

Name \_\_\_\_\_

**HONORS DOUBLE MAJOR  
MAJOR IN GIS + SECOND MAJOR – BA OR BSc (6.0 courses)**

Requirements	Check List
<p><b>Admission Requirements</b>            Completion of first-year requirements with no failures*. Students must have an average of at least 70% in 3.0 principal courses, including 1.0 course from <u>Geography</u> 1100 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</u> 1021F/G Environmental Science &amp; Sustainability plus 2.0 more courses, with no mark in these courses below 60%.</p> <p>1. 1.0 from Geography 1100, 1300B, 1400G, 1500F, 2131A/B, 2153A/B,            Environmental Science 1021F/G _____</p> <p>2. _____ 3. _____</p> <p>4. _____ 5. _____</p> <p><small>*You may take senior courses only if you have completed all 1<sup>st</sup> yr requirements or you are completing them concurrently.</small></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"/> 1.0 course 1001-1999 from <b>Arts OR Science</b></p> <p><input type="checkbox"/> <b>70%</b> in 3.0 principal courses including 1.0 course from Geography</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 10px auto;">1<sup>st</sup> Year PAVG: _____</div> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 10px auto;">Module AVG: _____</div>
<p><b>Module Requirements</b></p> <p><b>0.5: Geography 2210A/B Spatial Analysis</b> (normally taken in Year 2) _____ or any university-level statistics course at the 2000 level or above (If a 1.0 course is taken, the module will consist of 6.5 courses)</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: Geography 2310A/B Weather and Climate</b> _____            2320A/B Introductory Biogeography _____            2330A/B Geomorphology and Hydrology _____            2410A/B Social Geography _____ 2411F/G Indigenous Environments _____            2420A/B Economic Geography _____ 2430A/B Public Health &amp; Environment _____            2450F/G Introduction to Resource and Environmental Management _____            2460F/G Introduction to Urban Development _____</p> <p><b>1.0: Geography 3211A/B Spatial Statistics</b> _____  <b>3222A/B Geographic Information Science II</b> _____</p> <p><b>2.0: Computer Science 2034A/B Data Analytics: Principles and Tools</b> _____            2120 A/B Computing and Informatics for Life Sciences _____  <u>Geography</u> 3210A/B Quantitative Analysis _____            3221A/B 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><small>When taken within this module, the following Geog courses count towards meeting the requirement of 11.0 Science courses in a 4-Yr BSc: Geog 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, 4901E.</small></p>	<p><b>Essential Module:</b></p> <p><input type="checkbox"/> <b>6.0</b> courses specified for the GIS Major</p> <p><input type="checkbox"/> <b>6.0</b> for the second major</p> <p><b>Essays:</b></p> <p><input type="checkbox"/> 2.0 <b>designated essay</b> courses including 1.0 at 2000 level 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>7.0</b> 1<sup>st</sup> yr courses</p> <p><input type="checkbox"/> <b>11.0 Science</b> or Science-equivalent courses for the BSc</p> <p><b>Averages:</b></p> <p><input type="checkbox"/> <b>70%</b> cumulative average in the Module</p> <p><input type="checkbox"/> <b>70%</b> cumulative average in the second major</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.**