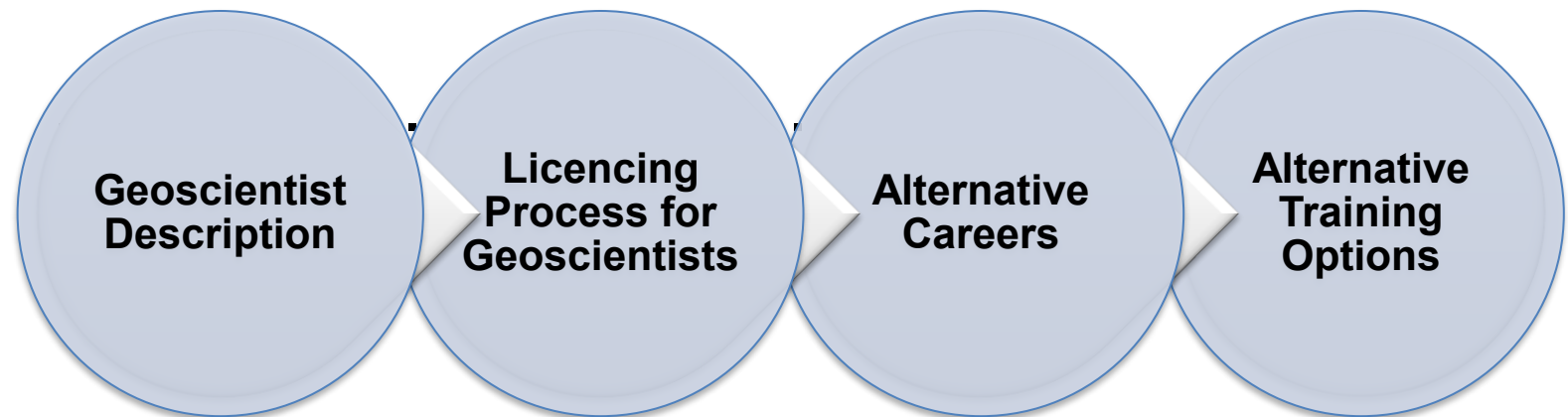


Geoscientists

Foreign Credential Recognition, Alternative Careers,
and Training Options

Career Development Manitoba



What Roles do Geoscientists in Canada Perform?



Geoscientists

[NOC website](#)



Job Duties (complete list is found on NOC code website)

- Conduct theoretical and applied research to extend knowledge of surface and subsurface features of the earth, its history and the operation of physical, chemical and biological systems that control its evolution
- Plan, direct and participate in geological, geochemical and geophysical field studies, drilling and geological testing programs
- Plan and conduct seismic, geodetic, electromagnetic, magnetic, gravimetric, radiometric, radar and other remote sensing programs
- Plan, direct and participate in analyses of geological, geochemical and geophysical survey data, well logs and other test results, maps, notes and cross sections
- Identify deposits of construction materials and determine their characteristics and suitability for use as concrete

Geoscientists

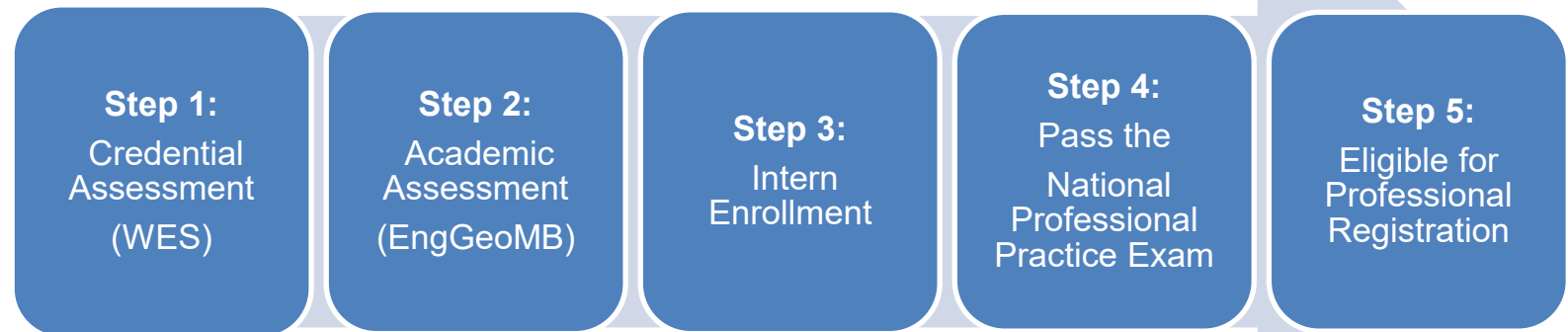
[NOC website](#)



