

CCC Program Outcomes

Automotive Technology

Upon successful completion of the technical education requirements and the suggested program requirements for a Certificate the student shall:

Program Outcomes

- 1 Provide fundamentals of basic engine principles, operation and maintenance
- 2 Provide knowledge of principles, operation, diagnosis and service of disc brakes, drum brakes, and ABS systems
- 3 Provide knowledge of principles, operation, diagnosis and service of steering and suspension systems and alignments
- 4 Provide knowledge of principles, operation, diagnosis and service of automotive electrical systems, and wiring diagrams
- 5 Provide knowledge of principles, operation, diagnosis and service of engine performance problems with diagnostic equipment such as scanners and analyzers
- 6 Demonstrate shop procedures and repair procedures with the correct tools and equipment in a safe environmentally friendly manner
- 7 Provide training to develop mathematical, along with oral and written communication skills to problem solve effectively in an automotive repair shop
- 8 Provide knowledge of principles, operation, diagnoses and service of heating and air conditioning systems
- 9 Provide knowledge of principles, operation, diagnoses and service of automatic transmissions and transaxles

Course #	Course Title	PO - 1	PO - 2	PO - 3	PO - 4	PO - 5	PO - 6	PO - 7	PO - 8	PO - 9
ASTC-109	Brakes 1									
	Diagnose general brake systems		X				X			
	Diagnose and repair hydraulic systems		X				X			
	Drum brake diagnosis and repair		X				X			
ASTC-237	Brakes 2									
	Disc brake diagnosis and repair		X				X			
	Power assist units diagnosis and repair		X				X			

