



**DEGREE CHECKLIST  
2023-2024**

**BACHELOR OF SCIENCE (BSc Hons)  
EARTH & ATMOSPHERIC SCIENCE  
Honours - Atmospheric Science Stream**

**NAME**

**STUDENT #**

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

				<b>COURSES</b>	<b>CREDITS EARNED</b>	<b>GRADE</b>
<b>First Year Courses</b>						
	<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 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 1011 3.00	Physics I			
	<input type="checkbox"/>	SC/PHYS 1012 3.00	Physics II			
3.00 Credits - Non-Science Requirement	<input type="checkbox"/>					
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3.00 Credits - Non-Science Requirement	<input type="checkbox"/>					
<p><b>Note:</b> 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.</p>						
<b>Second Year Courses</b>						
	<input type="checkbox"/>	LE/EECS 2501 1.00	Fortran and Scientific Computing			
	<input type="checkbox"/>	LE/ESSE 2010 3.00	Introductory Meteorology			
	<input type="checkbox"/>	LE/ESSE 2020 3.00	Introduction to Climate Science			
	<input type="checkbox"/>	LE/ESSE 2030 3.00	Planetary Geophysics			
	<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			
	<input type="checkbox"/>	SC/PHYS 2020 3.00	Electricity and Magnetism			
3.00 Credits - Non-Science Requirement	<input type="checkbox"/>					
The course requirements for the second major or the minor	<input type="checkbox"/>					
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		COURSES		CREDITS EARNED	GRADE
<b>Third Year Courses</b>					
	<input type="checkbox"/>	LE/ESSE 3030 3.00	Atmospheric Radiation and Thermodynamics		
	<input type="checkbox"/>	LE/ESSE 3040 3.00	Atmospheric Dynamics I		
The course requirements for the second major or the minor including credits at the 3000-level or higher for a minimum overall total of 42 credits at the 3000-level or higher.	<input type="checkbox"/>				
	<input type="checkbox"/>				
	<input type="checkbox"/>				
	<input type="checkbox"/>				
	<input type="checkbox"/>				
	<input type="checkbox"/>				
	<input type="checkbox"/>				
<b>Fourth Year Courses</b>					
	<input type="checkbox"/>	LE/ESSE 4050 3.00	Synoptic Meteorology I		
	<input type="checkbox"/>	LE/ESSE 4051 3.00	Synoptic Meteorology II		
	<input type="checkbox"/>	LE/ESSE 4120 3.00	Cloud Physics and Radar Meteorology		
	<input type="checkbox"/>	LE/ESSE 4130 3.00	Atmospheric Dynamics II		
	<input type="checkbox"/>	LE/ESSE 4140 3.00	Numerical Weather Prediction		
	<input type="checkbox"/>	LE/ESSE 4230 3.00	Remote Sensing of the Atmosphere		
The course requirements for the second major or the minor including credits at the 3000-level or higher for a minimum overall total of 42 credits at the 3000-level or higher.	<input type="checkbox"/>				
	<input type="checkbox"/>				
	<input type="checkbox"/>				
	<input type="checkbox"/>				
	<input type="checkbox"/>				
<p><b>A. General Education Requirement:</b>  <i>non-science requirement:</i> 12 credits from the approved list of courses and subject areas in your Academic Calendar;  <i>mathematics:</i> SC/MATH 1013 3.00; SC/MATH 1014 3.00;  <i>computer science:</i> LE/EECS 1011 3.00 or LE/EECS 1541 3.00;  <i>foundational science:</i> SC/PHYS 1010 6.00, or both of: SC/PHYS 1011 3.00 and SC/PHYS 1012 3.00.</p> <p><b>B. Major Requirements</b> the EATS program core, as specified above (19 credits);</p> <p><b>C. Science breadth:</b>  Science breadth: satisfied by above requirements.</p> <p><b>D. Upper level requirement:</b>  A minimum of 42 credits at the 3000 level or higher.</p> <p><b>E. Additional elective credits, as required,</b> for an overall total of 120 credits.</p> <p><b>F. Standing requirements:</b> a minimum cumulative credit-weighted grade point average of 5.00 (C+) over all courses completed.</p>					
Participation in the Co-Op Program is highly recommended for all Honours students, but is not a degree requirement.					
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