

Geoscientists Canada

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Presentation for CCCESD

October 29, 2021

Geoscientists Canada

Geoscientists Canada exists to serve its Members – the provincial and territorial regulators of the practice of geoscience in Canada.

Geoscientists Canada's purpose is to:

- Engage with and facilitate cooperation among its Members
- Undertake work on their behalf
- Represent them nationally and internationally, and
- Support its Members

Where is the practice of geoscience regulated in Canada?



Geoscientists Canada's Members - The Canadian Geoscience Regulators

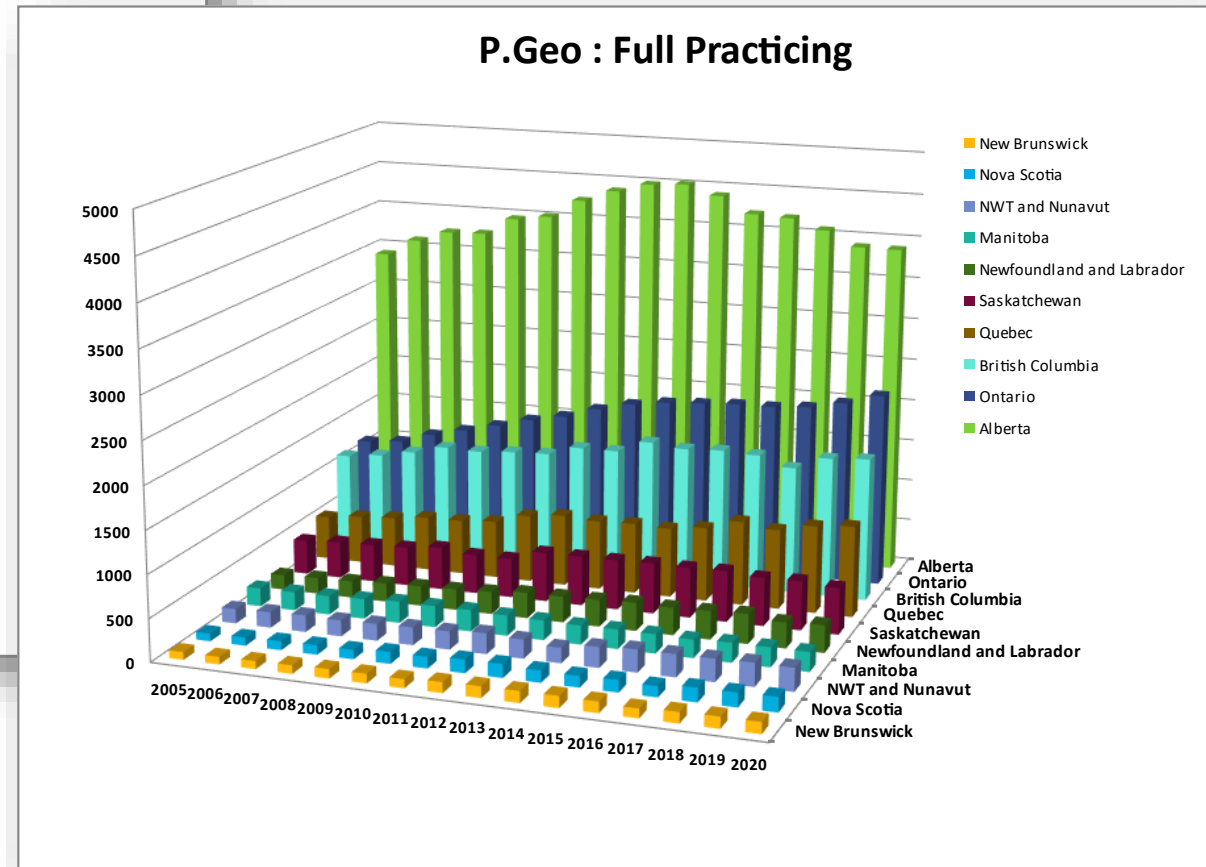
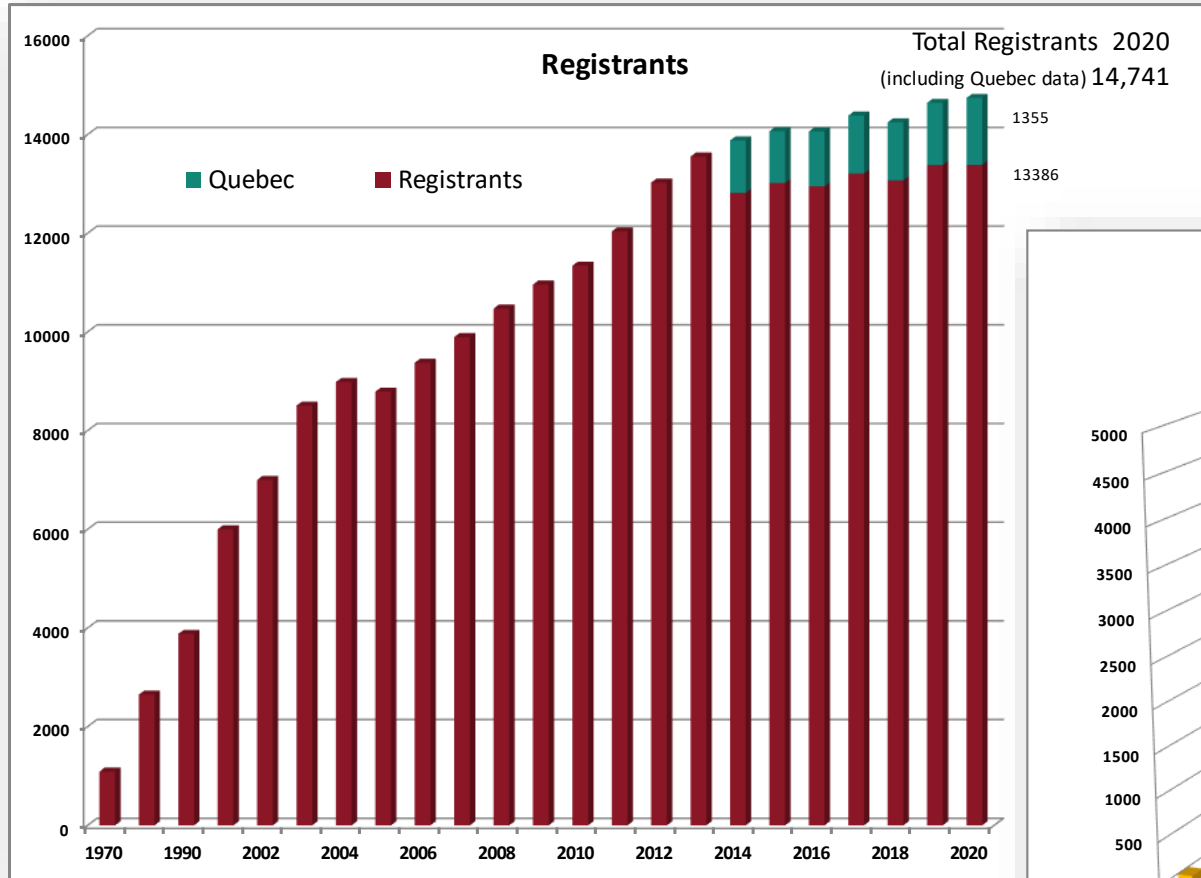


