



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

Students may select individual courses for exploration or a complete Pathway for an in-depth focus

CLASS AVAILABILITY MAY VARY AT YOUR SCHOOL

Course #	Foundation Courses (required)	Credit
10004	Computer Applications	.50
19251/22201	Family & Consumer Sciences – Comprehensive	.50/1.0
19256/22205	Clothing/Sewing	.50
19257/22206	Life Skills	.50
22101	Leadership	.50
22151	Career Exploration	.50
Elective Courses		
05164	Fibers & Textile Design	.50
12053	Entrepreneurship	.50
19201	Clothing & Textiles	.50
19202	Clothing/Textile Maintenance	.50
19203	Apparel Construction	.50
19205	Home Furnishing	.50
19248	Apparel & Furnishings – Workplace Experience	.50
19263/22211	Home Environments & Design	.50
21107	CAD Design & Software	.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. 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
- Textile Designers
- Sewing Machine Operators (Manufacturing)

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

State Graduation Requirements

High School
[Administrative Rules of Montana 10.55.905](#)

English/Language Arts	4.0
Mathematics	2.0
Social Studies	2.0
Science	2.0
Health Enhancement	1.0
Arts	1.0
Career and Technical Education	1.0

Suggested High School Plan of Study

9th Grade Suggested	10th Grade Suggested	11th Grade Suggested	12th Grade Suggested
English 9 1.0	English 10 1.0	English 11 1.0	English 12 1.0
Math* 1.0	Math* 1.0	Math* 1.0	Math* 1.0
Social Studies* .50/1.0	Social Studies* .50/1.0	U.S History 1.0	U.S. Government 1.0
Earth Science 1.0	Biology 1.0	Science Elective*	
P.E./Health* .50	P.E./Health* .50	P.E./Health Electives*	
Arts Courses* 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

College and Career

Beyond High School
There are many options for education and training beyond high school, depending on your career goals.

- Certificate
- Associate degree
- Bachelor's degree
- On-the-job training
- Apprenticeship

For more information on salary projections, labor market demand, and training options, visit lmi.mt.gov.

Work-Based Learning

Participation in a Pathway-related work-based learning experience

Career and Technical Student Organization

Family, Career & Community Leader of America

- *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.

- 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.