English Placement Test is Required or fulfill Prerequisites

Math Placement Test OR MATH A105

WRTG 111 (3)

SS GER (3)

See your advisor for selection of GER courses

Fall 16 credits

GEO A146 (3)
GEO Comp I

GEO A156 (3)
Fund. of Surveying

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

WRTG 212 (3)
Technical Writing

COMM GER (3)

Fall 15 credits

CSCE A201 (4)
Computer programming I

MATH A152 (3)
Trigonometry

GIS A101 (3)
Intro to GIS

STAT A253 (4)
Applied Statistics for the Sciences

Natural Science Elective (3-4)

Fall 15 credits

CSCE A222 (3)
Object-oriented programming I

MATH A221 (3)
or A251 (4)

GIS A201 (3)
Intermediate GIS

GIS A267 (3)
Boundary Law I

Natural Science Elective (4)

Fall 16 credits

CSCE A360 (3)
Database Systems

GEO A364 (3)
Spatial Data Adjustments I

GEO A359 (3)
Geodesy and Map Projections

GEO A301 (3)
Spatial Data Structures

GEO A460 (3)
Geomatics Capstone Project

Hum GER (3)

GEO A466 (3)
Spatial Analysis

GEO A357 (3)
Photogrammetry

Fine Arts GER (3)

Spring 15 credits

BA/JUST A241 (3)
Business Law I

GIS A466 (3)
Spatial Analysis

GIS A458 (3)
Spatial Data Management

GIS A467 (3)
Image Analysis

GEO A410 (3)
High Density Surveying

Natural Science Elective (4)

Fall 15 credits

GEO A460 (3)
Geomatics Capstone Project

GIS A50 (3)
Economic Analysis and Operations

PHIL A305 (3)
Prof Ethics

BA A300 (3)
Organizational Theory

GEO A420 (3)
Point Cloud Analysis

Required Course

Required Gen. Ed. Course

Required for Developer Concentration Only

Required for both Developer and Geospatial Concentrations

123-124 Total Credits Required for the degree, of which 42 must be upper division.

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

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