Employment requirements

- Require a university degree in geology, geochemistry, geophysics or related
- Registration with a provincial or territorial association of professional engineers, geologists, geophysicists or geoscientists is usually required for employment is mandatory in all provinces and territories except PEI and Yukon

Getting Registered in Manitoba - Geoscientists



Language Requirements

If required, an approved English language test may be requested.
The Association accepts the following tests:


(tests are valid for 2 years)

Canadian English Language Proficiency Index Program (CELP) General Test – Minimum Combined Level Average Score: 8	International English Language Testing System (IELTS) General Test – Minimum Combined level: 7.0. IELTS One Skills Retake is also accepted	Canadian Academic English Language (CAEL) Test – Minimum Combined Score: 70
--	---	--

Career Development Manitoba

- All first-time internationally-educated geoscience applicant must order **WES – ICAP course-by-course document** and select Engineers Geoscientists MB as the recipient
- **WES** is the only accepted agency

STEP 1:
Credential Assessment




Career Development Manitoba

Can be completed in four ways:

- Pass Accreditation Exam
- Confirmatory Exams
- University-Level Post-Graduate Degree
- Work Experience Reporting

Confirmatory Program
(if the academic
qualification criteria are
not met)



Engineering and Geoscience Competency Assessment

This system is for professional registration or licensure applicants to record their progress in meeting the competency requirements for engineering or geoscience experience and have it validated and assessed.



Applicants

Applicants complete a competency self-assessment using examples drawn from work experience to demonstrate their level of achievement of each competency.



Validators

Validators review the applicant's competency self-assessment and provide validation and competence level ratings for the examples that the applicant has assigned to them. They also provide overall feedback on the applicant's readiness for professional registration or licensure.

