

## ***Master of Science in Civil Engineering (MSCE)***

### **Total Minimum Hours: 30**

These degrees are for students doing a Master's thesis. The program consists of a minimum of 24 credit hours of coursework and 6 credit hours of thesis for students with an undergraduate degree in Engineering. Students without an engineering BS are required to complete undergraduate engineering pre-requisite courses.

### **Core Requirements (24 hours)**

- A maximum of 9 credits taken outside the CEE department may be applied to meet the degree requirements.
- A maximum of 6 credits of 4000 level courses may be applied to meet the degree requirements.
- A maximum of 6 credits of independent study may be applied to meet the degree requirements.

### **Thesis Requirements (6 hours)**

The Department supports MSCE concentration areas in Geotechnical Engineering (GTL), Interdisciplinary Transportation (ITP), Materials Engineering and Science (MTL), Structural Engineering (STR), Transportation Engineering (TPT) and Water Resources (WRS). Students work with a Major Professor and thesis committee to map out their graduate program and thesis requirements.

**Master's thesis committees** consist of the major professor in the department and at least two other members or co-major professors and at least one other member of the department or area of interest in which the degree is sought. Thesis committee members must be members of the graduate faculty or be approved by the department, college and graduate school to serve on the committee.



**MASTER OF SCIENCE CIVIL ENGINEERING (MSCE) WITH A CONCENTRATION IN  
MATERIALS ENGINEERING (MTL)**  
*Curriculum Program of Study Form*

<b>Name:</b>		<b>USF ID #</b>	
<b>Term/Year Admitted into Program:</b>			
<b>Address:</b>			
<b>Phone:</b>			
<b>Email:</b>			
<b>Advisor:</b>			
<b>Area of concentration: Materials Engineering &amp; Science (MTL)</b>			

**30 Total Credits of Coursework:**

Course Title	Number	Credits	Semester	Outside CEE?
<b>At least two of the following:</b>				
Concrete Construction Materials	CGN 6933	3		
Electrochemical Diagnostic Techniques	CGN 6720	3		
Structural Life Prediction	CGN 6933	3		
Corrosion of Materials	CGN 6933	3		
Characterization of Materials	ECH 6931	3		
<b>9 Additional credits in Materials Engineering or related areas:</b>				
		3		
		3		
		3		
<b>9 credits of electives:</b>				
		3		
		3		
		3		
<b>Thesis (minimum 6 credits required):</b>				
Thesis: Maters	CGN 6971			

- ≤ 3 courses outside CEE
- ≤ 6 credits of 4000 level
- ≤ 6 credits independent study
- 6 credits of thesis

	Total Credits Outside CEE
	Total Credits at 4000 Level
	Total Credits Independent Study
	<b>Total Credits (30 required)</b>

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Graduate Program Coordinator: Signature and Date





