

Student – Engineering & Operations Co-op

(May 2024- August 2024)
Operations Division
Summer 2024

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.

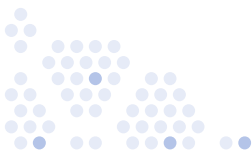
The Position

This position supports the Engineering Office Manager. The main task is to assist in the execution of various engineering projects relating to the operation of the underground laboratory.

Duties include providing drafting, engineering design and administrative support for various projects led by SNOLAB engineers or designers. Underground work and field inspections are important to this role.

Experience or exposure working in 2D and 3D CAD environments is an asset. The Engineering Office provides engineering services including design and consultation to both the SNOLAB facility, and to the experimental collaborations for experiments hosted at SNOLAB. Some of the responsibilities of the position are as follows:

- Providing assistance in the deployment and configuration of Autodesk Vault Thin Client
- Producing detailed technical designs under the direction of a designer or engineer
- Researching/Selecting materials and components to meet performance requirements
- Providing 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 technical designs
- Issuing drawings and filing design documents using Autodesk Vault
- Performing field inspections and other on-site work in the SNOLAB underground facility



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

Education:

Must be 18 years or older, registered in post-secondary Bachelor of Engineering or Applied Science at an accredited institution, recent graduate (having graduated in the last 3-6 months) or individual returning to full-time or part-time studies in the next academic term.

Experience:

Experience in the following items would be considered an asset:

- 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

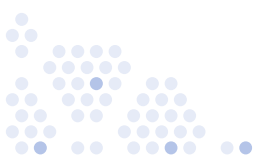
Applications must be submitted to plarochelle@snolab.ca. If you wish to do so, you can send it to studentjobs@snolab.ca as well: it will be added to a pool seen by other Research Scientists/Managers and could be selected for other jobs. The application will include a cover letter and resume in a single PDF file with the name: "<Name>_EngStudent_<AcademicYear>_<HomeInstitution>.pdf"

Closing Date

May Term (Summer 2024) Deadline to Apply: February 9

The posting will remain open until the position is filled, but review of applications will commence on February 12. 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 disabilities. In



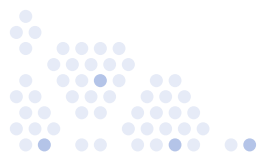
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accordance with Canadian immigration requirements, priority will be given to Canadian citizens and permanent residents.

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: January 23, 2024



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