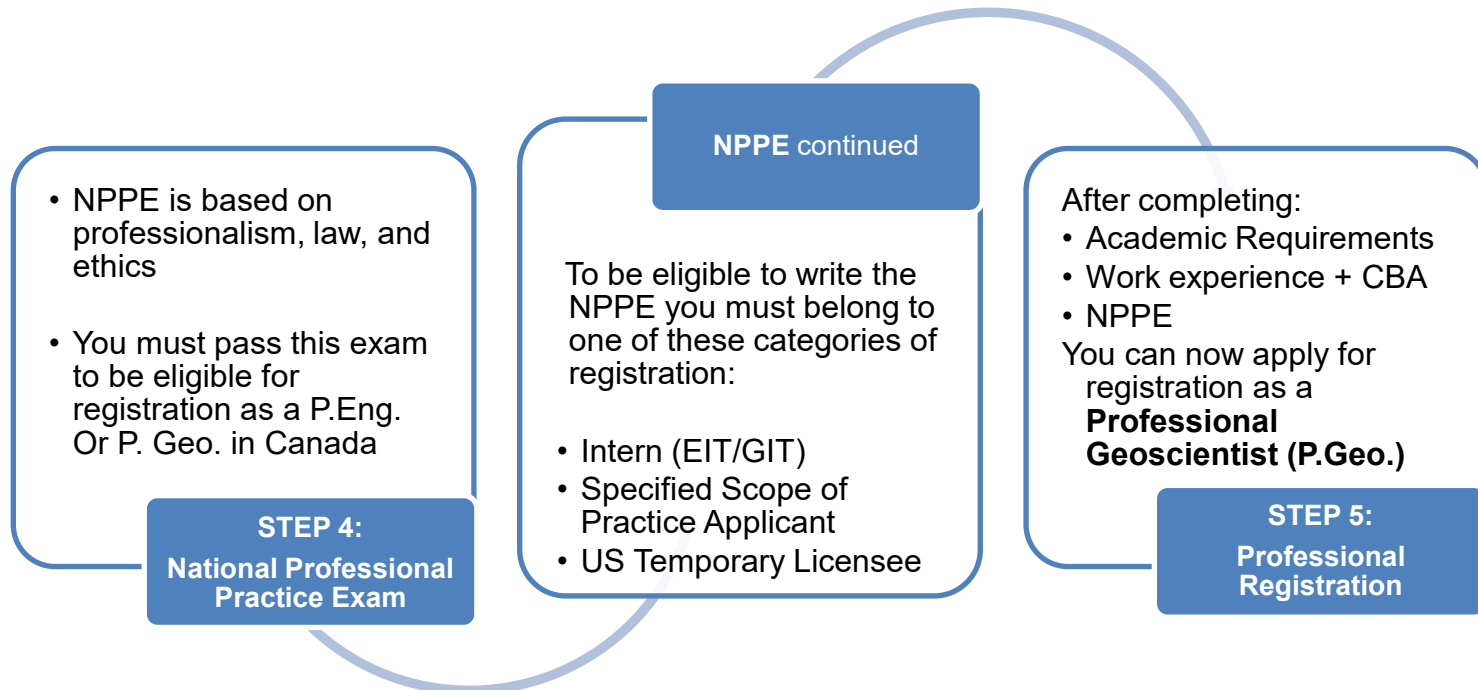


Assessors

Assessors review the applicant's competency self-assessment and validator feedback and determine for each competency whether the example provided represents sufficient evidence that it has been met at the required level. They also provide a recommendation on the applicant's readiness for professional registration or licensure.

<https://competencyassessment.ca/>

Registration Process (Continued)





Once you pass the National Professional Practice Exam, continue the licensing process. You are one step closer to becoming licensed. Work with your provincial association to complete the remaining requirements for your P. Geo or P.Eng. license

