

Course work in this program bridges all trade and specialty areas, providing the basic technology, supervision and management skills needed in all segments of the industry. Construction Management students have a mix of required and elective coursework that provides a platform of strong fundamental skills in preparation for specialization in supervision, management or small business ownership. Construction Technology and Building Maintenance students can choose to incorporate a wide range of trade, as well as management, skills into their degree plan. Special topic seminars are offered each semester, allowing students to keep current with new trends in the industry such as LEED, BIM, energy conservation/efficiency management tools, green building techniques, etc.

The flexible programs allow you to choose courses that build on previous employment or academic experience. Consult with a Construction Technology advisor to develop your individual educational plan. Please Inquire about alternative credit pathways including: credit transfers from other colleges, credit for apprenticeship classes, and portfolio credit for prior learning (recognizing work-based skills which align with our coursework).

**Related course work may be found under:**

Air Conditioning, Heating and Refrigeration, Electricity, Fine Woodworking, Industrial Maintenance Technology, Plumbing, Process Technology, and Renewable Energy Technology.

Information: 303.914.6512

## Degrees: Associate of Applied Science

- Construction Management
- Construction Technology Technician
- Building Maintenance Technician
- Trades Degree

## Certificates:

- Construction Management 1
- Construction Management 2
- Construction Management 3
- Construction Technology Fundamentals
- Construction Technology Technician
- Building Maintenance Technician
- Building Codes

## AAS Degree

### Construction Management

Major Requirements	Credits
Construction Management Certificates 1, 2, and 3	46
<b>General Education Courses (See AAS Degree Requirements page 24)</b>	<b>15</b>
<b>Total Credits</b>	<b>61</b>

## AAS Degree

### Construction Technology Technician

You must complete a minimum of 46 credits in a variety of construction areas. Meet with your Construction Technology advisor to design an educational plan. Construction Technology electives must be pre-approved by your Construction Technology advisor.

Required Courses	Credits
Construction Technology Technician Certificate	30
Construction Technology Electives	16
<b>General Education Courses (See AAS Degree Requirements page 24)</b>	<b>15</b>
<b>Total Credits</b>	<b>61</b>

## AAS Degree

### Building Maintenance Technician

Required Courses	Credits
Building Maintenance Technician Certificate	46
<b>General Education Courses (See AAS Degree Requirements page 24)</b>	<b>15</b>
<b>Total Credits</b>	<b>61</b>

## AAS Degree

### Trades Degree

The trades AAS degree program consists of a maximum of 58 credits of trade-specific credits. Students may earn these credits via apprenticeship training (classroom and on-the-job hours) or technical education course work and training, plus a maximum of 20 credits of core general education courses at RRCC. For those registered apprentices who complete a three-year registered apprenticeship program, 20 RRCC credits will be required. For those completing a four-year or five-year apprenticeship program, 17 RRCC general education credits will be required. This program is offered jointly by RRCC, Emily Griffith Opportunity School, and the Joint Apprenticeship Training Committee.

## Certificate

### Construction Management 1

It is not required that courses be taken in this order: please consult with your Construction Management advisor to determine the most useful sequencing of courses to meet your career goals.

Required Courses	Credits
CIS 118 Intro to PC Applications	3
CON 230 Blueprint Reading	4
ENT 146 Construction Materials and Methods	3
Construction Management Major Elective Options*	4
<b>Total Credits</b>	<b>14</b>

## Certificate

### Construction Management 2

It is not required that courses be taken in this order: please consult with your Construction Management advisor to determine the most useful sequencing of courses to meet your career goals.

Required Courses	Credits
AEC 221 Building Electrical/Mechanical Systems	3
CON 262 Oral and Written Communication	2
CON 264 Contract Documents	2
CON 265 Planning and Scheduling	2
CON 267 Accident Prevention and Loss Control	2
Construction Management Major Elective Options*	5
<b>Total Credits</b>	<b>16</b>

## Certificate

### Construction Management 3

It is not required that courses be taken in this order: please consult with your Construction Management advisor to determine the most useful sequencing of courses to meet your career goals.

Required Courses	Credits
CON 245 Construction Project Management	4
CON 147 Field Engineering 1 (pending approval)	3
Construction Management Major Elective Options*	9
<b>Total Credits</b>	<b>16</b>

### \*Construction Management Major Elective Options

CON 142 International Residential Code	4
CON 143 International Building Code	4
CON 228 Estimating (EIC 217, Elect. Est. may be substituted)	4
CON 232 Managing the Submittal Process	2
CON 261 Leadership and Motivation	2
CON 263 Problem Solving and Decision Making	2
CON 266 Understanding and Managing Project Costs	2
ACC 101 Fundamentals of Accounting	3
BUS 217 Business Communication and Report Writing	3
CIS 155 PC Spreadsheet Concepts: MS Excel	3
Other MAN, SBM, BUS, or CIS courses as approved.	
Trade Classes: CAR, EIC, HVA, PLU, ENY(up to 8 credits)	
CON 280 Internship	(1-6 credits)
CON 285 Independent Study	(1-6 credits)

### Other courses as approved by Construction Management advisor

Semester schedules should be checked for special topic seminars offered under the CON program which will address current industry topics and qualify as major elective options.

## Certificate

### Construction Technology Fundamentals

Construction Technology electives must be pre-approved by your Construction Technology advisor.

Required Courses	Credits
Construction Technology Core Requirements	10
Construction Technology Electives	4
<b>Total Credits</b>	<b>14</b>

## Certificate

### Construction Technology Technician

Construction Technology electives must be pre-approved by your Construction Technology advisor.

Required Courses	Credits
Construction Technology Fundamentals Certificate	14
Construction Technology Electives	16
<b>Total Credits</b>	<b>30</b>

## Certificate

### Building Maintenance Technician

You must complete a total of 36 credits, including a minimum of four credits from four of the five program areas listed under "Building Maintenance Technician Areas of Study." No more than sixteen credits from any one area will count toward the completion of this certificate. Meet with your Construction Technology advisor to design an education plan.

Required Courses	Credits
Building Maintenance Technician Areas of Study**	36
Construction Technology Core Requirements	10
<b>Total Credits</b>	<b>46</b>

#### \*\*Building Maintenance Technician Areas of Study Courses must be pre-approved by Construction Technology Advisor

Air Conditioning, Heating, Refrigeration and Ventilation  
Carpentry/Fine Woodworking  
Electricity  
Plumbing  
Renewable Energy Technology

## Certificate

### Building Codes

Choose any two courses	Credits
CON 142 International Residential Code	4
CON 143 International Building Code	4
EIC 130 National Electrical Code I	4
EIC 135 National Electrical Code II	4
HVA 206 Mechanical Codes	4
PLU 207 International Plumbing Code	4
PLU 208 International Fuel Gas Code	4
<b>Total Credits</b>	<b>8</b>