



Automotive Service Technology

Course Listing
Diploma Requirements

Total number of credits: 64

Short Description of program including the occupations and any certification exam the program prepares students for etc.

Program Description: This program provides workplace safety training and prepares the student to perform automotive repairs in the following areas: tire service, lubrication, exhaust, body electrical, starting and charging systems, brakes, steering and suspension, wheel alignment, standard drive train, automatic transmission, engine repair and diagnosis, cooling system, emission control, computer systems, fuel injection, engine performance maintenance, supplemental restraint systems, and air conditioning. The student will receive training to take the (ASE) Certification Tests in the following areas: Electrical/Electronic Systems, Brakes, Suspension and Steering, Manual Drive Train and Axles, Automatic Trans/Transaxle, Engine Repair, Engine Performance, and Heating and Air Conditioning.

Application Requirements: Assessment score placement in RDNG 0090 or completion of RDNG 0080 with a grade of "C" or higher; assessment score placement in MATH 0030 or completion of MATH 0010 with a grade of "C" or higher; assessment score placement in ENGL 0090 or completion of ENGL 0080 with a grade of "C" or higher. An Automotive Service Technology program application must be completed and submitted to admissions before entering the program.

Career/Occupational Requirements:

Discipline/Number	Title	Credit #	Prerequisite
AST 1005	Automotive Workplace Safety	1	None
AST 1015	Automotive Brakes	4	AST 1005
AST 1025	Steering and Suspension Systems	3	AST 1005
AST 1035	Four Wheel Alignment	4	AST 1025
AST 1045	Standard Drive Train	4	AST 1035
AST 1055	Automotive Service	2	AST 1005
AST 1065	Electrical Principles	3	AST 1005
AST 1075	Body Electrical Systems	2	AST 1065
AST 1085	Starting and Charging Systems	4	AST 1075
AST 1095	Automatic Transmissions	4	AST 1085
AST 2005	Automotive Engines	4	Completion of all AST 1000 level courses
AST 2015	Engine Diagnosis	3	AST 2005
AST 2025	Cooling System Service	2	AST 2015
AST 2035	Emission Control	3	AST 2025
AST 2045	Computerized Engine Control	4	AST 2035
AST 2055	Electronic Fuel Injection	2	AST 2045
AST 2065	Engine Performance Maintenance	4	AST 2055
AST 2075	Supplemental Computer Systems	2	AST 2065
AST 2085	Air Conditioning	3	AST 2075
AST 2095	New Automotive Technology	3	Completion of all AST 1000 level courses

Additional Requirements: 3 credits

WLDG 1001	Intro to Oxyacetylene Welding	2	None
WLDG 1011	Intro to Metal Inert Gas Welding	1	None

OR

MNTC		3	None
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