

SKILL CERTIFICATE IN CONSTRUCTION THEORY

Students completing this certificate will acquire skills in designing residential dwellings, operating CAD programs, developing computer-operated construction schedules, estimating construction materials using computer-aided spreadsheet programs, reading residential blueprints, and calculating quantities of building materials from construction plans as well as learning components of residential dwellings.

Program Outcomes

- Students will be equipped with knowledge in residential design and construction.
- Students will be able to show efficiency in estimating construction materials by using a residential plan set and other computer based estimating programs.

Career Opportunities

Upon successful completion of this certificate, students will be prepared for employment in the following: entry-level plan drafting, entry-level construction estimating and scheduling, assistant to construction managers, retail sales in construction-related supply businesses, assistants to residential sales managers.

Program Requirements

Code	Title	Units
REQUIRED CERTIFICATE COURSES		
CT 100	Const Draw & Design Analysis 1	4
CT 101	Const Draw & Design Analysis 2	4
CT 105	Computer Asst. Const. Theory	4
CT 132	Basic Building System & Codes	3
=		
TOTAL		15

The Skill Certificate 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.