For entry into the program, you must be at least 18 years old and obtain the Certificate in Applied Science, Electrician: Automated Controls or seek departmental approval for prerequisite waiver.

**Recommended Sequence of Courses**

**First Semester – Summer**
- EEM 108 Basic Industrial Skills I 2
- IMT 160 Preventive Maintenance 3

**Total 5**

**Second Semester – Fall**
- AMT 209 Automation Networks – Ethernet 3
- IMT 161 Mechanical Power Applications 4

**Total 7**

**Third Semester – Spring**
- AMT 105 Robotics and Automated Controls I 3
- AMT 205 Robotics and Automated Controls II 3

**Total 6**

**Air Conditioning/Refrigeration Mechanics**

**Certificate in Applied Science**

**Credit Requirements: 24 Semester Credit Hours**

**Day**

The Air Conditioning and Refrigeration Mechanics program prepares students for an entry-level position in the residential and light commercial heating and air conditioning field. Admission into this program requires qualifying scores on SAT, ACT or TTC’s placement test. High school graduation is not required if you are at least 18 years old.

**Recommended Sequence of Courses**

**First Semester – Fall/Spring**
- ACR 106 Basic Electricity for HVAC/R 4
- ACR 108 Refrigeration Fundamentals 3
- ACR 109 Tools and Service Techniques II 2

**Total 9**

**Second Semester – Spring**
- ACR 111 Gas Heating Principles 3
- ACR 120 Basic Air Conditioning 4

**Total 7**

**Third Semester – Summer**
- ACR 150 Basic Sheet Metal 2
- ACR 210 Heat Pumps 4
- ACR 224 Codes and Ordinances 2

**Total 8**

Important information about the educational debt, earnings, and completion rates of students who attended this program can be found in section D.

**Arboriculture Management**

**Certificate in Applied Science**

**Credit Requirements: 25 Semester Credit Hours**

This certificate introduces and develops skills in current arboriculture practices. Students will be trained to select, establish and maintain trees.