Program Change Request

Date Submitted: 08/24/17 3:14 pm

Viewing: CVEGMS : Civil Engineering, Master of Science in Civil Engineering

Last approved: 05/09/16 6:55 pm
Last edit: 09/14/17 3:01 pm
Changes proposed by: rdw

Catalog Pages Using this Program

CVEGMS: Civil Engineering (CVEG)

Submitter: User ID: kdhall Phone: 58695
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 Degree (e.g. changing 15 or fewer hours, changing admission/graduation requirements, adding Focused Study)
Are you adding a concentration? No
Are you adding a track? No
Are you adding a focused study? No
Effective Catalog Year
College/School Code College of Engineering(ENGR)
Department Code Department of Civil Engineering(CVEG)
Program Code CVEGMS
Degree Master of Science in Civil Engineering
CIP Code 14.0801 - Civil Engineering, General.
Program Title Civil Engineering, Master of Science in Civil Engineering
Program Delivery Method On Campus
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

Program Requirements and Description

Requirements

Requirements for the Master of Science in Civil Engineering Degree: Minimum 30 semester hours of graduate-level credit for thesis option; or 36 semester hours of graduate-level non thesis or research credit for course work only option. Candidates for the degree who present a thesis are required to complete a minimum of 24 semester hours of course work and a minimum of six semester hours of thesis.
Candidates for the degree who do not present a thesis are required to complete a minimum of 30 semester hours of graduate-level course work.

Candidates for the degree must present a cumulative grade point average of 3.00 on all graduate courses. The minimum acceptable grade for any course is “C.”

Upon admission to the Graduate School and acceptance in a program of study, candidates pursuing a thesis-based program will be assigned to a major adviser, who in consultation with the department head, will select a graduate committee. With guidance from the committee, the candidate will develop a plan of study and a research project to be completed by the candidate. The committee will serve as the examination committee for the final oral and/or written examination and for the thesis. Candidates pursuing a coursework-based program will be assigned to a major adviser, who will assist the candidate in developing a plan of study; the major adviser will coordinate the final and/or written examination.

All graduate students enrolled in the M.S.C.E. program in the Department of Civil Engineering must successfully complete one semester of CVEG 5100 Graduate Seminar in Civil Engineering.

Students should also be aware of Graduate School requirements with regard to master’s degrees.

### Program Goals and Objectives

**Program Goals:**

1. Prepare students to pursue careers in the broad field of civil engineering.

2. Prepare students to demonstrate advanced technical knowledge related to civil engineering.

**Learning Outcomes**

**Student Learning Outcomes:**

1. Apply knowledge of mathematics, science, and engineering to solve advanced-level engineering problems in civil engineering.

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

3. Organize and deliver effective communications.

4. Design a system, component, or process to meet desired needs.

5. Design and conduct experiments, and analyze and evaluate the resulting data.

### Description and justification of the request

<table>
<thead>
<tr>
<th>Description of specific change</th>
<th>Justification for this change</th>
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<tbody>
<tr>
<td>Reduce the number of hours for the course work only option from 36 to 30</td>
<td>To be consistent with other MS Programs in the college.</td>
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</table>

### Are Similar Programs available in the area?

- **Estimated Student Demand for Program:** 30
- **Scheduled Program Review Date:** 2023-2024 Spring
- **Program Goals and Objectives Review Date:** 2012

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Norman Dennis (ndennis) (09/14/17 9:30 am): Revised Description and Justification
Alice Griffin (agriffin) (09/14/17 2:59 pm): Changed effective date from fall 2017 to fall 2018.
Alice Griffin (agriffin) (09/14/17 3:01 pm): Changed program review date from spring 2017 to 2023-2024.