

## 2019-2020 CTE Pathways

Career Cluster	Programs of Study	Carson High Programs and Course 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 (Not offered 2019-2020)	Agriculture Science I	Agriculture Science II	Agriculture Leadership, Communication, and Policy	Ag Leadership Advanced Studies
	Floriculture Design and Management	Agriculture Science I	Plant Science and Ornamental Horticulture	Floriculture	Floriculture Advanced Studies
	Agricultural Mechanics Technology	Agricultural Mechanics and Technology I	Agricultural Mechanics and Technology II	Agricultural Mechanics and Technology III	Agricultural Mechanics Technology Advanced Study
	Ornamental Horticulture/ Greenhouse Management	Agriculture Science I	Plant Science and Ornamental Horticulture	Greenhouse Management	Greenhouse Management Advanced Studies
	Veterinary Science	Agriculture Science I	Agriculture Science II	Veterinary Science	Veterinary Science Advanced Studies
Business & Marketing	*Entrepreneurship (Note Program Changes)	Principles of Business & Marketing	Entrepreneurship I (no new enrollment 2019-2020/program ending)	Entrepreneurship II (final year of enrollment 2019-2020/program ending)	Entrepreneurship Advanced Studies (final year of enrollment 2020-2021/program ending)
	Marketing	Principles of Business & Marketing	Marketing I	Marketing II	Marketing Advanced Studies
	<i>Banking/ Finance (Complimentary Course)</i>	GNCU Banking Internship (11th grade)	GNCU Banking Internship (12th Grade)		
Hospitality & Tourism	Culinary Arts The sequence for Culinary Arts begins in the student's 10th grade year.	Culinary Arts I	Culinary Arts II	Culinary Arts III	
Health Science and Public Safety	Emergency Medical Technician (Option 1)	Health Science I	Health Science II	Emergency Medical Services	Emergency Medical Tech and Lab (Must be in 12th grade to enroll)
	Emergency Medical Technician (Option 2)	Health Science I (10th grade)	Emergency Medical Services (11th grade)	Emergency Medical Technician and Lab (Must be in the 12th grade)	
	Sports Medicine (Option 1)	Health Science I	Sports Medicine I	Sports Medicine II	Sports Medicine Advanced Studies
	Sports Medicine (Option 2)	Health Science I (10th grade)	Sports Medicine I (11th grade)	Sports Medicine II (12th Grade)	
	Pharmacy Technician (Option 1)	Health Science I	Health Science II	Emergency Medical Services	Pharmacy Practice
	Pharmacy Technician (Option 2)	Health Science I (10th grade)	Health Science II (11th grade)	Pharmacy Practice (12th grade)	
	Health Information Management (Option 1)	Health Science I	Health Science II	Health Information Management I	Health Information Management II
	Health Information Management (Option 2)	Health Science I	Health Information Management I	Health Information Management I1	
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	Graphic Design Advanced Studies
	Photography	Photography I	Photography II	Photography III	Photography Advanced Studies
	*IT Service and Support (Note Program Changes)	IT Essentials I (No new enrollments 2019-2020/program ending)	IT Essentials II (Final year of enrollment 2019-2020)	IT Essentials Internship (Final year of enrollment 2020-2021)	
	Cybersecurity	Cybersecurity I	Cybersecurity II	Cybersecurity III	Cybersecurity Advanced Studies
	Web Design	Web Design I	Web Design II	Web Design III	Web Design Advanced Studies
	<i>Computer Science (Complimentary Course)</i>	AP Computer Science Principles			
Skilled and Technical Sciences	Architectural and Civil Engineering	PLTW Introduction to Engineering Design	PLTW Principles of Engineering	PLTW Civil Engineering and Architecture	Engineering Capstone
	Mechanical Engineering	PLTW Introduction to Engineering Design	PLTW Principles of Engineering	PLTW Computer Integrated Manufacturing	Engineering Capstone
	*Welding Technology (Note Program Changes)	Welding Technology I (No new enrollments 2019-2020/program ending)	Welding Technology II (final year 2019-2020)	Welding Technology III (Final year of enrollment 2020-2021)	Welding Advanced Studies (Final year of enrollment 2021-2022)