



## Carson High School Ornamental Horticulture/ Greenhouse Management Program of Study



### Major Career Options

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|--|---|---|--|
| <ul style="list-style-type: none"> <li>• Agricultural Chemical Dealer</li> <li>• Bank/Loan Office</li> <li>• Park or Farm Manager</li> </ul> | <ul style="list-style-type: none"> <li>• Natural Resources Manager</li> <li>• Plant Pathologist</li> <li>• Landscaper or Landscape Architect</li> </ul> | <ul style="list-style-type: none"> <li>• Botanist or Plant Breeder</li> <li>• Soil and Water Specialist</li> <li>• Golf Course Manager</li> </ul> | <ul style="list-style-type: none"> <li>• Ecologist or Tree Surgeon</li> <li>• Greenhouse Manager</li> <li>• Agricultural Educator</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 Greenhouse Management; and (3) pass the state CTE assessment for the Employability Skills for Career Readiness.

*Yellow: General Graduation Requirements*

*Blue/bold: Recommended Ornamental Horticulture/Greenhouse Management Pathway*

*Green/italics: Recommended Elective*

<b>Career Cluster: Agriculture and Natural Resources</b>		<b>Career Pathway: Ornamental Horticulture/Green House Management</b>	
<b>9<sup>th</sup> Grade</b>	<b>10<sup>th</sup> Grade</b>	<b>11<sup>th</sup> Grade</b>	<b>12<sup>th</sup> Grade</b>
<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>Elective</i>	<i>Elective</i>
<b>Ag. Science I or Horticulture Science I</b>	<b>Plant Science and Ornamental Horticulture</b>	<b>Greenhouse Management</b>	<b>Work Experience/Internship</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>• AmeriCorps Volunteer</li> <li>• Service Learning</li> <li>• Internship</li> </ul>	Possible Articulated Courses: <ul style="list-style-type: none"> <li>• Articulation agreements in process with Great Basin College</li> </ul>	<ul style="list-style-type: none"> <li>• Future Farmers of America</li> </ul>	<ul style="list-style-type: none"> <li>• End of Program Technical Assessment for Greenhouse Management</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	Training Certificates, Licenses, etc.
Great Basin College - Elko		University of Nevada Reno Utah State – Logan Utah University of Idaho, Moscow Cal Poly, San Luis Obispo Fresno State Davis	State Pesticide Certification

**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/>**

**Carson High School is an equal opportunity/affirmative action agency and does not discriminate on the basis of race, color, religion, sex, sexual orientation, gender identity or expression, age, disability, or national origin.**