A P E G S

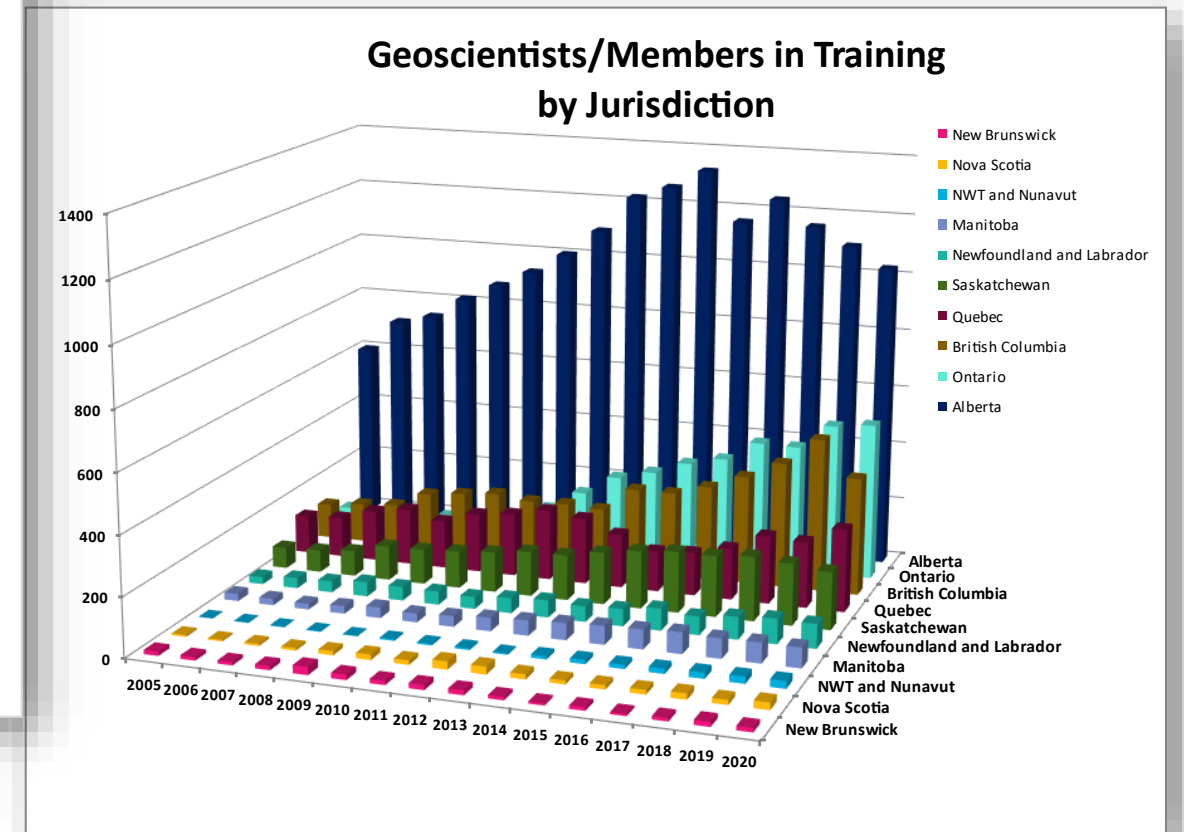
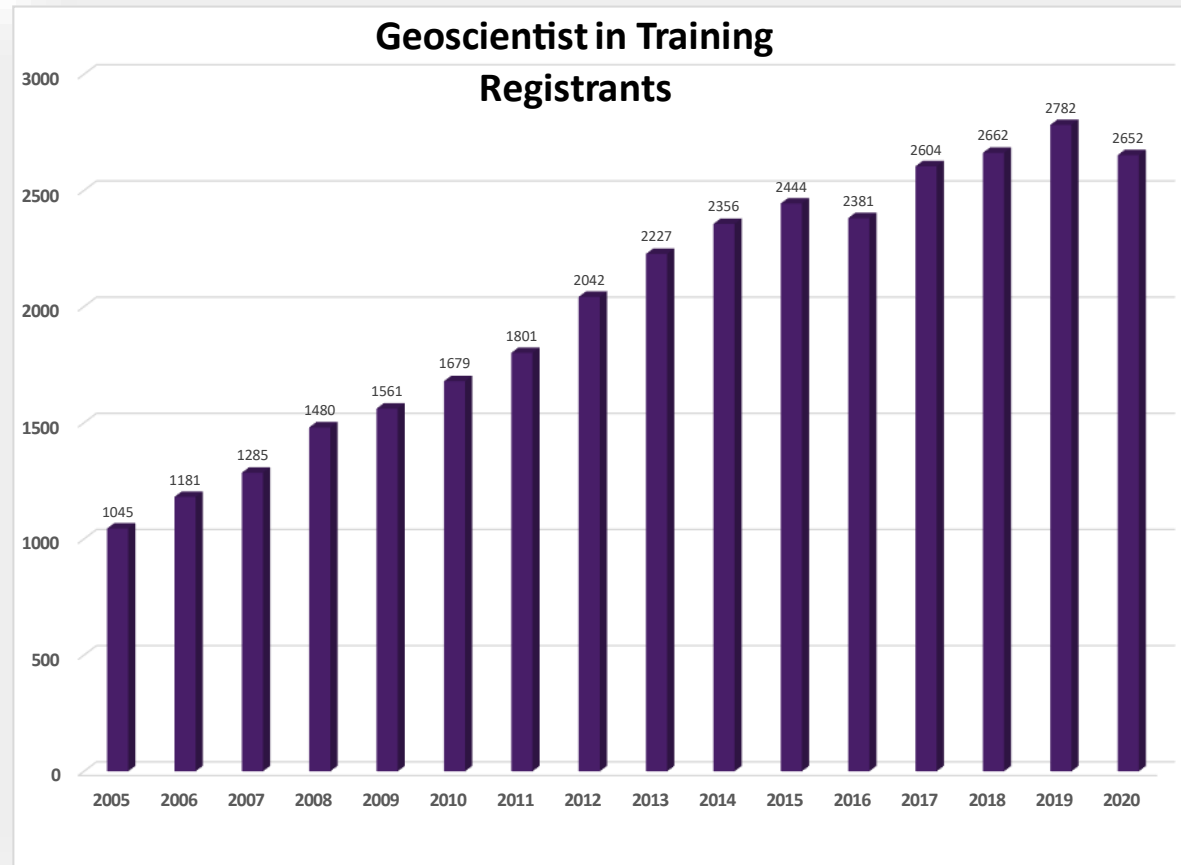
*Association of Professional Engineers
& Geoscientists of Saskatchewan*



