

## Auto Maintenance and Light Repair

CERTIFICATE OF ACHIEVEMENT (CoA)

REQUIRED CREDITS: 32

DEGREE CODE: AUTOMAINTCT

### DESCRIPTION

This program prepares students for entry level careers as maintenance and light repair technicians. Students completing this Certificate will be able to repair battery, starting, charging and electrical system malfunctions, brake, steering, suspension and air conditioning systems, and perform engine mechanical diagnosis and maintenance related engine service. Students will be knowledgeable and proficient in safe operating procedures in the lab, in the use of hand and power tools, DVOM's scan tools, electronic service information systems, and in general knowledge of the automotive industry. Students will be knowledgeable in special maintenance techniques related to alternative fueled and hybrid electric vehicles. Students will also be qualified to obtain a Nevada Class 1G smog inspector licensure.

### STUDENT LEARNING OUTCOMES

- Understand, identify, and implement safe working procedures and successfully pass the SP/2 examinations.
- Prepare to obtain a Nevada Class 1G smog certification.
- Prepare to take the following ASE/NATEF certification exams: ASE A1, ASE A4, ASE A5, ASE A6, and ASE A7

**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 (3 CREDITS)

#### COMMUNICATIONS (3-5 credits)

Recommended: COM 115 Applied Communication

### SPECIAL PROGRAM REQUIREMENTS (29 CREDITS)

AUTO 105B Automotive Maintenance I	2
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 240B Nevada 1G Emission Inspection Preparation	2

Computation included in AUTO 115B

Human Relations included in AUTO 115B

### FULL-TIME STUDENT DEGREE PLAN

*Plan can be modified to fit the needs of part-time students by adding more semesters.*

FIRST SEMESTER	Credits
COM 115 Applied Communication	3
AUTO 105B Automotive Maintenance I	2
AUTO 115B Automotive Electricity and Electronics 1 <sup>1</sup>	4
AUTO 240B Nevada 1G Emission Inspection Preparation	2
<b>TOTAL CREDITS</b> .....	<b>11</b>
SECOND SEMESTER	Credits
AUTO 117B Advanced Automotive Electronics	4
AUTO 136B Engine Repair	5
AUTO 165B Automotive Heating and Air Conditioning	4
<b>TOTAL CREDITS</b> .....	<b>13</b>
THIRD SEMESTER	Credits
AUTO 145B Automotive Brakes	4
AUTO 155B Steering and Suspension	4
<b>TOTAL CREDITS</b> .....	<b>8</b>
<b>DEGREE PLAN TOTAL CREDITS</b> .....	<b>32</b>

<sup>1</sup>Prerequisite AUTO 105. Contact the department of Applied Technologies for permission to complete this class in this semester.

- 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](http://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.

