



College to Career Connection

Land Surveying

What is Land Surveying?

Surveyors measure the earth's surface to determine the shape, contour, location, and dimension of land and land features. Information is used for making maps and charts, establishing boundaries and areas of construction and real estate sites, planning and subdivision of lands, and determining public land boundaries. They work with a crew which consists of helpers and instrument assistants. They utilize computer programs to design and layout, compute and analyze the position and classification of the earth's physical features. They can specialize in in land, geodetic control, engineering, or marine surveying. People working in surveying enjoy geometry, sketching, outdoors, physical movement, working with tools, and mapping. College of the Canyons offers:

[COC -Land Surveying Associate in Science](#) - will not transfer to a 4 year university

[COC- Land Surveying Certificate of Achievement](#) - will not transfer to a 4 year university

Potential Industries/Employers

- Land Surveying firms
- Bureau of land management
- Highway department
- Forest services
- Federal agencies
- Government agencies
- Construction companies
- Self-employed
- Professional, Scientific, Technical Cluster

Possible Job Titles

- Cartographers
- CAD Drafter
- Civil Engineering Technicians
- Drone Pilot
- Drafters
- Geodesist
- City Mapper

- Environmental Engineers
- Forestry Technicians
- Surveying and Mapping Technicians
- Telecommuters
- Engineering Technicians
- City Surveyor

How this Major Helps You Move Forward:

Skills Advancement

While College of the Canyons does not endorse all of these opportunities, we aim to provide access:

- [Internships](#)
- [COC Career Center](#)
- [American Society for Photogrammetry & Remote Sensing \(ASPRS\) Geospatial Intern Program](#)
- [Survey Path Student Resources](#)
- [National Geodetic Survey Webinars](#)

CSU/UC Major Preparation (BA/BS):

- [CPSLO: Landscape Architecture B.L.A.](#)
- [CPP: Land Architecture B.S.](#)
- [UCB: Landscape Architecture B.A.](#)
- [UCD: Landscape Architecture B.S.](#)
- ... and more!

Additional information can be found at:

- [What Can I do With this Major](#)
- [COC Land Surveying Department](#)
- [Assist: Student Transfer Information System](#)
- [Occupational Outlook Handbook](#)
- [ONET OnLine: Job and Career Exploration](#)
- [Linkedin Alumni Tool](#)
- [Candid Career Videos](#)

Associations

Association is a group of people who come together for a common purpose. You can find helpful information about jobs and careers.

- [National Society of Surveying & Mapping \(ACSM\)](#)
- [National Society of Professional Surveyors](#)
- [Accreditation Board for Engineering & Technology](#)
- [Environmental Career Opportunities, Inc.](#)
- [Directory of Associations](#)

This is a general information. It is not an exhaustive, comprehensive list. For specific information on majors and careers please connect with your professors and visit the counseling center at <https://www.canyons.edu/student-services/counseling> | 3/26/21