
Certificate in AUTOMOTIVE TECHNOLOGY

The Certificate Program in Automotive Technology is a competency-based program designed to offer entry-level training for automotive mechanics positions. Automotive technology incorporates high technology applications requiring specialized knowledge and skills for the various components of the automobile.

Related occupations requiring automotive training include diesel mechanics, small engine repair, generator repair, marine engine service, fleet service, automotive parts persons, repair service order writers, assistant, and service managers. Graduates of the automotive technology certificate program can do further study in power plant mechanics, marine, or diesel repair or automotive engineering in the automotive manufacturing industry.

Course requirements may identify prerequisites that must be completed with a passing grade. Prerequisite course credits are not counted as credits earned towards the program unless it is a certificate core course requirement. Prerequisites are identified in the course description section of this catalog, and below with a + sign next to each course with a prerequisite.

A. General Education Requirements

Students must demonstrate proficiency in reading, writing, understanding and speaking English as indicated by one of the following:

- Test out of the English Placement Test, or
- Satisfactory completion of EN100 courses, and
- Satisfactory completion of MA108 or test out of the math placement test.

COURSE# COURSE	CREDITS
EN100R Fundamentals of English-Reading	-
EN100W Fundamentals of English-Writing	-
MA108 Introduction to College Algebra I or higher +	3
Total General Education Requirements	3

B. Technical Requirements

COURSE# COURSE	CREDITS
ME150A Automotive Service I	3
ME150B Automotive Service II	3
ME177A Engine Tune-up (No Fuel or Emission)	3
ME177B Engine Fuel & Emissions Systems	3
Total Technical Requirements	12

C. Related General Education & Technical Requirements

COURSE# COURSE	CREDITS
WE105 Fundamentals of Oxyacetylene Welding & Cutting	3
Total Related General Education & Technical Requirements	3

D. Areas of Concentration

Fifteen credit hours must be completed in one of the two following areas:

COURSE# COURSE	CREDITS
<i>I. Automobile</i>	
Required Courses	
ME165 Automobile Brake Systems+	3
ME166 Steering & Suspension Systems	3
ME175 Automotive Electrical Systems	3
Complete at least six credits from the following courses:	
ME161A Introduction to Auto Body Repair	3
ME167 Automobile Drive Trains	3
ME168A Automobile Transmissions I	3
ME168B Automobile Transmissions II +	3

ME176 Heating & Air Conditioning Systems	3
ME178A Gasoline Engine Repair I	3
ME178B Gasoline Engine Repair II	3
ME198 Co-Op/Work-Learn	3

Total Automobile Concentration Requirements **15**

2. Truck

Required Courses

ME191 Truck Brakes	3
ME192 Truck Suspension & Steering	3
ME194 Truck Electrical Systems	3

Complete at least six credits from the following courses:

ME161A Introduction to Auto Body Repair	3
ME176 Heating & Air Conditioning Systems	3
ME193 Truck Drive Trains	3
ME195A Truck Gasoline Engine Repair I	3
ME195B Truck Gasoline Engine Repair II	3
ME196A Diesel Engine Repair I	3
ME196B Diesel Engine Repair II	3

Total Truck Concentration Requirements **15**

TOTAL CREDITS REQUIRED **33**