

a great  
**place**  
to start for



# CONSTRUCTION TECHNOLOGY

The Construction Technology Program provides an opportunity for students to learn the fundamentals of blueprint reading, estimating building codes and ordinances, frame construction, roof framing, interior and exterior finishing and the safe operation and maintenance of tools and equipment. Students will spend time at a building site as well as in the classroom. They will receive instruction in blueprint reading, hand and power tool safety, house framing, and interior and exterior finish work.

Students must ride the school bus to and from the housing project site.

### The following certificates may be earned:

Construction Technology  
Advanced Construction Methods

### Class Hours

7:50-10:40 am, M, T, W, Th, F  
OR  
12:05-2:55 pm, M, T, W, Th, F

### Estimated Cost

#### Tuition\*\*/Credit Hour Fee:

<b>Semester 1:</b> \$1,845.00(Tuition) \$200.00(Credit Hour Fee) \$2,045.00	<b>Semester 3:</b> \$1,722.00(Tuition) \$190.00(Credit Hour Fee) \$1,912.00
<b>Semester 2:</b> \$1,599.00(Tuition) \$180.00(Credit Hour Fee) \$1,779.00	<b>Semester 4:</b> \$1,599.00(Tuition) \$180.00(Credit Hour Fee) \$1,779.00

**Program Charges:** \$500.00/semester\*

**Student ID:** \$10.00/yearly

**CTSO Charge:** \$20.00/yearly

**Safety Glasses:** \$5.00 (plus tax)

**Tools and other supplies:** \$175.00 (approx)

#### Estimated Totals:

**Construction Technology Certificate:** \$5,156.00 (plus tax)

**Advanced Construction Methods Certificate:** \$9,847.00 (plus tax)

#### Optional Costs:

**SkillsUSA Work Force Ready Assessment for Construction:** \$20.00

#### Mandatory to be purchased off campus (estimated):

**Books:** \$102.00 (plus tax)

Students will be required to pay the program charge each semester they attend\*  
Based on Colorado Resident In-State Tuition\*\*

*Additional costs may apply. All books, kits & supply costs are estimated. Cost, information, and classes are subject to change at any time.*

*This certificate is eligible for Financial Aid. You may begin the Financial Aid process by completing your Free Application for Federal Aid (FAFSA) at [www.FAFSA.ed.gov](http://www.FAFSA.ed.gov). If you have further questions, please call (303)344-4910, ext 27797.*

**PICKENS**  
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Cost and information revised **October 2020**

## CONSTRUCTION TECHNOLOGY CERTIFICATE

**Certificate Length:** 2 Semesters

### Courses required for this certificate:

CAR 103 Carpentry Basics  
CAR 104 Floor and Wall Construction  
CAR 106 Construction and Roof Design  
CAR 134 Exterior Finishes and Trim  
CAR 135 Thermal and Moisture Methods and Materials  
CAR 146 Interior Finishes/Drywall Construction  
CAR 147 Interior Carpentry  
CON 106 Site Prep Through Foundation  
CON 109 Flooring, Tile and Wood

### Construction Technology Certificate Total:

Clock Hours: 540 Credit Hours: 28

## ADVANCED CONSTRUCTION METHODS CERTIFICATE

**Certificate Length:** 2 Semesters

*This certificate is a combination of the Construction Technology Certificate and the following courses:*

Courses required for this certificate:

CAR 206 Advanced Floor and Wall Construction  
CAR 207 Advanced Construction and Roof Design  
CAR 208 Advanced Exterior Finishes and Trim  
CAR 209 Advanced Interior Carpentry  
CON 113 Jobsite Planning Through Foundation  
CON 128 Cost Estimation  
CON 130 Blueprint Reading  
CON 210 Advanced Flooring, Tile and Wood

### Advanced Construction Methods Certificate Total:

Clock Hours: 1080 Credit Hours: 55

*Please visit [www.pickenstech.org](http://www.pickenstech.org) to view our catalog online for course description*

## Career Opportunities: What's your next job?

Even when new construction is slow there are several opportunities in the construction world. Skills are transferable to remodeling, room additions, basement finishes, and Fix and flip. You can become a specialist in any area of the construction industry. There are also opportunities in tenant finish for offices and store fronts. Or further your education and become Supervisors, Construction Managers, Engineering (structural and civil), Estimators, and Sales.

## Work Environment

People in the construction industry work indoors and outdoors, in the heat and in the cold. Locations can change from day to day.

## Skills Needed

- Basic math
- Reading (Interpret blueprints and product specifications)
- Thinking critically
- Making decisions
- Problem solving
- Work with hand tools
- Lift heavy objects

**Salary Range:** \$14.00- \$19.00 an hour or \$29,000-\$39,000 a year

## Careers

Carpenter  
Exterior Finisher  
Interior finisher  
Roofer  
Drywall Installer  
Flooring Installer

## Further your education to become:

Civil Engineer  
Surveyor  
Construction Manager  
Estimator  
Structural Engineer  
Architect

