

APPLIED GEOMATICS (AG)

Department of Geography, Environment and Geomatics, College of Social and Applied Human Sciences

The minor in Applied Geomatics offers students with expertise in the science and application of geospatial tools including Geographic Information Systems (GIS) (e.g., ArcGIS, GoogleEarth), remote sensing (e.g., extracting information from satellite images), and Geographic Positioning Systems (GPS). Although students learn fundamental underlying science, the focus of the minor is on the application of these spatial technologies. The program of studies has been designed to be complementary with a wide range of Majors and disciplines on campus, including the ability to select from a wide range of restricted electives, so that students can learn how to apply geomatics to their primary area of expertise.

Minor Requirements (Honours)

A minimum of 5.00 credits is required.

Code	Title	Credits
GEOG*2420	The Earth From Space	0.50
GEOG*2480	Mapping and GIS	0.50
GEOG*3420	Remote Sensing of the Environment	0.50
GEOG*3480	GIS and Spatial Analysis	0.50
GEOG*4480	Applied Geomatics	1.00
CIS*1300	Programming	0.50
or CIS*1500	Introduction to Programming	
GEOG*3430	Geomatics for Environmental Analysis	0.50
or GEOG*3440	GIS for Decision-Making	
Select 0.50 credits from the following:		
GEOG*1200	Society and Space	0.50
GEOG*1220	Explaining Environmental Change	0.50
GEOG*1300	Introduction to the Biophysical Environment	0.50
GEOG*1350	Earth: Hazards and Global Change	0.50
Select 0.50 credits from the following:		
ECON*2740	Economic Statistics	0.50
GEOG*2460	Analysis in Geography	0.50
POLS*3650	Quantitative Methods of Data Analysis	0.50
SOAN*3120	Quantitative Methods	0.50
STAT*2040	Statistics I	0.50
STAT*2060	Statistics for Business Decisions	0.50
STAT*2080	Introductory Applied Statistics I	0.50
STAT*2120	Probability and Statistics for Engineers	0.50
STAT*2230	Biostatistics for Integrative Biology	0.50