

AUTOMOTIVE SYSTEMS TECHNOLOGY

The Automotive Systems Technology curriculum prepares individuals to apply technical knowledge and skills to repair, service, and maintain all types of automobiles and prepares for employment as entry-level transportation service technicians. The program provides an introduction to transportation industry careers and increases student awareness of the diverse technologies associated with this dynamic and challenging field.

Coursework may include instruction in brake systems, electrical systems, engine performance, engine repair, suspension and steering, automatic and manual transmissions and drive trains, and heating and air condition systems.

Upon completion of this curriculum, students should be prepared to take professional licensure exams, which correspond to certain programs of study and to enter careers as entry-level technicians in the transportation industry.

AUTOMOTIVE SYSTEMS TECHNOLOGY

A.A.S. Degree (A60160)

Suggested Sequence of Courses

Prefix	Course Title	Class	Lab	Clinic	Work	Credit
FALL SEMESTER 1						
ACA 115	Success and Study Skills	0	2	0	0	1
CIS 110	Introduction to Computers	3	0	0	0	3
TRN 110	Intro to Transport Tech	1	2	0	0	2
TRN 111	Chassis Maint/Light Repair	2	6	0	0	4
TRN 112	Powertrain/Light Repair	2	6	0	0	4
	Humanities/Fine Arts Elective	3	0	0	0	3
	TOTALS	11	16	0	0	17
SPRING SEMESTER 1						
AUT 116	Engine Repair	2	3	0	0	3
AUT 141	Suspension and Steering Systems	2	3	0	0	3
AUT 151	Brake Systems	2	3	0	0	3
AUT 181	Engine Performance I	2	3	0	0	3
TRN 120	Basic Transport Electricity	4	3	0	0	5
	TOTALS	12	15	0	0	17
SUMMER SEMESTER 1						
ENG 110	Freshman Composition <i>or</i>					
ENG 111	Writing and Inquiry	3	0	0	0	3
	TOTALS	3	0	0	0	3
FALL SEMESTER 2						
AUT 221	Auto Transmissions/Transaxles	2	3	0	0	3
MAT 110	Math Measurement & Literacy	2	2	0	0	3
TRN 145	Adv. Transport Electronics	2	3	0	0	3
WLD 110	Cutting Processes	1	3	0	0	2
WLD 112	Basic Welding	1	3	0	0	2
	TOTALS	8	14	0	0	13
SPRING SEMESTER 2						
BUS 137	Principles of Management	3	0	0	0	3
COM 231	Public Speaking <i>or</i>					
ENG 115	Oral Communications	3	0	0	0	3
ELC 117	Motors and Controls	2	6	0	0	4
ISC 112	Industrial Safety	2	0	0	0	2
	Behavioral/Social Sciences Elective	3	0	0	0	3
	TOTALS	13	6	0	0	15
	PROGRAM TOTAL					65

AUTOMOTIVE SYSTEMS TECHNOLOGY

Diploma Program (D60160)

Suggested Sequence of Courses

Prefix	Course Title	Class	Lab	Clinic	Work	Credit
FALL SEMESTER 1						
ACA 115	Success and Study Skills	0	2	0	0	1
CIS 110	Introduction to Computers	3	0	0	0	3
TRN 110	Intro to Transport Tech	1	2	0	0	2
TRN 111	Chassis Maintenance/Light Repair	2	6	0	0	4
TRN 112	Powertrain/Light Repair	2	6	0	0	4
	Humanities/Fine Arts Elective	3	0	0	0	3
	TOTALS	11	16	0	0	17
SPRING SEMESTER 1						
AUT 116	Engine Repair	2	3	0	0	3
AUT 141	Suspension and Steering	2	3	0	0	3
AUT 151	Brake Systems	2	3	0	0	3
AUT 181	Engine Performance I	2	3	0	0	3
TRN 120	Basic Transport Electricity	4	3	0	0	5
	TOTALS	12	15	0	0	17
SUMMER SEMESTER 1						
ENG 110	Freshman Composition <i>or</i>					
ENG 111	Writing and Inquiry	3	0	0	0	3
	TOTALS	3	0	0	0	3
	DIPLOMA TOTAL					37