

Name _____

**BA or BSc 4 YEAR OR BA 3 YEAR
MAJOR IN GIS (6.0 courses)**

| Requirements | Check List |
|--|--|
| <p>Admission Requirements Completion of 1st yr requirements*, 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 with a mark of at least 60% in each Geography course 1.0 from Geography 1100, 1300B, 1400G, 1500F, 2131A/B, 2153A/B, Environmental Science 1021F/G _____ 2. _____ 3. _____ 3. _____ 4. _____</p> <p><i>*You may take senior courses only if you have completed all 1st year requirements or you are completing them concurrently.</i></p> | <p>Year I <input type="checkbox"/> 5.0 courses numbered 1000-1999 in at least four different subjects <input type="checkbox"/> 1.0 course 1001-1999 from Arts OR Science <input type="checkbox"/> 60% in 1.0 course from Geography</p> |
| <p>Module Requirements 0.5*: Geography 2210A/B Spatial Analysis or any university-level statistics course at the 2000 level or above* (normally taken in Year 2) _____ *If a 1.0 course is taken, the module will consist of 6.5 courses 1.5: Geography 2220A/B Geographic Information Science _____ 2230A/B Remote Sensing _____ 2240A/B Introductory Cartography _____ 1.0: Geography 2310A/B Weather and Climate _____ 2320A/B Introductory Biogeography _____ 2330A/B Geomorphology & Hydrology _____ 2410A/B Social Geography _____ 2411F/G Indigenous Environments _____ 2420A/B Economic Geography _____ 2430A/B Public Health & Environment _____ 2450F/G Introduction to Resource & Environmental Management _____ 2460F/G Introduction to Urban Development _____ 1.0: Geography 3211A/B Spatial Statistics _____ 3222A/B Geographic Information Science II _____ (normally taken in year 3) 2.0: <u>Computer Science</u> 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 _____ 3241A/B Advanced Cartography _____ 3260A/B Environmental Modeling with GIS and Remote Sensing _____ 3421A/B Location Theory and Analysis _____ 4220A/B GeoWeb & Geomedia _____ Or the former Geog 2122A/B Spatial Techniques _____ When taken within this module, the following Geography courses count towards meeting the requirement of 11.0 Science courses in a 4-Year BSc: Geography 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>Essential Module: <input type="checkbox"/> 6.0 courses specified for the GIS Major Essays: <input type="checkbox"/> 2.0 designated essay courses including 1.0 numbered 2000 or above Breadth: <input type="checkbox"/> 1.0 Category A course – Social Science <input type="checkbox"/> 1.0 Category B course – Arts <input type="checkbox"/> 1.0 Category C course – Science Number of Courses: <input type="checkbox"/> 20.0 courses with no failures (for the 4 year BA or BSc) <input type="checkbox"/> 15.0 courses with no failures (for the 3 year BA) <input type="checkbox"/> No more than 14.0 courses in a subject <input type="checkbox"/> No more than 7.0 Year I courses. <input type="checkbox"/> 11.0 Science or Science-equivalent courses for the 4 year BSc Averages: <input type="checkbox"/> 60% cumulative average in the Module <input type="checkbox"/> 60% cumulative average in any additional module taken <input type="checkbox"/> 60% cumulative average on 20.0 (or 15.0 for the BA 3 Year) courses successfully completed Grades: <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.