

CERTIFICATE OF ACHIEVEMENT IN CONSTRUCTION TECHNOLOGY

This certificate prepares students for entry-level employment in the field of Construction Technology. Students completing this certificate will acquire skills in basic construction management, knowledge of basic building codes and code authority enforcement, basic concepts of building systems, construction print reading and development, knowledge of computer programs utilized in managing construction projects and managing quality in construction.

Program Outcomes

- Identify each of the components of typical wood frame construction, and describe each component's respective purpose.
- Demonstrate safe and proper use of power tools used in the construction field.
- Properly assemble a wood framed wall including door and window components by following a construction drawing.

Career Opportunities

Upon successful completion of this certificate, students will be prepared for employment in the following fields: assisting construction managers, materials take-off and assisting materials estimators, drafting plans, entry-level carpenters, entry-level finish carpentry, entry-level concrete installers, retail sales, outside sales for building materials or services.

Program Requirements

Code	Title	Units
REQUIRED CERTIFICATE COURSES		30
CT 100	Construction Drawing and Design Analysis 1	4
CT 101	Construction Drawing and Design Analysis 2	4
CT 105	Computer Assisted Construction Theory	4
CT 205	Plumbing	3
CT 220	Construction Practices I	3
CT 221	Construction Practices 2	3
CT 222	Construction practices 3	3
CT 223	Construction Practices 4	3
CT 270	Residential Wiring	3
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RESTRICTED ELECTIVES		7-8
Select two of the following courses:		
CT 132	Basic Building System & Codes	3
CT 250	Basic Carpentry and Construction Practices	4
CT 260	Interior Millwork	4
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TOTAL		37-38

The Certificate of Achievement requirements include completion of the certificate courses with a "C" or better grade in each course. Required and support courses may be substituted with the approval of the Industry & Technology Division Chair.