FAU

FLORIDA ATLANTIC UNIVERSITY

NEW/CHANGE PROGRAM REQUEST
Graduate Programs

Department CEECS

College College of Engineering and Computer Science

UGPC Approval _____
UFS Approval _____
Banner Posted _____
Catalog _____

Program Name		Effective Date
MS programs in Computer Science, Electrical Eng. and Computer Eng. Thesis and non-thesis options.	☐ New Program ☑ Change Program	*(TERM & YEAR)* Spring 2020

Please explain the requested change(s) and offer rationale below or on an attachment

The MS program requirements are aligned with the university rule, which specifies that at least one-half of the credits must be at the 6000 level or above.

Faculty Contact/Email/Phone	Consult and list departments that may be affected by the change(s) and attach documentation
Valentine Aalo/aalo@fau.edu/7-3485	

Approved by

		Date
Department Chair		4/15/2019
College Curriculum Chair		4/15/19
College Dean	McCardle	4/16/2019
UGPC Chair		
UGC Chair		
Graduate College Dean		
UFS President		
Provost		

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.

FAUprogramchangeGR, created December 2017

Master of Science with Major in Computer Engineering, Thesis Option (30 credits)

1. Requires 6 credits of orally defended written thesis. The M.S. committee is chaired by the student's thesis advisor. The chair of the committee must be a graduate faculty member from the Department of Computer and Electrical Engineering and Computer Science.

2. Requires 24 credits of approved coursework with the following constraints:

a. A minimum of 3 credits must be selected from each of the three groups listed in Option A.

~~b. A minimum of 18 credits of 6000-level courses must be completed.~~

b~~e~~. No more than 3 credits of directed independent study may be taken

c~~d~~. No course can be counted toward the degree that is more than 10 years old at the time the degree is awarded.

d~~e~~. No 4000-level course is allowed toward the degree. Courses taken to make up for the deficiencies will not be counted toward the degree.

3. At least one-half of the credits must be at the 6000 level or above.

4~~3~~. Must have a GPA of 3.0 (out of 4.0) or better.

5~~4~~. All courses in the degree program must be completed with a grade of "C" or better.

6~~5~~. Must complete one semester of CGS 5937, Graduate Seminar (0 credits) with grade of Satisfactory ("S").

Master of Science with Major in Computer Engineering, Non-Thesis Option (30 credits)

1. Requires 30 credits of approved coursework with the following constraints:

a. A minimum of 3 credits must be selected from each of the three groups listed in Option A.

~~b. A minimum of 18 credits of 6000-level courses must be completed.~~

b~~e~~. No more than 3 credits of directed independent study may be taken.

c~~d~~. No course can be counted toward the degree that is more than 10 years old at the time the degree is awarded.

d~~e~~. No 4000-level course is allowed toward the degree. Courses taken to make up for the deficiencies will not be counted toward the degree.

2. At least one-half of the credits must be at the 6000 level or above.

3~~2~~. Must have a GPA of 3.0 (out of 4.0) or better.

4~~3~~. All courses in the degree program must be completed with a grade of "C" or better.

<u>5</u>4. Must complete one semester of CGS 5937, Graduate Seminar (0 credits) with grade of Satisfactory ("S").

Master of Science with Major in Computer Science

Master of Science with Major in Computer Science, Thesis Option (30 credits)

1. Requires 6 credits of orally defended written thesis. The M.S. committee is chaired by the student's thesis advisor. The chair of the committee must be a graduate faculty member from the Department of Computer and Electrical Engineering and Computer Science.

2. Requires 24 credits of approved coursework with the following constraints:

a. A minimum of 3 credits must be selected from each of the three groups listed in Option B.

~~b. A minimum of 18 credits of 6000-level courses must be completed.~~

<u>b</u>c. No more than 3 credits of directed independent study may be taken.

<u>c</u>d. No course can be counted toward the degree that is more than 10 years old at the time the degree is awarded.

<u>d</u>e. No 4000-level course is allowed toward the degree. Courses taken to make up for the deficiencies will not be counted toward the degree.

3. At least one-half of the credits must be at the 6000 level or above.

<u>4</u>3. Must have a GPA of 3.0 (out of 4.0) or better.

<u>5</u>4. All courses in the degree program must be completed with a grade of "C" or better.

<u>6</u>5. Must complete one semester of CGS 5937, Graduate Seminar (0 credits) with grade of Satisfactory ("S").

Master of Science with Major in Computer Science, Non-Thesis Option (30 credits)

1. Requires 30 credits of approved coursework with the following constraints:

a. A minimum of 3 credits must be selected from each of the three groups listed in Option B.

~~b. A minimum of 18 credits of 6000-level courses must be completed.~~

<u>b</u>c. No more than 3 credits of directed independent study may be taken.

<u>c</u>d. No course can be counted toward the degree that is more than 10 years old at the time the degree is awarded.

<u>d</u>e. No 4000-level course is allowed toward the degree. Courses taken to make up for the deficiencies will not be counted toward the degree.

2. At least one-half of the credits must be at the 6000 level or above.

3~~2~~. Must have a GPA of 3.0 (out of 4.0) or better.

4~~3~~. All courses in the degree program must be completed with a grade of "C" or better.

5~~4~~. Must complete one semester of CGS 5937, Graduate Seminar (0 credits) with grade of Satisfactory ("S").

Master of Science with Major in Electrical Engineering

Master of Science Degree Thesis Option (30 credits)

1. Requires 6 credits of orally defended written thesis. The M.S. committee is chaired by the student's thesis advisor. The chair of the committee must be a graduate faculty member from the Department of Computer and Electrical Engineering and Computer Science.

2. Requires 24 credits of approved coursework with the following constraints:

~~a. Minimum of 15 credits at the 6000 level;~~

a~~b~~. Minimum of 12 credits in EE courses;

b~~c~~. No 4000-level course may be counted toward the degree;

c~~d~~. A 3-credit course with math prefix or one of the following courses: EEL 5613, Modern Control; EEE 5502, Digital Processing of Signals; EEL 6482, Electromagnetic Theory 1; EOC 5172, Mathematical Methods in Ocean Engineering 1;

3. At least one-half of the credits must be at the 6000 level or above.

4~~3~~. Must complete one semester of CGS 5937, Graduate Seminar (0 credits) with grade of Satisfactory ("S").

Note: No more than 3 credits of directed independent study may be applied toward the master's degree.

Master of Science Degree Non-Thesis Option (30 credits)

1. Requires 30 credits of approved coursework with the following constraints:

~~a. Minimum of 18 credits at the 6000 level;~~

a~~b~~. No 4000-level course is allowed toward the degree. Courses taken to make up for the deficiencies will not be counted toward the degree;

b~~c~~. A 3-credit course with math prefix or one of the following courses: EEL 5613, Modern Control; EEE 5502, Digital Processing of Signals; EEL 6482, Electromagnetic Theory 1; EOC 5172, Mathematical Methods in Ocean Engineering 1;

c~~d~~. A minimum of 18 credits must be completed in EE;

2. At least one-half of the credits must be at the 6000 level or above.

2. Must complete one semester of CGS 5937, Graduate Seminar (0 credits) with grade of Satisfactory ("S").

Note: No more than 3 credits of directed independent study may be applied toward the master's degree.