

 FLORIDA ATLANTIC UNIVERSITY	NEW/CHANGE PROGRAM REQUEST Graduate Programs	UGPC Approval _____ UFS Approval _____ Banner Posted _____ Catalog _____
	Department Civil, Environmental & Geomatics Engineering College Engineering and Computer Science	
Program Name MS Civil Engineering	<input type="checkbox"/> New Program <input checked="" type="checkbox"/> Change Program	Effective Date <i>(TERM & YEAR)</i> Fall 2019
Please explain the requested change(s) and offer rationale below or on an attachment The MS students will be required to take the 0-credit CGN 5937 Graduate Seminar course for 1 semester. The objective is to increase graduate student participation at the seminar series with distinguished speakers.		
Faculty Contact/Email/Phone Dr. Ramesh Teegavarapu / rteegava@fau.edu / 561-297-3444	Consult and list departments that may be affected by the change(s) and attach documentation NA	
Approved by Department Chair _____ College Curriculum Chair _____ College Dean _____ UGPC Chair _____ UGC Chair _____ Graduate College Dean _____ UFS President _____ Provost _____	Date 11/15/2018 11/18/18 11/20/2018	

Email this form and attachments to UGPC@fau.edu one week before the UGPC meeting so that materials may be viewed on the UGPC website prior to the meeting.

GRADUATE COLLEGE

NOV 26 2018

Received

Civil Engineering

Master of Science with Major in Civil Engineering (Change below effective fall 2018.)

Degree Requirements

Master of Science with Major in Civil Engineering with Thesis
(A total of 30 credits required.)

1. Requires 6 credits of Master's Thesis, and
2. Requires 24 credits of approved coursework (5000 level or higher) with the following constraints:
 - a. Minimum of 15 credits at the 6000 level;
 - b. Minimum of 12 credits of CEGE courses;
 - c. Maximum of 9 credits of CEGE courses at the 5000 level may be applied toward the degree.
3. Must complete 1 semester of CGN 5937 Graduate Seminar (0 credits) with grade "S".

Master of Science with Major in Civil Engineering (courses only)
(A total of 30 credits required.)

1. Requires 30 credits of approved coursework (5000 level or higher) with the following constraints:
 - a. Minimum of 21 credits at the 6000 level;
 - b. Minimum of 21 credits in CEGE courses; and
 - c. Maximum of 9 credits of CEGE courses at the 5000 level may be applied toward the degree.
3. Must complete 1 semester of CGN 5937 Graduate Seminar (0 credits) with grade "S".

Program Concentrations

Areas of concentration include:

- Structural/Geotechnical Engineering
- Transportation/Geomatics Engineering

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- Water Resources/Environmental Engineering

All Master of Science with Major in Civil Engineering students, without exception, complete one concentration, which includes a minimum of two core classes chosen from a list of courses for each concentration. Note: No more than 3 credits of Directed Independent Study may be applied toward the degree. All course selections must be part of an approved plan of study. All Master of Science with Major in Civil Engineering Students should complete one semester of 0-credit graduate seminar course.

Structural/Geotechnical Engineering Core	
Soil Stabilization and Geosynthetics	CEG 6124
Advanced Structural Analysis	CES 6106
Bridge Design	CES 6325
Structural Dynamics	CES 6585
Prestressed Concrete	CES 6715
Coastal Structures	EOC 6430

Transportation/Geomatics Engineering Core	
Sustainable Public Transportation	TTE 6651
Highway Engineering	TTE 6815
Intelligent Transportation Systems	TTE 6272
Maritime Freight Operations	TTE 6508
Traffic Signal Systems	TTE 6259

Water Resources/Environmental Engineering Core	
Water Supply and Treatment	ENV 6418
Wastewater Engineering	ENV 6507
Water Resource System Engineering	CWR 6818
Groundwater Flow	CWR 6125
Open Channel Hydraulics	CWR 6235
Dynamic Hydrology	CWR 6525
<u>General Course</u>	
<u>Graduate Seminar</u>	<u>CGN 5937</u>