



**DEGREE CHECKLIST  
2017-2018**

**BACHELOR OF SCIENCE (BSc)  
EARTH & ATMOSPHERIC SCIENCE  
Honours - Geomatics Science Stream -- Suspend Offering for FW17**

**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
<b>First Year Courses</b>				
	<input type="checkbox"/>	LE/EECS 1541 3.00 Introduction to Computing for the Physical Sciences		
	<input type="checkbox"/>	LE/ESSE 1010 3.00 The Dynamic Earth and Space Geodesy		
	<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 Physics		
	<input type="checkbox"/>	LE/EECS 1012 3.00 Net-Centric Introduction to Computing		
<b>6 credits of Non-Science (or Electives)</b>	<input type="checkbox"/>			
	<input type="checkbox"/>			
<b>Second Year Courses</b>				
	<input type="checkbox"/>	LE/ESSE 2030 3.00 Geophysics and Space Science		
	<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/MATH 2930 3.00 Introductory Probability and Statistics		
	<input type="checkbox"/>	SC/PHYS 2020 3.00 Electricity and Magnetism		
<b>6 credits of Non-Science (or Electives)</b>	<input type="checkbox"/>			
	<input type="checkbox"/>			
	<input type="checkbox"/>			
	<input type="checkbox"/>			
	<input type="checkbox"/>			

**NOTES**

PREREQUISITES/COREQUISITES	COURSES	CREDITS EARNED	GRADE
<b>Third Year Courses</b>			
	<input type="checkbox"/> LE/ESSE 3600 3.00 Geographical Information Systems (GIS) and Spatial Analysis		
	<input type="checkbox"/> LE/ESSE 3610 3.00 Geodetic Concepts		
	<input type="checkbox"/> SC/ESSE 3620 3.00 Adjustment Calculus		
	<input type="checkbox"/> SC/ESSE 3650 3.00 Photogrammetry		
<b>Electives (or Non-Science)</b>	<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 4020 3.00 Time Series and Spectral Analysis		
	<input type="checkbox"/> LE/ESSE 4220 3.00 Remote Sensing of the Earth's Surface		
	<input type="checkbox"/> LE/ESSE 4610 3.00 Global Positioning Systems		
<b>3 additional ESSE credits at the 4000 level</b>	<input type="checkbox"/>		
<b>Electives (or Non-Science)</b>	<input type="checkbox"/>		
	<input type="checkbox"/>		
	<input type="checkbox"/>		
	<input type="checkbox"/>		
	<input type="checkbox"/>		
	<input type="checkbox"/>		
<p style="text-align: center;"> <b>A. General Education Requirement:</b>  <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 1541 3.00;</i>  <i>foundational science: SC/PHYS 1010 6.00</i> </p> <p style="text-align: center;"> <b>B. Major Requirements:</b> (as stated on the degree checklist above)         </p> <p style="text-align: center;"> <b>C. Science breadth:</b>            Science breadth: satisfied by above requirements.         </p> <p style="text-align: center;"> <b>D. Upper level requirement:</b>            A minimum of 42 credits at the 3000 level or above.         </p> <p style="text-align: center;"> <b>E. Additional elective credits, as required,</b> for an overall total of 120 credits.         </p>			
<b>TOTAL CREDITS &amp; CGPA (minimum overall GPA of 5.00 required to graduate in a BSc Honours program)</b>			
Participation in the Coop Program is highly recommended for students, but I not a degree requirement.			
<b>NOTES</b>			
<div style="display: flex; justify-content: space-between;"> <span data-bbox="1029 1927 1352 1959">BSc Hons, EATS - Geomatics Science</span> <span data-bbox="1393 1927 1495 1959">Page 2 of 2</span> </div>			