

# Program Change Request

## New Program Proposal

Date Submitted: 11/18/19 5:11 pm

Viewing: **CSMGMS : Construction**

## Management, Master of Science

Last edit: 11/25/19 3:55 pm

Changes proposed by: micah

Submitter: User ID: micah Phone:  
575-6348

Program Status Active

Academic Level Graduate

Type of proposal Major/Field of Study

Select a reason for Adding New Degree--(LOI 1, Proposal-1)  
this new program

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 2021

College/School Code  
College of Engineering (ENGR)

Department Code

### In Workflow

1. ENGR Dean Initial
2. GRAD Dean Initial
3. Provost Initial
4. Director of Program Assessment and Review
5. Registrar Initial
6. Institutional Research
7. CVEG Chair
8. ENGR Curriculum Committee
9. ENGR Faculty
10. ENGR Dean
11. Global Campus
12. Dean of University Libraries
13. Provost Review
14. University Course and Program Committee
15. Graduate Committee
16. Faculty Senate
17. Provost Final
18. Provost's Office-- Documentation sent to System Office
19. Higher Learning Commission
20. Board of Trustees
21. ADHE Initial
22. ADHE Final
23. Provost's Office--

Notification of

Approval

24. Registrar Final

25. Catalog Editor Final

### Approval Path

1. 10/23/19 7:38 am  
Norman Dennis  
(ndennis): Rollback  
to Initiator
2. 11/19/19 11:27 am  
Norman Dennis  
(ndennis): Approved  
for ENGR Dean  
Initial
3. 11/19/19 11:37 am  
Pat Koski (pkoski):  
Approved for GRAD  
Dean Initial
4. 11/21/19 12:27 pm  
Terry Martin  
(tmartin): Approved  
for Provost Initial
5. 11/22/19 4:55 pm  
Alice Griffin  
(agriffin): Approved  
for Director of  
Program  
Assessment and  
Review
6. 11/25/19 3:55 pm  
Lisa Kulczak  
(lkulcza): Approved  
for Registrar Initial
7. 12/02/19 4:24 pm  
Gary Gunderman  
(ggunderm):  
Approved for  
Institutional

Research

8. 12/03/19 9:02 am  
Micah Hale (micah):  
Approved for CVEG  
Chair
9. 12/04/19 12:20 pm  
Manuel Rossetti  
(rossetti): Approved  
for ENGR  
Curriculum  
Committee
10. 12/05/19 12:08 pm  
Norman Dennis  
(ndennis): Approved  
for ENGR Faculty
11. 12/05/19 12:42 pm  
Norman Dennis  
(ndennis): Approved  
for ENGR Dean
12. 12/05/19 12:49 pm  
Suzanne Kenner  
(skenner): Approved  
for Global Campus
13. 12/18/19 8:08 am  
Dennis Clark  
(dennisc): Approved  
for Dean of  
University Libraries

Department of Civil Engineering (CVEG)

Program Code            CSMGMS

Degree                    Master of Science

CIP Code

52.2001 - Construction Management.

Program Title

Construction Management, Master of Science

Program Delivery

Method

Online/Web-based

Is this program interdisciplinary?

No

Does this proposal impact any courses from another College/School?

No

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

## 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 for Web-based Courses 30

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 5503 - Construction Safety

CVEG 5513 - Construction Scheduling

CVEG 5523 - Construction Productivity

CVEG 5533 - Legal Aspects of Construction

CVEG 5543 - Sustainability in Construction Management

CVEG 5553 - Risk and Financial Management in Construction

CVEG 5563 - Building Information Modeling (BIM) for Design and Construction

Upload

Memorandum of  
Understanding Forms  
(if required)

## Program Requirements and Description

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### Requirements

**General Description.** The proposed Master of Science in Construction Management (CSMGMS) will be a 30 hour, online, distance education program. The curriculum will contain topics including but not limited to scheduling, project finance, construction productivity, construction safety, and legal aspects of construction.

**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 CSMGMS Program:

- 1, Complete a minimum of 30 semester hours of graduate-level credit beyond the bachelor's degree.
2. Twenty-one of the 30 hours must be [CVEG 5503](#), [CVEG 5513](#), [CVEG 5523](#), [CVEG 5533](#), [CVEG 5543](#), [CVEG 5553](#), and [CVEG 5563](#). The remaining three courses are selected from any approved MSE

course offering.

3. Earn a minimum cumulative grade-point average of 3.00 on all graduate courses attempted.
4. At the completion of their course work, the students must pass a comprehensive final exam.

#### Program Costs

All courses will be delivered online through a format that is similar to MSE that is offered through the COI. Two courses have been developed which leaves five courses for development. Twenty-five thousand dollars will be necessary for course development (\$5000 per course). Additional expenses may include a portion staff salary for course delivery (\$25,000 per year). It is expected that the tuition and fees for the program would be similar to that of the MSE.

#### Library Resources

Additional library resources will not be needed.

#### Instructional

##### Facilities

No additional facilities or equipment is necessary.

#### Faculty Resources

Faculty will make use of current distance education technology on the UofA campus. Therefore, additional faculty resources in regard to classroom or technology needs will not be necessary.

#### List Existing Certificate or Degree Programs

that Support the Proposed Program

<b>Program(s)</b>
ENGRME - Engineering, Master of Science in Engineering
OPMGMS - Operations Management, Master of Science in Operations Management
CVEGMS - Civil Engineering, Master of Science in Civil Engineering

#### 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 CSMGM 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      25 new students per

Demand for Program    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 for this request

Description of request	Justification for request
<p>The Department of Civil Engineering proposes to begin an online, coursework only, Master of Science in Construction Management. This program will target professionals who wish to advance in their current career path or wish to start a new career in the construction industry.</p>	<p>Results from an employer needs survey shows that an online, graduate program in Construction Management is needed. Many of the employers surveyed stated that they would provide tuition reimbursement for their employees who enroll in the program which shows support for the proposed degree. Currently, there is not a similar online program offered by a Arkansas university.</p>

## Upload attachments

[CSMGMS - New Degree - Ltr of Intent.docx](#)

[CSMGMS - New Degree - Supporting Documents.docx](#)

[CSMGMS - New Degree - Proposal.docx](#)

## Reviewer Comments

**Norman Dennis (ndennis) (10/23/19 7:38 am):** Rollback: Please revise content in Courseleaf and LOI per emailed comments and comments in embedded in shared LOI.

**Norman Dennis (ndennis) (11/19/19 11:26 am):** Corrected minor typos and change the word graduates to program in the degree requirement description.

**Alice Griffin (agriffin) (11/22/19 12:48 pm):** Hyper-linked that courses listed in the program requirements field. All courses are in approval workflow.

**Alice Griffin (agriffin) (11/22/19 1:34 pm):** Minor edits with approval from submitter.

**Alice Griffin (agriffin) (11/22/19 4:51 pm):** Minor editing with attachments, mostly for formatting. Adjusted course titles to match what had been submitted into Course Management. Renamed documents to match BOT naming convention.

Key: 726