Do not use the professional titles P.Geo. or P. Eng. until you have been officially granted your professional license

Your provincial/territorial regulator (EngGeoMB) will send a decision letter with the results and will also outline the next steps for your specific application process

Professional Licensure Contacts



General Enquiries

204-474-2736

Toll-free: 1-866-227-9600

Engineers Geoscientists Manitoba

870 Pembina Highway

Winnipeg, MB. R3M 2M7

Email: info@EngGeoMB.ca



Engineers Geoscientists of Manitoba www.enggeomb.ca

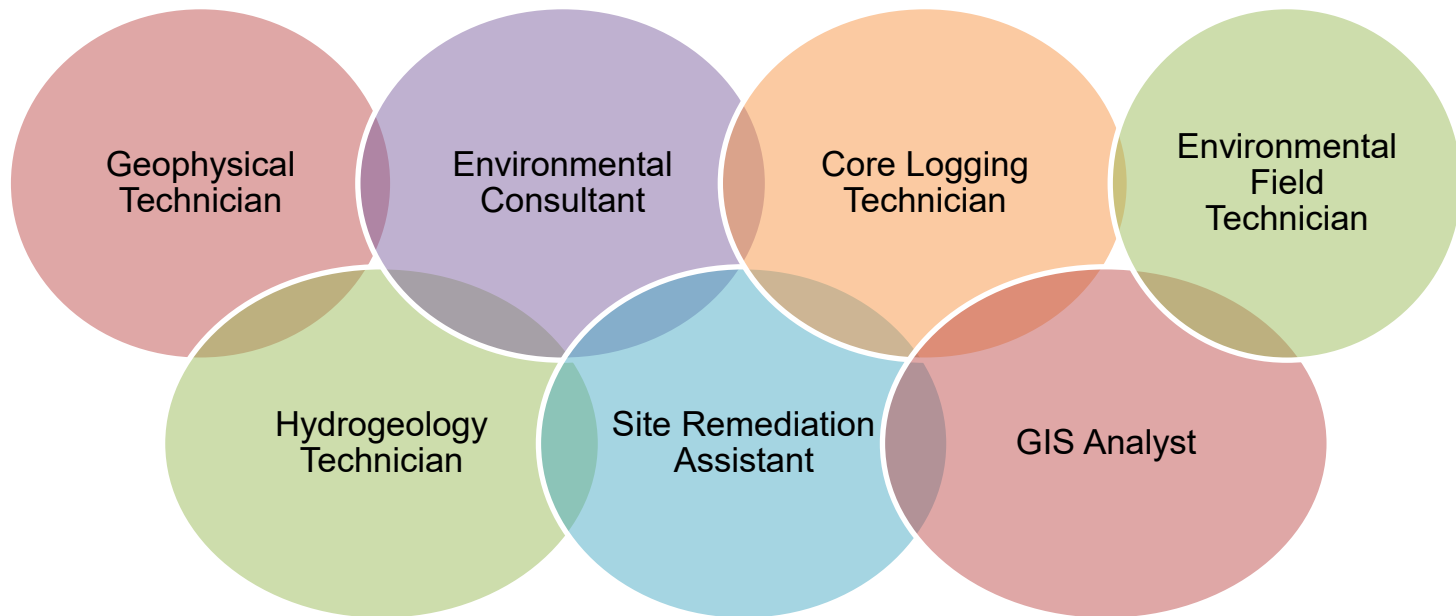
Claudia Shymko
International Registration Program Coordinator
CShymko@EngGeoMB.ca

