

CONSTRUCTION MANAGEMENT CERTIFICATE

Program code: CNMG-CC

Location: Capital

Program Description

This certificate will prepare students for immediate employment in entry level jobs in the construction industry. Graduates of the program will acquire basic knowledge and skills in administrative procedures, resource management and construction processes for building systems and heavy/highway systems. Further, graduates will have the ability to utilize construction documents for quantity take-offs, participate in construction job-site office meetings and provide related documentation and correspondence. All credits in this certificate are directly transferable into the Construction Management A.S. degree program at Capital.

Learning Outcomes

Upon successful completion of all program requirements, graduates will be able to:

1. Interpret and effectively utilize construction and construction-related documents including reference materials, contracts, and specifications.
2. Prepare quantity take-offs using manual mathematical models/ techniques and takeoff software.
3. Estimate construction costs for bidding and assess the appropriateness of various construction methods, materials and equipment in specific situations.
4. Identify construction equipment and tools and their use in Building Systems and Heavy/Highway Systems.

Certificate Requirements

Code	Title	Credits
Required Courses		
ACCT 1130	Principles of Financial Accounting	3
CMGT 1110	Construction Graphics/Quantity Take-Off	3
CMGT 1120	Construction Project Administration	3
CMGT 1150	Construction Building Systems	3
CMGT 1160	Heavy/Highway Systems	3
CMGT 2150	Construction Building Estimating	3
CMGT 2160	Heavy/Highway Estimating	3
CSA 1110	Introduction to Software Applications	3
ENG 1010	Composition	3
MATH 1010 or higher		3-4
Total Credits		30-31