

Automotive Technology Certificate Curriculum Map

This curriculum map is designed to show how program learning outcomes are introduced, developed, and mastered across courses in the program. Use the following guidance when completing or reviewing the map:

Introduced: Indicates the course provides students with their first exposure to a concept or skill. At this stage, students are expected to demonstrate only a basic understanding.

Developed: Indicates that students gain more in-depth knowledge, practice, and reinforcement of the concept or skill. Students are expected to begin applying what they have learned with increasing independence.

Mastered: Indicates that students can independently and skillfully apply the outcome, demonstrating a high level of understanding and competence appropriate for graduation and entry into the workforce or a 4-year institution.

Courses are listed in rows and PLOs are in columns	Students will know how to properly mount and dismount tires.	Students will know how to measure disc and drums (brakes).	Students will demonstrate the ability to describe, locate, and repair all components of a manual transmission.	Students will demonstrate the ability to describe, locate, and repair all components of an automatic transmission.	Students will demonstrate the ability to describe, locate, and repair a gas automobile engine	Students will demonstrate the ability to describe, locate, and repair the components of an automobile electrical system.	Students will demonstrate the ability to describe, locate, and repair the components of the automobile steering and suspension system
AUTO100 Automotive Fundamentals	Mastered	Introduced	Introduced	Introduced	Introduced	Introduced	Introduced
AUTO110 Automotive Electrical	Not Addressed	Not Addressed	Not Addressed	Not Addressed	Not Addressed	Mastered	Mastered
AUTO135 Brakes	Developed	Mastered	Not Addressed	Not Addressed	Not Addressed	Not Addressed	Not Addressed
AUTO154 Steering and Suspension	Not Addressed	Not Addressed	Not Addressed	Not Addressed	Not Addressed	Not Addressed	Mastered
AUTO120 Engine Repair	Not Addressed	Not Addressed	Introduced	Introduced	Developed	Introduced	Not Addressed
AUTO125 Engine Performance	Not Addressed	Not Addressed	Introduced	Introduced	Mastered	Introduced	Introduced
AUTO108 Manual Transmissions and Drivetrain	Not Addressed	Not Addressed	Mastered	Not Addressed	Not Addressed	Not Addressed	Not Addressed
AUTO128 Automatic Transmissions and Drivetrain	Not Addressed	Not Addressed	Not Addressed	Mastered	Not Addressed	Not Addressed	Not Addressed