FAU
FLORIDA ATLANTIC UNIVERSITY

PROGRAM CHANGE REQUEST
Graduate Programs

Department Computer and Electrical Eng and Comp Science

College Engineering and Computer Science

UGPC Approval _____
UFS Approval _____
Banner Posted _____
Catalog _____

Program Name	Effective Date (TERM & YEAR)
BSEE/MSCpE combined program	Fall 2017

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

This proposal updates the BSEE/MSCpE combined program:
- delete MAD2104 Discrete Mathematics as a requirement for BSEE
- update the text with the number of credits required in the program

Rationale:
In Fall 2015, MAD2104 was removed as a prerequisite course for MS in Computer Engineering (MSCpE) program. Since MAD2104 is no longer a prerequisite course for MSCpE prgram, it should not be a requirement for the combined BSEE/MSCpE combined program.

Faculty Contact/Email/Phone

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

Approved by		Date
Department Chair	*signature*	02/03/2017
College Curriculum Chair	*signature*	2/6/17
College Dean	*signature*	2/6/17
UGPC 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.

B.S.E.E. to M.S.Cp.E. Degree Program

The department offers a ~~five-year~~ Bachelor of Science in Electrical Engineering/Master of Science in Computer Engineering degree program. Program details are listed in the Electrical Engineering section under Combined Programs.

~~Five-Year~~ Bachelor of Science in Electrical Engineering/Master of Science in Computer Engineering

The B.S.E.E./M.S.Cp.E. program is intended for students who wish to take advantage of the broader systems orientation of the B.S.E.E. degree and then specialize in Computer Engineering. Selection of specific technical elective courses ~~and an upper-division math elective~~ in the B.S.E.E. program qualifies the graduate to enter the M.S.Cp.E. program with no deficiencies, provided that the GPA~~, GRE~~ and other computer engineering admission requirements are met. ~~It should be noted that the student must satisfy the 33-credit requirement for a M.S.Cp.E. Typically this will take one calendar year beyond the completion of the requirements for a B.S.E.E.~~

If applicable, up to 9 credits of approved graduate coursework can apply toward both degrees as long as the following criteria are met:

1. The student has met the minimum 120 credits for the bachelor's degree; and

2. The student has taken a minimum of 30 credits in 5000 level or higher courses for the master's program.

If applicable, a maximum of 9 graduate credits may be counted for both the bachelor's and master's programs if the total number of credits exceeds 150.

Prerequisite Coursework for Transfer Students
Students transferring to Florida Atlantic University must complete both lower-division requirements (including the requirements of the Intellectual Foundations Program) and requirements for the college and major. Lower-division requirements may be completed through the A.A. degree from any Florida public college university, or community college or through equivalent coursework at another regionally accredited institution. Before transferring and to ensure timely progress toward the baccalaureate degree, students must also complete the prerequisite courses for their major as outlined in the *Transfer Student Manual.*

All courses not approved by the Florida Statewide Course Numbering System that will be used to satisfy requirements will be evaluated individually on the basis of content and will require a catalog course description and a copy of the syllabus for assessment.

Degree Requirements
The following specific technical elective ~~and math~~ courses should be taken as part of the requirements for a B.S.E.E. degree.:

Technical Electives (10 credits required)		
Foundations in Computer Science	COP 3014	3
Foundations in Computer Science Lab	COP 3014L	1
Data Structures and Algorithm Analysis	COP 3530	3
Structured Computer Architecture	CDA 4102	or
CAD-Based Computer Design	CDA 4204	3

~~Mathematics Elective (3 credits required)~~		
~~Discrete Mathematics~~	~~MAD 2104~~	~~3~~