Bachelor of Science in Geomatics: Developer Concentration
Recommended Course Sequence & Prerequisites Flowchart

See your advisor for selection of GER courses

Math Placement Test OR MATH A105

English Placement Test is Required or fulfill Prerequisites

Placement Test is Required or fulfill Prerequisites

Bachelor of Science in Geomatics: Developer Concentration

Recommended Course Sequence & Prerequisites Flowchart

Junior

Fall

Fall 18-19 credits

CSCE A360 (3)
Database Systems

GEO A364 (3)
Spatial Data Adjustments I

GEO A359 (3)
Geodesy and Map Projections

Fall

Spring

BA/JUST A241 (3)
Business Law I

GEO A466 (3)
Spatial Analysis

GEO A458 (3)
Spatial Data Management

Spring

Spring 18 credits

GEO A357 (3)
Photogrammetry

GEO A460 (3)
Geomatics Capstone Project

GEO A450 (3)
Economic Analysis and Operations

GEO A467 (3)
High Density Surveying

Spring

Spring 15 credits

PAHL A305 (3)
Prof Ethics

BA A300 (3)
Organizational Theory

ESM A450 (3)
Economic Analysis and Operations

GEO A400 (3)
Point Cloud Analysis

GEO A420 (3)
Point Cloud Analysis

GEO A410 (3)
High Density Surveying

MATH A253 (4) OR MATH A314 (3) OR STAT A308 (3)

Natural Science GER (3-4)

Hum GER (3)

Fine Arts GER (3)

AKNT GER (3)

MATH A253 (4)
Calculus II

MATH A350 (3)
Calculus III

MATH A252 (4)
Calculus II

MATH A251 (4)
Calculus I

MATH A350 (3)
Calculus III

Spring

Spring 19-20 credits

CSCE A222 (3)
Object-oriented programming I

GEO A246 (3)
GEO Comp II

Natural Science GER (3-4)

Fall

Fall 15-16 credits

CSCE A201 (4)
Computer programming I

GIS A101 & A1101 (3)
Intro to GIS

Fall

Spring

Fall 15-16 credits

GEO A156 (3)
GEO Comp I

GEO A156 (3)
Fund. of Surveying For FALL 2019

GEO A156 (3)
Fund. of Surveying For FALL 2019

MATH A151 or 152 or 155 or 221 (3-4)

WRTG 212 (3)
Technical Writing

WRTG 111 (3)

COMM GER (3)

SS GER (3)

SS GER (3)

SS GER (3)

SS GER (3)

SS GER (3)

Required for the degree, of which 42 must be upper division.

131-135 Total Credits Required for the degree, of which 42 must be upper division.

Fall

Spring 2020 - must register for lecture and lab

Required Course

Required Gen. Ed. Course

Required for Developer Concentration Only

Required for both Developer and Geospatial Concentrations

Fall

Spring

Fall

Spring

Spring

Find more information on the web at https://www.uaa.alaska.edu/academics/college-of-engineering/

2019/2020

V. 7/17/2019

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