

CONSTRUCTION MANAGEMENT

What is construction management?

Few things in life are as satisfying as the feeling of creating something from nothing. Graduates of City College's construction management program will learn how to take a residential construction project from a vacant lot to a beautiful home. This hands-on program will train you in the basics of home construction, including framing, drywall, roofing and siding. In addition to construction skills such as these, you will also take classes in the areas of accounting and small business entrepreneurship. The combination of these two skill sets will allow you to more easily advance from the front lines of home construction into positions in management or project estimation. It will also provide a strong foundation that will allow you to stop punching the clock for others and eventually strike out on your own as a general contractor.

What you will learn

Upon the completion of the Associate of Applied Science degree, students will be able to:

- Work with hand and power tools
- Read blueprints and elevations
- Perform site layout tasks
- Layout and build a structure from plans
- Understand State of Montana Independent Contractor Requirements
- Identify and apply IRC Building Codes
- Install doors and windows
- Install interior and exterior trim, roofing and siding

What you will learn (continued)

- Install drywall
- Small Business Entrepreneurship

Type of college degree

Certificate of Applied Science (9 months)
Associate of Applied Science degree (2 years)

Career information

The Construction Management AAS program provides graduates with the skills required of a carpenter in a variety of construction settings common in both rural and metropolitan areas. Some of these skills include: building codes, blueprint reading and sketching, estimator, trim carpenter, siding specialist, general contractor, project manager, site layout, concrete, framing interior and exterior finish, and decks.

Job Outlook and Pay

Construction—Carpenters

Median Wage (MT)* \$39,900 yearly
\$19.18 per hour

Median Wage (US)* \$43,600 yearly
\$20.96 per hour

*Bureau of Labor Statistics, Office of Employment Projections; MT Dept. of Labor and Industry, Research and Analysis Bureau (projections through MT 2022 U.S. 2024)

**For more information visit <http://www.careerinfonet.org/Occupations>.

City College entry-level wages of graduates: **\$27,200** (2013-2016)

Construction Management

(Associate of Applied Science Degree)

Required Courses	Credits
ACTG 101 Accounting Procedures I	3
ACTG 125 QuickBooks	3
BGEN 105 Intro to Business	3
BMGT 210 Small Business Entrepreneurship	3
BMGT 281 Risk Management, Safety and Security	3
CAPP 120 Introduction to Computers	3
COMX 106 Communicating in a Dynamic Workplace	3
CSTN 120 Carpentry Basics and Rough-in Framing	4
CSTN 145 Exterior Finishing, Stair Construction, and Metal Stud Framing..4	
CSTN 147 Blueprint Reading	3
CSTN 160 Construction Concepts and Building Laboratory	5
CSTN 161 Construction Concepts and Building Laboratory II	4
CSTN 220 Interior Finishing	4
CSTN 230 Advanced Roof, Floor, Wall, and Stair Systems.....4	
CSTN 270 Foundations of Construction Project Management	3
CSTN 272 Construction Estimating Using Databases	1
CSTN 295 Construction Concepts and Building Laboratory III.....5	
CSTN 299 Capstone: Carpentry.....4	
M 114 Extended Technical Mathematics	3
WRIT 121 Introduction to Technical Writing.....3	
Total minimum credits required for degree	68

Construction Management

(Certificate of Applied Science Degree)

Required Courses	Credits
ACTG 101 Accounting Procedures I	3
CAPP 120 Introduction to Computers	3
COMX 106 Communicating in a Dynamic Workplace.....3	
CSTN 120 Carpentry Basics and Rough-in Framing	4
CSTN 145 Exterior Finishing, Stair Construction, and Metal Stud Framing..4	
CSTN 147 Blueprint Reading	3
CSTN 160 Construction Concepts and Building Laboratory	5
CSTN 161 Construction Concepts and Building Laboratory II	4
M 111 Technical Mathematics or	
M 114 Extended Technical Mathematics.....3	
WRIT 104 Workplace Communications or	
WRIT 121 Introduction to Technical Writing.....3	
Total minimum credits required for degree	35

For more information on this City College gainful employment program, such as cost, financial assistance, and placement rates, please go to:
http://www.msubillings.edu/citycollege/programs/gedt_2016/construction.html

Suggested Plan of Study (AAS degree)

First Semester	Credits
ACTG 101	3
CSTN 120.....	4
CSTN 147.....	3
CSTN 160.....	5
M 114	3
Total.....	18

Second Semester	Credits
BGEN 105	3
COMX 106.....	3
CSTN 145.....	4
CSTN 161.....	4
WRIT 121.....	3
Total.....	17

Third Semester	Credits
BMGT 210	3
CAPP 120.....	3
CSTN 230.....	4
CSTN 295.....	5
ACTG 125	3
Total.....	18

Fourth Semester	Credits
BMGT 281	3
CSTN 270.....	3
CSTN 272.....	1
CSTN 220.....	4
CSTN 299.....	4
Total.....	15

Total for degree 68

Suggested Plan of Study (CAS degree)

First Semester	Credits
ACTG 101	3
CSTN 120.....	4
CSTN 147.....	3
CSTN 160.....	5
M 111 or 114.....	3
Total.....	18

Second Semester	Credits
CAPP 120.....	3
COMX 106.....	3
CSTN 145.....	4
CSTN 161.....	4
WRIT 104 or 121	3
Total.....	17