

M.S. Online in Civil Engineering

Degree Requirements

Students who lack an appropriate background are asked to make up deficiencies by taking a program of bridge courses that is designed in consultation with the graduate advisor. These courses are not typically available online and taken in addition to the degree requirements. Please note that the prerequisites for bridge course must also be met.

A minimum of 30 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 . Any students are able to substitute Master's thesis in their program.

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Code	Title	Credits
Bridge Courses		
CS 101	Computer Programming and Problem Solving	3
ECON 265	Microeconomics	3
MATH 112	Calculus II	4
MATH 105	Elementary Probability and Statistics	3
MECH 320	Statics and Strength of Materials	3
CE 200	Surveying	2
or CE 200A	Surveying Laboratory	
CE 210	Construction Materials and Procedures	3
CE 320	Fluid Mechanics	3
CE 321	Water Resources Engineering	3
CE 341	Soil Mechanics	3
CE 350	Transportation Engineering	3
Total Credits		33
Code	Title	Credits
Core Courses		
CE 610	Construction Management	3
CE 611	Project Planning and Control	3
CE 616	Construction Cost Estimating	3
CE 620	Open Channel Flow	3
CE 621	Hydrology	3
TRAN 603	Introduction to Urban Transportation Planning	3
TRAN 752	Traffic Control	3
Management/Leadership Electives		
EM 602	Management Science	3
HRM 601	Managing Organizational Behavior in Technology-Based Organizations	3
EM 631	Legal Aspects in Environmental Engineering	3
Total Credits		30