

CONSTRUCTION MANAGEMENT TECHNOLOGY (CMTE)

CMTE 100 - Occupational Safety & Health (2)

Identifies factors and practices that aid in accident prevention and elimination of hazards in the workplace. Topics will include liability, standards, OSHA, hazard control, accident investigation, and safety management.

CMTE 101 - Construction Management (3)

Prerequisite: ENGL 70 OR Appropriate score on placement test [Accuplacer Next Gen minimum score: Reading 237 or (Reading 229 & Writing 237) or ESL Reading 102 or ESL 276 overall]
(formerly CON 101)

Introduces the construction management process, each party's roles and responsibilities, forms of construction management delivery systems, and construction documents. Students will describe the role of the construction manager within the context of ensuring timely, high quality, profitable, and safe construction projects.

CMTE 130 - Materials & Methods of Construction (3)

Prerequisite: ENGL 70 OR Appropriate score on placement test [Accuplacer Next Gen minimum score: Reading 237 or (Reading 229 & Writing 237) or ESL Reading 102 or ESL 276 overall]
(formerly CON 132)

Provides the construction manager with a fundamental understanding of materials and methods of construction. Emphasizes properties of materials, engineering methods, construction methods, testing methods, and related building codes. This course focuses on soil, earthwork, foundations, paving, concrete, masonry, thermal products, roofing, wood construction, steel construction, exterior and interior finishes, glazing, windows, doors, exterior wall systems, cladding, interior walls/partitions, finish ceilings, and flooring.

CMTE 140 - Architectural Blueprint Reading (3)

Prerequisite: ENGL 70 OR Appropriate score on placement test [Accuplacer Next Gen minimum score: Reading 237 or (Reading 229 & Writing 237) or ESL Reading 102 or ESL 276 overall]
(formerly CON 140)

Introduces basic blueprint and construction document reading methodology. Develops the practice of utilizing construction documents as an important communication tool in the construction process. Areas of focus include views, symbols, scales, dimensions, materials, construction methods, and terminology used in the various disciplines included in construction documents.

CMTE 200 - Site Management (3)

Prerequisites or Co-requisites: (CMTE 101 or BLDT 101) and (CMTE 130 or CON 132)
(formerly CON 203)

Examines the principles that apply to planning and managing construction project field operations. Major areas of focus include documentation and recordkeeping, jobsite layout and control, project safety, jobsite labor relations, subcontracting and purchasing, time and cost control, changes and claims, quality management, payments, and project closeout.

CMTE 210 - Construction Project Cost Estimating (3)

Prerequisites: (CMTE 101 or CMTE 130 or CON 133 or CADT 101) and CMIS 101 and (MA 80 or appropriate score on mathematics placement test)
(formerly CON 204)

Introduces cost estimating concepts and methodologies that apply to the construction industry. Areas of emphasis include estimating techniques, quantity take-off, pricing, material and labor estimation, estimating by division, bidding, and computer applications.

CMTE 220 - Construction Project Scheduling (3)

Prerequisites: CMTE 101 and CMTE 140
(formerly CON 206)

Introduces the concepts and procedures in preparing a project schedule. Bar charts, critical path method, and computer applications are examined. Students will use sample projects and case studies to apply scheduling concepts.