

**San José City College**  
**Certificate of Achievement**  
**Level 1**  
**2021-2022**

---

**CONSTRUCTION TECHNOLOGY - Residential Carpentry**

---

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. A grade of “C” or better is required in all major, certificate and major elective courses.

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, and concepts, with hands-on applications.
3. Read and interpret building codes, blueprints, manuals, specifications, and 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 Information Modeling (BIM)
- Building Inspector
- Carpenter
- Concrete Form Setter
- Construction Worker
- Construction Management
- Contractor
- Drywall Hanger, Taper, and Texturing
- Estimator
- Home Improvement Material Retail Sales
- Insulation Installer
- Painter
- Plumber
- Residential Maintenance
- Roofer
- Electrician

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

**CERTIFICATE OF ACHIEVEMENT - LEVEL 1: Residential Carpentry Technology**

CNSTR 101A	Construction Tools, Materials, and Processes	2
CNSTR 101B	Residential Construction Framing	3
CNSTR 110	Building Information Modeling (BIM) 101	3
CNSTR 117	OSHA Construction Safety Standards	<u>1</u>
<b>TOTAL REQUIRED UNITS</b>		<b>9</b>

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

Faculty: David Lomax, [david.lomax@sjcc.edu](mailto:david.lomax@sjcc.edu)  
Business and Workforce Development Division  
San José City College Web Page

(408) 298-2181 ext. 3971  
(408) 288-3781  
[www.sjcc.edu](http://www.sjcc.edu)