

AUTOMOTIVE ASE TECHNICIAN, COA

Program Code: Automotive ASE Tech-CoA Program Description

The Certificate of Achievement, Automotive ASE Technician is a program for individuals who would like to enter the automotive repair industry with the core skills established by the automotive service excellence certification. The successful student will become a qualified entry-level technician with strong basic skills using the latest technology and repair equipment.

Automotive Career Map (<https://sites.tmcc.edu/flipbook/career-maps/>)

Recommended Course Schedule

1st semester		Units
AUTO 101	Introduction to General Mechanics (Certificate - Summer)	4
AUTO 111	Automotive Electricity	4
AUTO 112	Automotive Electricity II	4
OSH 222	General Industry Safety	1
Semester Total		13
2nd semester		Units
AUTO 136	Engine Repair	5
AUTO 145	Automotive Brakes	5
AUTO 150	Steering and Suspension Systems	5
Semester Total		15
3rd semester		Units
Communications ¹		3
AUTO 225	Engine Performance I	4
AUTO 227	Engine Performance II	4
AUTO 265	Electrical/Electronic Systems III	4
Semester Total		15
Total Units		43

¹ See approved General Education list for the AAS Degree. (<https://catalog.tmcc.edu/degrees-certificates/general-education/aas/>)

² See program recommendations or requirements.

Program Requirements

Certificates of Achievement can be a stepping stone to an associate degree or allow students to enter the workforce. Certificates of Achievement have a general education component.

To earn a Certificate of Achievement, students must:

1. Maintain a minimum cumulative GPA of 2.0 (see requirements for graduation.)
2. Complete a minimum of 15 semester credit hours within the college.

3. Satisfy General Education requirements for the Certificate of Achievement (<https://catalog.tmcc.edu/degrees-certificates/general-education/aas/>).
4. Have no financial or library obligation to the college.

Code	Title	Units
General Education Requirements		
Communications		3
Human Relations ¹		[3]
Requirement is satisfied through embedded curriculum in the following courses:		
AUTO 136	Engine Repair	
AUTO 145	Automotive Brakes	
AUTO 150	Steering and Suspension Systems	
AUTO 225	Engine Performance I	
AUTO 227	Engine Performance II	
Mathematics ¹		[3]
Requirement is satisfied through embedded curriculum in the following courses:		
AUTO 111	Automotive Electricity	
AUTO 136	Engine Repair	
AUTO 145	Automotive Brakes	
AUTO 150	Steering and Suspension Systems	
AUTO 225	Engine Performance I	
AUTO 227	Engine Performance II	
Certificate Requirements		
AUTO 101	Introduction to General Mechanics	4
AUTO 111	Automotive Electricity	4
AUTO 112	Automotive Electricity II	4
AUTO 136	Engine Repair	5
AUTO 145	Automotive Brakes	5
AUTO 150	Steering and Suspension Systems	5
AUTO 225	Engine Performance I	4
AUTO 227	Engine Performance II	4
AUTO 265	Electrical/Electronic Systems III	4
OSH 222	General Industry Safety	1
Total Units		43

Program Outcomes

Students completing the certificate will:

PSLO1: Identify and implement safety procedures involved in diagnosis, service, and repair of all major light vehicle components and systems.

PSLO2: Analyze and interpret diagnostic and test information to formulate correct repair procedures.

PSLO3: Demonstrate correct repair strategies and techniques by applying knowledge of system operation and demonstration of mechanical skills to accomplish repair tasks.