Bachelor of Science in Geomatics: Geographic Information Systems (GIS) Concentration

Recommended Course Sequence & Prerequisites Flowchart

High School or Equivalent

See your advisor for selection of GER courses

Math Placement Test OR MATH A105

English Placement Test is Required or fulfill Prerequisites

Fall 15-16 credits

GEO A146 (3) GEO Comp I

*MATH A151 OR 152 OR 155 OR 221 (3-4)

WRTG 111 (3)

Spring 15 credits

MATH A152 (3) Trigonometry

GIS A101 & GIS A101L (3) Intro to GIS

WRTG A212 (3) Technical Writing

Freshman

Fall 17-18 credits

BA/JUST A241 (3) Business Law I

MATH A251 (4) Calculus I

COMM GER (3)

Spring 17 credits

MATH A252 (4) Calculus II

GEO A246 (3) GEO Comp II

SS GER (3)

Sophomore

Fall 19-20 credits

GEO A364 (3) Spatial Data Adjustments I

GEO A359 (3) Geodesy and Map Projections

GIS A301 (3) Spatial Data Structures

Natural Science GER (3-4)

Spring 15 credits

GEO Elective (3)

PHIL A305 (3) Prof Ethics

GEO A466 (3) Spatial Analysis

Fine Arts GER (3)

Junior

Fall 15 credits

GEO Elective (3)

GEO A466 (3) GEO Positioning (FOR FALL 2019)

GEO A458 (3) Spatial Data Management

Spring 15 credits

GEO A460 (3) Geomatics Capstone Project

GEO A440 (3) High Density Surveying

GEO Elective (3)

AKNT GER (3)

Required Course

Required Gen. Ed. Course

Required for both Developer and Geospatial Concentrations

Senior

128-131 Total Credits Required for the degree, of which 42 must be upper division.

ESM A450 (3) Economic Analysis and Operations

BA A300 (3) Organizational Theory

GEO A420 (3) Point Cloud Analysis

Recommended

Concurrent enrollment

Prerequisite

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

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