

# Career Development Manitoba

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Qualification Recognition,  
Alternative Careers, and Training  
Options

April 2024

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## What Roles do Land Surveyors in Canada Perform?



## Land Surveyors

[NOC website](#)



### Job Duties

- Develop survey plans, methods, and procedures for conducting legal surveys
- Plan, direct, and supervise or conduct surveys to establish and mark legal boundaries of properties, parcels of lands, provincial and Canada Lands, Aboriginal land claims, well sites, mining claims, utility rights-of-way, roadways and highways
- Survey and lay out subdivisions for rural and urban development
- Determine precise locations using electronic distance measuring equipment, global positioning systems (GPS), and unmanned aerial vehicles (UAV)/drones
- Analyze, manage, and display data using geographic information systems (GIS) and computer-aided design and drafting (CAD)
- Record all measurements and other information obtained during survey activities
- Prepare or supervise the preparation and compilation of all data, plans, charts, records, and documents related to surveys of real property boundaries
- Certify and assume liability for surveys made to establish real property boundaries
- Advise, provide consultation, and testify as an expert witness on matters related to legal surveys
- May supervise other land surveyors, and land survey technologists and technicians.

## Land Surveyors

[NOC website](#)



### **Employment Requirements**

- A bachelor's degree in geomatics engineering or survey engineering is usually required.
- A college diploma in survey science or geomatics technology with additional academic credits and successful completion of equivalent examinations set by a regional board of examiners for land surveyors is required.
- A one- to three-year articling period is required.
- Successful completion of professional land surveyor examinations is required.
- A federal or provincial land surveyor's licence is required.

## Association of Manitoba Land Surveyors (AMSL) Process

Land Surveyors registered outside of Canada wishing to practice land surveying in Manitoba are required to complete the following steps:

### **1) Certificate of Completion (C of C)**

- Obtain your Certificate of Completion (C of C) from the Canadian Board of Examiners for Professional Surveyors (CPEBS).

