

San José City College
Certificate of Achievement
Level 2
2021-2022

CONSTRUCTION TECHNOLOGY
Residential Maintenance

Successful completion of the Construction Technology program prepares students for entry into the construction trades, which require a technical skill and understanding of construction processes. Highlights: Program designed for immediate employment, upgrading of job skills, and potential opportunities for career self-employment. Courses can be transferable to four-year institutions.

Upon completion of program students will be able to:

1. Demonstrate appropriate use of construction tools, methods and materials, follow safety practices and procedures used in the industry.
2. Demonstrate understanding of construction terms, concepts, and hands-on applications.
3. Read and interpret building codes, blueprints, manuals, specifications, shop drawings.
4. Apply effective use of emerging technologies in the construction trades including application Virtual Design and Construction (VDC) and energy efficiency.

CAREER OPTIONS:

- Building Inspector
- Carpenter
- Concrete Form Setter
- Construction Worker
- Construction Management
- Contractor
- Estimator
- Home Improvement Material Retail Sales
- Insulation Installer
- Painter
- Plumber
- Electrician
- Drywall Hanger, Taper, and Texturing
- Roofer
- Plumber

All major courses must be completed with a grade of “C” or better.

CERTIFICATE OF ACHIEVEMENT - LEVEL 2: Residential Maintenance

CNSTR 101A	Tools, Materials, and Safety	2
CNSTR 101B	Residential Construction Framing	3
CNSTR 102A	Residential Plumbing Systems	3
CNSTR 102B	Residential/Commercial Wiring	3
CNSTR 110	Building Information Modeling (BIM) 101	3
CNSTR 117	OSHA Construction Safety Standards	1

Approved Major Electives

Complete 3 non-duplicated units from the following approved major electives:

CNSTR 103	Roof Framing Systems	3
CNSTR 104	Interior/Exterior Finish	3
CNSTR 107	Principles of Contracting	3
CNSTR 116	Estimating	3
CNSTR 118	Project Management for Construction	3
CNSTR 128	National Electrical Code & Calculations	3
CNSTR 138	Work Experience	1 - 8
FMT 100	Introduction to Facilities Maintenance	3.5
SOLAR 102	Introduction to Photovoltaic Installation	3.5
TOTAL REQUIRED UNITS		18

FOR ADDITIONAL INFORMATION, SEE A COUNSELOR, VISIT THE CAREER/TRANSFER CENTER, OR CONTACT THE FOLLOWING:

Faculty: David Lomax, david.lomax@sjcc.edu (408) 298-2181 ext. 3971
 Business and Workforce Development Division (408) 288-3781
 San José City College Web Page www.sjcc.edu

Prepared by the SJCC Articulation Office and is subject to change without notice. This major sheet should be used for advisory purposes only. See a counselor for assistance in preparing your individual course plan. It is ultimately the individual student's responsibility to ensure that all requirements are met.