LASSONDE SCHOOL OF ENGINEERING | YORK UNIVERSITÉ UNIVERSITY	**DEGREE CHECKLIST 2016-2017**	INTERNATIONAL BACHELOR OF ARTS (iBA) COMPUTER SCIENCE 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					
	☐	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 1300 3.00	Differential Calculus with Applications		
	☐	SC/MATH 1310 3.00	Integral Calculus with Applications		
International Component/General Education/Electives	☐				
	☐				
	☐				
	☐				
Note: SC/MATH 1025 3.00 is recommended.					
Second Year Courses					
	☐	SC/MATH 1090 3.00	Introduction to Logic for Computer Science		
	☐	SC/MATH 2030 3.00	Elementary Probability		
	☐	LE/EECS 2001 3.00	Introduction to the Theory of Computation		
	☐	LE/EECS 2011 3.00	Fundamentals of Data Structures		
	☐	LE/EECS 2021 4.00	Computer Organization		
	☐	LE/EECS 2030 3.00	Advanced Object Oriented Programming		
	☐	LE/EECS 2031 3.00	Software Tools		
International Component/General Education/Electives	☐				
	☐				
	☐				
Notes					

PREREQUISITES/COREQUISITES	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 3311 3.00 Software Design		
At least 3 credits from LE/EECS 3215 4.00, LE/EECS 3221 3.00	☐		
At least 3 credits from LE/EECS 3401 3.00, LE/EECS 3421 3.00, LE/EECS 3461 3.00	☐		
International Component/General Education/Electives	☐		
	☐		
	☐		
	☐		
	☐		
Fourth Year Courses			
At least 12 credits from computer science courses at the 4000 level, for an overall total of at least 53 credits from computer science courses.	☐		
	☐		
	☐		
	☐		
Additional elective credits, as required for an overall total of at least 120 credits (36 credits at the 3000 level or higher, of which at least 18 must be at the 4000 level and at least 30 credits which are outside computer science, mathematics, statistics and information technology).	☐		
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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 that 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.

Electives:
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). Honours double major and major/minor programs automatically meet this regulation.
****It is recommended that students in the Honours Major, Honours Double Major or Honours Major/Minor programs, where computer science is the major, take a linear algebra course such as SC/MATH 1025 3.00 among their electives.*

International Component
30 required credits outside the major, consisting of: at least 18 credits of language study in one of the modern languages offered at York University, including the Advanced I university-level course in the chosen language; at least 12 credits of internationally-oriented courses chosen outside the major; at least one full term abroad as a full-time student at one of York University's exchange partners.

TOTAL CREDITS & CGPA (minimum overall GPA of 5.00 (C+) required to graduate with an Honours BA degree)

NOTE: All iBA candidates are required to study at least one full term abroad as a full-time student at one of York University's exchange partners.

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 the TIP/PEP Program is highly recommended for all students, but is not a degree requirement.