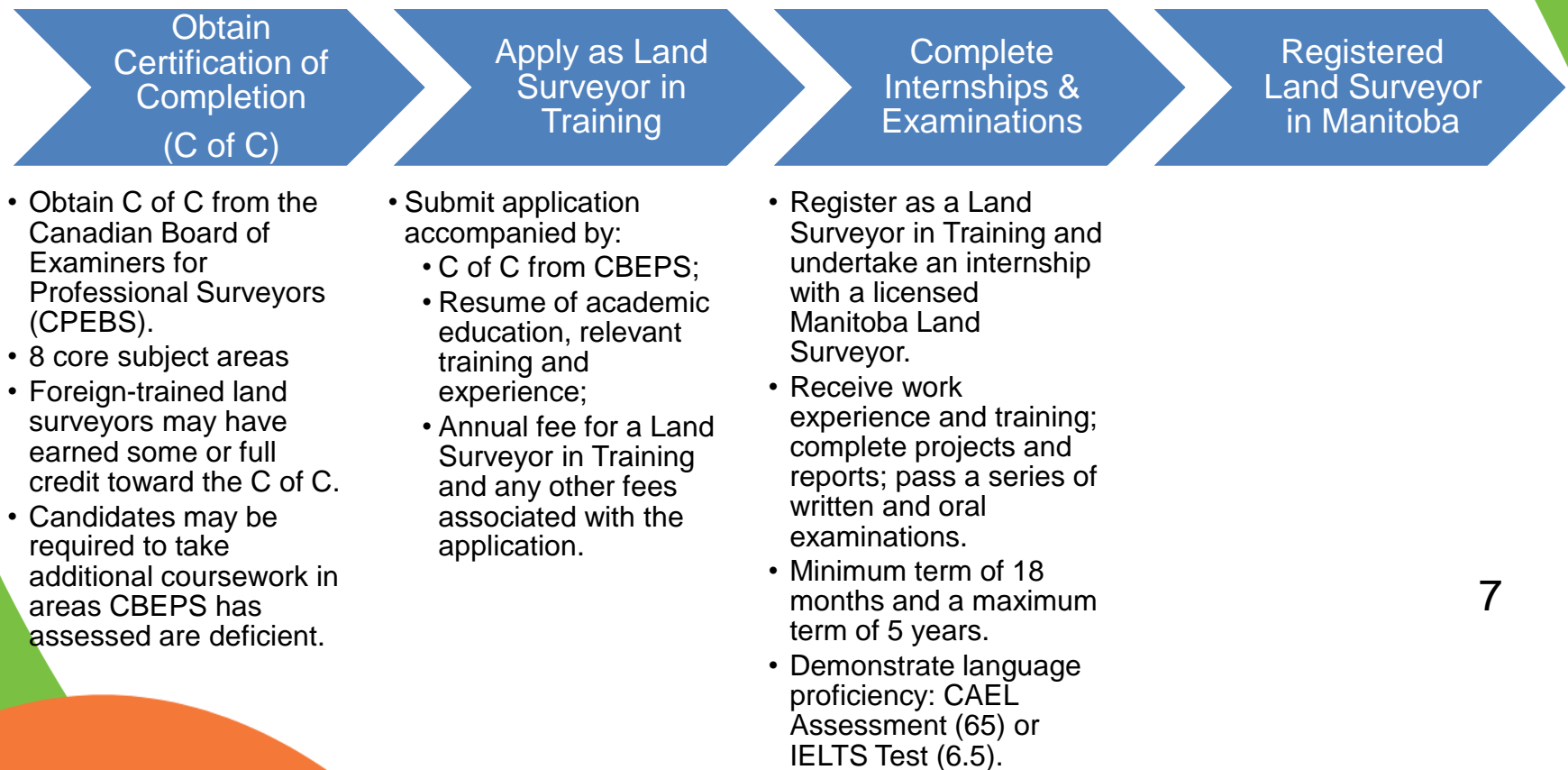
### **2) Land Surveyor in Training**

- Apply to the AMSLS to become a Land Surveyor in Training.

### **3) Internship and Examinations**

- Complete the AMSLS internship process and pass the professional examinations.

## Association of Manitoba Land Surveyors (AMSL) Process



## Transcript Assessments

- The Canadian Board of Examiners for Professional Surveyors (CBEPS) establishes, assesses, and certifies the academic qualifications of individuals who apply to become land surveyors and/or geomatics professionals in Canada, except for Quebec.
- You are required to contact your institute and have them send your transcript to CBEPS. CBEPS does not accept transcripts sent from the candidate.
- Please note that it can take as much as 4 to 6 weeks to process a candidate application. CBEPS cannot accept you as a candidate until they have your application, fee, and transcript.
- For more information, visit <https://cbeps-cceag.ca/>



## Getting Stared with the AMLS Process



- This [self-assessment form](#) will assist you in determining your knowledge and skill levels in each competency.
- Online courses from various institutions are available to assist candidates in obtaining the C of C from CBEPS.
- Study resources are available from the AMLS through its library and Student Assistance Committee.

## AMLS Contacts



Association of Manitoba Land Surveyors  
Room 202-83 Garry Street  
Winnipeg, Manitoba R3C 4J9



T: 204-943-6972  
F: 204-957-7602



<https://amls.ca/>  
[amls@mymts.net](mailto:amls@mymts.net)

## Alternate Qualification Recognition Pathway

NOTE: The following qualification recognition pathway results in the *Land Survey Technician* or *Land Survey Technologist* designation. **Not the Land Surveyor designation.**

Apply to CTTAM  
(Certified  
Technicians and  
Technologists of  
Manitoba)

Academic  
Evaluation

Apply for  
Certification

- Internationally educated Land Surveyors can apply to the [Certified Technicians and Technologists Association of Manitoba](#) (CTTAM) for certification as a Land Surveyor Technologist or Land Survey Technician.
- Applications are submitted through the [Technology Registrations Canada](#) website.

