

# SURVEYING & GEOMATICS

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## Degree Requirements

The Surveying and Geomatics program is designed to meet entry-level field and office skills in a variety of land surveying and geomatics occupations. Training will utilize precision electronic surveying instruments, including Global Positioning System equipment and sophisticated computerized drafting, mapping, design, and analysis software.

An Associate in Applied Science degree will be awarded upon successful completion of the course requirements. All core and general education list requirements must be met, with any additional credits to be selected as electives. Students are encouraged to complete basic skills at the beginning of their education. Refer to the Degree & Certificate Requirements Section of the Clark College Catalog to identify the courses needed to satisfy the General Education Requirements.

Full-time students seeking an Associate in Applied Science degree typically complete this program in a minimum of six quarters, if basic skills and prerequisites are complete. Students interested in pursuing a baccalaureate degree in a Surveying or GIS field, a formal articulation agreement between Clark College and the Oregon Institute of Technology in Klamath Falls, Oregon is in place. Please consult with an advisor for additional requirements regarding this specific educational path.

## Student Preparation

It is recommended that students prepare for entrance into the program by emphasizing mathematics and science in high school. Two years of algebra and one year each of geometry, trigonometry, and physics are desirable prerequisites.

## Career Opportunities

Completion of this program prepares students for work as Surveying Technicians and can lead to a career as a Professional Land Surveyor. The employment forecast for graduates in this field are exceptional. As increasing number of licensed surveyors across the nation retire, a personnel shortage has been created within this profession.

- Surveying Geomatics Technician - Boundary (CP)(Plan Code: SUTBOC45) (<https://catalog.clark.edu/academic-plans/surveying-geomatics/survey-geomatics-technician-boundary-cp/>)
- Surveying Geomatics Technician - GIS (CP)(Plan Code: SUTSGC45) (<https://catalog.clark.edu/academic-plans/surveying-geomatics/survey-geomatics-technician-gis-cp/>)
- Surveying/Geomatics (AAS)(Plan Code: SUTSGAPT) (<https://catalog.clark.edu/academic-plans/surveying-geomatics/surveying-geomatics-aas/>)