

# **GEOMATICS ENGINEERING**

#### **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.

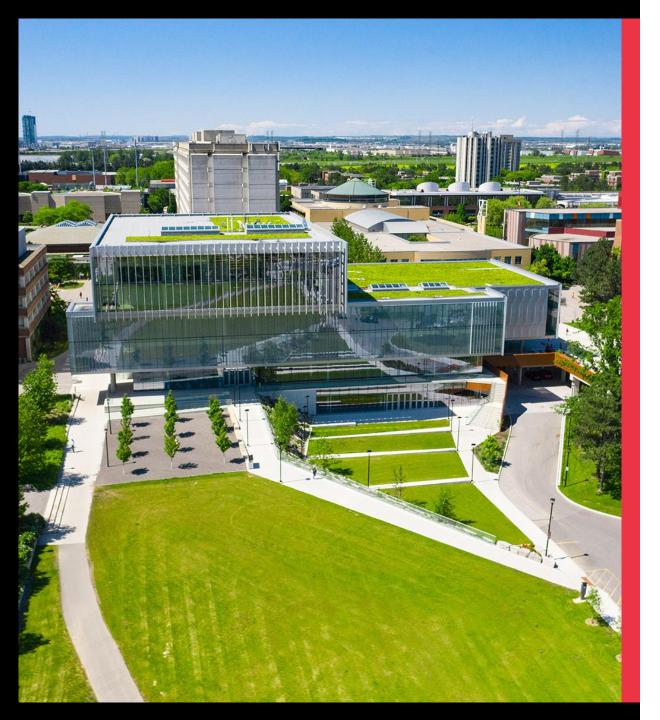
• Approved course substitution: Students requiring ESSE 2220 3.00 were approved to complete EECS 2031 3.00 E/Z instead in the Fall/Winter 2018-2019 academic session only.

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