Geoscientist Licensure in Canada



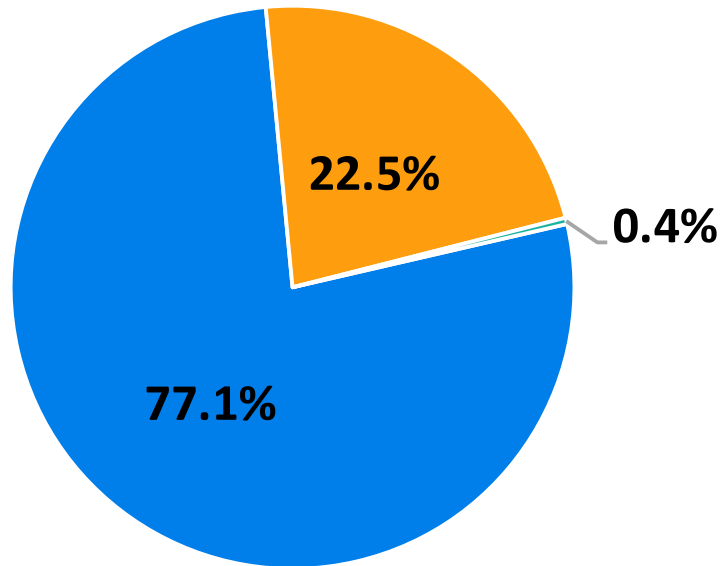
GIT/MIT Registrants in Canada



Diversity – Gender Balance

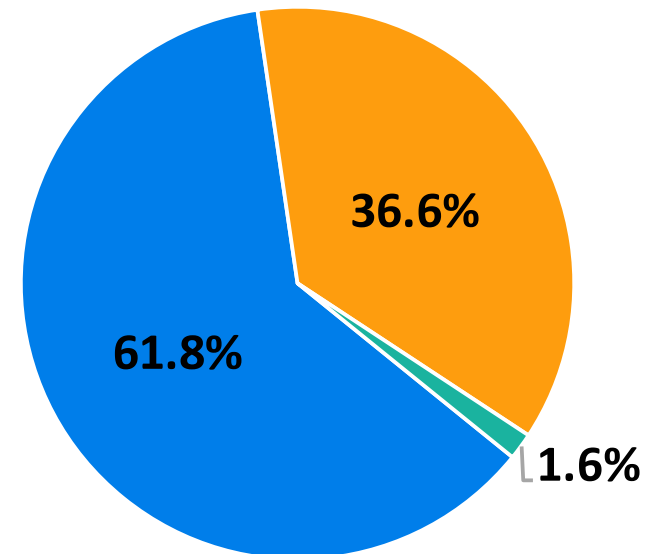
P.Geo.

