

APPLIED ENGINEERING & TECHNOLOGIES

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.

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

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

Graduation Requirements 65 Credit Hours