



GEOSCIENTISTS

Geologists, Geophysicists and Geochemists conduct programs of exploration and research to improve our knowledge of the structure, composition, and processes of the earth. Petroleum and mining companies, consulting firms, government, and educational institutions employ them, or they may be self-employed.

EDUCATIONAL REQUIREMENTS

At the moment there are no accredited Geoscience degrees. To be eligible for an assessment of academic credentials, an applicant must have completed an appropriate post-secondary program, typically a Bachelor's degree, of at least three years' duration, in geology or geophysics or a related field such as physics, chemistry, biology, geography, or geological engineering.

WORK EXPERIENCE REQUIREMENTS

A minimum of four years of geoscience experience is required. At least one year of this experience must be obtained in a Canadian environment. At least three years of this experience must be obtained after completion of the degree.

Both education and work experience components must be met.

ASSESSMENT PROCESS

To become registered as a Professional Geoscientist in Manitoba an individual must first apply to the **Association of Professional Engineers and Geoscientists of Manitoba (APEGM)**. The applicant must submit:

- a completed application form (available from APEGM);
- original degrees or diplomas;
- all available syllabi, course descriptions and statements of marks; and
- an assessment fee of \$337.00.

If documents are not in English, notarised translations are required.

Credentials are assessed against a geology or geophysics syllabus adopted by APEGM based on a recommendation from the Canadian Geoscience Standards Board (CGSB). A course-by-course assessment is done by APEGM. As a result of this assessment, applicants are normally required to write four to ten examinations. Sometimes fewer exams are assigned depending on the completeness of the degree (in comparison with the geology/geophysics syllabus) and whether or not additional qualifying post-graduate degrees have been completed.

Examinations are held in May and October of each year. Candidates are given syllabi, textbook information etc. to help them prepare for examinations. Candidates are expected to complete an average of one examination per session. (For example, a candidate assigned four examinations will be given two years to complete them). Each examination costs \$240.00 and there is an annual administration fee of \$128.00.

Upon successful completion of examinations, candidates must enrol with APEGM as *Geoscientists-in-Training (GITs)*. The enrolment fee is \$107.00 plus the annual dues of \$116.00 (i.e. first-time enrolment is \$223.00). As *GITs*, candidates are expected to submit detailed information on their work experience, including the names and addresses of supervisors. Supervisors also must submit reports in order to verify this information. Candidates who had been assigned a confirmatory examination program are often allowed to count experience gained in other countries or provinces as well as experience gained in Manitoba while on the exam program. **It is therefore very important that candidates maintain contact with previous employers.*

Finally, all *GITs* are required to pass the *Professional Practice Examination* and provide references before they can be registered as Professional Geoscientists in Manitoba. When all requirements have been successfully completed, and all fees have been paid (*annual dues for 2005 are \$264.00*), candidates are registered in Manitoba as Professional Geoscientists.

The fees, documentation requirements, and assessment process detailed above are subject to change without notice.

For more detailed information please contact:

Association of Professional Engineers and Geoscientists of Manitoba (APEGM)

850A Pembina Highway
Winnipeg, Manitoba
Canada R3M 2M7
Phone: (204) 474-2736
Fax: (204) 474-5960
E-mail: apegm@apegm.mb.ca
Web site: <http://www.apegm.mb.ca>

Revised September 2005 (jcm)