|  |  |  |
| --- | --- | --- |
| **CTELogoP_MT_4cProcess** | **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 entrepreneurship opportunities are very high in these fields. 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** | 1.0 credit1.0 credit | **Careers in Design are:*** High Skill

**Career Examples*** 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. |
| 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 (1.0 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 |
| 12053 | Entrepreneurship | .50 |
|  | **Elective Courses (1.0 required)** |  |
| 05164 | Fibers and Textile Design | .50 |
| 05190 | Fashion Design | .50 |
| 05193 | Interior Design | .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 |
| 19248 | Apparel and Furnishings—Workplace Experience | .50 |
| 19298 | Family and Consumer Sciences—Workplace Experience | .50 |
| **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 to reflect focus fields** | **2.0 credits for completion** |
|  |
| **State Graduation Requirements** | **Suggested High School Plan of Study** | **College and Career** |
| **High School**[Administrative Rules of Montana 10.55.905](http://www.mtrules.org/gateway/ruleno.asp?RN=10.55.905) | **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.* 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](http://www.lmi.mt.gov).  |
| **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 |
| * \*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.
 |