

# Associate of Applied Science in Geomatics

The Associate of Applied Science (AAS) in Geomatics prepares students for technician-level employment as land survey or mapping technicians. Those working as survey technicians frequently work outdoors, travel to various job locations, and enjoy an independent lifestyle. Mapping technicians work with the latest cartographic techniques and equipment and easily transfer skills learned in geomatics courses to other disciplines.

The program is based on the curriculum used in the Bachelor of Science (BS) in Geomatics and transfers credit for students interested in pursuing professional licensing as registered land surveyors.

## Admission Requirements

- Complete the Admission Requirements for Associate Degree (<http://catalog.uaa.alaska.edu/academicpoliciesprocesses/admissions/undergraduate/ees> (<http://catalog.uaa.alaska.edu/academicpoliciesprocesses/admissions/undergraduate/>).

## Graduation Requirements

- Complete the General University Requirements for Associate of Applied Science Degrees (<http://catalog.uaa.alaska.edu/undergraduateprograms/aasrequirements/>).
- Complete the General Education Requirements for Associate of Applied Science Degrees (<http://catalog.uaa.alaska.edu/undergraduateprograms/aasrequirements/generaleducationrequirements/>).
  - For the Quantitative Skills requirement, choose (MATH A151 and MATH A152) or MATH A155.
- Complete the following major requirements with a minimum grade of C:

Code	Title	Credits
GEO A146	Geomatics Computations	3
GEO A156 & A156L	Geospatial Measurement I and Geospatial Measurement I Laboratory	3
GEO A256 & A256L	Engineering Surveying and Engineering Surveying Laboratory	3
GEO A266 & A266L	Geospatial Measurement II and Geospatial Measurement II Laboratory	3
GEO A267	Boundary Law I	3
GIS A101	Introduction to Geographic Information Systems	3
GIS A201	Intermediate Geographic Information Systems	3
MATH A151 & MATH A152	College Algebra for Calculus and Trigonometry	5-7

or MATH A155      Precalculus

Complete 7 to 8 credits of natural sciences, including at least one laboratory: 7-8

ASTR A103 & A103L	Solar System Astronomy and Solar System Astronomy Laboratory
BIOL A102 & BIOL A103	Introductory Biology and Introductory Biology Laboratory
BIOL A178 & BIOL A179	Introduction to Oceanography and Introduction to Oceanography Laboratory
or GEOL A178 & GEOL A179	Introduction to Oceanography and Introduction to Oceanography Laboratory
CHEM A105 & A105L	General Chemistry I and General Chemistry I Laboratory
ENVI A211 & A211L	Environmental Science: Systems and Processes and Environmental Science: Systems and Processes Laboratory
GEOG A111	Earth Systems: Elements of Physical Geography
GEOL A111 & A111L	Planet Earth and Planet Earth Laboratory
GEOL A115 & A115L	Dangerous Earth and Dangerous Earth Laboratory
PHYS A123 & A123L	College Physics I and College Physics I Laboratory
or PHYS A211 & A211L	General Physics I and General Physics I Laboratory
PHYS A124 & A124L	College Physics II and College Physics II Laboratory
or PHYS A212 & A212L	General Physics II and General Physics II Laboratory
<b>Total</b>	<b>33-36</b>

**A minimum of 60 credits is required for the degree.**