

CONSTRUCTION TECHNOLOGY CERTIFICATE

PROGRAM CODE: 2C21271

The **Construction Technology Certificate** is designed to lead to entry-level employment in the construction industry as well as industry-related positions. This certificate requires a total of 29-32.5 units. A grade of C or better is required in each course taken. At least half of the units toward this certificate must be completed at Fullerton College.

Code	Title	Units
Required Courses (17 units):		
CSTR 006 F	Residential Plumbing and Mechanical Systems	3
CSTR 100 F	Residential Construction	4
CSTR 102 F	Residential Finish Carpentry	4
CSTR 104 F	Concrete and Masonry	3
CSTR 110 F	Residential Estimating	3
Restricted Electives (12-15.5 units):		12-15.5
CSTR 005 F	Construction Technology Lab	0.5-2
CSTR 007 F	Residential Electrical Systems	2
CSTR 014 F	Contractors License Law	3
CSTR 015 F	Construction Management	3
CSTR 016 F	Business Administration for the Construction Industry	3
CSTR 020 F	Remodeling and Additions Construction I	4
CSTR 022 F	Remodeling and Additions Construction II	4
CSTR 028 F	Introduction to Alternative Energy	3
CSTR 030 F	Construction Plans Reading (formerly Construction Blueprint Reading)	3
CSTR 031 F	International Building Code	3
CSTR 032 F	Uniform Plumbing Code	3
CSTR 033 F	Commercial Construction Blueprint Reading	3
CSTR 034 F	National Electrical Code	3
CSTR 035 F	California Accessibility and Energy Codes	3
CSTR 038 F	Uniform Mechanical Code	3
CSTR 039 F	Commercial Mechanical Code	3
CSTR 040 F	Building Design - Hazard Materials	3
CSTR 041 F	International Residential Code	3
CSTR 042 F	Residential Steel Frame Construction	4
CSTR 050 F	Computer Design Software for the Contractor	2
CSTR 060 F	Computer Estimating in Construction	3
CSTR 065 F	Construction Project Scheduling	3
CSTR 108 F	Surveying for Builders	2
CSTR 112 F	Construction Materials, Specifications and Purchasing	2
CSTR 116 F	Residential Construction Practice I	4
CSTR 118 F	Residential Construction Practice II	4
Total Units		29-32.5

Outcome 1: Interpret plans to facilitate project layouts.

Outcome 2: Apply math calculations, formulas, and measurement techniques required in the carpentry trade.

Outcome 3: Use and operate construction tools safely and efficiently.

Outcome 4: Locate, identify, and correctly apply building code constraints to a specific design or construction problem.

Outcome 5: Estimate costs of overall projects layout.

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