

Career and Technical Education (CTE) Pathways at Carson High School

| Career Cluster | Specific Pathways | Carson High Programs and Sequences | | | |
|--|---|------------------------------------|--|--|--|
| | | Year 1 of Sequence | Year 2 of Sequence | Year 3 of Sequence | Year 4 of Sequence |
| Agriculture and Natural Resources Management | Veterinary Science | Agriculture Science I (4) | Agriculture Science II (4) | Veterinary Science III (1) | Veterinary Science Advanced Studies or Internship |
| | Ornamental Horticulture/ Greenhouse Management | Horticultural Science | Plant Science and Ornamental Horticulture | Greenhouse Management (1) | Agriculture Advanced Studies or Internship |
| | Floriculture Design and Management | Horticultural Science | Plant Science and Ornamental Horticulture | Floriculture (1) | Floriculture Advanced Studies or Internship |
| | Agriculture Leadership, Communication and Policy | Agriculture Science I | Agriculture Science II (4) | Agriculture Leadership, Communication, and Policy (1) | Internship or Advanced Studies - Ag Leadership |
| | Natural Resources and Wildlife Mngt | Agriculture Science I (4) | Agriculture Science II (4) | Natural Resources and Wildlife Management (1) | Advanced Studies Natural Resources |
| Business & Marketing | Entrepreneurship | Principles of Business & Marketing | Entrepreneurship I | Entrepreneurship II (1) | Entrepreneurship Advanced Studies or Internship |
| | Banking | | | Banking Internship (GNCU) (Juniors and Seniors Only) | Banking Internship (GNCU) (Juniors and Seniors Only) |
| Hospitality and Tourism | Culinary Arts (3 year sequence beginning in 10th grade) (2) | Culinary Arts I (Sophomore) | Culinary Arts II (Junior) | Culinary Arts III and CTE Work Experience (Senior) (1) | Culinary Arts Advanced Studies |
| Health Science and Public Safety | Emergency Medical Technician | Health Science I (3) | Health Science II or Sports Med I (3) | Emergency Medical Services | Emergency Medical Technician and Lab* |
| | Sports Medicine | Health Science I (3) | Sports Medicine I or Health Science II (3) | Sports Medicine I or II (3 & 1) | Sports Medicine Advanced Studies |
| | Pharmacy Technician | Health Science I (3) | Health Science II (3) | Emergency Medical Services | Pharmacy Practice (1) |
| Information and Media Technologies | Graphic Design | Graphic Design I | Graphic Design II | Graphic Design III (1) | Graphic Design Advanced Studies |
| | Photography | Photography I | Photography II | Photography III (1) | Photography Advanced Studies |
| | Web Design | Web Design I | Web Design II | Web Design III (1) | Web Design Advanced Studies |
| | IT Service and Support | IT Essentials I | IT Essentials II (1) | IT Essentials Internship | IT Essentials Internship |
| Skilled and Technical Sciences | Engineering | Introduction to Engineering | Principles of Engineering | Digital Electronics (1) | Engineering Capstone or Internship |
| | Welding | Welding Technology I | Welding Technology II | Welding Technology III (1) | Welding Advanced Studies |
| | Manufacturing Technologies | Manufacturing Technologies I | Manufacturing Technologies II | Manufacturing Technologies III (1) | WNC AIT Program 24 Credits |

1 State Technical Assessment/Workplace Readiness Assessment taken in the late spring

2 Culinary Arts is a three-year sequence which begins in the student's 10th grade year

3 Health Sci I = May fulfill 1/2 (.5) Health Credit

4 Agriculture Science I **AND** Agriculture Science II = 1 Science Credit

5. Health Science I **AND** II = 1 Science Credit

For information on internships and work-based learning opportunities, go to the College and Career Readiness Office – Room 104.

The Carson City School District does not discriminate against any person on the basis of race, color, national origin, sex, disability and age, and it provides equal access to the Boy Scouts of America and other designated youth groups. The following person has been designated to handle inquiries regarding the District's non-discrimination policies: Title IX and 504 Coordinator, 1402 W. King Street, Carson City, NV 89703, (775) 283-2130.

Career and Technical Education (CTE) Pathways at Carson High School

A ratio of one CTE class for every two academic classes minimizes the risk of students dropping out of high school.

(Plank et al., Dropping Out of High School and the Place of Career and Technical Education, National Research Center for CTE, 2005)

The more students participate in career and technical student organizations, the higher their academic motivation, academic engagement, grades, career self-efficacy, college aspirations and employability skills.

(Alfeld et al., Looking Inside the Black Box: The Value Added by Career and Technical Student Organizations to Students' High School Experience, National Research Center for CTE, 2007)

Today's cutting-edge, rigorous and relevant career and technical education (CTE) prepares youth for a wide range of high-wage, high-skill, high-demand careers.

What is Career and Technical Education at Carson High School?

- Career and Technical Education programs at Carson High School have a current enrollment of 1786 students. Many students take more than one program.
- Students are able to participate in a range of career options through 6 major career cluster areas and 23 career pathways.
- Academics are integrated into CTE programs at Carson High School creating a rigorous and relevant curriculum for all students.
- High school and post-secondary partnerships are in place which enable clear pathways to certifications, degrees and "FREE" college credits!
- CTE programs fulfill employer needs in high-skill, high-wage, high-demand areas such as the medical field, IT Media and Engineering.
- CTE programs prepare students to be college- and career-ready by providing core academic skills, employability skills and technical, job-specific skills.

To learn more about the CTE programs and opportunities at Carson High School, contact:

Michele Lewis, CTE Administrator
775-283-1637

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