input type="checkbox"/> LE/EECS 3481 3.00	Applied Cryptography		
	<input type="checkbox"/> LE/EECS 3482 3.00	Introduction to Computer Security		
General Education/Electives	<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		
General Education/Electives	<input type="checkbox"/>			
	<input type="checkbox"/>			
	<input type="checkbox"/>			
	<input type="checkbox"/>			
	<input type="checkbox"/>			
	<input type="checkbox"/>			
<p>General Education Requirement:</p> <p>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. For the successful completion of the degree program, at least 30 credits must be completed which are outside computer science, mathematics, statistics and information technology courses. AP/SOSC 2312 9.00 or AP/SOSC 2340 9.00 are highly recommended as fulfilling, in part, the General Education requirements.</p>				
<p>Electives:</p> <p>All BA, Honours BA, Specialized Honours BA and Honours iBA degree candidates must choose at least 18 elective credits outside the major. Moreover, these elective credits may not be part of the general education or any other named requirements (such as MATH requirements).</p>				
TOTAL CREDITS & CGPA (minimum overall GPA of 5.00 required to graduate in an Honours program)				
<p>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).</p>				
<p>Participation in TIP/PEP is highly recommended, but is not a degree requirement.</p>				
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