

# Air Conditioning/ Refrigeration Technology Diploma in Industrial Technology

## Entrance Requirements:

Acceptable ASSET or COMPASS score  
Students may enter this certificate any semester with department head approval.

## Type of Program:

Day or night

## Type of Degree:

Diploma

## Professional Credentials:

EPA Technician (subject to passing  
EPA exam)

## Employment Opportunities:

Installation and servicing of all types of heating and air conditioning and refrigeration equipment

- This program trains students to install and service heat pumps, gas, oil, electric equipment, and commercial refrigeration units.
- Each student must take one of the following industry competency exams to complete this diploma:
  - Residential Air Conditioning & Heating
  - Light Commercial Air Conditioning & Heating
  - Commercial Refrigeration
- The Associate in Occupational Technology is available to graduates of the diploma program.

## Recommended Program Schedule

### *First Semester*

ACR 101	Fundamentals of Refrigeration	5.0
ACR 102	Tools and Service Techniques	3.0
ACR 106	Basic Electricity for HVAC/R	4.0
MAT 101	Beginning Algebra*	3.0
	or	
MAT 170	Algebra, Geometry, and Trigonometry I*	3.0

### *Second Semester*

ACR 110	Heating Fundamentals	4.0
ACR 120	Basic Air Conditioning	4.0
ACR 131	Commercial Refrigeration	4.0
ACR 140	Automatic Controls	3.0
ENG 165	Professional Communications*	3.0

### *Third Semester*

ACR 122	Principles of Air Conditioning	5.0
ACR 210	Heat Pumps	4.0

PSY 103 Human Relations\* 3.0

**Total credit hours 45.0**

Note: See your advisor for recommended evening schedules.

Course rotation may differ based on the semester that the student enters into the program.

\*Required General Education course

Required General Education course may be substituted each semester with advisor approval.