

BUILDING CONSTRUCTION MANAGEMENT, Certificate - 4250

Engineering & Technology Department
CIP Code: 15.1001

The Building Construction Management certificate prepares students for entry-level positions in the construction/contracting field as quantity take-off technicians and estimators, schedulers, and construction inspectors. All graduates acquire a general knowledge of the overall construction process. The complete program is available through Virtual Learning.

Career Opportunities

Graduates of the certificate are prepared for positions in the construction/contracting field as project managers, construction schedulers, construction inspectors, construction estimators, and quantity take-off technicians. (***SOC Code: 47-1011 Supervisors-Construction Trades and Extraction Workers***)

Competency Profile

This curriculum is designed to prepare students to:

- Demonstrate the ability to estimate quantities and costs for the bidding process in a construction project
- Demonstrate the ability to schedule a basic construction project
- Demonstrate the ability to use current technology related to the construction process
- Interpret construction documents (contracts, specifications, and drawings) used in managing a construction project
- Apply basic principles of construction accounting
- Discuss basic principles of ethics in the construction industry
- Identify the fundamentals of contracts, codes, and regulations that govern a construction project
- Recognize basic construction methods, materials, and equipment
- Recognize basic safety hazards on a construction site and standard prevention measures

PROGRAM REQUIREMENTS (TOTAL CREDITS = 30)

General Education	Major Requirements		Other Required Courses	
	ARCH 110 Construction Print Reading	3	MGMT 227 Project Management	3
	ARCH 111 Architectural Graphics I	3	Program Specific Elective*	<u>3</u>
	ARCH 130 Construction Materials and Methods	3		6
	ARCH 135 Codes, Specifications & Safety	3		
	BCT 212 Construction Contracts and Related Laws	3		
	BCT 215 Construction Estimating	3		
	BCT 216 Construction Planning and Scheduling	3		
	BCT 217 Construction Project Administration	<u>3</u>		
		24		

*Select courses from the following: ARCH 214, 251, 253; or BCT 211.

RECOMMENDED SEQUENCE FOR FULL-TIME STUDENTS

Part time students can complete this program by taking one or more courses each semester.

Fall Semester I		Spring Semester I	
ARCH 110	3	ARCH 130	3
ARCH 111	3	ARCH 135	3
BCT 212	3	BCT 215	3
BCT 216	3	BCT 217	3
MGMT 227	3	Program Elective*	3