Professional Certification in Geoscientists

All geoscientists working in Ontario must be certified as Professional Geoscientists (P. Geo). The Honours Earth & Environmental Sciences (B.Sc.) fulfills educational requirements for professional certification.

Students who registered in this program prior to January 2008, must meet the Minimum Knowledge requirements of the APGO (Association of Professional Geoscientists of Ontario). These requirements can be found here (include link to www.apgo.net).

Students who registered in the Honours Earth and Environmental Sciences (B.Sc.) as of January 2008, must meet the new knowledge requirements adopted by the CGSB (Canadian Geoscience Standards Board) in November 2007.

These requirements are indicated below, with the relevant courses offered by the School of Geography and Earth Sciences indicated between parentheses.

- Compulsory Foundation Science (1 course in each area): Chemistry, Mathematics, Physics
- Additional Foundation Science (6 courses in total, with no more than 2 courses in any one subject): Biology, Chemistry, Mathematics, Physics, Statistics
- Compulsory Geoscience (1 course in each area):
  - Field Techniques (Earth Sc 3FE3)
  - Mineralogy and Petrology (Earth Sc 2K03)
  - Clastic Sedimentary Environments (Earth Sc 3E03)
  - Structural Geology (Earth Sc 3Z03)
- Additional Geoscience courses must be taken (minimum of 5 from 3 sub-groups in total; a minimum of 1 and at most 2 from each sub-group).

For the CGSB Geology specialization, the subgroups are:
- Geochemistry (Earth Sc 2Q03) or Geophysics (Earth Sc 3V03)
- Igneous or Metamorphic Petrology (Earth Sc 3K03)
- Clastic Sedimentary Environments (Earth Sc 3E03), Glacial Geology (Earth Sc 4G03), Remote Sensing (Earth Sc 3SR3)

For the CGSB Environmental Geoscience specialization, the subgroups are:
- Geochemistry (Earth Sc 2Q03) or Geophysics (Earth Sc 3V03)
- Hydrogeology (Earth Sc 3W03) or Hydrology (Earth Sc 2W03)
- Glacial Geology (Earth Sc 4G03), Geomorphology (Earth Sc 2G03), Remote Sensing (Earth Sc 3SR3)

- A minimum of 9 other Geoscience courses must be taken. Extra courses not used to meet the requirements listed above can be used to satisfy this set of knowledge requirements.