

# Heat Pump Industry Training Resources



Canada's Tournament Capital

## Training courses on low-carbon, high efficiency homes and heat pumps offered in British Columbia for new and retrofit contractors (as of March 2022):

These courses aim to develop and improve the skills necessary for the shift towards building electrification. These focus on best practices for heat pump installation, consumer satisfaction, and energy efficient homes. Contractors can register and learn more by clicking on the course names, or visit [Kamloops.ca/HeatPumps](https://Kamloops.ca/HeatPumps) for course details and links.

COURSE NAME	*INSTITUTE	COST	LEARNING OBJECTIVES	DETAILS
<a href="#">Heat Pump Installer Training Course</a>	BC Hydro Powersmart FortisBC	Free for PRC or HPCN	<ul style="list-style-type: none"> <li>Gain the skills to install indoor and outdoor heat pump units in a safe and effective manner, including some common residential insulation products</li> <li>Building science principles and best practices for heat pumps</li> </ul>	<ul style="list-style-type: none"> <li>Online</li> <li>7 modules</li> </ul>
<a href="#">Basic Understanding of a Passive House Building</a>	PHC	\$50.00	<ul style="list-style-type: none"> <li>Gain a basic understanding of the core principles of Passive House design standards and meeting provincial energy efficiency regulations</li> </ul>	<ul style="list-style-type: none"> <li>Online</li> <li>Self-paced</li> <li>5 hours</li> </ul>
<a href="#">BC Energy Step Code for Builders and Energy Advisors</a>	CHBA-BC	\$499.00	<ul style="list-style-type: none"> <li>Understand the BC Energy Step Code specifications</li> <li>Identify performance metrics, administrative steps, and design considerations required when building a Step Code compliant home</li> </ul>	<ul style="list-style-type: none"> <li>Online</li> <li>Self-paced</li> <li>5 hours</li> </ul>
<a href="#">Energy Management Professional</a>	CIET	\$595.00–\$695.00	<ul style="list-style-type: none"> <li>Cover technical matters of energy consuming systems and opportunities for energy savings</li> <li>Discuss central elements for energy efficiency, and how to set and reach efficiency goals</li> </ul>	<ul style="list-style-type: none"> <li>Online</li> <li>3 days</li> </ul>
<a href="#">Municipal Heat Pump Certification (Hydronic)</a>	TECA	\$795.00–\$975.00	<ul style="list-style-type: none"> <li>Cover various heat pump designs involving air-to-air or water-to-water heat pumps</li> <li>Learn to properly size and operate heat pumps and use them in a hydronic heating or cooling system</li> </ul>	<ul style="list-style-type: none"> <li>Online</li> <li>24 hours</li> </ul>
<a href="#">Net Zero Energy Construction</a>	BCIT	\$1,014.79 plus BCIT tuition fees	<ul style="list-style-type: none"> <li>Gain an understanding of building science, design, and construction strategies for zero energy buildings and best practices</li> <li>Design or build to the BC Energy Step Code, Net-Zero Energy, or Passive House standards</li> </ul>	<ul style="list-style-type: none"> <li>Online</li> <li>48 hours</li> </ul>
<a href="#">Refrigeration and Air Conditioning Mechanic Foundation</a>	TRU	\$607.00 per month (~\$3,642.00 for 25 weeks)	<ul style="list-style-type: none"> <li>Course for an entry-level position as an apprentice in refrigeration sector</li> <li>Foundational knowledge in refrigeration to understand how heat pumps work, with a section of the course providing an overview of heat pumps</li> <li>Refrigeration theory such as heat transfer, temperature pressure conversions and calculations, components, and practical applications</li> </ul>	<ul style="list-style-type: none"> <li>In-person (Kamloops)</li> <li>25 weeks</li> <li>Full-time studies</li> </ul>

### \*LEGEND:

**BCIT** – British Columbia Institute of Technology

**CHBA-BC** – Canadian Home Builders Association of British Columbia

**CIET** – Canadian Institute for Energy Training

**PHC** – Passive House Canada

**TECA** – Thermal Environmental Comfort Association

**TRU** – Thompson Rivers University

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