

# CONSTRUCTION TECHNOLOGY

Construction Technology prepares students for employment in construction, construction inspection, and carpentry/millwork through the study of building trades and inspection.



## WHAT YOU WILL LEARN

•Drafting Techniques •Residential Building Codes & Inspection •Plumbing •Structural Framing •Electrical Systems •Cabinet & Furniture Design •Structural Inspection Principles of Concrete, Wood & Metal •Safe Operation of Construction Tools •Green Building •Residential Construction

## WHERE DO YOU SEE YOURSELF?

•Carpenter •Finish Installer •Construction Manager Assistant •Materials Estimator Assistant  
•Concrete Installers •Retail Sales • Construction Sales •Building Inspector •Structural Framers

## PAY RANGE

Average salary for entry-level is between \$17 - 25 per hour.

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## DEGREE & CERTIFICATES OFFERED

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Associate of Science in Construction Technology - 60 units  
Certificate of Achievement in Construction Technology - 38 units  
Skill Certificate in Carpentry/Millwork - 12 units  
Skill Certificate in Construction Inspection - 15 units  
Skill Certificate in Construction Management - 13 units

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## CLASSES YOU MIGHT TAKE

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### **CT 100 Construction Drawing & Design Analysis**

This course is a basic drafting course which incorporates architectural drafting techniques and standards progressing from fundamentals to completion of light construction drawings, basic floor plans, elevations, details and respective building code analysis through computer automated drafting.

### **CT 132 Basic Building System & Codes**

Basic building systems theory, including foundations, walls, roofs, mechanical, electrical, corresponding building codes and inspections. Integration of building related to the environment and human aspects of building.

### **CT 205 Plumbing Installation and Design**

This course offers basic plumbing theory and a study of the materials and installation procedures used in residential plumbing.

### **CT 220 Construction Practices 1**

This course teaches hands-on construction practices on a construction site to construct specific building projects to plans and specifications and to develop or enhance building skills.

### **CT 250 Basic Carpentry & Construction Practices**

Introduction to construction tools, materials, measuring, millwork, and basic construction practices.

### **CT 260 Interior Millwork**

Students will learn safe practices while using power equipment and hand tools, proper measurements, wood identification and various aspects of interior trim. This course is intended for students with little or no prior wood shop experience, but will also challenge those with previous wood knowledge.

### **CT 262 Cabinet & Furniture Construction**

This course offers concepts of cabinet design, furniture design, layout, construction, safety and millworking for building individual projects.

### **CT 270 Residential Wiring**

Students will learn practical applications of residential electrical systems, including branch circuits, distribution, transformers, system components, power calculations for voltage, current, wattage, and NEC application.

Get Started at [COS.EDU/Apply](https://www.cos.edu/Apply)