

## INACTIVE PROGRAM

### **(H81) Certificate**

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The refrigeration curriculum prepares technicians to design, layout, install, repair and maintain commercial and domestic refrigeration units, and related environmental units.

### **Work and Employment**

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Air conditioning and ventilation mechanics install and service central air conditioning and ventilation systems. They follow design specifications and installation instructions to install motors, compressors, condensing units, evaporators and other components. This equipment is connected to duct work, refrigerant lines and power sources.

### **Program Contacts at Sauk Valley Community College**

Counseling Office, 815/835-6354;

Christopher Carlson, Assistant Professor of HVAC, 815/835-6221.

### **Major Field Requirements**

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- Electives (ELT, EET, HRS) 6 Semester hour(s)
  
- ELT 160 - Fundamentals of Electricity 3 Semester hour(s)
- ELT 262 - Electrical Controls 3 Semester hour(s)
- HRS 114 - Sheet Metal Fabrication 3 Semester hour(s)
- HRS 120 - Basic Refrigeration 3 Semester hour(s)
- HRS 130 - Basic Heating\*\* 3 Semester hour(s)
- ENE 140 - Solar Thermal Energy\*\* 3 Semester hour(s)
- HRS 222 - Commercial Refrigeration\*\* 3 Semester hour(s)
- IND 116 - Industrial Print Reading 3 Semester hour(s)

Total Hours Required for Certificate: 30

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