

## **CONSTRUCTION TECHNOLOGY**

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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. Students planning on transferring to a four-year institution should review major sheet for an Associate in Arts in Construction Technology. 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:

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

### **CAREER OPTIONS:**

Building Inspector	Home Improvement Material Retail Sales
Cabinet Making	Insulation Installer
Carpenter	Millwrights
Ceramic Tile Installer	Painting
Concrete	Plasterer
Construction Management	Plumbing
Contractor	Real Estate Maintenance
Drywall Installer, Taper and Texture	Residential Maintenance
Electrical	Roofing
Estimator	Stage Hand
Furniture Making	

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

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408-288-3781  
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## ***Construction Technology AS and Certificates of Achievement***

<b><u>CERTIFICATE OF ACHIEVEMENT - LEVEL 1: Residential Carpentry Technology</u></b>			<b><u>UNITS</u></b>
CNSTR	101A	Construction Tools, Materials, and Processes	4
CNSTR	101B	Residential Construction Framing	4
CNSTR	103	Roof Framing Systems	4
CNSTR	104	Interior/Exterior Finish	4
CNSTR	117	OSHA Construction Safety Standards	1
<b>TOTAL</b>			<b>17</b>
<b><u>CERTIFICATE OF ACHIEVEMENT - LEVEL 2: Residential Maintenance</u></b>			
CNSTR	101A	Construction Tools, Materials, and Processes	4
CNSTR	102A	Residential Plumbing Systems	3
CNSTR	102B	Residential/Commercial Wiring	4
CNSTR	104	Interior/Exterior Finish	4
Approved Major Electives: complete three <u>non-duplicated</u> units from approved list			3
<b>TOTAL</b>			<b>18</b>
<b><u>CERTIFICATE OF ACHIEVEMENT - LEVEL 3: Construction Technology</u></b>			
CNSTR	101A	Construction Tools, Materials, and Processes	4
CNSTR	101B	Residential Construction Framing	4
CNSTR	102A	Residential Plumbing Systems	3
CNSTR	102B	Residential/Commercial Wiring	4
CNSTR	105	Concrete Construction	4
CNSTR	115	Blueprint Reading	2
CNSTR	116	Estimating	2
CNSTR	117	OSHA Construction Safety Standards	1
CNSTR	118	Project Management for Construction	1
CNSTR	120	Building Code for the Construction Industry	2
CNSTR	125	Green Construction	3
Approved Major Electives: complete three <u>non-duplicated</u> units from approved list			3
<b>TOTAL</b>			<b>33</b>
<b><u>A.S. DEGREE REQUIREMENTS:</u></b>			
COMPLETION OF CERTIFICATE OF ACHIEVEMENT - LEVEL 3			33
APPROVED MAJOR ELECTIVES			3
GENERAL EDUCATION PATTERN/GRADUATION REQUIREMENTS			24
PHYSICAL ACTIVITY			1
<b>TOTAL REQUIRED UNITS</b>			<b>61</b>
<b><u>APPROVED MAJOR ELECTIVES:</u></b>			
CNSTR	103	Roof Framing Systems	4
CNSTR	104	Interior/Exterior Finish	4
CNSTR	105	Concrete Construction	4
CNSTR	107	Principles of Contracting	3
CNSTR	109A	Basic Cabinet/Furniture Making	3
CNSTR	110	Architectural Drawing and Home Planning	3
CNSTR	116	Estimating	2
CNSTR	117	OSHA Construction Safety Standards	1
CNSTR	118	Project Management for Construction	1
CNSTR	120	Building Code for the Construction Industry	1
CNSTR	128	National Electrical Code & Calculations	4
CNSTR	130	House Building Practicum	4.5
*CNSTR	138	Construction Work Experience	1-8
FMT	100	Introduction to Facilities Maintenance	3.5
SOLAR	102	Introduction to Photovoltaic Installation	3.5