

## Contact Us:

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## Program Overview

With concern for automotive efficiency, the cost of fuel, vehicle repairs and service growing yearly, the role of the automotive technician increases in importance. The student is trained to perform quality maintenance, diagnosis and repair of complex modern vehicles. Classrooms and shop areas are equipped with the latest tools and equipment for automotive diagnosis and repair.

## PROGRAM REQUIREMENTS

### A.A.S., Major in Automotive Technology

With concern for automotive efficiency, the cost of fuel, vehicle repairs and service growing yearly, the role of the automotive technician increases in importance.

The student is trained to perform quality maintenance, diagnosis and repair of complex modern vehicles. Classrooms and shop areas are equipped with the latest tools and equipment for automotive diagnosis and repair.

Students will train in eight areas of automotive service: engine repair, engine performance, electrical and electronic systems, manual drive train and axles, automatic transmission/transaxles, suspension and steering systems, brakes and heating and air conditioning. Maintenance and repair experience will duplicate those skills needed upon employment. Upon completion of 63 credit hours, a graduate will be awarded an Associate in Applied Science with a major in Automotive Technology.

**NOTE:** New students must obtain all tools on the list of required tools and attend the Automotive Technology program safety orientation and successfully pass the safety test before the start of class. See the automotive program coordinator or an automotive instructor to obtain the tool list. Educational discounts are available from participating tool vendors.

## GENERAL EDUCATION COURSES

COURSES	CREDIT HOURS
ENG 165 Professional Communications.....	3.0
or ENG 101 English Composition I	
MAT 170 Algebra, Geometry and Trigonometry I.....	3.0
SPC 205 Public Speaking .....	3.0
Elective Behavioral/Social Science.....	3.0
Elective Humanities/Fine Arts .....	3.0

**SUBTOTAL: 15.0**

## REQUIRED CORE SUBJECT AREAS

COURSES	CREDIT HOURS
AUT 101 Engine Fundamentals.....	3.0
AUT 112 Braking Systems.....	4.0
AUT 116 Manual Transmission and Axle .....	4.0
AUT 122 Suspension and Alignment .....	4.0
AUT 132 Automotive Electricity.....	4.0
AUT 141 Introduction to Heating and Air Conditioning.....	4.0

**SUBTOTAL: 23.0**

## OTHER COURSES REQUIRED FOR GRADUATION

COURSES	CREDIT HOURS
AUT 102 Engine Repair.....	4.0
AUT 145 Engine Performance .....	3.0
AUT 152 Automatic Transmission .....	4.0
AUT 156 Automotive Diagnosis and Repair .....	4.0
AUT 157 Shop Management and Supervision .....	3.0
AUT 231 Automotive Electronics .....	4.0
AUT 275 Alternate Technology Vehicles.....	3.0

**SUBTOTAL: 25.0**

**TOTAL CREDIT HOURS: 63.0**

## Automotive Fundamentals Certificate

The Automotive Fundamentals certificate provides a fundamental understanding of diagnosis and repair service for the engine, automatic transmission, brake, heating and air conditioning, suspension and steering and electrical systems. The certificate will provide the first step towards the completion of an Associate in Applied Science with a major in Automotive Technology. The courses will be assessed using applicable NATEF metrics.

### REQUIRED COURSE INFORMATION

COURSES	CREDIT HOURS
AUT 101 Engine Fundamentals.....	3.0
AUT 102 Engine Repair.....	4.0
AUT 112 Braking Systems.....	4.0
AUT 116 Manual Transmission and Axle .....	4.0
AUT 122 Suspension and Alignment .....	4.0
AUT 132 Automotive Electricity.....	4.0
AUT 141 Introduction to Heating and Air Conditioning.....	4.0
AUT 145 Engine Performance .....	3.0
AUT 152 Automatic Transmission .....	4.0

SUBTOTAL: 34.0

TOTAL CREDIT HOURS: 34.0

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