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CO-OPERATIVE EDUCATION.  
**CAREER OPPORTUNITIES  
FOR A COMPLEX WORLD.**

**BCIT**

# Heating, Ventilation, Air Conditioning and Refrigeration Technician

## BCIT PREPARES STUDENTS TO HIT THE GROUND RUNNING

The Heating, Ventilation, Air Conditioning and Refrigeration (HVAC+R) Technician program at BCIT is a two-year program that combines classroom and shop instruction with co-operative education experience in industry. First-year students learn about direct refrigeration systems and second-year students cover topics focused on HVAC systems design, operation, and controls with an emphasis on diagnosis, service requirements, and procedures.

## WHAT CAN BCIT STUDENTS DO?

Depending on whether the student is embarking on their 1st or 2nd work term, students have received instruction and training on:

- Trade safety practices and technical information
- Fundamentals of refrigeration and service procedures
- Electrical fundamentals, diagrams, and equipment testing
- Installation of electrical devices and refrigeration projects
- Design refrigeration system and HVAC distribution system
- Heat pump systems, gas heating system, and computer
- Environmental systems
- Ammonia systems/water treatment
- Air distribution arrangement, air properties and measurements
- Heat/cool load calculations

## WHEN CAN BCIT STUDENTS WORK?

Students complete two mandatory work terms. They are available for 22 weeks from September to January, and again from May to October.



## WHY HIRE A CO-OP STUDENT?

- **Gain a fresh perspective:** students provide innovative thinking rooted in hands-on, industry aligned training
- **Impact the curriculum:** as an industry expert, you influence the content and relevancy of BCIT programs
- **Expedite the recruitment process:** fill temporary positions and assess the fit of prospective employees
- **Mentor the new generation:** with your support, students develop the skills necessary for success

## HIRING PROCESS

- 1** Send your job posting to the Co-op Coordinator.
- 2** Review applications.
- 3** Interview candidates. If desired, BCIT will set up interviews.
- 4** Hire a BCIT student and notify the Co-op Coordinator.

## PARTNERS IN EDUCATION

As a co-educator, you:

- Develop accurate and informative job descriptions
- Determine a fair and appropriate wage
- Provide meaningful employment in the student's field of study
- Establish clear work objectives with the student's progress
- Participate in on-site visits with the co-op coordinator to evaluate the student's performance

CO-OP COORDINATOR  
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**SHAPE THE FUTURE WORKFORCE.  
HIRE A BCIT STUDENT.**

[bcit.ca/trades-co-op](http://bcit.ca/trades-co-op)

