



Now and Tomorrow
Excellence in Everything We Do

Essential Skills and Apprenticeship

Essential Skills for Success as a Refrigeration and Air Conditioning Mechanic

Refrigeration and air conditioning mechanics use Essential Skills to complete trade-related tasks. Use this fact sheet to:

- learn how Essential Skills are used on the job;
- find out the skills you need to succeed in your trade; and
- help prepare yourself for your career.



Refrigeration and Air Conditioning Mechanic

Reading



- Read work orders to ensure that the correct equipment is installed.
- Read manufacturers' bulletins to learn about new equipment, modifications and solutions for repetitive equipment problems.
- Review equipment manuals to check for any unusual installation requirements.
- Review equipment specifications to ensure that customers' needs are being met and to determine the efficiency of different manufacturers' equipment.
- Interpret a range of codes relating to building, heating, ventilation, air conditioning, and refrigeration to comply with regulations.
- Read detailed diagnostic procedures in equipment manuals to determine the root causes of unit malfunctions.

Document Use



- Find the names and addresses of customers in work orders.
- Review equipment lists to find part numbers.
- Recognize hazard signs for flammable and combustible materials, high voltage electricity and compressed gases posted at work sites.
- Read instructional labels on equipment or parts to ensure correct installation or operation.
- Use tables such as refrigeration pressure and temperature charts to help make calculations which determine how much refrigerant to use.
- Analyze temperature readings of equipment sensors to diagnose equipment problems.

