

Residential Insulation Technician Micro-credential & Residential Retrofit Window and Door

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College



HPSC



Residential Insulation Technician Micro-credential

High-level Objectives

- Provide theoretical and experiential learning to introduce new workers to the insulation industry as well as provide existing employees with the opportunity to upskill to ensure quality insulation standards in the industry.
- Insulation is a critical component of the building envelope and is a key contributor to energy efficient homes. Energy efficiency home improvements include upgrading insulation to enhance the building envelope. Changes to construction codes create a myriad of opportunities for insulation companies and the lack of skilled labour is creating barriers to company growth.



Residential Insulation Technician Micro-credential

Course Focus

- RIT is a formal existing micro-credential recognized by industry as a premium training program to ensure quality trained installers for the industry.
- RIT provides theory and practical experience for both new builds and retrofit residential insulation projects. There is no other training program for residential insulators in Canada that is non product specific.
- The insulation industry is less impacted by the seasonality of the construction industry and as such, provides great opportunities for sustainable long term employment with career progression options.



Residential Insulation Technician Micro-credential

Course Duration

284-hours

- Courses include:
- Foundational Skills for Residential Insulators
- Health and Safety in Insulation Work
- Building Science Fundamentals and Building Envelope
- Application of Insulation in Residential/Multi-family Construction
- Specialty Products in Residential and Multi-family Construction
- Spray Foam Application
- Work placement (3 weeks)



Residential Insulation Technician Micro-credential

Delivery Format

Face to Face

- could be blended format but is delivered to meet the needs of target participants



Residential Insulation Technician Micro-credential

Target Participants

- This training provides direct employment access, including a work placement allows for participants to connect with industry directly.
- Past cohorts have 90-100% employment offers from the work placement opportunity.



Residential Retrofit Window and Door Installation

High-level Objectives

- Provide quality training to upskill existing contractors and employees to provide quality work and build capacity in the window and door installation for retrofit projects



Residential Retrofit Window and Door Installation

Course Focus

- Key topics include visual assessments, regulatory requirements, energy performance products, building codes, barriers for exterior conditions (windows and doors), replacement conditions and best practices etc).



Residential Retrofit Window and Door Installation

Course Duration

- 60 hours two courses
- Module 1 20 hours (online)
- Module 2 40 hours (hand on)



Residential Retrofit Window and Door Installation

Delivery Format

- Blended format – course one is online and course two is hands on intensive format.



Residential Retrofit Window and Door Installation

Target Participants

- Targeting existing contractors and employees
- Focus on training that is/will be mandatory to be part of the Home Performance Stakeholders Council. HPSC works with rebate programs and industry stakeholders and this training is part of the HPSC's training pathway for provincial participation.
- Delivered in collaboration with provincial post secondary institutions and the Canadian Home Builders Association of BC.



Provincial Rollout



Provincial wide marketing initiative – RIT & WDQR is taking place



Ecosystem Development

- Working with other departments to gain synergies and alignment for OC (Sustainable Building Technologies Department)
- Developing micro-credentials to help support industry to work up to Step 4 & 5
- Building on residential insulation training (i.e. advanced, retrofit* insulation installation, energy advisor, professional development etc.

*building on the best practices training for contractors



Delivery

- Face to Face – could be blended format but is delivered to meet the needs of target participants



Questions?

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