

 <b>FLORIDA ATLANTIC UNIVERSITY</b>	<b>PROGRAM CHANGE REQUEST</b> <b>Graduate Programs</b>		UGPC Approval _____ UFS Approval _____ Banner Posted _____ Catalog _____
	<b>Department</b> Civil, Environmental & Geomatics Engineering  <b>College</b> Engineering and Computer Science		
<b>Program Name</b> MS with Major in Civil Engineering		<b>Effective Date</b> <small>(TERM &amp; YEAR)</small> <div style="text-align: center;">Fall 2018</div>	
<p><b>Please explain the requested change(s) and offer rationale below or on an attachment</b></p> <p>This is a minor change that makes all Masters of Science with Major in Civil Engineering options, thesis and non-thesis, require 30 credits to obtain the degree.</p>			
<b>Faculty Contact/Email/Phone</b> Frederick Bloetscher h2o_man@bellsouth.net 239-250-2423		<b>Consult and list departments that may be affected by the change(s) and attach documentation</b> none	
<b>Approved by</b> Department Chair _____ College Curriculum Chair _____ College Dean _____ UGPC Chair _____ UGC Chair _____ Graduate College Dean _____ UFS President _____ Provost _____		<b>Date</b> 02/25/2018 2/28/2018 3/7/2018	

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

### **Degree Options**

Several options are available for students pursuing a Master of Science with Major in Civil Engineering. In each case, a minimum cumulative grade point average of 3.0 is required on all coursework attempted. ~~Two options are available to students pursuing the M.S. in with Major Civil Engineering degree: the thesis option and the project option. Both options are described below. In each case, a minimum cumulative grade point average of 3.0 is required on all coursework attempted.~~

#### **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.

#### ~~**Master of Science with Major in Civil Engineering with Project**~~

~~*(A total 33 credits required.)*~~

- ~~1. Requires 3 credits of Master's Project, and~~
- ~~2. Requires 30 credits of approved coursework with the following constraints:~~
  - ~~a. Minimum of 18 credits at the 6000 level;~~
  - ~~b. Minimum of 21 credits in CEGE courses;~~
  - ~~c. Maximum of 9 credits of CEGE courses at the 5000 level may be applied toward the degree.~~

#### **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;
  - c. Maximum of 9 credits of CEGE courses at the 5000 level may be applied toward the degree.
  - d. Maximum of 3 credits of CEGE courses at the 4000 level may be applied toward the degree.

This catalog contains statements of regulations that apply to all graduate students. Of particular interest are the sections on Admissions, Degree Programs and Degree Requirements. Statements referring to foreign language requirements do not apply to Civil Engineering Master of Science majors.

#### **Program Concentrations**

Areas of concentration include:

- Structural/Geotechnical Engineering

- Transportation/Geomatics Engineering
- Water Resources/Environmental Engineering

All Master of Science with Major in Civil Engineering students, without exception, complete one concentration, which includes [CGN5716](#) and 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.

## Environmental Engineering

### COMBINED PROGRAM

#### B.S.E.V. to M.S. Degree Program

This program allows FAU Bachelor of Science in Environmental Engineering (B.S.E.V.) students the opportunity to complete the Master of Science (M.S.) with Major in Civil Engineering in less time than the traditional M.S. program. This combined degree program is intended for academically talented students and high achievers. After application and admittance to the M.S. graduate program at the beginning of the senior year, up to 9 credits of approved graduate-level courses may be taken and counted toward both the B.S.E.V. and the M.S. with Major in Civil Engineering degrees as long as the following criteria are met:

1. The student has met the minimum of 120 credits for the B.S.E.V. degree, and
2. The student has taken a minimum of 30 credits (5000 level or higher) for the M.S. with Major in Civil Engineering.

The combined degree program is 150-~~153~~ credits, 120 for the undergraduate degree and 30-~~33~~ for the master's degree. ~~The M.S. thesis option is 30 credits and the M.S. project is 33 credits.~~ Students complete the undergraduate degree first, taking no more than 9 credits of graduate coursework in their senior year, which will then be used to satisfy both degrees.

#### To be eligible for the joint B.S.E.V./M.S. program, students must:

1. Have a cumulative GPA of 3.25 or higher (FAU and transfer courses);
2. Have a total institution GPA of 3.25 or higher (FAU courses); and
3. Formally apply to the joint program, completing the admissions process at least one semester prior to beginning the M.S. portion of the program