



## Carson High School Automotive Technology Program of Study



### Major Career Options

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|---|---|--|--|
| <ul style="list-style-type: none"> <li>Collision Repair Technician</li> <li>Parts Specialist</li> </ul> | <ul style="list-style-type: none"> <li>Automobile Refinisher</li> <li>Service Technician</li> </ul> | <ul style="list-style-type: none"> <li>Independent Shop Owner</li> <li>Mechanic</li> </ul> | <ul style="list-style-type: none"> <li>Insurance Adjuster</li> <li>Automotive Machinist</li> </ul> |
|---|---|--|--|

**CTE Diploma Course Requirements:** To qualify for this certificate, the student must (1) earn a 3.0 GPA or higher in the career and technical education (CTE) course sequence; (2) pass the state CTE assessment for Automotive Technology; and (3) pass the state CTE assessment for the Employability Skills for Career Readiness.

*Yellow: General Graduation Requirements    Blue/bold: Recommended Automotive Technology Pathway    Green/italics: Recommended Electives*

Career Cluster: Skilled and Technical Sciences		Career Pathway: Automotive Technology	
9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade
<i>Semester 1&amp;2</i>	<i>Semester 1&amp;2</i>	<i>Semester 1&amp;2</i>	<i>Semester 1&amp;2</i>
English I or Honors English I	English II or Honors English II	Junior Level English with Honors and Advanced Placement classes available	Senior Level English with Honors and Advanced Placement classes available
Discovery Science	Biology or Honors Biology	Junior Level Science with Honors and Advanced Placement classes available	Elective
Algebra I or Honors Geometry	Geometry or Honors Algebra II	Algebra II or Honors Trigonometry/Pre-Calculus	Trigonometry/Pre-Calculus or Advanced Placement Calculus
Freshmen Transitions and Health	World History or Honors World History	U.S. History/Honors and Advanced Placement U.S. History	Government/Honors and Advanced Placement Government
Physical Education or NJROTC	Physical Education or NJROTC	Elective or Foreign Language	Elective or Foreign Language
<i>Elective</i>	<i>Elective</i>	<i>Welding I, Collision Repair I, CADD I</i>	<i>Welding II, Collision Repair II, CADD II</i>
<b>Automotive Technology I</b>	<b>Automotive Technology II</b>	<b>Automotive Technology III</b>	<b>Automotive Technology A.S.</b>
<b>Work-Based Learning Opportunities</b>	<b>College Credit/Tech Prep</b>	<b>Career-Technical Student Organizations (CTSOs) and Clubs</b>	<b>CTE Assessments</b>
<ul style="list-style-type: none"> <li>Career Awareness</li> <li>Cooperative Education</li> <li>Job Shadowing</li> <li>Paid/Unpaid Internship</li> <li>School-Based Enterprise</li> <li>Service Learning</li> </ul>	<p><b>WNC</b></p> Auto 101B- Introduction to General Mechanics Auto 111B- Auto Electricity & Electronics I Auto 220B- Engine Performance	<ul style="list-style-type: none"> <li>SkillsUSA</li> <li>Automotive Service Technology</li> <li>Ford/AAA Troubleshooting</li> </ul>	<ul style="list-style-type: none"> <li>State End of Program Technical Assessment for Automotive Technology</li> <li>State Employability Skills for Career Readiness Assessment</li> </ul>

Post-Secondary Options			
Two-Year College or Proprietary Program	Apprenticeships	Four-Year College and University Programs	Certifications, Licenses, etc.
<p>Western Nevada College</p> <ul style="list-style-type: none"> <li>• Associate of Applied Science</li> <li>• Certificate of Achievement</li> </ul> <p><a href="http://www.wnc.edu">www.wnc.edu</a></p> <p>Truckee Meadows Community College</p> <ul style="list-style-type: none"> <li>• Associate of Applied Science</li> <li>• Certificate of Achievement</li> </ul> <p><a href="http://www.tmcc.edu">www.tmcc.edu</a></p> <p>Great Basins College</p> <p><a href="http://www.gbc.edu">www.gbc.edu</a></p> <p>Community College of Southern Nevada</p> <p><a href="http://www.ccsn.edu">www.ccsn.edu</a></p> <p>UTI</p> <p>WyoTech</p> <p>For more information of these programs go to</p> <p><a href="http://www.uticorp.com">www.uticorp.com</a></p> <p><a href="http://www.wyotech.com">www.wyotech.com</a></p>		<p>University of Nevada Reno</p> <ul style="list-style-type: none"> <li>• Mechanical Engineering</li> </ul> <p>Weber State University- Utah</p> <p>Montana State University- Northern</p> <p>For more information of these programs go to</p> <p><a href="http://www.unr.edu">www.unr.edu</a></p> <p><a href="http://www.weber.edu">www.weber.edu</a></p> <p><a href="http://www.msunorthern.edu">www.msunorthern.edu</a></p>	<p><b>ASE</b></p> <p>A-1 Engine Repair</p> <p>A-2 Automatic Transmission/Axles</p> <p>A-3 Manual Drive Train &amp; Axles</p> <p>A-4 Suspension &amp; Steering</p> <p>A-5 Brakes</p> <p>A-6 Electrical/Electronic Systems</p> <p>A-7 Heating &amp; Air Conditioning</p> <p>A-8 Engine Performance</p> <p>ASE Certification</p> <p>Ford ASSET</p> <p>General Motors ASEP</p> <p>Chrysler CAP</p> <p>Toyota T-TEN</p> <p>BMW STEP</p>

**This Program of Study is based upon the requirements needed for a CTE Diploma. Academic course names may vary among school districts. All students must pass the high school proficiency exams to qualify for any high school diploma.**

Electives may include arts and humanities courses or other career and technical education courses that relate to the program of study.

Foreign Language courses are recommended if a student is planning on entering a university. (See individual university admission policies)

CTE Assessments will be administered during the completion of Web Design and Development III course.

For extensive career information visit <http://www.nvcis.intocareers.org/>

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