

**South Central College**

**air conditioning equipment.**

**Learning Objectives**

Review electrical shock hazards.  
Review the hazards of refrigerants.  
Discuss the hazards of higher modern refrigerant pressures.

**2. Investigate the high voltage and low voltage electrical systems.**

**Learning Objectives**

Draw a low voltage diagram.  
Draw a line voltage diagram.  
Describe a hard start kit and its purpose.  
Review a permanent split capacitor motor.

**3. Identify compressor types.**

**Learning Objectives**

Describe a reciprocating compressor  
Describe a rotary compressor.  
Describe a scroll compressor.  
Study other types of compressors used in larger commercial settings.

**4. Explain the different types of evaporator coils and their design advantages.**

**Learning Objectives**

Recognize the advantages and dis-advantages of cased and uncased evaporator coils.  
Compare micro-channel coils to standard tube and finned coils.

