

Construction Engineering and Management (Online)

Certificate in Construction Engineering and Management MS in Construction Engineering and Management

Construction Engineering & Management offers flexible, user friendly, and affordable online master's and certificate programs that allows participants to maintain employment while advancing their knowledge and skills. Program coursework is designed with industry input and provides students with essential technical and management skills required by professionals in the industry today.

Students can enter the program at any one of the three semesters during the year and choose classes to match their individual interests and career goals. Students can take classes face-to-face, participate in live-streamed lectures, or watch recorded classes at their convenience.



Tuition

Cost for the distance program is \$649.30* per credit hour, approximately \$20,000 for the 30-credit master's degree or \$7,800 for the 12-credit certificate. South Dakota residents are eligible for a discount to \$473.30* per credit hour. Other than the one-time application fee of \$35, there are no other costs except for books. Financial aid is available. Assistantships are not available in online programs.

* Based on 22/23 academic year costs.

Recent employers:

- AKWEL Cadillac
- Best International Contracting
- Denver Water
- KTM Design Solutions
- SD DOT
- US Army Corps of Engineers



Sdsmt.edu

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Advancing the frontier of innovation

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Overview

The Master of Science in Construction Engineering and Management degree is designed to provide programs of advanced study for candidates anticipating a managerial career in the construction industry. Flexibility is built into the program to provide an educational experience for working students. Course delivery enables both online and face-to-face participation for local and distance professionals. The master's is a course-work only degree and a thesis is not required. The 12-credit CEM certificate is available for those seeking advancement without completing a full degree program. Credits earned in the certificate may also be applied to the master's degree.

Why Mines?

South Dakota Mines is South Dakota's premier science and engineering university. We are STEM focused. The university enrolls approximately 2,500 students from 45 states and 37 countries. We offer personal attention and hands-on research with a 97% placement rate and high return on investment. South Dakota Mines has an entrepreneurial spirit with support for patent development and company start-ups.

Background requirements

The construction engineering and management coursework is geared towards the working construction professional. Many students enter the program after completing an appropriate undergraduate degree in the traditional disciplines of civil, electrical, mechanical, chemical, mining, architectural, or industrial engineering, but other backgrounds may be suitable.

Admission requirements

Required application materials for direct entry into the master's program include U.S. transcripts or international transcript evaluations, statement of purpose, three letters of recommendation, and evidence of English proficiency. Our application deadline is February 1 for campus students. Online students can apply up to 30 days prior to the start of the semester.

Certificate and simplified master's admissions

Students may enroll as a non-degree seeking student* to complete the 12-credit CEM certificate. A short application and an unofficial copy of the BS transcript are required to enroll; there is no application fee. The CEM certificate will be awarded upon completion of the credits and submission of an official BS transcript. Students who complete the certificate with a GPA ≥ 3.0 are eligible for entry into the online CEM master's program. Credits earned in the certificate may be applied to the master's degree.

*Non-degree seeking students typically do not qualify for financial aid or scholarships prior to entering the master's program.



**Request more
information**

apply.sdsmt.edu/register-gr-info-request

Fall courses

CEM 608 Construction Contracts
CEM 614 Scheduling
CEM 665 Construction Equipment Management
CEM 615 Legal /Ethical Issues in the Constructed Environment

Spring Courses

CEM 612 Construction Cost Estimating
CEM 606 Managing Sustainable Projects
CEM 630 Performance Management & Leadership
CEM 675 Construction Equipment Operations

Summer courses (alternate each summer)

CEM 616 Codes & Standards
CEM 619 Construction Company Management

Accreditation

South Dakota Mines is accredited by the regional Higher Learning Commission (HLC), a commission of the North Central Association of Colleges and Schools (NCA).

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