PROGRAMS

AUTOMOTIVE SYSTEMS TECHNOLOGY - C-TECH (C60160C)

Curriculums in the Mobile Equipment Maintenance and Repair pathway prepare individuals 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.

Course work may include transportation systems theory, braking systems, climate control, design parameters, drive trains, electrical/electronic systems, engine repair, engine performance, environmental regulations, materials, product finish, safety, steering/suspension, transmission/transaxles, and sustainable transportation, depending on the program major area chosen.

Graduates of this pathway 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 program that prepares individuals to apply technical knowledge and skills to repair, service, and maintain all types of automobiles. Includes instruction in brake systems, electrical systems, engine performance, engine repair, suspension and steering, automatic and manual transmissions and drive trains, and heating and air conditioning systems

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

Certificate Program

		Course Hours Per Week		Semester Hours
First Semester (Fall)		Class	Lab	Credit
ACA-115	Success & Study Skills	0	2	1
AUT-141	Suspension & Steering Sys	2	3	3
AUT-141A	Suspension & Steering Lab	0	3	1
TRN-110	Intro to Transport Tech	1	2	2
	Credit Hours	**3**	**10**	**7**
Second Semester (Spring)				
AUT-151	Brake Systems	2	3	3
AUT-151A	Brakes Systems Lab	0	3	1
AUT-181	Engine Performance 1	2	3	3
	Credit Hours	**4**	**9**	**7**
Third Semester (Summer)				
TRN-140	Transp Climate Control	1	2	2
TRN-140A	Transp Climate Cont Lab	1	2	2

	Course Hours Per Week		Semester Hours
Credit Hours	**2**	**4**	**4**
Total Required Minimum Semester Hours Credit			18

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