

# 2024-2025 TTC Catalog

## Commercial and Industrial ACR Systems

### Certificate in Applied Science

#### 36 Credit Hours

This certificate prepares students for employment in the field of commercial refrigeration, commercial and industrial HVAC maintenance, diagnostics, and repair.

Through classroom theory and hands on learning, students will gain skills required to install, maintain and repair commercial refrigeration equipment, and perform maintenance and repair of commercial and industrial air conditioning equipment.

#### Major Requirement

ACR 106 Basic Electricity for HVAC-R 4  
ACR 108 Refrigeration Fundamentals 3  
ACR 109 Tools and Service Techniques II 2  
ACR 131 Commercial Refrigeration 4  
EEM 221 DC AC Drives 3  
EEM 251 Programmable Controllers 3  
IMT 140 Industrial Electricity 5  
IMT 151 Piping Systems 3  
IMT 160 Preventive Maintenance 3  
IMT 161 Mechanical Power Applications 4

**and**

a minimum of two credit hours in an IMT course with faculty advisor approval.

Total: 36

#### Admission Requirements

Students who are at least 18 years old and have acceptable scores from the SAT, ACT or placement test can be admitted into this program without a high school diploma or GED.