

PROGRAM DESCRIPTION

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

- 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.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (25 CREDITS)

	CR	SEMESTER
MATHEMATICS MATH 116 or above (except MATH 122, 123)	3	_____
ENGLISH COMPOSITION ENG 100 or 101 or 107 or 113	3-5	_____
COMMUNICATIONS BUS 108; COM 101, 102, 215; ENG 100, 101, 102, 107, 113, 114, 205; JOUR 102; THTR 105	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 101 or above	3	_____
NATURAL SCIENCE AST 101 or above; BIOL 101 or above; CHEM 103 or above; EGG 131, 132; ENV 101 or above; GEOG 103, 104, 117; GEOL 100 or above; HHP 123B, 124B; PHYS 110 or above	6	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCE AM 145 or above; ANTH 101 or above (except 102); ART 101 or above; COM 101 or above; ECON 100 or above; ENG 223 or above; GEOG 106 or above; HIST 101 or above; International Languages 101B or above; MUS 101 or above; PHIL 101 or above; PSC 101 or above; PSY 101 or above; SOC 101 or above; THTR 100 or above; 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	_____

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
 - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



**ASSOCIATE OF APPLIED SCIENCE
AUTOMOTIVE TECHNOLOGY**
2015-2016

The following is a suggested pathway, or course sequence by term, for this academic program. The following factors may affect the time it takes to complete the pathway as listed:

- The term (fall, spring, summer) in which the student enters the program because class availability varies by term.
- Where the student placed in the Math and English course sequence (i.e. taking courses below 100) and completion of course pre-requisites.
- Meeting with the student's designated program counselor or advisor to determine academic readiness to succeed in a particular course. Use of appropriate services (writing center, math resource center, etc.) may be in order to support successful course completion.

First Semester	Requirement	Credit Hours	Term
Gen. Ed. English Composition Requirement	ENG 100 or 101 or 107 or 113	3-5	
Gen. Ed. Human Relations Requirement	See degree sheet for course choices	3	
<i>Prerequisite</i>	<i>AUTO 105B Automotive Maintenance I¹</i>	(4)	
Special Program Requirements	AUTO 115B Automotive Electricity and Electronics I	4	
	AUTO 117B Advanced Automotive Electronics	4	
	Semester Total	14(18)-16(20)	
Second Semester	Requirement	Credit Hours	Term
Gen. Ed. Communications Requirement	See degree sheet for course choices	3	
Special Program Requirements	AUTO 136B Engine Repair	5	
	AUTO 145B Automotive Brakes	4	
	AUTO 155B Steering and Suspension	4	
	Semester Total	16	
Third Semester	Requirement	Credit Hours	Term
Gen. Ed. Mathematics Requirement	MATH 116 or above (except MATH 122, 123)	3	
Special Program Requirements	AUTO 165B Automotive Heating and Air Conditioning	4	
	AUTO 205B Manual Drivetrain and Axles	4	
	AUTO 216B Automatic Transmissions	5	
	Semester Total	16	
Fourth Semester	Requirement	Credit Hours	Term
Gen. Ed. Natural Science Requirement	See degree sheet for course choices	3	
Gen. Ed. Fine Arts/Humanities/Social Science Req.	See degree sheet for course choices	3	
Special Program Requirements	AUTO 225B Engine Performance I/Fuel and Ignition	4	
	AUTO 227B Engine Performance II/Emission Control	4	
	AUTO 235B Engine Performance III/Diagnostics	4	
	Semester Total	18	
Fifth Semester	Requirement	Credit Hours	Term
Gen. Ed. Natural Science Requirement	See degree sheet for course choices	3	
Gen. Ed. US/NV Constitutions Requirement	PSC 101 Introduction to American Politics	4	
Special Program Requirements	AUTO 245B Power Train Removal and Replacement	4	
	Semester Total	11	
	Pathway Course Total	75(79)-77(81)	
	Degree Total	75	

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¹This is a prerequisite course in order to take AUTO 115B, 136B, 155B, 205B. Program requires students to complete this course during the first semester.