



**DEGREE CHECKLIST
2018-2019**

**BACHELOR OF SCIENCE (BSc)
EARTH & ATMOSPHERIC SCIENCE**

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"/>	SC/CHEM 1000 3.00 <i>or</i> SC/CHEM 1001 3.00	Chemical Structure <i>or</i> Chemical Dynamics	
	<input type="checkbox"/>	LE/EECS 1541 3.00 <i>or</i> LE/EECS 1011 3.00	Introduction to Computing for the Physical Sciences <i>or</i> Computational Thinking through Mechatronics	
	<input type="checkbox"/>	LE/ESSE 1010 3.00 <i>or</i> LE/ESSE 1012 3.00	The Dynamic Earth and Space Geodesy <i>or</i> The Earth Environment	
	<input type="checkbox"/>	LE/ESSE 1011 3.00	Introduction To Atmospheric Science	
	<input type="checkbox"/>	SC/MATH 1013 3.00	Applied Calculus I	
	<input type="checkbox"/>	SC/MATH 1014 3.00	Applied Calculus II	
	<input type="checkbox"/>	SC/MATH 1025 3.00	Applied Linear Algebra	
	<input type="checkbox"/>	SC/PHYS 1010 6.00 <i>or both</i> SC/PHYS 1800 3.00 & SC/PHYS 1801 3.00	Physics <i>or both</i> Engineering Mechanics & Electricity, Magnetism & Optics for Engineers	
3 Non-Science Credits (or Electives)				
Second Year Courses				
	<input type="checkbox"/>	LE/EECS 2501 1.00	Fortran and Scientific Computing	
	<input type="checkbox"/>	LE/ESSE 2011 3.00	Introduction to Physical Meteorology	
	<input type="checkbox"/>	LE/ESSE 2012 3.00	Introduction to Dynamic Meteorology	
	<input type="checkbox"/>	LE/ESSE 2030 3.00	Geophysics and Space Science	
	<input type="checkbox"/>	LE/ESSE 2470 3.00 <i>or</i> LE/CIVL 2210 3.00	Introduction to Continuum Mechanics <i>or</i> Fluid Mechanics	
	<input type="checkbox"/>	SC/MATH 2015 3.00	Applied Multivariate & Vector Calculus	
	<input type="checkbox"/>	SC/MATH 2271 3.00	Differential Equations for Scientists and Engineers	

PREREQUISITES/COREQUISITES	COURSES			CREDITS EARNED	GRADE
	<input type="checkbox"/>	SC/MATH 2565 3.00 <i>or</i> SC/GEO 2420 3.00 <i>or</i> SC/MATH 2930 3.00	Introduction to Applied Statistics <i>or</i> Introductory Statistical Analysis in Geography <i>or</i> Introductory Probability and Statistics		
	<input type="checkbox"/>	SC/PHYS 2020 3.00	Electricity and Magnetism		
6 credits of Non-Science (or Electives)	<input type="checkbox"/>				
	<input type="checkbox"/>				
	<input type="checkbox"/>				
Third Year Courses					
	<input type="checkbox"/>	LE/ESSE 3600 3.00	Geographical Information Systems (GIS) and Spatial Analysis		
9 credits from: LE/ESSE 3020 3.00, LE/ESSE 3030 3.00, LE/ESSE 3040 3.00, LE/ESSE 3180 3.00, SC/MATH 3241 3.00	<input type="checkbox"/>				
	<input type="checkbox"/>				
	<input type="checkbox"/>				
9 additional credits from ESSE courses at 3000 level or higher	<input type="checkbox"/>				
	<input type="checkbox"/>				
	<input type="checkbox"/>				
3 credits of Non-Science (or Electives)	<input type="checkbox"/>				
Elective Credits	<input type="checkbox"/>				
	<input type="checkbox"/>				
<p>A. General Education Requirement: <i>non-science requirement: 12 credits;</i> <i>mathematics: SC/MATH 1013 3.00; SC/MATH 1014 3.00;</i> <i>computer science: LE/EECS 1011 3.00 or LE/EECS 1541 3.00;</i> <i>foundational science: SC/PHYS 1010 6.00 or both of SC/PHYS 1800 3.00 and SC/PHYS 1801 3.00.</i></p> <p>B. Major Requirements the EATS program core, as specified above (19 credits);</p> <p>C. Science breadth: Science breadth: satisfied by above requirements.</p> <p>D. Upper level requirement: A minimum of 18 credits at the 3000 level or higher.</p> <p>E. Additional elective credits, as required, for an overall total of 90 credits.</p>					
TOTAL CREDITS & CGPA (minimum overall GPA of 4.00 required to graduate with a BSc)					
NOTES					

