



## Carson High School Welding Technology Program of Study



### Major Career Options

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|--|---|--|---|
| <ul style="list-style-type: none"> <li>Sheet Metal Worker,</li> <li>Plumber,</li> <li>Pipe Fitter,</li> <li>Iron Worker</li> </ul> | <ul style="list-style-type: none"> <li>Mechanical Engineer</li> <li>Entrepreneur Machinist</li> <li>CNC Machine Operator</li> <li>Millwright</li> </ul> | <ul style="list-style-type: none"> <li>Automotive Technology</li> <li>Auto Body</li> <li>Air Craft Mechanic</li> <li>Welder</li> </ul> | <ul style="list-style-type: none"> <li>Mining</li> <li>Structural Metal Worker</li> <li>Welding Engineer</li> <li>Wild Inspector</li> </ul> |
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**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 Welding Technology; and (3) pass the state CTE assessment for the Employability Skills for Career Readiness.

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

Career Cluster: Skilled and Technical Sciences		Career Pathway: Welding 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	Physical Education	Elective or Foreign Language	Elective or Foreign Language
<i>Elective</i>	<i>Elective</i>	<i>Auto Body I</i>	<i>Auto Body II</i>
<b>Welding Technology I</b>	<b>Welding Technology II</b>	<b>Welding Technology III</b>	<b>Welding 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 style="text-align: center;"><b>WNC</b></p> Welding 211 Welding 221 Welding 231B	<ul style="list-style-type: none"> <li>Skills USA</li> </ul>	<ul style="list-style-type: none"> <li>State End of Program Technical Assessment for Welding 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	Certificates, Licenses, etc.
Western Nevada College (AAS) <ul style="list-style-type: none"> <li>Weld Certification</li> <li>WyoTech</li> </ul> Truckee Meadows College (AAS) <ul style="list-style-type: none"> <li>Weld Certification</li> <li>Truckee Meadows College – Certificate of Achievement</li> <li>UTI</li> </ul>	J A T C Joint Apprenticeship Training Committee	University of Reno  University Nevada Las Vegas	

**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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