

Name _____

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

Requirements	Check List
<p>Admission Requirements 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 & Development Challenges, 2131A/B Natural Environment, 2153A/B Environment, Economy, & Society, <u>Environmental Science</u> 1021F/G Environmental Science & 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><i>*You may take senior courses only if you have completed all 1st yr requirements or you are completing them concurrently.</i></p>	<p>Year I</p> <p><input type="checkbox"/> 5.0 courses numbered 1000-1999 in at least four different subjects</p> <p><input type="checkbox"/> 1.0 course 1001-1999 from Arts OR Science</p> <p><input type="checkbox"/> 70% 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;">1st Year PAVG: _____</div> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 10px auto;">Module AVG: _____</div>
<p>Module Requirements</p> <p>0.5: Geography 2210A/B Spatial Analysis (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>1.5: Geography 2220A/B Geographic Information Science _____ 2230A/B Remote Sensing _____ 2240A/B Introductory Cartography _____</p> <p>1.0: 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/B Public Health & Environment _____ 2450F/G Introduction to Resource and Environmental Management _____ 2460F/G Introduction to Urban Development _____</p> <p>1.0: Geography 3211A/B Spatial Statistics _____ 3222A/B Geographic Information Science II _____</p> <p>2.0: Computer Science 2034A/B Data Analytics: Principles and Tools _____ 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 _____ Or the former Geog 2122A/B Spatial Techniques _____</p> <p>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.</p>	<p>Essential Module:</p> <p><input type="checkbox"/> 6.0 courses specified for the GIS Major</p> <p><input type="checkbox"/> 6.0 for the second major</p> <p>Essays:</p> <p><input type="checkbox"/> 2.0 designated essay courses including 1.0 at 2000 level or above</p> <p>Breadth:</p> <p><input type="checkbox"/> 1.0 Category A course – Social Science</p> <p><input type="checkbox"/> 1.0 Category B course – Arts</p> <p><input type="checkbox"/> 1.0 Category C course – Science</p> <p>Number of Courses:</p> <p><input type="checkbox"/> 20.0 courses with no failures</p> <p><input type="checkbox"/> No more than 7.0 1st yr courses</p> <p><input type="checkbox"/> 11.0 Science or Science-equivalent courses for the BSc</p> <p>Averages:</p> <p><input type="checkbox"/> 70% cumulative average in the Module</p> <p><input type="checkbox"/> 70% cumulative average in the second major</p> <p><input type="checkbox"/> 65% cumulative average on 20.0 courses successfully completed</p> <p>Grades:</p> <p><input type="checkbox"/> Minimum mark of 60% for each course in the module</p> <p><input type="checkbox"/> Passing grade in each option</p>

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