



Career Information Survey Theory

Overview

Career Title: Survey Theory

Industry/Field: Resource Technology

This program will provide you with a solid foundation in survey theory and the confidence to perform routine survey tasks. You will be prepared for an entry-level position as a member of a survey crew.

Date	February 2025 Updated
Required Education & Skills	<p>Hard Skills:</p> <ul style="list-style-type: none">• Skills in capturing, storing, analyzing, and presenting spatial or geographic data• Expertise in using GPS and GNSS technology for accurate land measurements• Ability to create detailed topographic maps and plans• Skills in operating drones for aerial surveys and data collection <p>Soft Skills:</p> <ul style="list-style-type: none">• Communication: Clear and effective verbal and non-verbal communication with clients and team members.• Ability to develop innovative solutions to complex scenarios and challenges• Adjusting to varying conditions and project scopes• Collaborating effectively with other professionals, such as architects and engineers• Ensuring accuracy in measurements and documentation
Job Market & Outlook	<p>Current Demand:</p> <p>The employment outlook for Surveyors in Canada is generally positive, with moderate growth expected. Here are some key points: The job prospects for Surveyors vary by province, with moderate prospects in Alberta, Manitoba, Ontario, and Saskatchewan.</p> <p>Projected Growth:</p> <p>The Canadian Occupational Projection System (COPS) projects that the labor market for Surveyors will remain balanced from 2024 to 2033.</p> <p>Salary Information:</p> <p>These are average national salaries, experience, and geographical location will alter your salary. This information is reflective of employees who have completed a survey technology diploma.</p> <p>These figures can fluctuate based on factors such as industry demand certifications, and regional economic conditions. Alberta's average salary tends to be higher, reflecting the provincial demands and economic conditions.</p> <p>Entry-Level: \$62,800.00</p> <p>Mid-Level: \$80,000.00</p> <p>Experienced: \$97,000.00</p>

Pros & Cons of this Career

Pros:

- Surveying offers a stable career with a consistent demand for skilled professionals.
- Surveyors work on diverse projects, from land development to infrastructure, which keeps the job interesting
- Many surveying tasks are performed outdoors, which can be appealing if you enjoy working outside
- Surveyors often work independently, allowing for a degree of autonomy in their tasks
- Surveyors play a crucial role in planning and designing infrastructure projects, making a tangible impact on society

Cons:

- Surveying can involve long hours, especially during peak construction seasons
- The job can be physically demanding, requiring walking long distances and carrying equipment
- Working outdoors means exposure to various weather conditions, which can be challenging
- Surveyors may need to travel to different sites, which can be time-consuming and tiring

This information has been compiled using publicly accessible provincial and federal data sources.

