



# Interior Design – CADD

Pursuing a career in interior design can be very rewarding. According to Indeed, the average salary for an interior designer is \$68,786 per year in Washington state. Interior designers will generally receive the same benefits as other employees at their company. A career in interior design allows individuals to use their skills in different settings during their jobs to ensure the needs of the clients are met to their satisfaction. The course provides the students with extensive opportunities to put their versatile skills into practice. Students who complete all four classes in this pathway will meet CTE graduation pathway requirements.

## Students in this pathway will:

- ➔ Graduate with both interior design and CADD training.
- ➔ Have the opportunity to earn college credit.
- ➔ Be able to participate in either SkillsUSA or TSA clubs to build career and leadership skills.



## What high-demand careers are related to the Interior Design - CADD Pathway?

High-demand careers	Annual salary in Washington	Required training after high school	Schools offering degrees or certification
Interior designer	\$56,040	Bachelor's degree	University of Washington Bellevue College
Interior decorator	\$52,620	Certification or associate degree	South Seattle College Seattle Pacific University
CADD drafter	\$57,700	Associate degree	Renton Technical College
Interior architect	\$85,820	Bachelor's degree	Cornish College of the Arts Washington State University

\* Information from Washington State Employment Security Department, 2023

## What courses are offered in the Interior Design - CADD Pathway?

Middle school courses in this pathway	College credit offered			Leads to a certification?	Equivalencies offered to meet graduation requirements
Exploring Engineering I	N/A			N/A	N/A
Exploring Engineering II	N/A			N/A	N/A
Computer Aided Drafting (CMS only)	N/A			N/A	N/A
High school courses in this pathway	College credit offered			Leads to a certification?	Equivalencies offered to meet graduation requirements
	CTE dual credit	College in the High School	AP		
Shop 1: Shop Tech (0.5 credit)					
Introduction to Digital Arts (0.5 credit)	X				0.5 art credit
Computer Aided Design Fundamentals (0.5 credit)	X				0.5 art/math credit
Interior Design (0.5 credit)	X				0.5 art credit

### Interior Design - CADD Pathway course sequence:



### Middle school course descriptions:

**Exploring Engineering I** – This is a semester-long exploratory STEM course that incorporates project-based learning, with a focus on the engineering cycle. Students will learn about a variety of topics, including power tool safety and operation, measurement, robotics, CNC manufacturing, CADD, robotics, and more.

**Exploring Engineering II** – This is a semester-long exploratory STEM course that incorporates project-based learning, with a focus on the engineering, cycle. Students will apply problem solving, visual communication, and industrial skills to design and build challenging and exciting projects. Units of study include power tool safety and operation, manufacturing, electricity/electronics, CADD, and more. Engineering I is not a prerequisite for this course.

**Computer Aided Drafting (CMS Only)** – This course starts out by exploring how to use the computer-aided drafting program, Rhino. Students will be using Rhino to design 3D models of projects that they will manufacture in the shop with 3-D printers, laser cutters, vinyl cutters, and CNC routers. Students who take this class and receive an “A” grade can waive “Computer Aided Design Fundamentals” at Snohomish High School.

## High school course descriptions:

**Shop 1: Shop Tech** - This is an exploratory course focused on engineering and technology. Students will look at various technology systems, manufacturing processes and associated careers. Using demonstrations, hands-on activities, and small projects, students learn how to apply STEM skills to real-world engineering problems.

**Introduction to Digital Arts** - This introductory course explores the use of the elements of art and the principles of design through computer graphic design, photography, and digital video. Students will be introduced to the career opportunities in this field. Students will begin developing a portfolio of their work from the semester. Four credits of college credit through CTE dual credit are available. 0.5 art equivalency credit is available.

**Computer Aided Design Fundamentals** - This introductory Computer Aided Drafting & Design (CADD) course provides career information and technical training to prepare students for all the upper-level CADD and machining courses. Students study CADD procedures and techniques. Projects focus on practical methods of conceptual and visual communication. Algebra II or third year math equivalency is available. 0.5 art equivalency credit is available.

**Interior Design** – Students will dive into interior design by studying the elements and principles of design, color schemes, line and texture, and the effects these have on design choices. This is a hands-on class where students will be painting, drawing, and designing their own rooms. Students will also explore careers in the field of interior design and related professions. Five college credits are available through CTE dual credit. 0.5 art equivalency credit is available.

## What clubs are offered to practice career-related skills and leadership?

In high school, SkillsUSA is one CTE club (called a Career and Technical Student Organization) that is related to the Interior Design career pathway. SkillsUSA is a prominent student organization that empowers young individuals with technical and leadership skills, preparing them for successful careers in trade, technical, and skilled service occupations. Through SkillsUSA, students engage in a variety of hands-on activities, competitions, and workshops that enhance their expertise in fields such as construction, manufacturing, automotive technology, healthcare, and more. Members have the opportunity to develop practical skills, collaborate with peers, and demonstrate their abilities in regional, state, and national competitions. As they progress through their education, SkillsUSA students hone their problem-solving, teamwork, and communication skills, positioning them for a broad spectrum of careers. Following high school, many SkillsUSA alumni embark on pathways in fields such as welding, engineering, healthcare technology, culinary arts, and other skilled trades, contributing to industries that are vital to economic growth and innovation.

TSA (Technology Student Association) is the other CTE co-curricular opportunity (called a Career and Technical Student Organization) that is related to the Interior Design pathway. In TSA, students engage in a wide spectrum of hands-on activities, competitions, and projects that encourage creativity, problem-solving, and technological skills development. Members have the opportunity to explore diverse fields such as robotics, engineering, coding, graphic design, and environmental sciences. As TSA students advance through their educational journey, they acquire practical experience, collaborate on innovative projects, and refine their technical expertise. Following high school, many TSA alumni pursue careers in engineering, computer science, architecture, industrial design, information technology, and other technology-related fields, contributing to advancements in technology and its applications across industries, from sustainability to entertainment and beyond.

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