■ Male ■ Female ■ Other



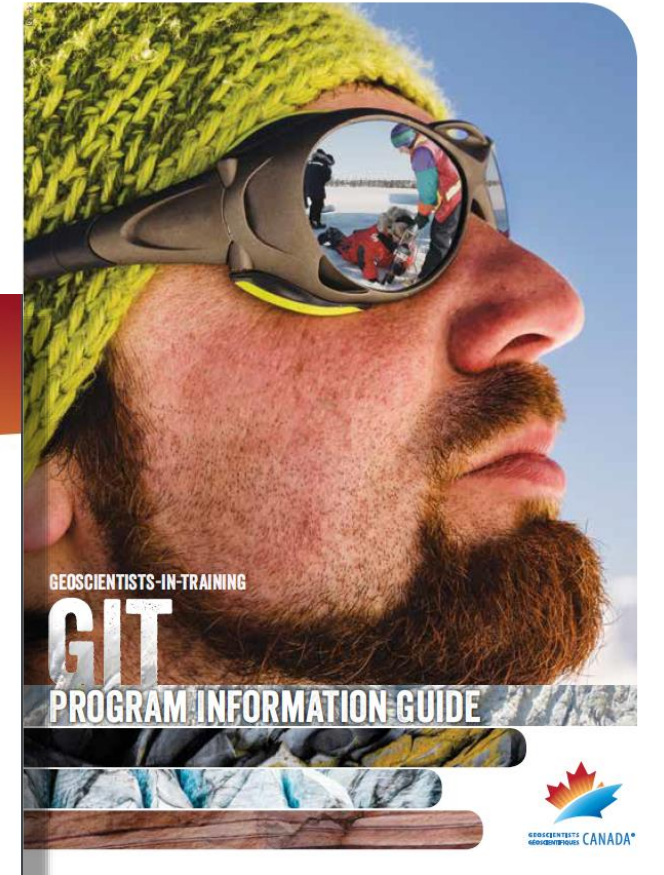
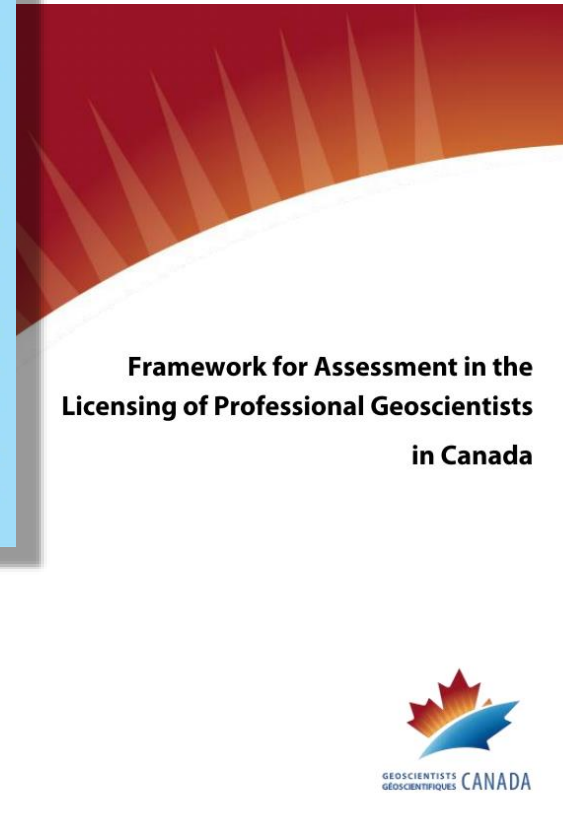
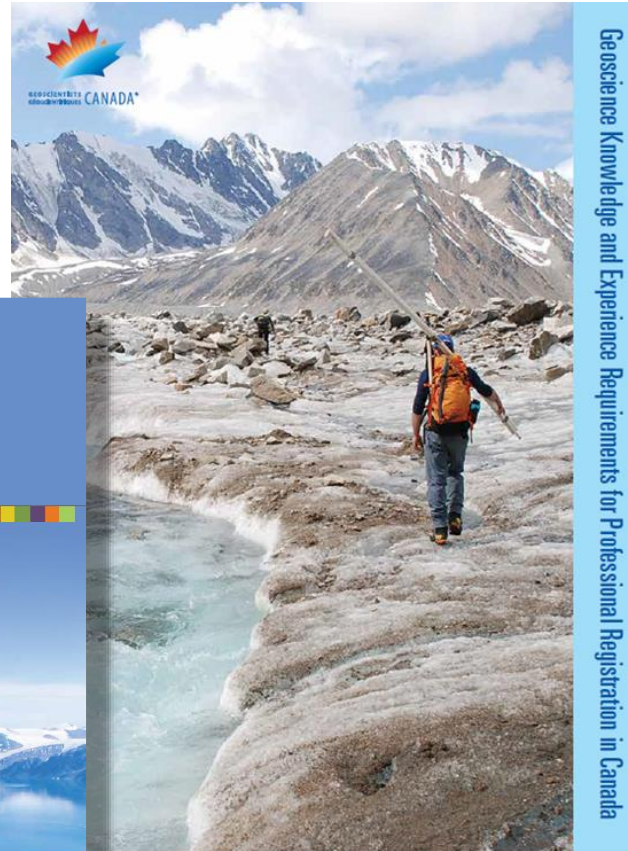
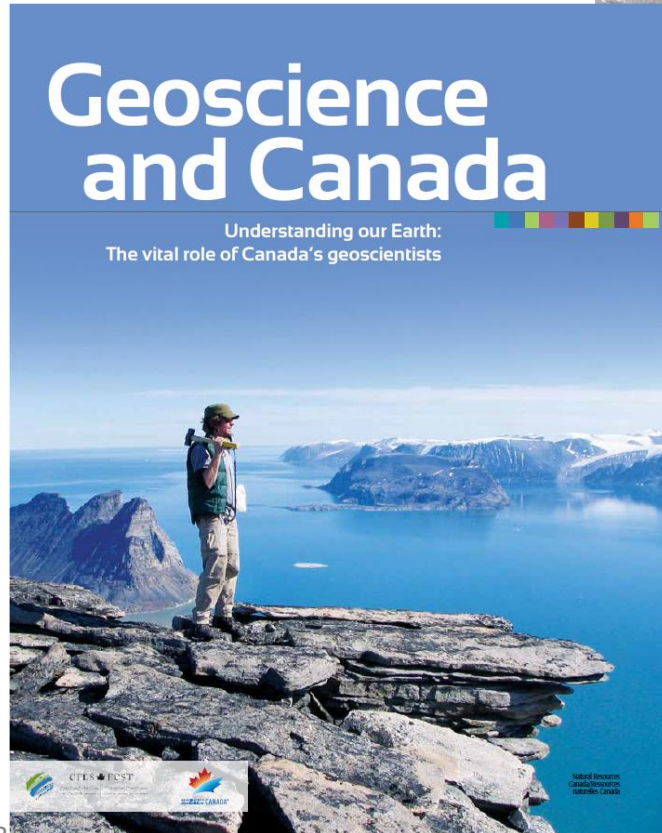
GIT/MIT

