LASSONDE SCHOOL OF ENGINEERING | YORK UNIVERSITÉ UNIVERSITY	**DEGREE CHECKLIST 2019-2020**	**BACHELOR OF SCIENCE (BSc) EARTH & ATMOSPHERIC SCIENCE**
	NAME	
	STUDENT #	

Students are strongly advised to refer to online Academic Calendars before enroling into courses: http://calendars.registrar.yorku.ca/

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

	COURSES			CREDITS EARNED	GRADE
	☐	SC/MATH 2565 3.00 ***or*** SC/GEO 2420 3.00 ***or*** SC/MATH 2930 3.00	Introduction to Applied Statistics ***or*** Introductory Statistical Analysis in Geography ***or*** Introductory Probability and Statistics		
	☐	SC/PHYS 2020 3.00	Electricity and Magnetism		
6 credits of Non-Science (or Electives)	☐				
	☐				
	☐				
Third Year Courses					
	☐	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, SC/MATH 3241 3.00	☐				
	☐				
	☐				
9 additional credits from ESSE courses at 3000 level or higher	☐				
	☐				
	☐				
3 credits of Non-Science (or Electives)	☐				
Elective Credits	☐				
	☐				

A. General Education Requirement:
non-science requirement: 12 credits;
mathematics: SC/MATH 1013 3.00; SC/MATH 1014 3.00;
computer science: LE/EECS 1011 3.00 or LE/EECS 1541 3.00;
foundational science: SC/PHYS 1010 6.00 or both of SC/PHYS 1800 3.00 and SC/PHYS 1801 3.00.
B. Major Requirements the EATS program core, as specified above (19 credits);
C. Science breadth:
Science breadth: satisfied by above requirements.
D. Upper level requirement:
A minimum of 18 credits at the 3000 level or higher.
E. Additional elective credits, as required, for an overall total of 90 credits.

TOTAL CREDITS & CGPA (minimum overall GPA of 4.00 required to graduate with a BSc)		

NOTES