

# MASTER OF ENGINEERING IN CONSTRUCTION ENGINEERING AND MANAGEMENT

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These master of engineering programs are course-only, professionally oriented degree programs that permit a concentration in preparation for engineering practice. Admission requirements to these programs are the same as those for the master of science program. Candidates in these programs must complete a minimum of 32 credit hours, up to three of which may be a special project course—CAE 597 or ENVE 597. Up to 12 credit hours of 400-level undergraduate coursework (except CAE 431 and CAE 432) may be included in the master of engineering program with prior adviser approval. No thesis or comprehensive examination is required for completion of the degree.

The Master of Engineering in Construction Engineering and Management provides students with the knowledge and background that is essential to making decisions at site, company, industrial, and sector levels. Students learn how to plan and schedule projects, estimate and control costs, make economic decisions, administer contracts, organize construction sites, manage construction equipment, analyze productivity, optimize construction activities, plan and manage real estate developments, and address legal problems.

## Curriculum

<b>Core Courses</b>		(12)
CAE 570	Legal Issues in Civil Engineering	3
CAE 571	Lean Construction and Control	3
CAE 574	Economic Decision Analysis in Civil Engineering	3
CAE 577	Construction Equipment Management	3
<b>Elective Courses</b>		(20)
Select 20 credit hours		20
<b>Total Credit Hours</b>		<b>32</b>