



MONTANA CAREER PATHWAYS

Career and Technical Education



Area of Study: Family & Consumer Sciences

Career Pathway: Design & Construction (FCS)

Get the Facts

The Design & Construction Career Cluster focused within the Family & Consumer Sciences programs prepares students for designing and planning the built environment and designing and producing visual and textile arts.

Workforce Trends

The Design & Construction cluster encompasses pathways in design/pre-construction and visual arts.

The number employed in the Interior Design occupation is smaller than many other sectors, but it is projected to have a very fast 10-year growth of 17.7%. There is a small number of sewing machine operator jobs in Montana also experiencing a fast 10-year growth projection.

CAREER AND TECHNICAL EDUCATION

Recommended Pathway Courses

Courses listed below provide a suggested sequence of courses for career and curriculum planning. Schools may offer additional courses beyond those listed within local Pathways.

CLASS AVAILABILITY MAY VARY AT YOUR SCHOOL

Course #	Foundation Courses (required)	Credit
19251	Family and Consumer Sciences—Comprehensive	.50/1.0
19256	Clothing/Sewing	.50
19257	Life Skills	.50
22101	Leadership	.50
19260	Personal Development	.50
22151	Career Exploration	.50
Elective Courses		
05164	Fibers and Textile Design	.50
05190	Fashion Design	.50
05193	Interior Design	.50
12053	Entrepreneurship	.50
19258	Personal and Career Readiness	.50
19201	Clothing & Textiles	.50
19203	Apparel Construction	.50
19204	Apparel and Textile Services	.50
19205	Home Furnishings	.50
19263	Home Environments and Design	.50
21107	CAD Design and Software	.50
19248	Apparel and Furnishings—Workplace Experience	.50
19298	Family and Consumer Sciences—Workplace Experience	.50

1.0 credit

1.0 credit

2.0 credits for completion

Foundation courses taken beyond the required credits can be used as elective credit
 Any High School CTE course(s) required for graduation may count towards Pathway completion
 Additional CTE Credits are recommended for Pathway completion

Careers in Design are:

- High Skill

Career Examples

- CAD Technicians
- Fashion Designers
- Home Furnishing Coordinators
- Interior Designer, Commercial/ Residential
- Planner/Designer
- Sewing Machine Operators (Manufacturing)
- Textile Designers

According to the Montana Department of Labor & Industry, the median hourly wage for occupations range from \$11.77 to \$17.93.

State Graduation Requirements		Suggested High School Plan of Study				College and Career
High School <small>Administrative Rules of Montana 10.55.905</small>		9th Grade Suggested	10th Grade Suggested	11th Grade Suggested	12th Grade Suggested	Beyond High School There are many options for education and training beyond high school, depending on your career goals. <ul style="list-style-type: none"> • Certificate • Associate degree • Bachelor's degree • On-the-job training • Apprenticeship
English/Language Arts	4.0	English 9 1.0	English 10 1.0	English 11 1.0	English 12 1.0	
Mathematics	2.0	Math* 1.0	Math* 1.0	Math* 1.0	Math* 1.0	
Social Studies	2.0	Social Studies* .50/1.0	Social Studies* .50/1.0	U.S History 1.0	U.S. Government 1.0	
Science	2.0	Earth Science 1.0	Biology 1.0	Science Elective*		
Health Enhancement	1.0	P.E./Health* .50	P.E./Health* .50	P.E./Health Electives*		
Arts	1.0	Arts Courses* 1.0				
Career and Technical Education	1.0	Pathway Foundation Course .50/1.0	Pathway Foundation Course .50/1.0	Pathway Elective Course .50/1.0	Pathway Elective Course .50/1.0	
Work-Based Learning		Participation in a Pathway-related work-based learning experience				

Career and Technical Student Organization	Family, Career & Community Leaders of America	For more information on salary projections, labor market demand, and training options, visit lmi.mt.gov .
<ul style="list-style-type: none"> *Talk to your school counselor about requirements in the core curriculum. Core curriculum and elective requirements vary district to district. Many CTE courses may qualify for dual enrollment credit, which in some cases may earn up to 1.0 credit toward Pathway completion. Talk to your school counselor about availability. 	<ul style="list-style-type: none"> Dual enrollment course offerings vary by school and district. Many Montana post-secondary programs accept high school courses toward a two- and four-year degree through dual enrollment. Check with post-secondary campuses for details. 	