

CADD (Computer Aided Drafting and Design) Program of Study

Career Clusters:



Major Career Options

- Drafting Technician
- Architect
- Residential Designer
- Construction
- Industrial Designer
- Project Coordinator
- Robotics Designer
- Engineer (aeronautical, civil, chemical, developmental, electrical, industrial, structural)

CTE Diploma Course Requirements: 22 1/2 credits; 4 CTE courses, 2 in one area; work experience counts only if in related courses; no F's.

Yellow: General Graduation Requirements

Blue/ bold: Recommended CADD Pathway

Green/italics: Recommended Electives

	9 th Grade	10 th Grade	11 th Grade	12 th Grade
	<i>Semester 1&2</i>	<i>Semester 1&2</i>	<i>Semester 1&2</i>	<i>Semester 1&2</i>
ENG	Freshman English Class	Sophomore English Class	Junior English Class	Senior English Class
SCU	Discovery Science	Biology	Chemistry	Human Anatomy, Physics, Oceanography
MATH	Freshman Math Class (Algebra or Geometry)	Sophomore Math Class (Algebra II or Geometry)	Junior Math Class (Trig/PreCalc, Algebra II)	Senior Math Class (Trigonometry/Pre-Calculus, Calculus, Statistics/ Algebra III)
REQ	Computer Literacy and Health	World History	U.S. History	Government
REQ/ ELEC	Physical Education	Physical Education	<i>Architectural Survey, Art Foundations, 3D Animation, A+, or Graphic Design</i>	<i>Architectural Survey, Welding, Auto Body, or Auto Tech</i>
ELEC	<i>Architectural Survey or Art Foundations</i>	CADD I	CADD II	CADD Portfolio

Work-Based Learning Opportunities	College Credit/ Tech Prep	Career-Technical Student Organizations (CTSOs) and Clubs	Certifications
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<ul style="list-style-type: none"> • Career Awareness • Cooperative Education • Job Shadowing • Paid/Unpaid Internship • Service Learning 	<ul style="list-style-type: none"> • WNC to 3 credits (CADD I) • WNC to 3 credits (CADD II) 	<ul style="list-style-type: none"> • SkillsUSA 	<ul style="list-style-type: none"> • AutoCAD Certified Associate • AutoCAD Certified Professional • Inventor Certified Associate • Inventor Certified Professional • Revit Certified Associate • Revit Certified Professional
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Two-Year College or Proprietary Program	Four-Year College and University Programs	Training Certificates, Licenses, On the Job Training, etc.
<p>Western Nevada College (AAS)</p> <ul style="list-style-type: none"> • Drafting Technology- Mechanical • Welding Technology' • Machine Tool Technology <p>Western Nevada College – Bachelor of Technology</p> <ul style="list-style-type: none"> • Construction Management <p>Western Nevada College – Certificate of Achievement</p> <ul style="list-style-type: none"> • Drafting Technology- Mechanical • Drafting Technology- Architectural • Computer Applications • Graphics Communications <p>Truckee Meadows Community College (AAS)</p> <ul style="list-style-type: none"> • Architecture • Construction Technology/ Construction Management • Drafting Technology • Engineering <p>Truckee Meadows Community College – Certificate of Achievement</p> <ul style="list-style-type: none"> • Drafting Technology • Architectural Design Technology 	<p>University of Nevada- Reno</p> <ul style="list-style-type: none"> • Engineering Programs <p>University of Nevada- Las Vegas</p> <ul style="list-style-type: none"> • Architecture • Interior Architecture and Design • Landscape Architecture and Planning • Engineering Programs <p>Cal Poly</p> <ul style="list-style-type: none"> • Architecture • Engineering Programs <p>Penn State</p> <ul style="list-style-type: none"> • Architecture • Engineering Programs 	<ul style="list-style-type: none"> • AutoCAD Certified Associate • AutoCAD Certified Professional • Inventor Certified Associate • Inventor Certified Professional • Revit Certified Associate • Revit Certified Professional • BS, BA, B.Arch.