FLORIDA ATLANTIC UNIVERSITY

NEW/CHANGE PROGRAM REQUEST
Graduate Programs

Department College of Engineering and Comp. Science

College Engineering and Computer Science

UGPC Approval _____
UFS Approval _____
Banner Posted _____
Catalog _____

Program Name
BS to MS program; BS to PhD program

☐ **New Program**
☑ **Change Program**

Effective Date
(TERM & YEAR)
Fall 2019

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

The GRE is updated, based on the new scale. Please see the attached document.

Faculty Contact/Email/Phone
Mihaela Cardei/mcardei@fau.edu/561-297-3459

Consult and list departments that may be affected by the change(s) and attach documentation
NA

Approved by		***Date***
Department Chair	MCardei	3/25/2019
College Curriculum Chair		3/25/19
College Dean	MCardei	3/25/2019
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.

GRADUATE COLLEGE

MAR 29 2019

Received

FAUprogramchangeGR, created December 2017

Combined Degree Program Information

B.S. to M.S. Programs

To encourage undergraduates to pursue a graduate education, the College of Engineering and Computer Science offers joint B.S. to M.S. degree programs in its three departments: Civil, Environmental and Geomatics Engineering, Computer & Electrical Engineering and Computer Science and Ocean and Mechanical Engineering. These programs allow students to complete both a bachelor's and a master's degree within five years.-The undergraduate degree programs range from 120 to 136 credits, while the combined degree program includes a minimum of 150 credits. Students admitted after January 1, 2017, may count 9 credits of graduate coursework (5000 level or higher) taken as an undergraduate to satisfy both degrees. See academic program requirements.

Students with a cumulative GPA of at least 3.25 at the end of their junior year are eligible to apply to the graduate programs in the departments of Civil, Environmental and Geomatics Engineering and Computer & Electrical Engineering and Computer Science. For combined programs in the Department of Ocean and Mechanical Engineering, students with an overall GPA of above 3.0 and a GPA of above 3.25 in the last 60 credits of coursework completed at the time of admission may apply to the graduate programs. The GPA must be maintained until graduation from the B.S. degree.

The GRE is not required for these programs. All other degree requirements apply. See individual departments for the specific program descriptions appearing just before the master's degree programs. The College also offers a combined program leading to an M.S. in Bioengineering that is available to all B.S. candidates in any major in the College.

B.S. to Ph.D. Programs

The normal path from B.S. degree to Ph.D. degree in the College of Engineering and Computer Science is through the M.S. degree and its associated requirements. The B.S. to Ph.D. Program gives highly qualified students in the College the option of bypassing the M.S. degree and moving to their doctoral research activities more rapidly. B.S. to Ph.D. students will not be required to write an M.S. thesis. Students selecting the B.S. to Ph.D. option who fail to pass the Ph.D. Qualifying/Candidacy examination will be allowed to switch to an M.S. program, complete the degree requirements and receive the M.S. degree. Admission to the B.S. to Ph.D. Program may be granted to students entering or already in a graduate engineering program, including students selected for the joint B.S. to M.S. program. Admission and degree requirements are listed below.

Admission Requirements

Students in the B.S. Program:

1. Satisfaction of the department's minimum GPA requirement, normally in the 3.2 – 3.3 range, in the last 60 credits of undergraduate coursework;

2. ~~A minimum GRE score of 1100~~ A combined score (verbal + quantitative) of at least 310 on the GRE;

3. A minimum of two letters of recommendation. Where possible these letters should address the student's qualifications for research.

Students in the M.S. Program at FAU:

1. Satisfaction of the department's minimum GPA requirement, normally in the 3.2 – 3.3 range, in the last 60 credits of undergraduate coursework;

2. ~~A minimum GRE score of 1100~~ A combined score (verbal + quantitative) of at least 310 on the GRE;

3. A minimum GPA of 3.5 in the graduate program at FAU;

4. Students must apply for the direct path Ph.D. program within the first year of graduate studies. Students who do not satisfy the GRE or GPA requirements stated above must obtain approval from the department and College graduate committees overseeing the graduate program and from the Graduate College before being admitted to the direct path program.

Degree Requirements

1. Successful completion of the department's doctoral qualifying/candidacy exam. This exam will normally be taken after the student has completed 24 credits of graduate coursework in the department.

2. A minimum of 84 credits beyond the B.S. degree, distributed according to the following conditions:

a. A minimum of 24 credits of coursework must be in the doctorate-granting department;

b. Except under unusual circumstances, no more than 9 credits are allowed for directed independent study;

c. ~~A maximum of 9 credits may be at the 4000 level in accordance with the existing departmental policies. All other credits must be at the graduate level;~~ No 4000-level course is allowed toward the degree. Courses taken to make up for the deficiencies will not be counted toward the degree.

d. A minimum of 3 credits must be taken in mathematics or in a technical field closely related to the student's research, as determined by the departmental criteria;

e. A minimum of 39 dissertation credits.

3. Successful completion and defense of the dissertation.