



Business • Computers • Degree Transfer • Healthcare • Industry • Transportation

CONSTRUCTION PROGRAM

Associate of Applied Science (AAS), Construction Management

Certificate of Applied Science (CAS), Construction Technology

Do you want to be part of an exciting career field with consistently high demand for qualified job applicants? Learn the necessary skills to enter or advance within the construction industry. Experience the satisfaction of knowing you are providing an essential service to the local community and see the tangible results of your efforts. Participants in City College's Construction Program will learn how to take construction projects from the planning stages through to successful completion.

In the one-year Construction Technology certificate program, students will learn the basics of construction including framing, roofing, siding, drywall, painting, and trim carpentry through hands-on experience in our construction lab or onsite at local projects. This technical training will be combined with classroom instruction in essential business management and project planning skills including accounting and recordkeeping, entrepreneurship, blueprint reading, estimating, understanding and applying building codes and standards, and other aspects of construction project management.

The two-year associate degree program in Construction Management provides an opportunity for students to explore deeper into more advanced project management. Students build upon their skills with advanced instruction in business management, project planning and coordination, and construction estimating. The combination of these skills will prepare students for advancement from the front lines of construction into management positions and can also provide a pathway to successful small business ownership.

Find your pathway to advancement in the construction industry at City College!

What you will learn:

- Essential elements of workplace professionalism while prioritizing worksite safety
- Application of appropriate tools, materials, and equipment to complete construction tasks consistent with regional industry performance standards
- Creation and utilization of project management tools including budgets, material takeoffs, estimates, bids, and schedules to achieve successful completion of construction projects
- Understanding business structures and the roles of construction professionals common to the regional market

Estimated Program Cost

Construction Management - Associate of Applied Science (AAS)

This program will cost about **\$9,549*** [based on](#) current tuition and fees.

Construction Technology - Certificate of Applied Science (CAS)

This program will cost about **\$4,714*** based on current tuition and fees.

*Estimate is in-state tuition for a Montana resident. Tuition and fees are subject to change and do not include books, housing, or supplies.

Employment Data

Construction – Carpenters

| | |
|--------------------|-------------------------------------|
| Median Wage (MT)** | \$39,900 yearly \$19.18 per hour |
| Median Wage (US)** | \$43,600 yearly \$20.96 per hour |

| | |
|------------------------|-----|
| Expected Growth (MT)** | 29% |
| Expected Growth (US)** | 6% |

Construction – Managers

| | |
|--------------------|-------------------------------------|
| Median Wage (MT)** | \$76,460 yearly \$36.76 per hour |
| Median Wage (US)** | \$89,300 yearly \$42.93 per hour |

| | |
|------------------------|-----|
| Expected Growth (MT)** | 2% |
| Expected Growth (US)** | 11% |

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

Construction Management

(Associate of Applied Science Degree)

| Required Courses | Credits |
|---|---------|
| BGEN 105 Intro to Business..... | 3 |
| BGEN 110 Applied Business Leadership | 3 |
| BMGT 222 Principles of Project Management..... | 3 |
| BMGT 235 Management | 3 |
| BMGT 281 Risk Management, Safety and Security | 3 |
| CAPP 103 Quickbooks Fundamentals | 2 |
| CAPP 120 Introduction to Computers | 3 |
| COMX 106 Communicating in a Dynamic Workplace | 3 |
| CSTN 120 Carpentry Basics and Rough-in Framing..... | 4 |
| CSTN 142 Interior and Exterior Finishing..... | 4 |
| CSTN 147 Blueprint Reading | 3 |
| CSTN 160 Construction Concepts and Building Laboratory..... | 3 |
| CSTN 161 Construction Concepts and Building Laboratory II | 4 |
| CSTN 250 Construction Estimating..... | 3 |
| CSTN 260 Construction Concepts and Building Laboratory III..... | 3 |
| CSTN 271 Construction Project Management I..... | 3 |
| CSTN 272 Construction Estimating Using Databases | 1 |
| CSTN 281 Construction Project Management II | 3 |
| CSTN 299 Capstone: Carpentry..... | 4 |
| M 114 Extended Technical Mathematics..... | 3 |
| WRIT 121 Introduction to Technical Writing..... | 3 |

Total minimum credits required for degree64

Construction Technology

(Certificate of Applied Science Degree)

| Required Courses | Credits |
|---|---------|
| BGEN 105 Intro to Business..... | 3 |
| CAPP 103 Quickbooks Fundamentals | 2 |
| CAPP 120 Introduction to Computers | 3 |
| COMX 106 Communicating in a Dynamic Workplace..... | 3 |
| CSTN 120 Carpentry Basics and Rough-in Framing..... | 4 |
| CSTN142 Interior and Exterior Finishing..... | 4 |
| CSTN 147 Blueprint Reading | 3 |
| CSTN 160 Construction Concepts and Building Laboratory..... | 3 |
| CSTN 250 Construction Estimating..... | 3 |
| M 111 Technical Mathematics or | |
| M 114 Extended Technical Mathematics or | |
| M108 Business Mathematics | 3 |
| WRIT 104 Workplace Communications or | |
| WRIT 121 Introduction to Technical Writing..... | 3 |

Total minimum credits required for degree34

For more information on this City College gainful employment program, such as cost, financial assistance, and placement rates, please go to:

http://www.msusbillings.edu/citycollege/programs/gedt_2016/construction.html

Suggested Plan of Study (AAS degree)

| First Semester | Credits |
|-------------------|-----------|
| CAPP 103..... | 2 |
| CAPP 120..... | 3 |
| CSTN 120..... | 4 |
| CSTN 147..... | 3 |
| CSTN 160..... | 3 |
| M 114 | 3 |
| Total..... | 18 |

| Second Semester | Credits |
|-------------------|-----------|
| BGEN 105 | 3 |
| COMX 106..... | 3 |
| CSTN 142..... | 4 |
| CSTN 250..... | 3 |
| WRIT 121..... | 3 |
| Total..... | 16 |

| Third Semester | Credits |
|-------------------|-----------|
| BGEN 110 | 3 |
| BMGT 235 | 3 |
| CSTN 161..... | 4 |
| CSTN 271..... | 3 |
| CSTN 272..... | 1 |
| Total..... | 14 |

| Fourth Semester | Credits |
|-------------------|-----------|
| BMGT 222 | 3 |
| BMGT 281 | 3 |
| CSTN 260..... | 3 |
| CSTN 281..... | 3 |
| CSTN 299..... | 4 |
| Total..... | 16 |

Total for degree 64

Suggested Plan of Study (CAS degree)

| First Semester | Credits |
|-------------------|-----------|
| CAPP 103..... | 2 |
| CAPP 120..... | 3 |
| CSTN 120..... | 4 |
| CSTN 147..... | 3 |
| CSTN 160..... | 3 |
| M 111 or 114..... | 3 |
| Total..... | 18 |

| Second Semester | Credits |
|-----------------------|-----------|
| BGEN 105 | 3 |
| COMX 106..... | 3 |
| CSTN 142..... | 4 |
| CSTN 250..... | 3 |
| WRIT 104 or 121 | 3 |
| Total..... | 16 |