Name _____ *Student #* _____ **As of** _____

HON

HONOURS BSc in
GEOGRAPHIC INFORMATION SCIENCE (10.0 courses)

Requirements	Check List
Admission Requirements	<u>**Year I**</u>

Admission Requirements

Completion of first year requirements with no failures. Students must have an average of at least 70% and no mark less than 60% in the 3.0 principal courses.

Principal Courses:

☐ **1.0*:** <u>Geography</u> 1200A/B The Climate Emergency, 1300A/B Intro to the Physical Environment, 1400F/G Intro to the Human Environment, 1500F/G Environment & Development Challenges, 2131A/B Natural Environment, 2132A/B Digital Earth, 2133A/B Connecting for Climate Change Action (C4CCA), 2152F/G Geography of Hazards, 2153A/B Environment, Economy, & Society, <u>Environmental Science</u> 1021F/G Environmental Science & Sustainability _____ _____

☐ **2.0:** Courses numbered 1000-1999 from the Faculty of Science (which may include Environmental Science 1021F/G if not used above) but may not include <u>Astronomy</u> 1011A/B, 1021, <u>Biology</u> 1225, 1229A/B, 1290B, <u>Chemistry</u> 1027A/B, <u>Computer Science</u> 1011A/B 1032A/B, 1033A/B, <u>Earth Sciences</u> 1086F/G, 1089F/G, Former 1088F/G, <u>Mathematics</u> 0110A/B, <u>Physics</u> 1021.

_____ _____ _____ _____

☐ **1.0:** Additional 1000-1999 Faculty of Science course _____ _____

Check List — Year I

☐ 5.0 courses numbered 1000-1999 in at least four **different** subjects

☐ 3.0 courses from **Science**

☐ **70%** in 3.0 principal courses including 1.0 course from Geog and 2.0 from Science

1st Year PAVG: _____

Module AVG: _____

Module Requirements

☐ **0.5*: Geography 2210A/B Intro to Statistics for Geographers** _____ (normally taken in Year 2)
*In cases where an antirequisite statistics course has been taken instead, the module will be 9.5 courses.

☐ **1.0: Geography 2220A/B Geographic Information Science I** _____
      2230A/B Remote Sensing _____

☐ **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 _____
      2412F/G Indigenous Health and Healthcare Environments _____
      2420A/B Economic Geography _____ 2430A/B Public Health and Environment _____
      2460F/G Introduction to Urban Development _____
      3250A/B Social Science Research Methods in Geography _____

☐ **2.0: Geography 3210A/B Geocomputation** _____
      3211A/B Spatial Data Analysis _____
      3222A/B Geographic Information Science II _____
      3231A/B Advanced Topics Remote Sensing _____

☐ **1.5:** <u>Computer Science</u> 2034A/B Data Analytics: Principles and Tools _____
      2120A/B Computing and Informatics for Life Sciences _____
      <u>Earth Sciences</u> 3223A/B Introduction to Geodesy and Remote Sensing _____
      3350Y Advanced Field Mapping Techniques _____
      <u>Geography</u> 3224A/B Spatial Ecology and GIS _____ 3225A/B Transportation Geog & GIS _____
      3226A/B Urban Data Science _____ 4220A/B GeoWeb and Geomedia _____

☐ **0.5: Geography 4000A/B The Nature and Philosophy of Geography** _____

☐ **3.5:** in 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 Geography 4900E or 4901E Thesis.)
      Geog 3xxxA/B _____   Geog 3xxxA/B _____   Geog 3xxxA/B _____
      Geog 3xxxA/B _____   Geog 3xxxA/B _____
      Geog 3xxxA/B _____   Geog 3xxxA/B _____

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 2210A/B, 2220A/B, 2230A/B, 2310A/B, 2320A/B, 2330A/B. 3210A/B, 3211A/B, 3222A/B, 3224A/B, 3226A/B, 3231A/B, 3311A/B, 3334A/B, 3341A/B, 3343A/B, 3350A/B, 3352A/B, 3353A/B, 3354A/B 4901E

Check List — Module

<u>**Essential Module:**</u>
☐ **10.0** courses for the Module; count so far _____
<u>**Essays:**</u>
☐ 2.0 **designated essay** courses including 1.0 numbered 2000 or above
<u>**Breadth:**</u>
☐ 1.0 **Category A** – Social Science
☐ 1.0 **Category B** – Arts
☐ 1.0 **Category C** – Science
<u>**Number of Courses:**</u>
☐ **20.0** courses with no failures; count so far _____
☐ No more than **14.0** courses in a subject; _____
☐ No more than **7.0** first year courses; count _____
☐ **11.0** Science or Science-equivalent courses; _____
<u>**Averages:**</u>
☐ **70%** cumulative average in the Module
☐ **60%** cumulative average in any additional Module
☐ **65%** cumulative average on 20.0 courses successfully completed
<u>**Grades:**</u>
☐ Minimum mark of **60%** for each module course
☐ **Passing grade** in each option

Science or Science-equivalent course count: Year 1: _____ Year 2: _____ Year 3: _____ Year 4: _____

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