

CONSTRUCTION MANAGEMENT (CMGT)

CMGT 1110 Construction Graphics/Quantity Take-Off (3 Credits)

Understand and interpret construction documents for building and heavy/highway construction. Focus of course will be on the analysis of architectural and structural drawings and specifications. Understand quantity take-off processes and conduct take-offs of site work, concrete, rough carpentry, light -gage steel construction, masonry, steel, sheathing and interior finishes.

Previous: Legacy Equivalent(s): CTC* 140

CMGT 1120 Construction Project Administration (3 Credits)

Examination of the role of the Construction Project Administrator. Emphasis on interpretation of construction documents and administration of project-related documents and reports associated with the construction process.

Previous: Legacy Equivalent(s): ARC* 221

CMGT 1150 Construction Building Systems (3 Credits)

Prerequisites: ENG 1010

Previous: Legacy Equivalent(s): CTC* 222

CMGT 1160 Heavy/Highway Systems (3 Credits)

Prerequisites: ENG 1010

Previous: Legacy Equivalent(s): CTC* 224

CMGT 2150 Construction Building Estimating (3 Credits)

Prerequisites: CMGT 1110, CMGT 1150

Additional fees may apply

Previous: Legacy Equivalent(s): CTC* 229

CMGT 2160 Heavy/Highway Estimating (3 Credits)

This course examines the role of the Heavy/Highway construction estimator. The focus is on reviewing construction costs in more detail for the purpose of construction estimating and bidding. Estimation of cost calculations will include pricing labor, material, and equipment costs as they relate to civil construction projects

Prerequisites: CMGT 1110, CMGT 1160

Additional fees may apply

Previous: Legacy Equivalent(s): CTC* 234

CMGT 2230 Construction Safety (3 Credits)

This course examines the role of the Heavy/Highway construction estimator. The focus is on reviewing construction costs in more detail for the purpose of construction estimating and bidding. Estimation of cost calculations will include pricing labor, material, and equipment costs as they relate to civil construction projects.

Prerequisites: CMGT 1150, CMGT 1160

CMGT 2275 Construction Planning (3 Credits)

Examination of the role of the construction planner/ scheduler. Emphasis on CPM scheduling using arrow and precedence diagram techniques. Procedures associated with determining project completion dates, progress, schedule updating, and project time reduction.

Prerequisites: CMGT 2150, CMGT 2160

Additional fees may apply

CMGT 2285 Construction Project Management (3 Credits)

Students will successfully be able to demonstrate procedures as a construction management professional including sustainable practices such as quality control, sustainable materials, understanding and interpretation of state high performance building codes. Students will gain familiarity with project documents, and communication between construction and design elements.

Prerequisites: CMGT 1150, CMGT 1160

Additional fees may apply

Previous: Legacy Equivalent(s): CTC* 220

CMGT 2500 Construction Business Principles (3 Credits)

Examination of the role of financial management and accounting in the construction industry. Emphasis on ethical, organizational, financial, legal, managerial, and accounting issues.

Prerequisites: ACCT 1130, CMGT 2285