

## Career Pathway: Design & Construction (FCS)

<p><b>Get the Facts</b> The Design &amp; Construction Career Cluster focused within the Family &amp; Consumer Sciences programs prepares students for designing and planning the built environment and designing and producing visual and textile arts.</p> <p><b>Workforce Trends</b> The Design &amp; Construction cluster encompasses pathways in design/pre-construction and visual arts.</p> <p>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.</p>		<b>CAREER AND TECHNICAL EDUCATION</b>					<p><b>Careers in Design are:</b></p> <ul style="list-style-type: none"><li>• High Skill</li></ul> <p><b>Career Examples</b></p> <ul style="list-style-type: none"><li>• CAD Technicians</li><li>• Fashion Designers</li><li>• Home Furnishing Coordinators</li><li>• Interior Designer, Commercial/ Residential</li><li>• Planner/Designer</li><li>• Sewing Machine Operators (Manufacturing)</li><li>• Textile Designers</li></ul> <p>According to the Montana Department of Labor &amp; Industry, the median hourly wage for occupations range from \$11.77 to \$17.93.</p>
		<b>Recommended Pathway Courses</b>					
		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.					
		<b>CLASS AVAILABILITY MAY VARY AT YOUR SCHOOL</b>					
		<b>Course #</b>	<b>Foundation Courses (required)</b>	<b>Credit</b>			
		19201	Clothing & Textiles	.50	1.0 credit		
		19205	Home Furnishing	.50			
		19251	Family and Consumer Sciences—Comprehensive	.50/1.0			
		19256	Clothing/Sewing	.50			
		19257	Life Skills	.50			
			<b>Elective Courses</b>				
		05164	Fibers and Textile Design	.50	1.0 credit		
		12053	Entrepreneurship	.50			
		19203	Apparel Construction	.50			
		19204	Apparel and Textile Services	.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					
<b>Foundation courses taken beyond the required credits can be used as elective credit</b>				<b>2.0 credits for completion</b>			
<b>Any High School CTE course(s) required for graduation may count towards Pathway completion</b>							
<b>Additional CTE Credits are recommended for Pathway completion</b>							
<b>State Graduation Requirements</b>		<b>Suggested High School Plan of Study</b>				<b>College and Career</b>	
<b>High School</b> <a href="#">Administrative Rules of Montana 10.55.905</a>		<b>9th Grade Suggested</b>	<b>10th Grade Suggested</b>	<b>11th Grade Suggested</b>	<b>12th Grade Suggested</b>	<b>Beyond High School</b> There are many options for education and training beyond high school, depending on your career goals.	
<b>English/Language Arts</b>	<b>4.0</b>	English 9 1.0	English 10 1.0	English 11 1.0	English 12 1.0	<ul style="list-style-type: none"><li>• Certificate</li><li>• Associate degree</li><li>• Bachelor’s degree</li><li>• On-the-job training</li><li>• Apprenticeship</li></ul>	
<b>Mathematics</b>	<b>2.0</b>	Math* 1.0	Math* 1.0	Math* 1.0	Math* 1.0		
<b>Social Studies</b>	<b>2.0</b>	Social Studies* .50/1.0	Social Studies* .50/1.0	U.S History 1.0	U.S. Government 1.0		
<b>Science</b>	<b>2.0</b>	Earth Science 1.0	Biology 1.0	Science Elective*			
<b>Health Enhancement</b>	<b>1.0</b>	P.E./Health* .50	P.E./Health* .50	P.E./Health Electives*			
<b>Arts</b>	<b>1.0</b>	Arts Courses* 1.0				For more information on salary projections, labor market demand, and training options, visit <a href="http://lmi.mt.gov">lmi.mt.gov</a> .	
<b>Career and Technical Education</b>	<b>1.0</b>	Pathway Foundation Course .50/1.0	Pathway Foundation Course .50/1.0	Pathway Elective Course .50/1.0	Pathway Elective Course .50/1.0		
<b>Work-Based Learning</b>		Participation in a Pathway-related work-based learning experience					
<b>Career and Technical Student Organization</b>		Family, Career & Community Leaders of America					
<ul style="list-style-type: none"><li>• *Talk to your school counselor about requirements in the core curriculum. Core curriculum and elective requirements vary district to district.</li><li>• 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.</li></ul>		<ul style="list-style-type: none"><li>• Dual enrollment course offerings vary by school and district.</li><li>• 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.</li></ul>					