



# Construction Certificate

This program prepares students for entry into the building and construction industry as a general tradesperson; and prepares students working within the industry for advancement.

Total Units: 24

## First Year

### Semester 1

15 Units

COURSE	UNITS	PRE-REQS^	SEMESTERS OFFERED*
<b>CONST 105</b> <b>Z</b> Rough Carpentry I - Tools, Materials, and Foundations	3		F
<b>CONST 106</b> <b>Z</b> Rough Carpentry II - Floors, Walls, and Roof Framing	3		F, S
<b>CMT 300</b> Introduction to Construction Plans and Specifications <b>or</b>	3	Co-req: CMT 310	F, S
<b>BIT 102</b> Plan Reading and Non-Structural Plan Review	3	Advisory: ADT 300 & BIT 100	Check Class Schedule for offering
<b>CMT 310</b> <b>Z</b> Materials of Construction	3	Advisory: CMT 300	F, S
<b>CMT 136</b> <b>Z</b> Construction Safety	3	Advisory: CMT 300	F(O)

**Z** At least one section of this course is offered with free textbooks and is labeled as zero textbook costs (ZTC). If it is a GE area class or elective, there may be several ZTC offerings to fulfill the GE requirement. Use the Free Textbook filter to find these courses. Learn more on the [ZTC page of the college website](#).

### Semester 2

9 Units

COURSE	UNITS	PRE-REQS^	SEMESTERS OFFERED*
<b>CONST 107</b> <b>Z</b> Rough Carpentry III - Exterior Finishes	3		F, S
<b>CONST 108</b> <b>Z</b> Finish Carpentry I - Interior Finish	3		S

## Career

### Options/Outlook:

Construction laborers perform tasks involving physical labor at construction sites. May operate hand and power tools of all types: air hammers, earth tampers, cement mixers, small mechanical hoists, surveying and measuring equipment, and a variety of other equipment and instruments. May clean and prepare sites, dig trenches, set braces to support the sides of excavations, erect scaffolding, and clean up rubble, debris, and other waste materials. May assist other craft workers.

### A sample of reported job titles:

Construction Laborer, Construction Worker, Curb and Gutter Laborer, Drain Layer, Drop Crew Laborer, Helper, Laborer, Post Framing, Skill Labor, Union Laborer

### Projected job openings in California (2020-2030):

16,290

### Projected growth in California (2020-

COURSE	UNITS	PRE-REQS^	SEMESTERS OFFERED*
<b>CMT 112</b> <b>Z</b> Construction Estimating	3	Advisory: CMT 310	F, S

**Z** At least one section of this course is offered with free textbooks and is labeled as zero textbook costs (ZTC). If it is a GE area class or elective, there may be several ZTC offerings to fulfill the GE requirement. Use the Free Textbook filter to find these courses. Learn more on the [ZTC page of the college website](#).

^You must have passed the prerequisite course(s) with a "C" or better; Corequisite must be taken during the same semester; Advisory means it is recommended but not required to enroll in the course.

\*(O) = Online available, (P) = Partially online

## 2030):

17% growth

## Median Salary in California (2021):

\$47,490/yr

## Source:

<https://www.onetonline.org/link/summary/47-2061.00>

## About this map:

This program map represents one possible pathway to complete the program. Please see a counselor to create an education plan that is customized to meet your needs. This map is not a guarantee of course availability or financial aid applicability.

## Zero Textbook Costs (ZTC):

The Zero Textbook Costs designation and logo are added to any course that provides free access to all required instructional materials. These are typically shared with students through Canvas. Courses that are designated as ZTC may still require students to purchase supplemental materials such as lab coats, a calculator, art supplies, etc. See full definitions and searching tips on the [Zero Textbook Costs page](#) of the college website.