### 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 Geog 1100 Fundamentals of Geog, 1300A/B Physical Geog, 1400F/G How Humans Interact with the World, 1500F/G Environment & Development Challenges, 2131A/B Natural Environment, 2153A/B Environment, Economy, & Society, plus 2.0 additional courses, with no mark in these principal courses below 60%.

1. 1.0 from Geog 1100, 1300A/B, 1400F/G, 1500F/G, 2131A/B, 2153A/B

2. _______________    _______________

3. _______________    _______________

4. _______________    _______________

*You may take senior courses only if you have completed all first year requirements or you are completing them concurrently.

### Module Requirements

#### 0.5*: Geog 2210A/B Spatial Analysis (normally taken in Year 2)

2.0: Geog 2122A/B Spatial Techniques
   - 2220A/B Geographic Information Science
   - 2230A/B Remote Sensing
   - 2240A/B Introductory Cartography

1.0: Geog 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 and Environment
   - 2450F/G Introduction to Resource and Environmental Management
   - 2460F/G Introduction to Urban Development
   - 3250A/B Social Science Research Methods in Geography

1.5: Geog 3210A/B Quantitative Analysis in Geography
   - 3211A/B Spatial Statistics
   - 3222A/B Geographic Information Science II

1.5: Computer Science 2034A/B Data Analytics: Principles and Tools
   - 2120A/B Computing and Informatics for Life Sciences
   - Geog 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

1.0: Geog 3241A/B Advanced Cartography
   - 4000A/B The Nature and Philosophy of Geography

#### 2.5: in Geog 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.

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*In cases where an antirequisite statistics course has been taken instead, the module will be 9.5 courses.

### Check List

#### Year I

- 5.0 courses numbered 1000-1999 in at least four different subjects
- 1.0 course 1001-1999 from Arts OR Science
- 70% in 3.0 principal courses including 1.0 course from Geography

### Essential Module:

- 10.0 courses specified for the Module
- Essays: 2.0 designated essay courses including 1.0 numbered 2000 or above
- Breadth: 1.0 Category A course – Social Science
- 1.0 Category B course – Arts
- 1.0 Category C course – Science

### Number of Courses:

- 20.0 courses with no failures
- No more than 14.0 courses in a subject
- No more than 7.0 first year courses.

### Averages:

- 70% cumulative average in the Module
- 60% cumulative average in any additional Module taken
- 65% cumulative average on 20.0 courses successfully completed

### Grades:

- Minimum mark of 60% for each course in the module
- Passing grade in each option

### 1st Year PAVG: ______

### Module AVG: ______

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