



DEGREE CHECKLIST  
2019-2020

BACHELOR OF SCIENCE (BSc) COMPUTER SCIENCE  
Specialized Honours (International Dual Degree - YorkU Students)

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	Programming for Mobile Computing	
	<input type="checkbox"/>	SC/MATH 1025 3.00	Applied Linear Algebra	
	<input type="checkbox"/>	SC/MATH 1300 3.00	Differential Calculus with Applications	
	<input type="checkbox"/>	SC/MATH 1310 3.00	Integral Calculus with Applications	
Foundational science: 6 credits from SC/BIOL 1000 3.00, SC/BIOL 1001 3.00 (or SC/BIOL 1010 6.00), SC/CHEM 1000 3.00, SC/CHEM 1001 3.00, SC/PHYS 1410 6.00 or SC/PHYS 1420 6.00 or SC/PHYS 1010 6.00	<input type="checkbox"/>			
	<input type="checkbox"/>			
Non-Science/Electives: 6 credits in each of German and Greek language and culture courses, plus a further six credits in non-science courses	<input type="checkbox"/>			
	<input type="checkbox"/>			
Second Year Courses				
	<input type="checkbox"/>	SC/MATH 1090 3.00	Introduction to Logic for Computer Science	
	<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	
Non-Science/Electives: 6 credits in each of German and Greek language and culture courses, plus a further six credits in non-science courses	<input type="checkbox"/>			
	<input type="checkbox"/>			
	<input type="checkbox"/>			
Notes				

			COURSES	CREDITS EARNED	GRADE
Third Year Courses					
	<input type="checkbox"/>	SC/MATH 2030 3.00 (on exchange)	Elementary Probability		
	<input type="checkbox"/>	LE/EECS 3000 3.00 (on exchange)	Professional Practice in Computing		
	<input type="checkbox"/>	LE/EECS 3101 3.00 (on exchange)	Design and Analysis of Algorithms		
	<input type="checkbox"/>	LE/EECS 3311 3.00 (on exchange)	Software Design		
	<input type="checkbox"/>	LE/EECS 3215 4.00 OR LE/EECS 3221 3.00 (on exchange)	Embedded Systems OR Operating System Fundamentals		
	<input type="checkbox"/>	LE/EECS 3421 3.00 (on exchange)	Introduction to Database Systems		
An additional 3 credits in EECS at the 3000- or 4000-level (on exchange) for an overall total of at least 62 credits from computer science courses.	<input type="checkbox"/>				
Non-Science/Electives: 6 credits in each of German and Greek language and culture courses, plus a further six credits in non-science courses (on exchange).	<input type="checkbox"/>				
	<input type="checkbox"/>				
	<input type="checkbox"/>				
Fourth Year Courses					
	<input type="checkbox"/>	LE/EECS 4088 6.00 (on exchange; undergraduate thesis toward BRSU requirements)	Computer Science Capstone Project		
	<input type="checkbox"/>	LE/EECS 4101 3.00 OR LE/EECS 4111 3.00 OR LE/EECS 4115 3.00	Advanced Data Structures OR Automata and Computability OR Computational Complexity		
9 credits of EECS courses at the 3000 level or higher	<input type="checkbox"/>				
	<input type="checkbox"/>				
	<input type="checkbox"/>				
Additional elective credits, as required for a total of 120 credits of which at least 30 credits must be outside computer science, mathematics, statistics and information technology. 18 of these 30 credits are satisfied by the general education requirement.	<input type="checkbox"/>				
	<input type="checkbox"/>				
	<input type="checkbox"/>				
	<input type="checkbox"/>				
<p>A. General Education Requirement:  non-science requirement: 6 credits in each of German and Greek language and culture courses, plus a further 6 credits in non-science courses from the approved list of courses and subject areas in your Academic Calendar;  mathematics: satisfied within the core requirements;  computer science: satisfied by the major requirements;  science: satisfied by the BIOL, CHEM, or PHYS labs as stated on your degree checklist.</p> <p>B. Major Requirements:  As stated on your degree checklist, where the core courses LE/EECS 3101 3.00 and LE/EECS 3311 3.00 will be normally completed in the EU during the exchange year;</p> <p>C. Science Breadth:  24 credits in science disciplines outside the major, of which three credits must be at the 2000 level or above: 21 of these 24 credits, including three at the 2000 level, are satisfied by the above requirements.</p> <p>D. Honours Breadth:  At least 30 credits which are outside computer science, mathematics, statistics and information technology.</p> <p>E. Upper Level Requirement:  At least 42 credits at the 3000 or higher level. This includes the EECS courses at the 3000 and 4000 level listed above.</p> <p>F. Additional Elective Credits:  As required for an overall total of at least 120 credits.</p>					
<p>Note: For an up-to-date list of York-substitute courses offered at BRSU and UOC, for advice on the degree requirements and on possible study progression plans within the dual program, and for an outline of funding opportunities, please contact the undergraduate office of the Department of Electrical Engineering and Computer Science. Pre-departure academic advising is mandatory.</p>					
TOTAL CGPA (minimum cumulative GPA of 5.00 (C+) required to graduate with an Honours BSc degree)					
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 Co-op or internship option is highly recommended for students, but is not a degree requirement.					
Notes					
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