Admission into this program requires a valid driver’s license and 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**
- AUT 101 Engine Fundamentals 3
- AUT 133 Electrical Fundamentals 3
  **Total 6**

**Second Semester – Spring**
- AUT 122 Suspension and Alignment 4
- AUT 131 Electrical Systems 3
  **Total 7**

**Third Semester – Summer**
- AUT 111 Brakes 3
- AUT 241 Automotive Air Conditioning 4
  **Total 7**

**Fourth Semester – Fall**
- AUT 116 Manual Transmission and Axle 4
- AUT 152 Automatic Transmission 4
  **Total 8**

**Fifth Semester – Spring**
- AUT 145 Engine Performance 3
- AUT 149 Ignition and Fuel Systems 4
  **Total 7**

**Sixth Semester – Summer**
- AUT 103 Engine Reconditioning 4
  **Total 4**

**Recommended Sequence of Courses**

**First Semester – Summer**
- IMT 102 Industrial Safety 2
- IMT 161 Mechanical Power Applications 4
  **Total 6**

**Second Semester – Fall**
- IMT 210 Basic Industrial Work Skills I 3
- IMT 211 Basic Industrial Skills II 3
  **Total 6**

**Third Semester – Spring**
- ENG 150 Basic Communications 3
- CPT 101 Introduction to Computers 3
  **Total 6**

**Fourth Semester – Summer**
- IMT 160 Preventive Maintenance 3
- QAT 110 Manufacturing Methods 3
- IMT 105 Mechanical Sketching 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.

**Basic Machining and CNC Fundamentals**

**Certificate in Applied Science**

**Credit Requirements: 30 Semester Credit Hours**

Evening

This program introduces students to workplace safety, blueprint reading, precision measuring, basic conventional machining and CNC operations including set-up and programming. Students are prepared for entry-level employment in the metalworking industry.

Admission into this program requires qualifying scores on SAT, ACT or the TTC placement test. High school graduation is not required if you are at least 18 years old.

**Recommended Sequence of Courses**

**First Semester – Fall**
- EGT 106 Print Reading and Sketching 3
- IET 223 Industrial Safety 3
- MTT 111 Machine Tool Theory and Practice I 5
  **Total 11**

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

**Basic Industrial Work Skills**

**Certificate in Applied Science**

**Credit Requirements: 26 Semester Credit Hours**

This certificate is designed to offer employability skills for the industrial environment and prepare the student for various entry-level positions at industrial and manufacturing work sites. Topics such as safety, communication, problem solving and computer use are introduced.

Admission into this program requires proof of high school graduation (or GED) and qualifying scores on SAT, ACT or the TTC placement test.