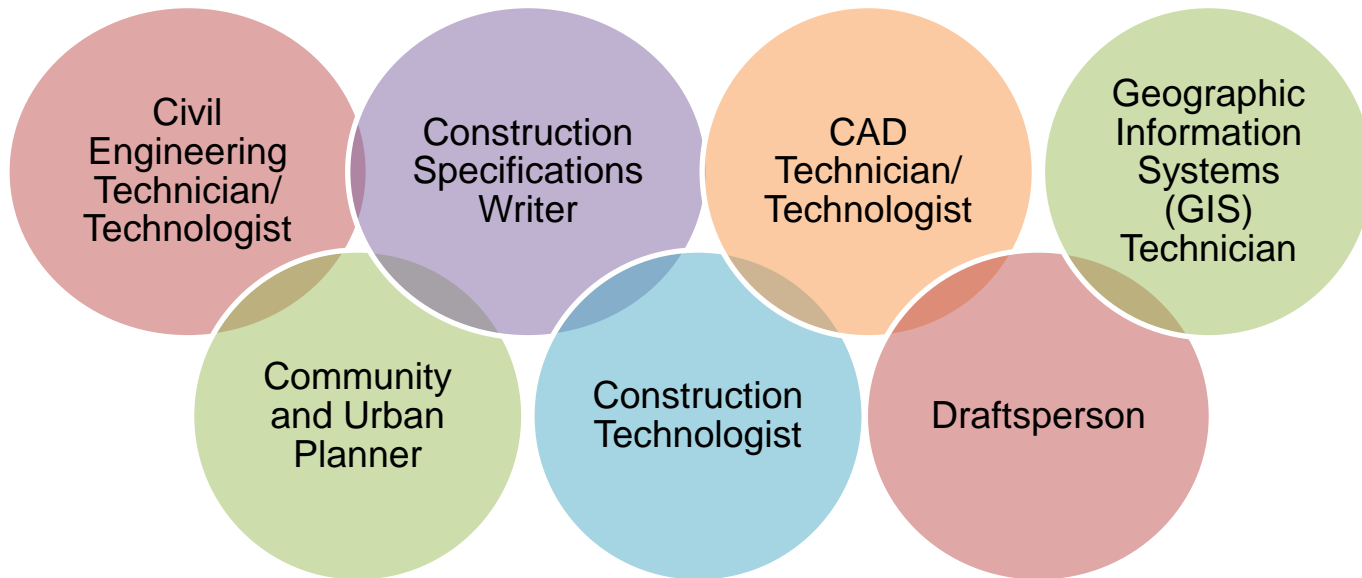
- All internationally educated professionals are required to provide CTTAM with a [World Education Services](#) (WES) ICAP (course-by-course) academic evaluation.
- International program of study must be accredited to be recognized at the Technologist level. Internationally accredited programs can be found at [www.ieagreements.org/accords/washington/signatories/](http://www.ieagreements.org/accords/washington/signatories/)

- Visit the CTTAM website for [Instructions on how to apply for certification](#)

## Alternative Careers for Land Surveyors

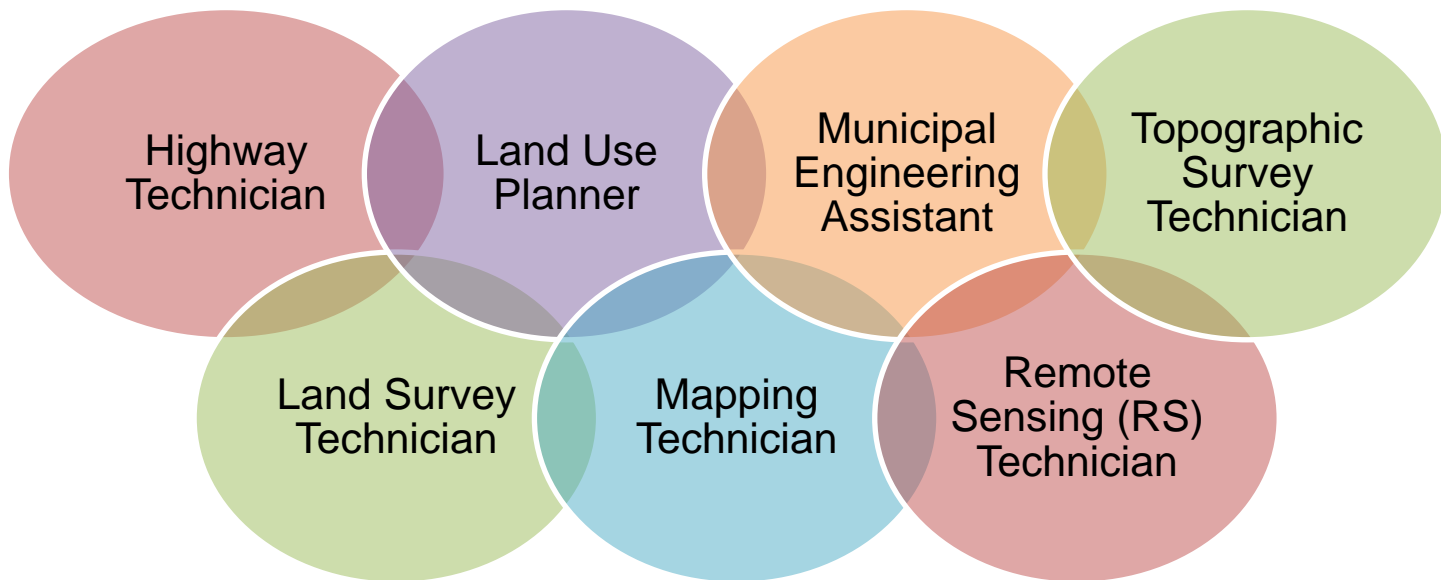


## Alternative Careers for Land Surveyors



For more information visit [NOC website](#)

