Opportunities for Student Employment and Training

The Targeted Geoscience Initiative 4 (TGI-4) is a collaborative federal geoscience program that provides industry with the next generation of geoscience knowledge and innovative techniques, which will result in more effective targeting of buried mineral deposits.

Focus of the TGI-4 program

- developing a more robust means of measuring whether a geological system may contain deeply buried ore (system fertility) and providing a direction to that ore (exploration vectors), thereby reducing investment risk and cost
- developing new and improved geoscience knowledge and techniques to better understand, model and detect Canada’s major mineral systems
- training and mentoring students to increase the number of highly qualified personnel available to the mineral industry

To accomplish the TGI-4 objective, the Geological Survey of Canada (GSC), Natural Resources Canada (NRCan) has launched an extensive suite of activities centred on the data-rich environments found in established and emerging mining camps.

What does TGI-4 offer undergraduate and graduate students in the Earth Sciences?

The GSC has a long history of training and mentoring undergraduate and graduate students in the Earth Sciences through seasonal (summers and COOP) or part-time employment. TGI-4 expects to hire more than 75 students. Under TGI-4, students are exposed to a broad spectrum of field to laboratory-related experiences across a breadth of geoscience topics. The GSC has the satisfaction of helping develop the next generation of highly skilled geoscientists for employment in the minerals industry, research institutes and university faculties. The students receive:

- a stimulating work environment in the field, office and/or laboratories
- a competitive salary or a stipend
- survey experience that is highly valued by future employers
- logistical support and facility access for undergraduate and graduate theses
- an opportunity to see diverse regions of Canada

TGI-4 will hire and train undergraduate students and graduate students. Graduate students will have the opportunity to work on theses that contribute to achieving the goal of the TGI-4 program of increasing exploration effectiveness in the search for buried mineral deposits.
How do I apply for student employment programs?

The Federal Student Work Experience Program (FSWEP) provides students with work experience and learning opportunities related to their field of study. FSWEP is open to full-time students in secondary school, CEGEP, college, technical institutes and university.

The Research Affiliate Program (RAP) recruits graduate students to participate in TGI-4. RAP pays bursary students a stipend three times a year to cover living expenses during their period of study and research. RAP also hires undergraduate and graduate students at an hourly wage commensurate with their level of education.

For more information about these programs, including pay, eligibility, FAQs and how to apply, visit the student section of www.jobs.gc.ca.

For more information about TGI-4 and student opportunities, contact Mike Villeneuve, Program Manager
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Targeted Geoscience Initiative 4: Increasing Deep Mineral Exploration Effectiveness