		DEGREE CHECKLIST 2023-2024	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 1011 3.00	Physics I		
	☐	SC/PHYS 1012 3.00	Physics II		
3.00 Credits - Non-Science Requirement	☐				

Note: For students transferring into the EATS program, the following are acceptable substitutes for the 6 credit foundational science (physics) requirement: SC/PHYS 1800 3.00 and SC/PHYS 1801 3.00; or SC/ISCI 1310 6.00; or SC/ISCI 1301 3.00 and SC/ISCI 1302 3.00; or any of the following with a minimum grade of C in each course: SC/PHYS 1410 6.00; SC/PHYS 1420 6.00; SC/PHYS 1411 3.00 and SC/PHYS 1412 3.00; SC/PHYS 1421 3.00 and SC/PHYS 1422 3.00.

		Second Year Courses			
	☐	LE/EECS 2501 1.00	Fortran and Scientific Computing		
	☐	LE/ESSE 2010 3.00	Introductory Meteorology		
	☐	LE/ESSE 2020 3.00	Introduction to Climate Science		
	☐	LE/ESSE 2030 3.00	Planetary Geophysics		
	☐	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		

Second Year Courses Continued				CREDITS EARNED	GRADE
	☐	SC/GEO 2420 3.00 *or* SC/MATH 2565 3.00 *or* SC/MATH 2930 3.00	Introductory Statistical Analysis in Geography *or* Introduction to Applied Statistics *or* Introductory Probability and Statistics		
	☐	SC/PHYS 2020 3.00	Electricity and Magnetism		
3.00 Credits - Non-Science Requirement	☐				
3.00 Credits - Non-Science Requirement	☐				
Third Year Courses					
	☐	LE/ESSE 3600 3.00	Geographical Information Systems (GIS) and Spatial Analysis		
9.00 credits from: LE/ESSE 3020 3.00, LE/ESSE 3030 3.00, LE/ESSE 3040 3.00, SC/MATH 3241 3.00 ⊠	☐				
	☐				
	☐				
9.00 additional credits from ESSE courses at 3000 level or higher	☐				
	☐				
	☐				
3.00 Credits - Non-Science Requirement	☐				
Additional elective credits, preferably from LE/ESSE courses, for a minimum of 90 credits	☐				
	☐				

A. General Education Requirement:
non-science requirement: 12 credits from the approved list of courses and subject areas in your Academic Calendar;
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 1011 3.00 and SC/PHYS 1012 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 a minimum overall total of 90 credits.
F.Standing requirements: a minimum overall grade point average of 4.00 (C).

NOTES