■ Male ■ Female ■ Other



Resources

geoscientistscanada.ca/resources/publications/



Resources

Geoscience in Canada

[Geoscienceincanada.ca](https://geoscienceincanada.ca)

- Licensing processes
- Licensing requirements
- Self-assessment
 - Knowledge (academic)
 - Experience (competencies)
- Licensing cost estimator
- Regulator map



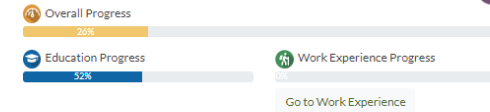
Academic Training Self-Assessment



In Canada, geoscientist academic training requirements for obtaining a PGeo. licence are based on a typical Canadian university Bachelor of Science (BSc) in geoscience. In most of Canada a geoscience degree is four years long and includes 40 one-semester (minimum 12 weeks' duration) courses or their equivalent.

Each course that you use to complete your self-assessment may only be used once if it is a one semester (minimum 12 weeks) course. A course may be used to satisfy two course requirements if it is a two semester course. Any course used for the self-assessment must have been completed successfully (you must have obtained credit for the course).

Please click the plus sign to see more information.



Your Self-Assessment Code

.....

Hide Code ☐ Show Code ☐

Log out and return to this Self-Assessment with your code.

Use your unique code to return to this Self-Assessment.

Education Background  Foundation Science  Additional Science  Foundation Geoscience  Additional Geoscience Other Geoscience/Science



Foundation Geoscience



4 Courses Required

You currently have 3 of the 4 Required Courses

Four (4) courses required. If you have more than 1 course in any of these subjects, your extra courses can be counted in a later section.

All geoscientists share common core knowledge around which the profession of geoscience is practiced. These subject areas define the common knowledge base in geoscience that applies regardless of your practice area in - geology, environmental geoscience or geophysics.

Please indicate courses completed. Click on course name for further information.

