

Design & Construction Career Pathway

Certificate of Applied
Science (1 year)

Associate of Applied Science
Degree (2 years)

Bachelor's or Master's
Degree (4 to 6 years)

Heating/Cooling Technician (HVAC)

Entry Level Salary: \$44,400
Average Salary: \$57,840
Job Growth (10 yr): Very High

Pre-Apprenticeship Lineman

Entry MT salary: \$41,310
Average salary: \$81,860
Job Growth (10 yr): Very High

Sustainable/Green Construction Management

Approximate Salary: \$40-70,000+
Job Growth: **N/A Emerging Career**

Computer Draftsperson

Entry Level Salary: \$45,440
Average Salary: \$53,660
Job Growth (10 yr): Medium

Architect

Entry Level Salary: \$49,030
Average Salary: \$ 62,280
Job Growth (10 yr): Very High

Civil Engineer

Entry Level Salary: \$56,880
Average Salary: \$69,560
Job Growth (10 yr): High

Get Involved

- [Skills USA](#)
- [FCCLA—Family, Career, and Community Leaders of America](#)
- Learn about Local, State, and National Building Codes
- Connect with the [MT Contactor's Association](#)
- Explore Health, Safety and Environmental Issues
- Career Planning in Montana Career Information System ([MCIS](#)) or [Career Lab](#)

Try Your Hand at Work

- Internships
- Job Shadow
- Service Learning
- Mentorship
- Pre-Apprenticeship
- Tour a Materials Testing Lab
- Tour a Lumber Yard
- Tour a Construction Site
- Volunteer for Community Service Projects

College Major Options

- Interior Space Planning & Design
- Interior Design
- Project Planning Construction Technology
- Construction Law
- Heating, Ventilation & Air Conditioning (HVAC)

Career Options

- Interior Designer
- CAD Draftsperson
- Carpenter
- Cost Estimator
- Electrician
- Plumber
- Dry Waller
- Tile Setter
- Landscape Architect
- Builder
- Stonemason

Industry Recognized Credentials

- AAFCS Credentials: Housing and Furnishings, Interior Design Fundamentals
- [OSHA 10 and/or OSHA 30 Safety Training](#)
- American Society of Interior Design (ASID)
- American Institute of Construction (AIC)
- National Center for Construction (NCCER)
- American Concrete Institute Certification (ACI)
- National Council for Interior Design (NCID)

Design & Construction Career Pathway

Complete all High School Graduation Requirements — Click [Here](#) for a Fillable Course Planner

Recommended High School Courses

Design and Construction Courses:

- Construction or Carpentry
- Shop Safety
- OSHA 10
- Computer Aided Design or Hand Drafting
- Textile Design
- Blueprint Reading
- Welding or Metal Working
- Interior Design/Housing & Design
- Intro to Architecture

Other Valuable Courses:

- Geometry
- CPR
- Senior Year Math
- Small Business

Look for online high school courses here:
<http://montanadigitalacademy.org/>

Recommended Dual Enrollment

Design and Construction Courses:

- Intro to Interior Design (IDSN101)
- Basic Rigging (CSTN135)
- Geographic Information Systems (SRVY290)
- CAD Drafting: (DDSN101, 102, 113, 114, 118)
- Solidworks (DDSN135)
- Construction Fundamentals (CSTN100)
- Carpentry Basics (CSTN120)
- Field Experience-Building (CSTN195)
- Blueprint Reading (WLDG117)

Other Valuable Courses:

- Technical Math (M111)
- Extended Technical Math (M114)
- Accounting I (ACTG101)
- College Writing (WRIT101) or Technical Writing (WRIT121)
- Intro to Communication (COMX111 or COMX115)

Look for online dual enrollment courses here:
<http://www.mus.edu/dualenroll/portal/index.html>



High School

Postsecondary Programs in Montana