

Bring Your Own Tools

As a student in the 313A/313D Refrigeration and Air Conditioning Mechanic or Residential Air Conditioning Mechanic apprenticeship programs at Algonquin College, you will need to bring a few key tools of your own.

Must Have Tools

- 1x multidriver
 - We suggest a Klein 11in1 or a Piquic Super8 Plus
 - Requires #1 and #2 Robertson and Phillips, 3/16" and 1/4" standard slot, 1/4" and 5/16" hex
- 1x control screwdriver
 - 1/8" standard slot
- 1x Schrader stem tool
 - May be included on control screwdriver or separate
- 1x or 2x refrigeration service wrench
 - Straight and/or angled style
- 1x sidecutters (or diagonal cutters)
- 1x needlenose pliers
- 1x wire strippers
- 1x terminal crimpers
- 2x adjustable wrench
 - 1 small 6"-8"
 - 1 medium 8"-10"
- 1x flashlight
- 1x tool bag, pouch or box
 - Small, not a large bag, not a backpack
 - No metal tool boxes

Optional Tools

- 1x arc joint pliers ("Channellocks")
- 1x tape measure in conventional units (inches and feet)
- 1x multi size ratcheting wrench in conventional units (1/4", 5/16" etc.)
- Screwdrivers
 - #2 Robertson
 - #2 Phillips
 - #2 Pozidrive
 - 3/16" cabinet tip standard slot
 - 1/4" cabinet tip standard slot
 - 4mm cabinet tip standard slot
 - #1 Robertson
 - 1/4" hex nutdriver
 - 5/16" hex nutdriver

Bring Your Own Tools

Do Not Bring

- Anything not on the above list
- Electrical meters
- Refrigerant gauges or manifold
- Thermometers or any instruments

PPE and Clothing

- Rated safety glasses
- Rated safety footwear – must have white and orange Ohm symbol and green triangle patches. If laced, boots must be properly tied.
- Suitable workpants – jeans, cotton duck. No sweatpants, track pants, athletic pants, leggings, etc. Pants cuff must cover the top of the shoe/boot.
- Suitable shirt – long or short sleeves, no offensive or disruptive language, logos or slogans. No jerseys, mesh material or similar synthetic materials.
- Clothing must be made of natural fibres such as cotton, or FR rated.
- All PPE must be in good condition and worn as intended.

Instructions

- Tools must be suitable and of a professional grade and type.
- Tools must be in good condition, safe to use, and unmodified
- Identifying tools is highly recommended.
- At the beginning of each intake each student will take a single photograph of their personal tools laid out on a bench. This photo will be retained to allow future identification of tools.
- Personal tool storage will not be provided in the shop. Personal tools may be stored in a locker, backpack, personal vehicle etc.