

ONLINE – CONSTRUCTION MANAGEMENT

Administered by: Department of Civil and Environmental Engineering
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Degrees Offered: Master of Science in Civil Engineering

Master of Science in Civil Engineering

Intended for engineering students who want broad technical competence in construction/facilities engineering and management.

Admission Requirements

Students are expected to have an undergraduate degree in engineering.

Bridge Program - Students who lack an appropriate background are asked to make up deficiencies by taking a program of courses that is designed in consultation with the graduate advisor. These courses are taken in addition to the degree requirements. Please note that the prerequisites for bridge courses must also be met.

MATH 112	Calculus II
MATH 279	Statistics & Probability for Engr
CE 200/200A	Surveying/Surveying Lab
CE 210	Constr. Materials & Procedures
CE 341/341A	Soil Mechanics/Soils Lab
MECH 320	Statics & Mechanics of Materials
CS 101	Computer Applications

Degree Requirements

A minimum of 30 degree credits, not including any bridge courses, is required. Candidates must consult with the graduate advisor (not thesis advisor) in designing appropriate programs of study.

Students must attain a minimum GPA of 3.0 in the core courses listed below, and a minimum overall GPA of 3.0.

Students receiving financial aid at any point in their studies must complete 6 credits of CE 701 Master's Thesis.

Core Courses

15 credits as follows:

CE 610	Construction Management
CE 611	Project Planning and Control
CE 614	Underground Construction
CE 616	Construction Cost Estimating
CE 711	Methods Improvement in Construction

General Technical Electives

6 to 9 credits as follows:

CE 620	Open Channel Flow
CE 617	Historic Preservation
CE 621	Hydrology
TRAN 603	Intro to Urban Transportation Planning
TRAN 752	Traffic Control

Management/Leadership Electives

6 to 9 credits as follows:

EM 602	Management Science
EM 632	Legal Aspects in Construction
HRM 601	Organizational Behavior