

Date Submitted: 09/17/24 3:28 pm

Viewing: **CSMGMS : Construction Management, Master of Science**

Last approved: 09/11/24 10:47 am

Last edit: 09/23/24 7:28 am

Changes proposed by: egbengts

Catalog Pages Using
this Program

[Construction Management \(CSMG\)](#)

Submitter: User ID: [egbengts micah](#) Phone:
[575-5092 575-6348](#)

Program Status Active

Academic Level Graduate

Type of proposal Major/Field of Study

Select a reason for this modification

Making Minor Changes to an Existing Certificate, Degree or Program (including 15 or fewer hours, admission/graduation requirements, Focused Studies or Tracks)

Are you adding a concentration?

No

Are you adding or modifying a track?

No

Are you adding or modifying a focused study?

No

Effective Catalog Year Fall 2025

College/School Code

College of Engineering (ENGR)

Department Code

Department of Civil Engineering (CVEG)

In Workflow

1. ENGR Dean Initial
2. GRAD Dean Initial
3. Director of Curriculum Review and Program Assessment
4. Registrar Initial
5. Institutional Research
6. CVEG Chair
7. ENGR Curriculum Committee
8. ENGR Faculty
9. ENGR Dean
10. Global Campus
11. Provost Review
12. Graduate Council
13. Faculty Senate
14. Provost Final
15. Registrar Final
16. Catalog Editor Final

Approval Path

1. 09/17/24 4:25 pm
Kevin Hall (kdhall):
Approved for ENGR
Dean Initial
2. 09/18/24 9:54 am
Ed Bengtson
(egbengts):
Approved for GRAD
Dean Initial
3. 09/18/24 4:46 pm
Lisa Kulczak
(lkulcza): Approved
for Director of
Curriculum Review

Program Code CSMGMS
 Degree Master of Science
 CIP Code

- and Program Assessment
4. 09/23/24 7:28 am
Gina Daugherty (gdaugher): Approved for Registrar Initial
 5. 09/23/24 11:35 am
Doug Miles (dmiles): Approved for Institutional Research
 6. 09/23/24 11:38 am
Micah Hale (micah): Approved for CVEG Chair
 7. 10/17/24 12:23 pm
Manuel Rossetti (rossetti): Approved for ENGR Curriculum Committee
 8. 11/13/24 8:16 am
Kevin Hall (kdhall): Approved for ENGR Faculty
 9. 11/13/24 8:17 am
Kevin Hall (kdhall): Approved for ENGR Dean
 10. 11/13/24 9:16 am
Suzanne Kenner (skenner): Approved for Global Campus
 11. 11/13/24 11:15 am
Jim Gigantino (jgiganti): Approved for Provost Review
 12. 11/23/24 7:06 am
Ed Bengtson (egbengts):

Approved for
Graduate Council

History

1. Aug 18, 2020 by
Micah Hale (micah)
2. Dec 19, 2023 by
Jean Mitchell
(jem03)
3. Sep 11, 2024 by
Amanda Corbell
(ac087)

52.2001 - Construction Management, General.

Program Title

Construction Management, Master of Science

Program Delivery

Method

Online/Web-based

Is this program interdisciplinary between two or more colleges or schools?

No

Do the proposed changes impact any specific course(s) from another college or school?

No

What are the total 30
hours needed to
complete the
program?

On-line/Web-based Information

Reason for offering

Web-based Program

Employers in Arkansas have discussed with representatives from the Department of Civil Engineering the need for an online, graduate program in Construction Management. Since the program is online, more working professionals across the U.S., not just Arkansas, can participate.

Maximum Class Size 30
for Web-based
Courses

Course delivery
mode

Method(s)
Online

Class interaction
mode

Method(s):
Electronic Bulletin Boards

Percent Online

100% with No Required Campus Component

Provide a List of
Services Supplied by
Consortia Partners or
Outsourced
Organization

Not applicable.

Estimate Costs of the 57.930.00
Program over the
First 3 Years

List Courses Taught
by Adjunct Faculty

CVEG 55003 - Construction Safety

CVEG 55103 - Construction Scheduling

CVEG 55203 - Construction Productivity

CVEG 55303 - Legal Aspects of Construction

CVEG 55403 - Sustainability in Construction Management

CVEG 55503 - Risk and Financial Management in Construction

CVEG 55603 - Building Information Modeling (BIM) for Design and Construction

Upload

Memorandum of
Understanding Forms
(if required)

Program Requirements and Description

Requirements

Program Admission Requirements: Applicants to the program must meet the following admissions requirements. This includes having a bachelor of science, bachelor of arts, or bachelor of architecture from an accredited

university. The applicant should have an undergraduate grade point average (GPA) of 3.0 or better (A=4.0) on all course work taken prior to receipt of the bachelor degree, or a GPA of 3.0 or better on the last 60 hours of course work taken prior to receipt of the bachelor degree. An entrance exam, such as the GRE, is not required.

