

Automotive Systems Technology
Credential: Diploma in Automotive Systems Technology
D6016000

The Automotive Systems Technology curriculum prepares individuals for employment as automotive service technicians. It provides an introduction to automotive careers and increases student awareness of the challenges associated with this fast and ever-changing field.

Classroom and lab experiences integrate technical and academic coursework. Emphasis is placed on theory, servicing and operation of brakes, electrical/electronic systems, engine performance, steering/suspension, automatic transmission/transaxles, engine repair, climate control, and manual drive trains.

Upon completion of this curriculum, students should be prepared for ASE exam and be ready for full-time employment in dealerships and repair shops in the automotive service industry.

Entrance Standards: See General Admission Standards on page 7 (Gen. Info section).

Academic Standards: See General Academic Standards on page 18 (Gen. Info section).

Program Length: 3 semesters

Career Pathway Options: Associate in Applied Science Degree in Automotive Systems Technology (Higher entrance standards required); Diploma in Automotive Systems Technology

Program Sites: Lee Campus - Day Program

Course Requirements for Automotive Systems Technology Diploma

A. General Education Courses (6SHC) C-L-SHC

*ENG 102 Applied Communications II 3-0-3

*MAT 101 Applied Mathematics I 2-2-3

Or

PHY 121 Applied Physics I 3-2-4

B. Required Major Core Courses (18 SHC)

AUT 141 Suspension & Steering Sys 2-3-3

AUT 151 Brake Systems 2-3-3

AUT 161 Basic Auto Electricity 4-3-5

AUT 181 Engine Performance 1 2-3-3

AUT 183 Engine Performance 2 2-6-4

C. Other Major Hours Required for Graduation (19 SHC)

AUT 110 Intro to Auto Technology 2-2-3

AUT 114 Safety and Emissions 1-2-2

AUT 114A Safety and Emissions Lab 0-2-1

AUT 141A Suspension & Steering Lab 0-3-1

AUT 151A Brake Systems Lab 0-3-1

AUT 163 Adv Auto Electricity 2-3-3

AUT 163A Adv Auto Electricity Lab 0-3-1

AUT 171 Auto Climate Control 2-4-4

AUT 181A Engine Performance Lab 0-3-1

AUT 186 PC Skills for Auto Techs 2-2-3

OR

CIS 111 Basic PC Literacy 1-2-2

*These courses are not transferable to the AAS Degree.

Total Semester Hours Credit Required for Graduation: 43

Semester Curriculum for Automotive Systems Technology Diploma

1st Semester (Fall) C-L-SHC

AUT 110 Intro to Auto Technology 2-2-3

AUT 141 Suspension & Steering Sys 2-3-3

AUT 141A Suspension & Steering Lab 0-3-1

AUT 161 Basic Auto Electricity 4-3-5

CIS 111 Basic PC Literacy 1-2-2

MAT/PHY MAT/PHY elective 3/4

9-13-17

2nd Semester (Spring)

AUT 151 Brake Systems 2-3-3

AUT 151A Brake Systems Lab 0-3-1

AUT 163 Adv Auto Electricity 2-3-3

AUT 163A Adv Auto Electricity Lab 0-3-1

AUT 181 Engine Performance 1 2-3-3

AUT 181A Engine Performance Lab 0-3-1

*ENG 102 Applied Communications II 3-0-3

9-18-15

3rd Semester (Summer)

AUT 114 Safety and Emissions 1-2-2

AUT 114A Safety and Emissions Lab 0-2-1

AUT 171 Auto Climate Control 2-4-4

AUT 183 Engine Performance 2 2-6-4

5-14-11

*These courses are not transferable to the AAS Degree.

Total Semester Hours Credit: 43

