

## ACR – Air Conditioning Refrig

### ACR 102 Tools and Service Techniques 2-3-3

This course is a basic study of the uses of tools and service equipment used in the installation and repair of HVAC equipment.

### ACR 106 Basic Electricity for HVAC/R 3-3-4

This course includes a basic study of electricity, including Ohm's law and series and parallel circuits as they relate to heating, ventilating, air conditioning and/or refrigeration systems.

### ACR 108 Refrigeration Fundamentals 3-0-3

This course is an introduction to the principles of refrigeration.

### ACR 110 Heating Fundamentals 3-3-4

**Prerequisites:** ACR 140

This course covers the basic concepts of oil, gas, and electric heat, their components and operation.

### ACR 118 Air Conditioning Fundamentals 1-6-3

This course is an introduction to the principles of air conditioning.

### ACR 131 Commercial Refrigeration 3-3-4

**Prerequisites:** ACR 210

This course is a study of maintenance and repair of commercial refrigeration systems.

### ACR 140 Automatic Controls 2-3-3

This course is a study of the adjustment, repair and maintenance of a variety of pressure and temperature sensitive automatic controls.

### ACR 160 Service Customer Relations 3-0-3

This course covers how to deal with different types of customers, selling techniques, and correct record keeping.

### ACR 201 Troubleshooting and Maint 2-3-3

**Prerequisites:** ACR 210

This course is a study of troubleshooting and maintenance of air conditioning equipment.

### ACR 206 Adv Electricity for HVAC/R 1-3-2

**Prerequisites:** ACR 140

This course includes a practical application of electrical and electronic components and circuits used to control HVAC and/or refrigeration systems.

### ACR 207 Advanced Refrigeration Electri 3-0-3

**Prerequisites:** ACR 210

This course covers the theory and application of electrical circuits and starting components in commercial and industrial refrigeration.

### ACR 210 Heat Pumps 2-6-4

**Prerequisites:** ( ACR 118 and ACR 140 )

This course is a study of theory and operational principles of the heat pump.

### ACR 250 Duct Fabrication 2-3-3

**Prerequisites:** ACR 118

This course covers the design, fabrication, and installation of air duct systems.