

CERTIFICATE OF ACHIEVEMENT

This Certificate program prepares students for entry level careers as engine performance diagnostic technicians. Completion will prepare the student to be knowledgeable and proficient in safe operational procedures, use of hand and power tools, and use of lab and advanced diagnostic equipment including DVOM's, scan tools, digital storage oscilloscopes, electronic service information, as well as having a basic knowledge of the automotive industry as a whole. Students will perform diagnosis and repair of electrical systems including battery, starting and charging; engine related service procedures, driveability diagnosis, and diagnosis of vehicle computer network systems and body control computers. Student will be knowledgeable in alternative fueled vehicle service techniques as related to the driveability area. Students will also be prepared to obtain a State of Nevada Class 1G smog inspector license.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- The student will understand, identify and implement safe working procedures.
- The student will obtain a Nevada Class 1G smog certification.
- The student will successfully pass the ASE/NATEF End of Program (EOP) exams or the ASE Certification exams in the following areas: Electrical, Engine Repair, Engine Performance.

GENERAL EDUCATION REQUIREMENTS (3 Credits):

	CR	SEMESTER
COMMUNICATIONS: BUS 108, COM 101, 102, 215, ENG 100, 101, 102, 107, 113, 114, 205, JOUR 102, THTR 105	3-5	_____

SPECIAL PROGRAM REQUIREMENTS (31 Credits):

	CR	SEMESTER
AUTO 105B Automotive Maintenance I	4	_____
AUTO 115B Automotive Electricity and Electronics I	4	_____
AUTO 117B Advanced Automotive Electronics	4	_____
AUTO 136B Engine Repair	5	_____
AUTO 225B Engine Performance I	4	_____
AUTO 227B Engine Performance II	4	_____
AUTO 235B Engine Performance III	4	_____
AUTO 240B Nevada 1G Emission Inspection Preparation	2	_____

Computation included in AUTO 115B

Human Relations included in AUTO 115B

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree. AUTODIAGCT

34
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

Guided Pathway
Certificate of Achievement – (CA)
AUTOMOTIVE TECHNOLOGY-DIAGNOSTIC SPECIALIST
Total Credits 34

First Semester	Requirement	Credit Hours	Term
BUS 108	Communications	3	
AUTO 105B	Automotive Maintenance I	4	
AUTO 115B	Automotive Electricity/Electronics I	4	
AUTO 117B	Advanced Automotive Electronics	4	
	TOTAL	15	
Second Semester	Requirement	Credit Hours	Term
AUTO 136B	Engine Repair	5	
AUTO 240B	NV 1G Emission Inspection Preparation	2	
	TOTAL	7	
Third Semester	Requirement	Credit Hours	Term
AUTO 225B	Engine Performance I/Fuel/Ignition	4	
AUTO 227B	Engine Performance II/Emissions Control	4	
AUTO 235B	Engine Performance III/Diagnostics	4	
	TOTAL	12	
	Certificate TOTAL	34	