

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	Agriculture Leadership, Communication and Policy	Agriculture Science I	Agriculture Science II (4)	Agriculture Leadership, Communication, and Policy (1)	Internship or Advanced Studies - Ag Leadership
	Floriculture Design and Management	Horticultural Science or Ag Science I	Plant Science and Ornamental Horticulture	Floriculture (1)	Floriculture Advanced Studies or Internship
	Natural Resources and Wildlife Mngt	Agriculture Science I (4)	Agriculture Science II (4)	Natural Resources and Wildlife Management (1)	Advanced Studies Natural Resources
	Ornamental Horticulture/ Greenhouse Management	Agriculture Science I (4)	Plant Science and Ornamental Horticulture	Floriculture (1)	Greenhouse Advanced Studies or Internship
	Veterinary Science	Agriculture Science I (4)	Agriculture Science II (4)	Veterinary Science III (1)	Advanced Studies Veterinary Science
Business & Marketing	Entrepreneurship	Principles of Business & Marketing	Marketing I	Marketing II (1)	Entrepreneurship Advanced Studies or Internship
	Banking			Banking Internship (GNCU) (Juniors and Seniors Only)	
Hospitality and Tourism	Culinary Arts	Culinary Arts I	Culinary Arts II	Culinary Arts III and CTE Work Experience (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 Tech 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)
	Health Information Management	Health Science I (3)	Health Science II (3)	Health Information Management I	Health Information Management II
	NJROTC	Naval Science I	Naval Science II	Naval Science III	Naval Science IV
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
	IT Service and Support	IT Essentials I	IT Essentials II (1)	IT Essentials Internship	IT Essentials Internship
	Web Design	Web Design I	Web Design II	Web Design III (1)	Web Design Advanced Studies
	Computer Science	AP Computer Science Principles	TBD (2019-2010)		
Skilled and Technical Sciences	Architectural and Civil Engineering	Introduction to Engineering	Principles of Engineering	Civil Engineering and Architectural (1)	Engineering Capstone or Internship
	Mechanical Engineering	Introduction to Engineering	Principles of Engineering	Computer Integrated Manufacturing	Engineering Capstone or Internship
	Welding	Welding Technology I	Welding Technology II	Welding Technology III (1)	Welding Advanced Studies

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

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

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,

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 7 major career cluster areas and 21 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;

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