Requirements: In addition to the requirements of the Graduate School, the following requirements have been established by the Construction Management Program. Students must complete a minimum of 30 semester hours of graduate-level credit beyond the bachelor's degree. Students must earn a minimum cumulative grade-point average of 2.85 ~~3.00~~ on all graduate courses attempted. At the completion of their course work, the students must pass a comprehensive final exam.

Course Requirements

Required Courses: Students must take 5 of the 6 courses listed below. Of the 6 courses listed below, the one not taken as a required course may be used as an elective. 15

<u>CVEG 55003</u>	Construction Safety	
<u>CVEG 55103</u>	Construction Scheduling	
CVEG-55203	Construction Productivity	3
<u>CVEG 55303</u>	Legal Aspects of Construction	
CVEG 55403	Sustainability in Construction Management	3
CVEG 55503	Risk and Financial Management in Construction	3
<u>CVEG 55603</u>	Building Information Modeling (BIM) for Design and Construction	
Select an additional three courses from any approved Master of Science in Engineering courses offered		9
<u>CVEG 55703</u>	<u>Construction Project Management</u>	
<u>CVEG 55903</u>	<u>Cost Management: Ownership</u>	
<u>Select an additional five courses from any approved Master of Science in Engineering courses offered</u>		<u>15</u>
Total Hours		30

Are Similar Programs available in the area?

Yes

List institutions in Arkansas offering similar programs

There are no online, CSMGMS programs offered in the State of Arkansas. The University of Arkansas at Little Rock offers an on-campus, CSMGMS program, but not a distance education program.

List institutions in the surrounding region offering similar programs

Missouri Science and Technology in Rolla, MO offers an online MS in Civil Engineering with an emphasis in Construction Engineering. The University of Kansas offers an online MS in Project Management which is similar to the proposed program. Louisiana State University, the University of Houston, and University of Florida all offer online CSMGMS programs, and these programs were used as a model to develop the proposed program.

Why is the Program needed if offered at other institutions?

The proposed program will address and fill a need in the construction industry. Graduates of the CSMGMS program will be able to enter the construction industry in entry level positions or be able to advance in their careers to higher level positions within the construction industry. Since the MSCM will be online, this will allow students to complete the program while continuing their careers and without having to come to campus.

Estimated Student Demand for Program 25 new students per year

Scheduled Program 2023-2024

Review Date

Program Goals and Objectives

Program Goals and Objectives

Prepare students to pursue careers in the broad field of construction management.

Prepare students to demonstrate advanced technical knowledge related to construction management.

Prepare students to pursue further education in construction management.

Learning Outcomes

Learning Outcomes

Develop a system or process to meet desired needs.

Identify and solve complex construction management problems by selecting and applying appropriate tools and techniques.

Locate and evaluate pertinent published literature relevant to a given topic, and apply the information gained to a design, analysis, or research effort.

Description and justification of the request

Description of specific change	Justification for this change
<p>Changing required GPA to remain in program from 3.0 to 2.85.</p> <p>Dropping two courses from required course list (moving from 21 hours of required courses to 15 hours) and adding two courses to the elective course requirement (moving from 9 hours of electives to 15 hours of electives).</p>	<p>The change from 3.0 to 2.85 aligns with the Graduate School threshold for academic dismissal. This also allows for students who have returned to formal education after years working in the field to not be penalized beyond the Graduate School requirement.</p> <p>Increasing the number of elective courses will provide more flexibility for students to design a program of study that meets their professional needs.</p>

Upload attachments

Reviewer Comments

Lisa Kulczak (lkulcza) (09/18/24 4:44 pm): Updated submitter information, adjusted effective date from Spring 2025 to Fall 2025, per catalog publication cycle. ATTENTION REGISTRAR: Please remove Undergraduate Council from the workflow.

Gina Daugherty (gdaugher) (09/23/24 7:28 am): Removed Undergraduate Council from workflow.

Key: 726