

# Automotive Technician

COURSE NUMBER	COURSE NAME	COURSE DESCRIPTION
AUT1-000 AUT2-000 AUT3-000 AUT4-000	Employability	This course is designed to identify, improve, track and acknowledge traits and performance specific to improved employability in the chosen field of Automotive Technology. Course will be offered in all four terms and will be directive in timeliness, cleanliness, attention, listening, learning and general ability to be prepared to enter the workforce.
AUT1-0200	Introduction to Automotive	This course is designed to prepare students for ASE Automotive Certification. It will provide an in-depth foundation of automotive principles and operations. It stresses the development of strong conventional automotive repair operations followed by preparation to take the AES certification.
AUT1-0100	Brake Systems	This course covers the basic operation of automotive braking systems; including operation, diagnosis, and basic repair of disc brakes, drums brakes, and basic hydraulic systems. The program also covers repair information, detailed assembly, cleaning, inspection, and adjustment procedures.
AUT2-0100	Electrical/Electronic Systems	This course is designed to detail the operation, diagnosis, and repair of the major electrical systems. The course starts with the battery, the source of initial electrical energy, and progresses through the starting, charging, ignition, and other systems. This course matches requirements as established by National Institute for Automotive Service Excellence (ASE).
AUT2-0200	Engine Performance I	These courses are designed to describe common engine performance problems, detail their causes, and learn how each can be corrected. The course teaches how to use advanced diagnostic tools to find problems in the engine and related systems. The student will also learn how to tune an engine. This course matches requirements as established by National Institute for Automotive Service Excellence (ASE).
AUT3-0100	Suspension/Steering	This course is designed to detail the operation, construction, service, and repair of everything from tires to anti-lock brake systems. This course contains information that will help to make

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		students better chassis technicians. This course matches requirements as established by National Institute for Automotive Service Excellence (ASE).
<b>AUT3-0200</b>	<b>Heating and Air Conditioning</b>	This course is designed to explain the operation, service, and repair of heating and air conditioning systems. The course details state-of-the-art methods for repairing these systems without damaging our environment. This course matches requirements as established by National Institute for Automotive Service Excellence (ASE).
<b>AUT3-0300</b>	<b>Manual Drive Train &amp; Axle</b>	This course is designed explain the construction, operation, and repair of all types of automotive drive trains. The student will learn about front-wheel drive, rear-wheel drive, and all –wheel drive. The material covered in this course will give students the knowledge needed to work on any make or model car, truck, or sport utility vehicle. This course matches requirements as established by National Institute for Automotive Service Excellence (ASE).
<b>AUT4-0100</b>	<b>Engine Performance II</b>	These courses are designed to describe common engine performance problems, detail their causes, and learn how each can be corrected. The course teaches how to use advanced diagnostic tools to find problems in the engine and related systems. The student will also learn how to tune an engine. This course matches requirements as established by National Institute for Automotive Service Excellence (ASE).
<b>AUT4-0200</b>	<b>Engine Repair</b>	This course is designed to detail the construction and operation of late-model automotive engines. Students will review the four-stroke cycle, explain the names and locations of major parts, describe design variations, and detail engine size and performance measurements. This course matches requirements as established by National Institute for Automotive Service Excellence (ASE).
<b>AUT4-0300</b>	<b>Automatic Transmission/Transaxle</b>	This course is designed to explain diagnostics of electronics, pressure readings, fluid changes. Students will learn the diagnostics of sensors and all electronic components. This course matches requirements as established by National Institute for Automotive Service Excellence (ASE).

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<b>AUT4-0400</b>	<b>Work Based Learning</b>	Hands-on experience through servicing customer's vehicles.
<b>AUT4-0500</b>	<b>ASE Certification Prep and Testing</b>	