## Alternative Careers for Land Surveyors



For more information visit [NOC website](#)

## Training Options for Land Surveyors

### University of Winnipeg

- [BA Geomatics](#)
- [BSc Geomatics](#)

### Assiniboine Community College

- [Geographic Information Systems \(GIS\)](#)

### Red River College Polytechnic

- [Geomatics Technology](#)
- [Civil Technician](#)
- [Construction Management](#)
- [Drafting / CAD & Design Drafting Technician](#)
- [Surveying 1](#) & [Surveying 2](#)

## Training Options for Land Surveyors

CTTAM (Certified Technicians and Technologists of Manitoba)

- [CTTAM Courses](#)
- [CTTAM Educational Partnerships](#)



## Career Planning Can Help You

**Enter the workforce**

**Plan for education**

**Deal with changing workplace demands**

**Anticipate trends or changes**

**Upgrade or maintain your skills**

**Develop skills for managing your career**

## Reflecting on Barriers and Strengths



## Setting Short and Long-term Goals

**Set SMART  
Goals**  
What? When?  
How?

**How much time  
do you have  
to complete  
each step?**

**What resources  
might you  
need?**  
Who can help?

## Career and Education Plan

Name and Client ID: Jon Doe (123456)

### Short Term Goal 1

Landscaper

### Short Term Goal 2

Land Survey Technician

### Long Term Goal

Land Surveyor

#### Achieving and Maintaining Long-Term Employment

- Maintaining long term employment and Career Management – An ongoing process:
  - Continuous learning – develop new skills or refine existing skills
  - Professional development – take courses, attend workshops, read, network, volunteer
  - Balancing work and life – reflect on values, priorities, and life circumstance
- Other: Complete Licensure process to become a Canadian Land Surveyor

#### Researching Post Secondary Training

- Research education and training options
  - Identify post-secondary institution
  - Verify admissions requirements
  - Research funding options (Employment MB, SEED Recognition Counts, Student Aid, etc.)
  - Other: Book a meeting with a counselor at SEED Winnipeg
- Date: Jan 25, 2021

#### Qualification Recognition

- Research your regulated profession or trade
  - Contact regulatory body
  - Identify necessary requirements (language level, transcript, syllabus, etc.) Research Funding Options
  - (Immigrant Access fund, Employment MB, SEED Recognition Counts, MB Student Aid, bursaries, financial institutions, etc.).
  - Other: Attend Qualifications Recognition webinar/information session at Manitoba Start
- Date: Jan 28, 2021  
Date: Jan 28, 2021  
Date: Jan 28, 2021  
Date: Feb 5, 2021  
Date: Feb 5, 2021

#### Skill Development

- Research job specific training (First Aid/CPR, forklift, security guard license, etc.)
  - Complete computer assessments sent by facilitator/coach; consider computer training
  - Consider volunteering (visit [www.volunteermanitoba.ca](http://www.volunteermanitoba.ca))
  - Language assessment at WELARC
  - Obtain Driver's license
  - Other: Identify skill training options for Land Surveyors with career coach on January 25, 2021.
- Date: Jan 25, 2021  
Date: Jan 25, 2021  
Date: Feb 5, 2021  
Date: Feb 5, 2021  
Date: Feb 8, 2021  
Date:

#### Job Search Preparation

- Complete Career Development Workshop at Manitoba Start
  - Finalize marketing materials (resume, cover letter, references)
  - Apply for Security Clearance Checks (criminal record check, child abuse registry, adult abuse registry, immunizations record)
  - Other: Discuss the QR process for Land Surveyors with career coach on January 25, 2021.
- Date: Jan 25, 2021  
Date: Jan 25, 2021  
Date: Jan 25, 2021  
Date:

# Thank you!

If you require additional information about qualification recognition, please contact your Career Coach.

If you are not currently a Manitoba Start client, register with us:

- Call front desk at 204-944-8833
- Visit in person
- Complete our online [registration form](#) to receive career development support.

Good luck with your career planning and work search!