



# GEOMATICS ENGINEERING

CURRICULUM UPDATES

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## RECAP

Students following the 2014-2015 or 2015-2016 or 2016-2017 or 2017-2018 Academic Calendars:

EECS 2031 3.00 is listed as a degree requirement.

- Previous approved course substitution: Take EECS 1541 3.00 to satisfy your EECS 2031 3.00 degree requirement.
- Approved course substitution effective Fall 2019: If EECS 1541 3.00 was not completed by Winter 2019, you must complete ESSE 2220 3.00 (not EECS 1541 3.00) to satisfy the EECS 2031 3.00 degree requirement.

Students following the 2018-2019 Academic Calendar:

While ESSE 2220 3.00 is listed as a degree requirement, it was not offered in the Fall/Winter 2018-2019 academic session.

- Approved course substitution: Students requiring ESSE 2220 3.00 were approved to complete EECS 2031 3.00 E/Z instead in the Fall/Winter 2018-2019 academic session only.

**Replacement:** ESSE 3620 3.00 was replaced with ESSE 2640 3.00.

**Replacement:** ESSE 4610 3.00 was replaced with ESSE 3670 3.00.

**If you entered in Fall/Winter 2013-2014:** If you have not yet taken ENG 2002 3.00, the approved substitute is ENG 3330 3.00.



# GEOMATICS AT A GLANCE

- **Geomatics:**
  - The discipline concerned with the collection, distribution, storage, analysis, processing, and presentation of geographic data or geographic information [ISO/TC 211].
  
- **Geomatics Engineering:**
  - An engineering discipline that deals with the acquisition, analysis and management of spatially referenced data that identifies locations.
  - Involved in a wide array of information gathering activities that begin with the design and implementation of the data generation (hardware and software) systems themselves, and facilitates both application, research and management activities.
  
- **Career prospects:**
  - Software/hardware/system development in high tech
  - Licensed Land Surveyors
  - Specialist in spatial (information) analysis
  
- **Professional bodies:**
  - [Professional Engineers Ontario \(PEO\)](#)
  - [Association of Ontario Land Surveyors \(AOLS\)](#)
  - [Canadian Board of Examiners for Professional Surveyors \(CBEPS\)](#)
  
- **Explore local companies:**
  - [Applanix](#), [PCI Geomatics](#), [Teledyne Optech](#), [J.D. Barnes Limited](#), [Cansel](#)