



## Cryogenic Systems Specialist

Full Time Indeterminate, Research Department

### About Us

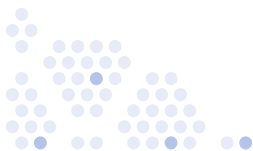
SNOLAB is Canada's deep-underground science laboratory, located at a depth of 2 kilometers in Vale's Creighton Mine near Sudbury, Ontario. The facility supports world-class astroparticle physics research and has attracted innovative life science and quantum technology programs. SNOLAB operates in a controlled, air-conditioned clean-room environment, supported by a suite of surface facilities and laboratories supported by a multidisciplinary team of scientists, engineers, skilled tradespeople, technical staff, and support staff.

By hosting and enabling the world's most advanced and sensitive underground experiments, SNOLAB bolsters Canada's scientific reputation, attracts new talent to our country and Northern Ontario, trains more highly skilled people, provides more opportunities for Canadian researchers to lead international projects, and generates economic benefits for Ontarians and Canadians.

### About the Role

The Cryogenic Systems Specialist is responsible for the construction, operation, supervision, and maintenance of cryogenic systems supporting ultra-low temperature experiments at SNOLAB's underground and surface facilities. This role provides technical leadership and training to staff, students, contractors, and users, ensuring safe operation and handling of cryogenics, compressed gases, and related systems. It includes monitoring, troubleshooting, and optimizing cryogenic and vacuum equipment such as dilution refrigerators, cryocoolers, dewars, gas manifolds, chillers, and reliquefaction systems, with a strong focus on safety, reliability, and performance.

- Operate, monitor, maintain, and troubleshoot custom and commercial cryogenic and vacuum systems supporting SNOLAB experiments and laboratory infrastructure, including associated instrumentation, piping, and control systems.



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- Provide technical leadership and supervision for staff, students, contractors, and users in the construction, operation, and maintenance of cryogenic systems, ensuring safe, reliable, and compliant performance.
- Lead installation, commissioning, and upgrades of cryogenic and vacuum systems in both surface and underground laboratories, including system integration and performance validation.
- Deliver training and technical guidance on cryogenic and vacuum systems, including standard procedures, equipment operation, leak checking, troubleshooting, and monitoring techniques.
- Develop, implement, and manage preventative maintenance programs, including inspections, performance tracking, spare parts procurement, and coordination of repairs and improvements with internal teams and external vendors.
- Promote and maintain a strong health and safety culture, including safe handling of cryogenics and compressed gases, performing and supervising transfers, reviewing system designs and procedures, and supporting hazard assessments and risk mitigation.
- Other duties as assigned.

**Closing Date: May 8, 2026**

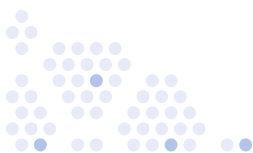
Applications will be accepted until **11:59pm Eastern Time**.

### Education and Experience:

- Bachelor's degree in a related field or;
- An equivalent combination of education and experience.
- Minimum of four years of experience working with cryogenic equipment and related systems.
- Supervision is an asset

### Knowledge, Skills and Abilities:

- Demonstrated knowledge of cryogenic systems and instrumentation, including cryocoolers and sub-Kelvin technologies (e.g., dilution refrigerators), as well as vacuum systems, piping, and gas-handling equipment.
- Strong understanding of thermodynamic principles and safety standards related to cryogenics and compressed gases.
- Proven ability to perform leak checking, system diagnostics, and advanced troubleshooting of cryogenic and vacuum systems.



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- Effective communication and collaboration skills, with the ability to work independently and provide supervision, training, and technical guidance to others.
- Strong documentation practices with a high level of accuracy and attention to detail.
- Excellent organizational and time management skills, with the ability to prioritize, plan, and manage multiple tasks in a dynamic work environment.

**Salary Range:** \$85,112- \$100,303 per annum

### Total Rewards:

- Employer paid dental, extended health, vision care, emergency travel assistance, Employee Assistance Program (EAP), Life Insurance, and supplementary Wellness Benefits.
- Excellent Employee Pension Plan
- Disability benefits, and optional additional Life insurance and Accidental Death & Dismemberment (AD&D)
- Generous paid time off
- Maternity and paternity leave supplement pay

All applications must be submitted to [jobs@snolab.ca](mailto:jobs@snolab.ca). **Please do not fax or mail your applications.** By applying to the e-mail address, your application becomes available to managers immediately. Interested candidates should include a cover letter and resume.

SNOLAB thanks all applicants for their interest, however, only those candidates considered for an interview will be contacted.

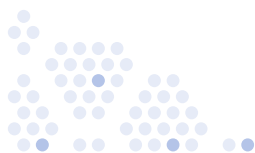
SNOLAB is committed to equity in employment and encourage applications from all qualified applicants, including women, Indigenous persons, members of visible minorities and persons with disabilities. In accordance with Canadian immigration requirements, priority will be given to Canadian citizens and 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](http://www.snolab.ca)

*SNOLAB is located on the traditional territory of the Robinson-Huron Treaty of 1850, shared by the Indigenous people of the surrounding Atikameksheng Anishnawbek First Nation as part of the larger Anishinabek Nation.*

*We acknowledge those who came before us and honour those who are the caretakers of this land and the waters.*



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