

AUTOMOTIVE SYSTEMS TECHNOLOGY

Automotive Systems Technology Degree - A60160

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 to take the ASE exam and be ready for full-time employment in dealerships and repair shops in the automotive service industry.

Introduction to Light Duty Diesel Certificate – C60160A

Automotive Powertrains Certificate – C60160B

Automotive Brakes and Suspension Certificate – C60160C

Automotive Introduction Certificate – C60160D

First Semester

AUT 116	Engine Repair	3
AUT 116A	Engine Repair Lab	1
TRN 110	Intro to Transportation Tech.....	2
TRN 120	Basic Transport Electricity.....	5
TRN 120A	Basic Transport Electricity Lab.....	1
TRN 170	PC Skills for Transp	2
MAT 110	Math Measurement & Lit	3

Second Semester

AUT 123	Powertrain Diagn & Serv	2
AUT 181	Engine Performance 1	3
AUT 181A	Engine Performance 1 Lab.....	1
AUT 213	Automotive Servicing 2	2
AUT 231	Man Trans/Axles/Drtrains.....	3
ENG 110	Freshman Composition	3
HUM 121	The Nature of America.....	3

Third Semester

TRN 140	Transport Climate Control	2
TRN 140A	Transport Climate Control Lab	2

Fourth Semester

AUT 141	Suspension & Steering Sys.....	3
AUT 141A	Suspension & Steering Lab.....	1
AUT 151	Brake Systems.....	3
AUT 151A	Brake Systems Lab.....	1
AUT 281	Adv Engine Performance	3

PSY 118 Interpersonal Psychology.....3
Complete Automotive Brakes and Suspension Certificate (C60160C): AUT 141, AUT 141A, AUT 151, AUT 151A, TRN 110, TRN 170

Fifth Semester

AUT 114	Safety and Emissions	2
AUT 183	Engine Performance II	4
AUT 221	Auto Transm/Transaxles.....	3
AUT 221A	Auto Transm/Transax Lab	1
COM 120	Interpersonal Communication	3

Complete Automotive Powertrains Certificate (C60160B): AUT 116, AUT 116A, AUT 123, AAUT 221, AUT 221A, AUT 231

Complete Automotive Introduction Certificate (C60160D): AUT 114, AUT 123, AUT 151, AUT 151A, TRN 120, TRN 120A

Sixth Semester

Elective List I2

Complete Introduction to Light Duty Diesel Certificate (C60160A): Choose HET 134 + AUT 181, AUT 181A, TRN 120, TRN 120A

Elective List I (Select 2 hours from the following courses):

AUT 192	Selected Topics	2
HET 134	Diesel Fuel and Power Sys.....	3
WBL 111	Work-Based Learning I	1
WBL 112	Work-Based Learning I	2
WBL 121	Work-Based Learning I	1

Graduation Requirements..... 67 Credit Hours