- 1 Field Techniques
- 1 Mineralogy and Petrology
- 1 Sedimentation & Stratigraphy
- 1 Structural Geology

NUMBER OF COURSES

0	1
0	1
0	1
0	1

Resources

Work Experience Competencies

Geoscience Work Experience Competencies Online Assessment

[Competencyassessment.ca](https://competencyassessment.ca)

- 29 experience competencies
- Guidance document, competencies, and rating scale available on the website
- Currently 7 of 10 regulators adopting

Coming Soon:

- Canadian-Environment Experience Competencies



COMPETENCY ASSESSMENT

Home

Login

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 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.

Resources

Short Course for Students

Newly Revised and Update 2021

Available through your local geoscience practice regulator



Your Professional Career & Public Reporting

A Short Course for Students

Date

Location

C. A. Geoscience

Add CA Logo

Course Outline

Time	Topic
9:00am – 9:30am	Introduction
9:30am – 10:30am	Section A: Background Concepts and Core Principles & Case Study 1
10:30am – 10:45am	Break (15 min)
10:45am – 11:45am	Section B: Qualified Person (QP), Qualified Reserves Evaluator (QRE), and Qualified Reserves Auditor (QRA) & Case Study 2
11:45am – 12:30pm	Lunch (45 min)
12:30pm – 1:45pm	Section C: Mining and NI 43-101 & Case Study 3
1:45pm – 2:00pm	Break (15 min)
2:00pm – 3:15pm	Section D: Oil & Gas and NI 51-101 & Case Study 4
3:15pm – 3:30pm	Final Questions and Remarks



Resources

Searchable Geoscience Practice Guidelines & Standards

Search by:

- Authoring Organisation
- Year Published/Revised
- Guideline Title
- Category/Subject



EXTRANET LOGIN

SEARCH



ABOUT ▾ THE PROFESSION ▾ BECOMING A P.GEO. ▾ PRACTICE IN CANADA ▾ PUBLICATIONS & POLICY ▾

Geoscience Practice Guidelines Catalogue

Guidelines are documents that outline general guiding principles addressing a single subject relevant to the practice of geoscience in Canada.

The following is a searchable list of guidelines developed by the provincial and territorial geoscience practice regulators in Canada, Geoscientists Canada, and other organizations that may provide additional guidance or assistance. For questions or additional information, please contact your local regulator or the appropriate guideline author.

This list will be updated annually. Please check your regulator's website for current guidance documents.

Show 20 entries

Search:

Authoring Organization	Title	Year Published	Category
Engineers and Geoscientists New Brunswick (APEGNB)	Guideline for Use of Professional Seal	2019	Authentication
Professional Engineers and Geoscientists of Newfoundland and Labrador (PEGNL)	"Selection by Ability" Guidelines for the Selection of Consulting Engineers and Geoscientists	2017	Professional Practice
Northwest Territories and Nunavut Association of Professional Engineers and Geoscientists (NAPEG)	A guideline for A Structured Program for Members-in-Training	2010	Geoscientist in Training
Engineers and Geoscientists British Columbia (EGBC)	Assessment of Groundwater at Risk of Containing Pathogens (GARP)	2019	Environmental
Association of Professional Engineers and Geoscientists of Alberta (APEGA)	Authenticating Professional Work Products	2021	Authentication

NEW – Practical Geocommunication Course – Launching January 2022

Guidance on Geocommunications:



- The science and practice of effective geoscience communication.
- Transposing geoscientific content into everyday concepts.
- Identifying and responding to distortions in the media.
- Powerful social media engagement in the geosciences.
- Indigenous Relations; Mass Media; Geo-Gamification; and more!
- \$450 retail value/individual access
 - FREE to all Geoscience Regulators' Members – GITs and Students included!

Summary

- Professional licensure currently generally holding steady
- GIT/MIT numbers have decreased slightly over the last year
- Resources for students and early career geoscientists
 - Publications – www.geoscientistscanada.ca
 - Standards and Guidelines Catalogue – www.geoscientistscanada.ca
 - Geoscience in Canada – www.geoscienceincanada.ca
 - Competency Assessment - www.competencyassessment.ca
 - Public Reporting Short Course – **Revised and Updated** – Check with local geoscience regulator for presentation
 - Coming Soon – Practical Geocommunication Short Course

Thank you.
Questions?

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geoscienceincanada.ca

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