

CARSON HIGH SCHOOL - ENGINEERING/PLTW - PROGRAM OF STUDY

Name of Student: _____
 Graduation Year: _____
 Counselor: _____

Contact: Michele Lewis, CTE Administrator – 775-283-1637

Career Cluster: Skilled and Technical Sciences			Career Pathway: Engineering and Technology	
9 th Grade	10 th Grade	11 th Grade	12 th Grade	Postsecondary
<i>Semester 1&2</i>	<i>Semester 1&2</i>	<i>Semester 1&2</i>	<i>Semester 1&2</i>	College of Southern Nevada Great Basin College Nevada State College Truckee Meadows Community College University of Nevada, Las Vegas University of Nevada, Reno Western Nevada College
English I or Honors English I	English II or Honors English II	Junior Level English III with Honors and Advanced Placement classes available	Senior Level English with Honors and Advanced Placement classes available	
Biology	Biology or Honors Biology	Junior Level Science with Honors and Advanced Placement classes available	Senior Level Science with Honors and Advanced Placement classes available	
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	
Elective	Elective	Elective	Elective	
Engineering	Introduction to Engineering	Principles of Engineering	Digital Electronics	Jump Start
Work-Based Learning		State Articulation Agreement for CTE College Credit		Career and Technical Student Organization
9 th	Freshmen Transition - Develop 4-year Plan; guest speakers; attend workshops and seminars Career Day/Fair	<u>Secondary Program Requirements</u> Student must earn the state Certificate of Skill Attainment certificate in Digital Electronics	<u>Postsecondary Credit Options</u> To Be Determined	SkillsUSA
10 th 11 th 12 th	Career Awareness, Job Shadowing, Field Trips, CTE Work Experience, Guest Speakers, Internship			
CTE Assessments		State Recognized Industry Certifications	High Wage - High Skill - High Demand Careers	
End of Program Technical Assessment for Digital Electronics Workplace Readiness Skills Assessment (for Employability Skills Standards)		<u>Certification</u> To Be Determined	<u>Provider</u>	Civil Engineer Structural Engineer Project Engineer
				Survey Technician Consultant Designer/Drafter

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 Digital Electronics course.
 For additional career and employment information visit <http://www.ncvis.intocareers.org/> and <http://www.NevadaYouth.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.