



Student – Engineering Technology

Projects Division
Fall Term

About Us

SNOLAB is an international facility for world-class underground physics research and has an expanding programme in astroparticle physics and underground science. Located in an air-conditioned clean room 2 km underground in the Vale Creighton Mine near Sudbury Ontario, with a suite of surface facilities and laboratories, SNOLAB is currently preparing for the next generation of experiments focusing on neutrino studies and the search for galactic dark matter.

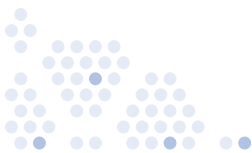
The Position

There is an opening for a student enrolled at an accredited post-secondary institution working toward a technologist diploma in a technical discipline. The position consists of a mix of drafting and engineering design and will support various projects led by a SNOLAB Designer or Engineer.

Experience or exposure working in 2D and 3D CAD environments is essential. The Engineering Office provides engineering services including design, consultation, and project management, to both the SNOLAB facility, and to the experimental collaborations for experiments hosted at SNOLAB. The position will report to the Manager of the Engineering Office. The position may include, but is not limited to the following responsibilities:

- Producing detailed technical designs under the direction of a designer or engineer
- Researching/Selecting materials and components to meet performance requirements
- Provide drafting support on various projects relating to mechanical, electrical or process systems including piping, vacuum, and cryogenics
- Preparing detailed fabrication, assembly, and installation drawings
- Participating in design review meetings, discussions with skilled trades and operations staff in order to develop or progress design detail
- Issuing drawings and filing design documents using AutoDesk Vault
- Potential for underground travel and work within the SNOLAB underground facility

Criteria



📍 Creighton Mine #9, 1039 Regional Road 24, Lively, ON P3Y1N2
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Education:

Must be 18 years or older, registered in a three-year post-secondary diploma program at a community college in an engineering or applied science technology discipline, or be a recent graduate (having graduated in the last 3-6 months) or returning to full-time or part-time studies in the next academic term.

Experience:

- Experience using 2D and 3D CAD design software such as AutoCAD and Inventor
- Experience or knowledge of mechanical or electrical shop practices and operations
- Experience or knowledge of drafting standards, methodologies, orthographic and isometric representations, and drawing control
- Experience taking measurements and creating field sketches
- Experience or knowledge of various industrial materials and their properties (e.g. steel, aluminum, copper, concrete, etc.)

Salary Range

Salary will be determined by education and qualifications. These positions are subject to availability of funding. To meet operational needs, shift work may be required.

To Apply

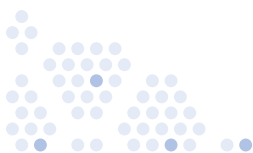
Applications must be submitted to paul.larochelle@snolab.ca. **Please do not fax or mail your applications.** If you wish to do so, you may send your application to studentjobs@snolab.ca as well; it will be added to a pool seen by the other Research Scientists/Managers and could be selected for other jobs. The application will include a cover letter and resume in a **single** PDF file with the name: "<Name>_<ProjectApplying>_<AcademicYear>_<HomeInstitution>.pdf".

Closing Date

September Term (Fall) Deadline to Apply: May 19 to June 8

The posting will remain open until the position is filled, but review of applications will commence on June 9. SNOLAB thanks all applicants for their interest, however, only those students considered for an interview will be contacted.

SNOLAB is committed to equity in employment and encourage applications from all qualified applicants, including women, Indigenous persons, members of visible minorities and persons with



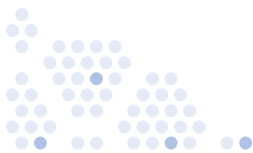
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disabilities. In accordance with Canadian immigration requirements, priority will be given to Canadian citizens and permanent residents.

SNOLAB will provide support in its recruitment processes to applicants with disabilities, including accommodation that takes into account an applicant's accessibility needs.

Further information about SNOLAB may be found at www.snolab.ca

Posting Date: May 19, 2022



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