



The Association of Professional  
Engineers and Geoscientists of Alberta

**GEOMATICS ENGINEERING  
COURSE EQUIVALENTS  
2018 Edition**

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*University of Calgary*

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**18-Geom-A1 Surveying**

ENGO 103 Survey Block Week

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ENGO 343 Fundamentals of Surveying

&

ENGO 501 Field Surveys

**18-Geom-A2 Adjustment of Observations and Data Analysis**

ENGO 327 Spectral Analysis in Geomatics

&

ENGO 361 Least Squares Estimation

**18-Geom-A3 Geodesy and Positioning**

ENGO 421 Coordinate Systems

&

ENGO 423 Geodesy

**18-Geom-A4 Photogrammetry**

ENGO 431 Principles of Photogrammetry

**18-Geom-A5 Remote Sensing and Image Analysis**

ENGO 435 Remote Sensing

**18-Geom-A6 Cadastral Studies**

ENGO 455 Land Tenure and Cadastral Systems

**18-Geom-A7 Geospatial Information Systems**

ENGO 351 Introduction to Geospatial Information Systems

**18-Geom-B1 Digital Terrain Modelling**

ENGO 573 Digital Terrain Modelling

**18-Geom-B2 Satellite Navigation**

ENGO 465 Satellite Positioning

**18-Geom-B3 Networks and Precise Engineering Surveys**

ENGO 419 Geomatics Networks

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ENGO 567 High-Precision Surveys

**18-Geom-B4 Hydrography**

ENGO 545 Hydrographic Surveying

**18-Geom-B5 Survey Law**

ENGO 579 Survey Law and Practice

**18-Geom-B6 Land Use Planning & Environmental Management**

ENGO 581 Land Use Planning

*Updated December 2020*