

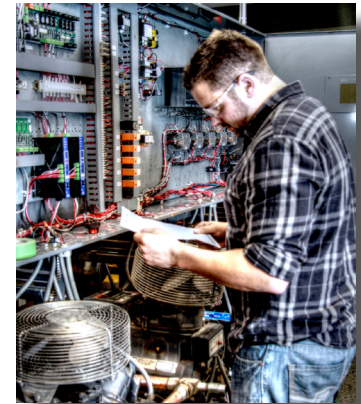
**What is a...**

# REFRIGERATION WORKER?

Refrigeration Workers fabricate, install, alter, repair and service closed systems used for cooling and/or heating that contain refrigerant or brine and thermoelectric cooling. They work predominantly in servicing the institutional, commercial and industrial construction sector.

## REFRIGERATION WORKERS

- Evacuate, charge, start up, inspect, operate, maintain and service mechanical systems and controls in heating, ventilation and air conditioning including retrofits, solar systems, refrigeration and food store equipment
- Are knowledgeable in the safe use and storage of refrigerants, leak prevention, reclamation and recycling of refrigerants
- Comprehend schematic diagrams and troubleshooting
- Measure, cut and connect piping using welding and brazing equipment
- Recharge systems with refrigerant gases as required
- Connect rooftop units to gas, test and balance systems and connect electrical systems
- Use and adjust computerized controls & use computer software to calculate loads
- Work and stay safe in the workplace



**RTi**

Refrigeration  
Training Institute

# TRAINING TO BECOME A REFRIGERATION WORKER

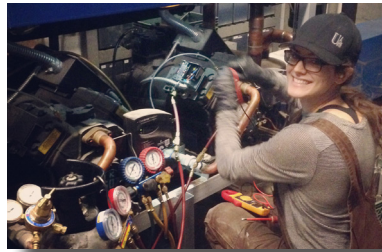
## APPRENTICESHIP TRAINING

UA Local 516 is the largest sponsor of Refrigeration and Air Conditioning Mechanic (RACM) apprentices in B.C.

Completion of Harmonized apprenticeship (Dec 2019) in the RACM trade requires 6,210 hours on-the-job and 4 terms (990 hours) of technical training.

Successful completion of a 4 year apprenticeship will result in:

- Certificates of Apprenticeship & Qualification with an Inter-Provincial Red Seal
- Field Safety Representative (FSR) Class RE Electrical Certificate
- ODP/ODS ticket (Ozone Layer Protection Awareness)
- TDG ticket (Transportation of Dangerous Goods)
- Class B Gas Fitter licence (requires additional 1,500 hours on-the-job training for a total of 8,700 hours)



## RECOMMENDED EDUCATION

- Grade 12 diploma including:
  - English 12
  - Math 11 (applications of Math 11 or Principles of Math 11)
  - Physics 11 (preferred Grade 12 completion)



## SKILLS & ABILITIES

To be successful in their trade, Refrigeration Workers are:

- critical thinkers/problem solvers
- good and clear communicators
- physically fit & able to lift 11 to 25 kilograms
- able to work in confined spaces
- able to work out-of-doors regardless of weather
- team players
- able to work well with others towards a common goal
- willing to learn
- able to do very precise work, expertly
- mechanically inclined with manual dexterity skills