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

**2016/2017**

### High School or Equivalent

#### Fall
- 16 credits
  - GEO A146 (3) GEO Comp I
  - GEO A156 (3) Fund of Surveying
  - SS GER (3)

#### Freshman

#### Fall
- 16 credits
  - CSCE A201 (4) Computer Programming I
  - GIS A101 (3) Intro to GIS

#### Spring
- 15 credits
  - SS GER (3)
  - MATH A152 (3) Trigonometry
  - ENGL 111 (3)

### Sophomore

#### Fall
- 15-16 credits
  - CSCE A360 (3) Database Systems
  - GEO A221 (3) or A251 (4)

#### Spring
- 16 credits
  - CSCE A222 (3) Object-oriented programming I
  - GEO A246 (3) GEO Comp II
  - GIS A201 (3) Intermediate GIS

### Junior

#### Fall
- 15 credits
  - GEO A265 (3) Spatial Data Adjustments I
  - GEO A359 (3) Geodesy and Map Projections
  - BA/JUST A241 (3) Business Law I

#### Spring
- 15 credits
  - Hum GER (3)
  - Fine Arts GER (3)
  - GIS A466 (3) Spatial Analysis
  - GIS A467 (3) High Density Surveying

### Senior

#### Fall
- 16 credits
  - Natural Science Elective (4)
  - GEO A466 (3) Geo Positioning

#### Spring
- 15 credits
  - ESM A450 (3) Economic Analysis and Operations
  - GEO A460 (3) Geomatics Capstone Project
  - GEO A410 (3) Point Cloud Analysis

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

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**Required Courses**
- Math Placement Test OR MATH A105
- English Placement Test
- Required for both Developer and Geospatial Concentrations

**Required for Developer Concentration Only**
- Required Gen. Ed. Course
- GEO A460 (3) Geomatics Capstone Project
- PHIL A305 (3) Prof Ethics
- BA A300 (3) Organizational Theory

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Find more information on the web at [http://www.uaa.alaska.edu/geomatics](http://www.uaa.alaska.edu/geomatics)

V. 2016-03-23