Alternative Careers for Geoscientists

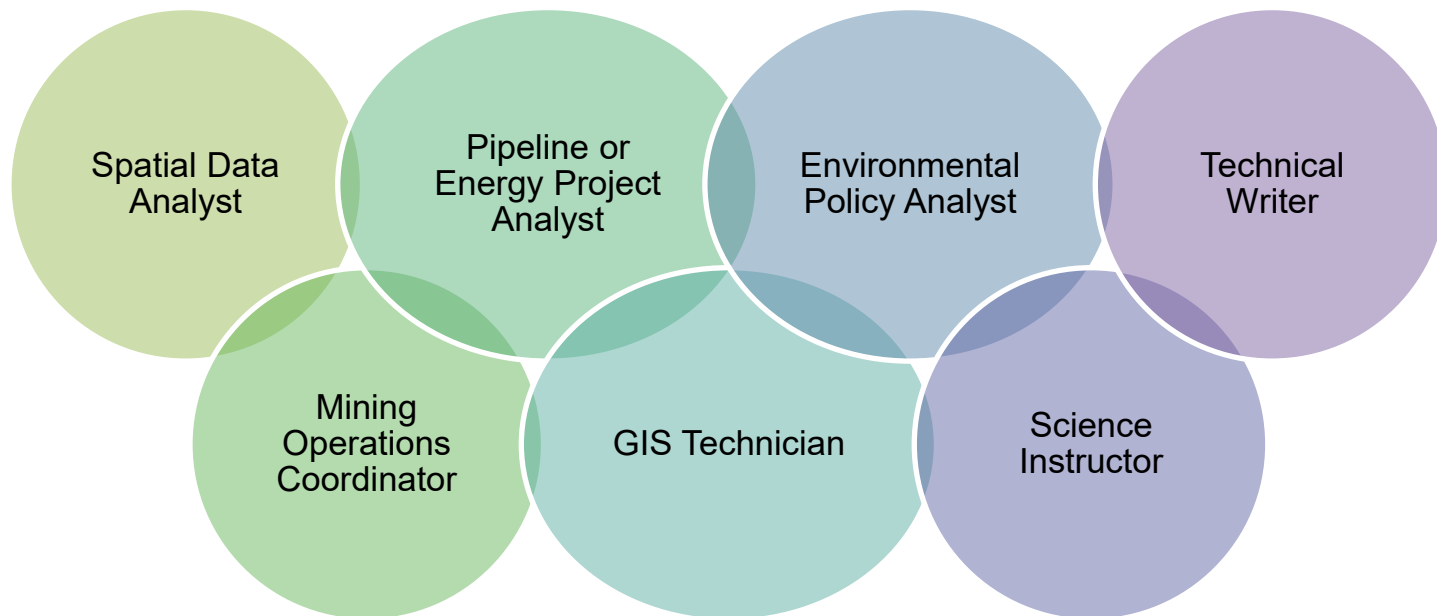


Career Development Manitoba

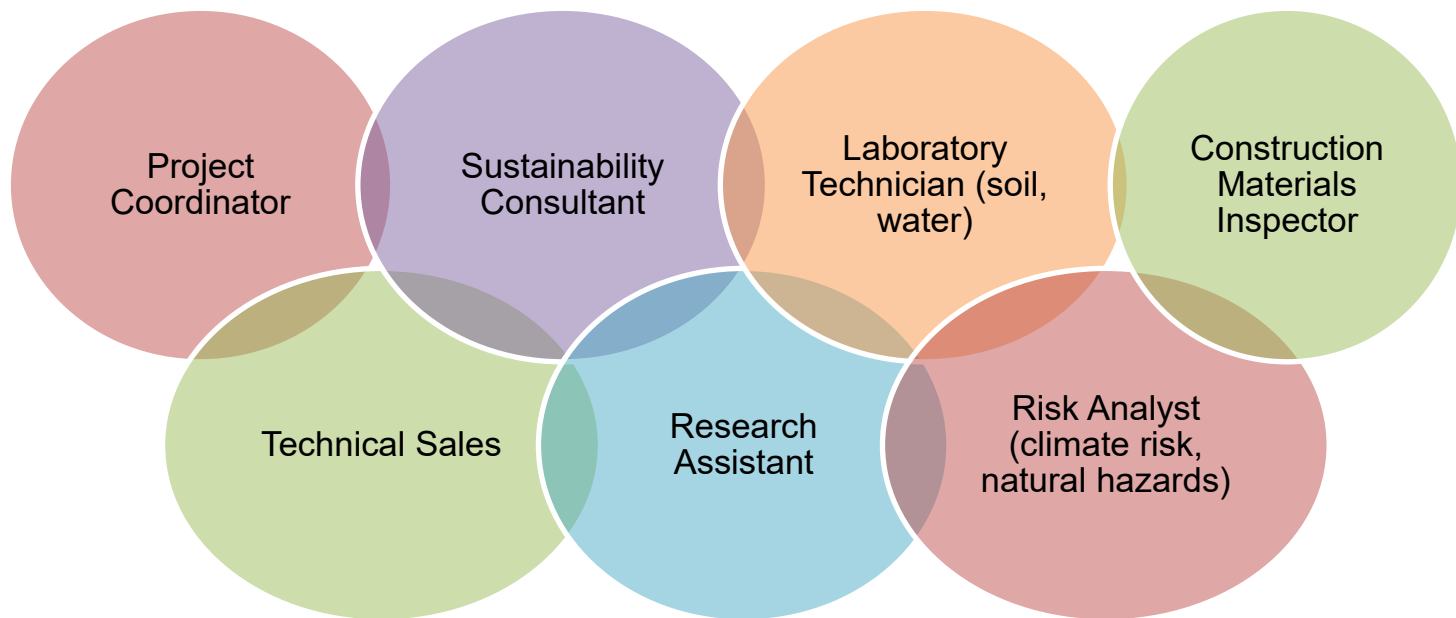
Manitoba



For more information visit [NOC website](#)



For more information visit [NOC website](#)



For more information visit [NOC website](#)

Alternative Training Options



Career Development Manitoba

University of Manitoba (Direct Geoscience-Academic Upgrading)	<ul style="list-style-type: none">• BSc in Environmental Geoscience• BSc in Geology• BSc in Geophysics
Assiniboine Community College (Alternative Pathways)	<ul style="list-style-type: none">• Sustainable Food System Advanced Diploma• GIS Advanced Diploma• Horticultural Production Certificate
University College of the North (Technical Roles)	<ul style="list-style-type: none">• Natural Resources Management Technology Diploma• Mining Readiness Program
Red River College (Alternative Pathways)	<ul style="list-style-type: none">• Geomatics Technology Diploma• Environmental Engineering Technology Diploma• GIS or Data Analysis

