

# 2022-2023 TTC Catalog

## General Technology - Automotive Technology

### Associate in Applied Science in General Technology

#### Automotive Technology career path

#### 66-71 Credit Hours

The General Technology major allows students to select course work necessary to become multi-skilled technicians. In addition to completing the college's core curriculum, students also complete course work in at least two technical areas. The following is an example of a career path available. The secondary paths may be substituted for courses in other programs' primary path. Interested students should talk with their advisors.

This career path introduces students to the highly technical automotive industry. Employers today are looking for technicians with strong mechanical, analytical and reading comprehension skills. Students develop the basic skills required for the diagnosis, maintenance and repair of passenger cars and light trucks through theory and shop instruction. In addition, they are introduced to essential management and customer service principles.

Students can earn only one General Technology degree in a single career path.

#### General Education Core Requirements

ENG 101 English Composition I 3

ECO 210 Macroeconomics 3

or

PSY 201 General Psychology 3

SPC 205 Public Speaking 3

or

SPC 209 Interpersonal Communication 3

REQ HUM                      Select from                      3  
[Humanities](#)

REQ MAT                      Select from                      3  
[Mathematics/](#)  
[Natural Sciences](#)

Total: 15

#### First-Year Experience Requirement

EGR 110 Introduction to Computer Environment 3

or

IDS 109 First Year Experience Seminar 3

Total: 3

## **Primary Technical Specialty**

AUT 103 Engine Reconditioning 4  
AUT 111 Brakes 3  
AUT 116 Manual Transmission and Axle 4  
AUT 122 Suspension and Alignment 4  
AUT 131 Electrical Systems 3  
AUT 133 Electrical Fundamentals 3  
AUT 149 Ignition and Fuel Systems 4  
AUT 152 Automatic Transmission 4  
AUT 159 Tools, Equipment and Reference Manuals 3  
AUT 241 Automotive Air Conditioning 4

Total: 36

Take 12 - 17 additional credit hours from the following subject areas to meet the requirements for an associate degree. Twelve credit hours can be applied to a secondary technical specialty and five credit hours can be applied to a third specialty, if applicable. All secondary studies must be approved by your academic advisor.

### Secondary Technical Specialty Programs

Air Conditioning and Refrigeration  
Business Administration  
Commercial Truck Driving  
Electrical Line Worker  
Electrician: Automation, Construction and Industrial  
Engineering Design Graphics  
Industrial Maintenance  
Machine Tool Technology  
Mechatronics  
Welding Technology

Total: 12-17

## **Admission Requirements**

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