New Microcredential Launch:
Residential Air-to-Air Heat Pump Specialist

The British Columbia Institute of Technology (BCIT), in partnership with the Thermal Environmental Comfort Association (TECA) and the Home Performance Stakeholder Council (HPSC), is proud to launch the Residential Air-to-Air Heat Pump Specialist Microcredential. This part-time program is purpose-built training for trades and contractors looking to upskill or reskill for design and installation of small residential heat pump systems.

Why This Matters

The shift to electrification and heat pump technology is accelerating across BC and Canada. By upskilling your crews now, your business can stay ahead of regulatory change, expand service offerings, and secure a stronger foothold in the growing retrofit and new-build market. This microcredential provides the practical knowledge and skills your crews need to confidently work with residential air-to-air heat pumps.

Program Highlights

- Developed in partnership with TECA, HPSC and BCIT, ensuring alignment with industry standards and real-world trade practice.
- Practical, trade-oriented courses designed to help installation crews and contractors deliver safe, efficient, and best-practice-aligned work.
- Eligible training pathway for the Home Performance Contractor Network (HPCN) HVAC sector. New HPCN registrants can choose to complete the microcredential or standard training pathway. Existing members only need to complete the missing courses to earn the full microcredential.

Tuition Grants & Incentives

Grants are available to reduce course costs. Contractors joining the HPCN are eligible for 100% course reimbursement plus a wage contribution.

How to Register

1. Register early for each course – seats are limited and fill quickly.
2. Before you pay tuition, check your email to complete our screening survey.
3. The BCIT team will confirm the grant amount you qualify for and send you instruction on how to pay remaining balance, if any.

Questions?

Contact soce-heatpump-microcredential@bcit.ca

Course Code	Course Title		CRN	Delivery & Schedule	Dates	Format	Link
MZEB 2110	**TECA Quality First Residential Air Source Heat Pump System Design**	DAYTIME (Weekdays)	52403	45hrs, 11 classes: Mon, Tue, Wed (12:30-4:30PM)	Sep 29 – Oct 22 (4 weeks)	Online	Register
		EVENINGS + WEEKENDS	52404	45 hrs: 9 classes: Sat (7:00-11:00AM & 12-4PM), Tue & Thu (5:30-9PM)	Oct 04 – Oct 23 (3 weeks)	Online	Register
		DAYTIME (Weekdays)	52406	45 hrs, 5 classes: Mon - Fri (7:00-11:00AM & 12-4:30PM)	Oct 27 – Oct 31(1 week)	Online	Register
		DAYTIME (Weekdays)	52405	45 hrs, 6 classes: Mon-Mon (7:00-11:00AM & 12-3:30PM)	Nov 24 – Dec 01 (6 days)	Campus	Register
MZEB 2120	**Residential Air Source Heat Pump System Retrofit Design**	DAYTIME (Weekdays)	52389	15 hrs, 2 classes: Thursdays (7:00-11:00AM & 12-3:30PM)	Oct 02 – Oct 09 (2 weeks)	Online	Register
		EVENINGS	52390	15 hrs, 4 classes: Mon & Wed	Nov 03 – Nov 12 (2 weeks)	Online	Register
		EVENINGS + WEEKENDS	52392	15 hrs, 3 classes: Sat (7:00-11:00AM & 12-4PM, Tue + Thu (5:30-9PM)	Oct 11 – Oct 16 (1 week)	Online	Register
		DAYTIME (Weekdays)	52393	15 hrs, 2 classes: Thu & Fri	Nov 13 – Nov 14 (1 week)	Online	Register
		DAYTIME (Weekdays)	52394	15 hrs, 2 classes: Thu & Fri	Dec 04 – Dec 05 (2 days)	Campus	Register
MZEB 3110	**Residential Air Source Heat Pump Installation Skills**	DAYTIME (Weekdays)	52387	45 hrs, 5 classes: Fridays (7:30-11:00AM & 12-4PM)	Sep 26 – Oct 24 (5 weeks)	Campus	Register
		WEEKENDS	52385	45 hrs, 5 classes: Saturdays (7:30-11:00AM & 12-4PM)	Nov 01 – Nov 29 (5 weeks)	Campus	Register
		DAYTIME (Weekdays)	52386	45 hrs, 5 classes: Monday to Friday	Nov 17 – Nov 21 (1 week)	Campus	Register
		DAYTIME (Weekdays)	52384	45 hrs, 5 classes: Mon–Fri	Dec 08 – Dec 12 (1 week)	Campus	Register

Prerequisites for all courses listed in table above:

The following TECA Quality First courses are required as prerequisites:

- Heat Loss / Heat Gain Calculation
- Principles of Moving Air

If you do not already have these prerequisites, you can take them directly through TECA. Courses are typically offered over four different days, with both daytime and evening options available.

Upcoming TECA Offerings

TECA Quality First Heat Loss / Heat Gain Calculation

- October 3, 2025
- October 17, 2025
- November 14, 2025

TECA Quality First Principles of Moving Air

- September 29, 2025
- October 9, 2025
- November 13, 2025

All other details, including costs and registration, can be found on the TECA website: www.teca.ca