

Name \_\_\_\_\_

**HONORS SPECIALIZATION IN GIS – BSc (10.0 courses)**

Requirements	Check List
<p><b>Admission Requirements</b>            Completion of first year requirements*, including 1.0 course <u>Geography 1100</u> Fundamentals of Geography, 1300A/B Intro to the Physical Environment, 1400F/G Intro to the Human Environment, 1500F/G Environment &amp; Development Challenges, 2131A/B Natural Environment, 2153A/B Environment, Economy, &amp; Society, <u>Environmental Science 1021F/G</u> Environmental Science &amp; Sustainability &amp; 3.0 courses from the Faculty of Science, <b>not including</b> Astronomy 1011A/B, 1021, Biology 1225, 1229A/B, 1290B, Chemistry 1027A/B, Computer Science 1011A/B, 1032A/B, 1033A/B, Earth Sciences 1086F/G, 1088F/G, 1089F/G, Mathematics 0110A/B, Physics 1021. Students must have an average of at least 70% in Geography and 2.0 courses from the Faculty of Science, with no mark in these principal courses below 60%.</p> <p>1. 1.0 from Geography 1100, 1300A/B, 1400F/G, 1500F/G, 2131A/B, 2153A/B, Environmental Science 1021F/G _____</p> <p>2. Science _____ 3. Science _____</p> <p>4. Science _____ 5. _____</p> <p><i>*You may take senior courses only if you have completed all first year requirements or you are completing them concurrently.</i></p>	<p><b>Year I</b></p> <p><input type="checkbox"/> 5.0 courses numbered 1000-1999 in at least four <b>different</b> subjects</p> <p><input type="checkbox"/> 3.0 courses from <b>Science</b></p> <p><input type="checkbox"/> <b>70%</b> in 3.0 principal courses including 1.0 course from Geog and 2.0 from Science</p> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p><b>1<sup>st</sup> Year PAVG:</b> _____</p> </div> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p><b>Module AVG:</b> _____</p> </div>
<p><b>Module Requirements</b>  <b>0.5*: Geography 2210A/B Spatial Analysis</b> (normally taken in Year 2) _____  <i>*In cases where an antirequisite statistics course has been taken instead, the module will be 9.5 courses.</i></p> <p><b>1.5: Geography 2220A/B Geographic Information Science</b> _____  <b>2230A/B Remote Sensing</b> _____  <b>2240A/B Introductory Cartography</b> _____</p> <p><b>1.0:</b> Geography 2310A/B Weather and Climate _____ 2320A/B Introductory Biogeography _____            2330A/B Geomorphology and Hydrology _____ 2410A/B Social Geography _____            2411F/G Indigenous Environments _____ 2420A/B Economic Geography _____            2430A/Public Health and Environment _____            2450F/G Introduction to Resource and Environmental Management _____            2460F/G Introduction to Urban Development _____            3250A/B Social Science Research Methods in Geography _____</p> <p><b>1.5: Geography 3210A/B Quantitative Analysis in Geography</b> _____ (normally taken in year 3)  <b>3211A/B Spatial Statistics</b> _____ <b>3222A/B Geographic Information Science II</b> _____</p> <p><b>1.5: Computer Science 2034A/B Data Analytics: Principles and Tools</b> _____            2120A/B Computing and Informatics for Life Sciences _____  <u>Earth Science 3323A/B</u> Introduction to Geodesy &amp; Remote Sensing _____            3350Y Advanced Field Mapping Techniques _____  <u>Geography 3221A/B</u> Advanced Seminar in Geographic Information Science _____            3223A/B Decision-Making with GIS _____ 3231A/B Advanced Topics in Remote Sensing _____            3260A/B Environmental Modeling with GIS and Remote Sensing _____            3321A/B Advanced Biogeography _____ 3421A/B Location Theory and Analysis _____            4220A/B GeoWeb and Geomedia _____</p> <p><b>0.5: Geography 4000A/B The Nature &amp; Philosophy of Geog</b> _____</p> <p><b>3.5:</b> Geography at the 3000 level or above, with Geography 3000Y or 3001F/G strongly recommended. Students wishing to pursue Graduate Studies are encouraged to take Geog 4900E Thesis.            Geog 3xxxA/B _____ Geog 3xxxA/B _____ Geog 3xxxA/B _____ Geog 3xxxA/B _____            Geog 3xxxA/B _____ Geog 3xxxA/B _____ Geog 3xxxA/B _____</p> <p>When taken within this module, the following Geog courses count towards meeting the requirement of 11.0 Science courses in a 4-Year BSc: Geography 2122A/B, 2131A/B, 2210A/B, 2220A/B, 2230A/B, 2240A/B, 2310A/B, 2320A/B 2330A/B, 3210A/B, 3211A/B, 3221A/B, 3222A/B, 3223A/B, 3231A/B, 3241A/B, 3260A/B, 3311A/B, 3312A/B, 3321A/B, 3331A/B, 3333A/B, 3334A/B, 3341A/B, 3342A/B, 3343A/B, 3350A/B, 3351A/B, 3352A/B, 4901E.</p>	<p><b>Essential Module:</b></p> <p><input type="checkbox"/> <b>10.0</b> courses specified for the Module</p> <p><b>Essays:</b></p> <p><input type="checkbox"/> 2.0 <b>designated essay</b> courses including 1.0 numbered 2000 or above</p> <p><b>Breadth:</b></p> <p><input type="checkbox"/> 1.0 <b>Category A</b> course – Social Science</p> <p><input type="checkbox"/> 1.0 <b>Category B</b> course – Arts</p> <p><input type="checkbox"/> 1.0 <b>Category C</b> course – Science</p> <p><b>Number of Courses:</b></p> <p><input type="checkbox"/> <b>20.0</b> courses with no failures</p> <p><input type="checkbox"/> No more than <b>14.0</b> courses in a subject</p> <p><input type="checkbox"/> No more than <b>7.0</b> first year courses.</p> <p><input type="checkbox"/> <b>11.0</b> Science or Science-equivalent courses</p> <p><b>Averages:</b></p> <p><input type="checkbox"/> <b>70%</b> cumulative average in the Module</p> <p><input type="checkbox"/> <b>60%</b> cumulative average in any additional Module taken</p> <p><input type="checkbox"/> <b>65%</b> cumulative average on 20.0 courses successfully completed</p> <p><b>Grades:</b></p> <p><input type="checkbox"/> Minimum mark of <b>60%</b> for each course in the module</p> <p><input type="checkbox"/> <b>Passing grade</b> in each option</p>

**It is the student's responsibility to check that all the graduation requirements have been met.**