Career Planning Can Help You

Enter the workforce

Plan for education

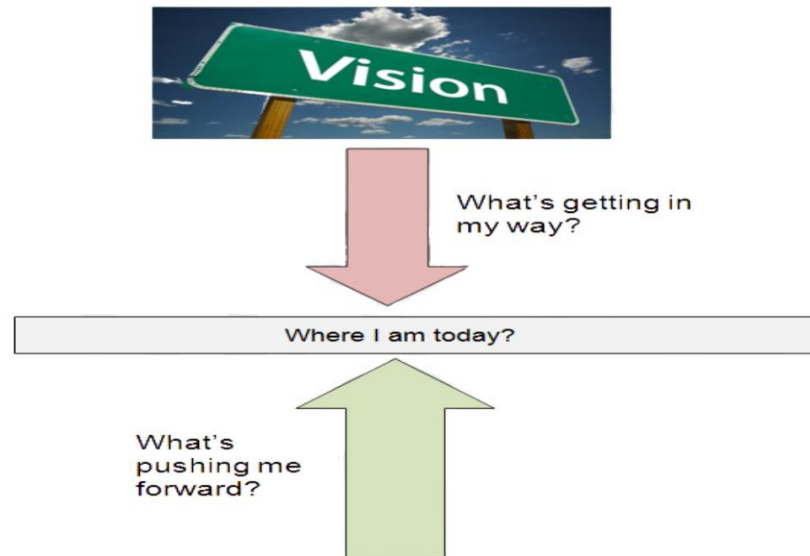
Deal with changing workplace demands

Anticipate trends or changes

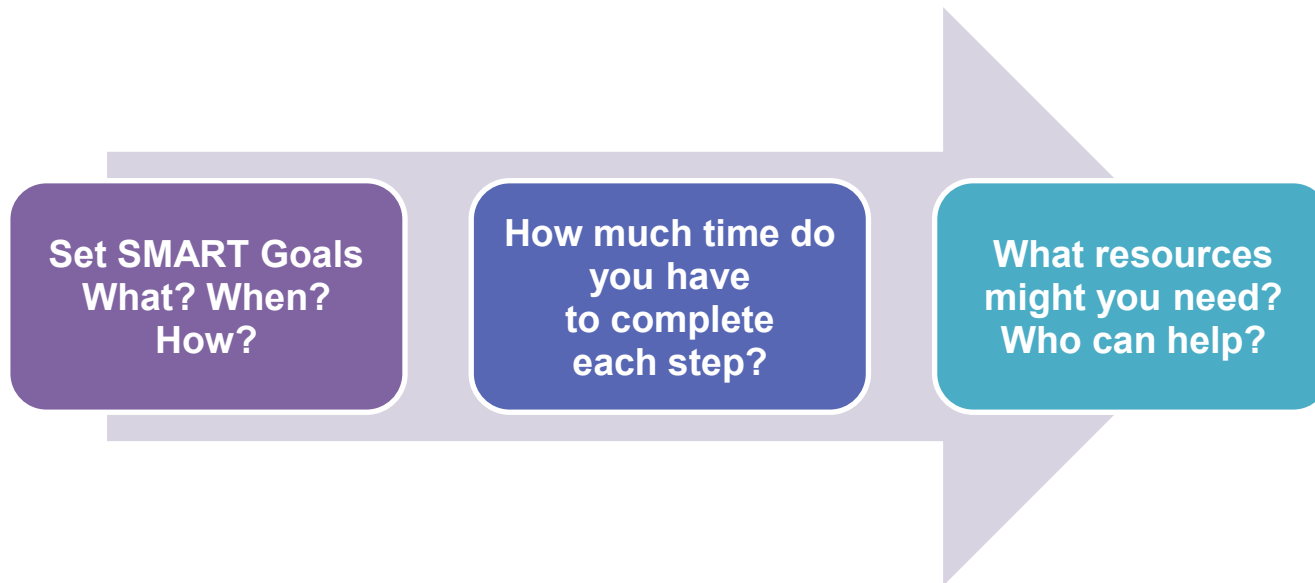
Upgrade or maintain your skills

Develop skills for managing your career

Reflecting on Barriers and Strengths



Setting Short and Long-term Goals



Career and Education Plan

Name and Client ID: Susana Howard (146189)

Short Term Goal 1

Research Assistant

Short Term Goal 2

Data Analyst (environment sector)

Long Term Goal

P. Geoscientist

Achieving and Maintaining Long-Term Employment

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

Researching Post Secondary Training

- Research education and training options Date: Jun 20, 2025
- Identify post-secondary institution Date: Aug 25, 2025
- Verify admissions requirements Date: Aug 25, 2025
- Research funding options (Employment MB, SEED Recognition Counts, Student Aid, etc.) Date: Jun 11, 2026
- Other: Start the Academic Assessment with EngGeoMB Date: Jun 15, 2025

Qualification Recognition

- Research your regulated profession or trade Date: Jun 8, 2025
- Contact regulatory body Date: Jun 12, 2026
- Identify necessary requirements (language level, transcript, syllabus, etc.) Date: Jun 10, 2025
- Research Funding Options (Immigrant Access fund, Employment MB, SEED Recognition Counts, MB Student Aid, bursaries, financial institutions, etc.). Date: Jun 10, 2025
- Other: Meet with FCR Navigator at Manitoba Start Date: Jun 10, 2025

Skill Development

- Research job specific training (First Aid/CPR, fork lift, security guard license, etc.) Date: May 9, 2025
- Complete computer assessments sent by facilitator/coach; consider computer training Date: May 9, 2025
- Consider volunteering (visit www.volunteermanitoba.ca) Date: May 9, 2025
- Language assessment at WELARC Date: May 20, 2025
- Obtain Driver's license Date: Jul 15, 1995
- Other: Attend networking events and sector conferences Date: Jun 30, 2025

Job Search Preparation

- Complete Career Development Workshop at Manitoba Start Date: May 4, 2025
- Finalize marketing materials (resume, cover letter, references) Date: May 7, 2025
- Apply for Security Clearance Checks (criminal record check, child abuse registry, adult abuse registry, immunizations record) Date: May 7, 2025
- Other: Prepare a list of employers to apply after finalizing resume and cover letter with my Career Coach Date: May 9, 2025

Career Development Manitoba



If you require additional information about Foreign Credential Recognition, please contact a Foreign Credential Recognition Navigator at fcr@manitobastart.com

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!