ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

This degree program, one of the largest of its kind in the west, prepares students for lucrative careers as automotive technicians, as well as related automotive occupations. Master Accredited by ASE/NATEF, instruction is provided on state-of-the-art equipment in both classrooms and labs. ASE Master Certified technicians provide all instruction, with the focus on understanding automotive systems operation and how to effectively and efficiently diagnose and service these systems. Additionally, emphasis is placed on preparing students to personally pass ASE certification exams. Integral to the program is an internship component that provides students with current industry experience. Partnerships exist with many major automobile, tool and equipment manufacturers. Along with special program courses, academic skills emphasizing related math, science, communication and human relations components are stressed to prepare students to succeed in the workforce.

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

- Demonstrate diagnostic and repair routines as related to the eight major systems of the automobile.
- Successfully pass the eight ASE certification examination.
- Demonstrate knowledge in the use of both printed and electronic repair information and service literature.
- Demonstrate use of both and PC based computerized diagnostic equipment.
- Demonstrate understanding of diagnostic and repair literature.

GENERAL EDUCATION REQUIREMENTS (25 Credits):

	CR	SEMESTER
COMMUNICATIONS: BUS 108, COM 101, 102, 215, ENG 100, 101, 102, 107, 113, 114, 205, JOUR 102, THTR 105	3-5	_____
ENGLISH: ENG 100, 101, 107, 113	3-5	_____
HUMAN RELATIONS: ALS 101, ANTH 101, 112, 201, 205, HIST 105, 106, 107, 150, 151, 210, 247, 260, HMS 130, 135B, 265B, MGT 100B, 283, PHIL 135, PSC 201, PSY 101, 102, 207, 208, 261, SOC	3	_____
MATHEMATICS: MATH 116 or above (except MATH 122, 123)	3	_____
SCIENCE: AST, BIOL, CHEM, EGG 131, 132, ENV, GEOG 103, 104, 117, GEOL, HHP 123B, 124B, PHYS	6	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES: AM, ANTH, ART, COM, ECON, ENG 223 or above, GEOG 106 or above, HIST, International Languages, Music, PHIL, PSC, PSY, SOC, THTR, WMST 113	3	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____

SPECIAL PROGRAM REQUIREMENTS (50 Credits):

		CR	SEMESTER
AUTO 115B	Automotive Electricity and Electronics I	4	_____
AUTO 117B	Advanced Automotive Electronics	4	_____
AUTO 136B	Engine Repair	5	_____
AUTO 145B	Automotive Brakes	4	_____
AUTO 155B	Steering and Suspension	4	_____
AUTO 165B	Automotive Heating and Air Conditioning	4	_____
AUTO 205B	Manual Drive Train and Axles	4	_____
AUTO 216B	Automatic Transmissions	5	_____
AUTO 225B	Engine Performance I/ Fuel and Ignition	4	_____
AUTO 227B	Engine Performance II/ Emission Control	4	_____
AUTO 235B	Engine Performance III/ Diagnostics	4	_____
AUTO 245B	Power Train Removal and Replacement	4	_____

ASSOCIATE OF APPLIED SCIENCE

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

AUTO-AAS **75** 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
Associate of Applied Science Degree (AAS)
Automotive Technology
Total Credits 75

First Semester	Requirement	Credit Hours	Term
ENG 100, 101, 107 or 113	English	3	
ALS 101	Human Relations	3	
AUTO 105B	Automotive Maintenance I	4	
AUTO 115B	Automotive Electricity/Electronics I	4	
AUTO 117B	Advanced Automotive Electronics	4	
	TOTAL	18	
Second Semester	**Requirement**	**Credit Hours**	**Term**
BUS 108	Communications	3	
AUTO 136B	Engine Repair	5	
AUTO 145B	Automotive Brakes	4	
AUTO 155B	Steering/Suspension	4	
	TOTAL	16	
Third Semester	**Requirement**	**Credit Hours**	**Term**
MATH 116 or Higher	Mathematics	3	
AUTO 165B	Automotive Heating/Air Conditioning	4	
AUTO 205B	Manual Drivetrain/Axles	4	
AUTO 216B	Automotive Transmissions	5	
	TOTAL	16	
Fourth Semester	**Requirement**	**Credit Hours**	**Term**
SCIENCE		3	
Fine Arts/Humanities		3	
AUTO 225B	Engine Performance/Fuel/Ignition	4	
AUTO 227B	Engine Performance II/Emission Control	4	
AUTO 235B	Engine Performance III/Diagnostics	4	
	TOTAL	18	
Fifth Semester	**Requirement**	**Credit Hours**	**Term**
Science		3	
PSC 101	US/NEVADA Constitutions	4	
AUTO 245B	Power Train Removal/Replacement	4	
	TOTAL	11	
	Degree TOTAL	75	