NEW/CHANGE PROGRAM REQUEST Graduate Programs	UGPC Approval _____

FLORIDA ATLANTIC UNIVERSITY

UGPC Approval _____
UFS Approval _____
Banner _____
Catalog _____

Department EECS

College Engineering and Computer Science

Program Name	**New Program*** ☐	**Effective Date** *(TERM & YEAR)*
B.S.E.E. to M.S. with Major in Computer Engineering Degree Program	✓ **Change Program***	Spring 2023

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

This proposal revises the list of technical elective and semi-core courses that must be taken as part of the requirements for the B.S.E.E. degree.in order to enter the B.S.E.E. to M.S. with Major in Computer Eng. Degree Program.

*All new programs and changes to existing programs must be accompanied by a catalog entry showing the new or proposed changes.

Faculty Contact/Email/Phone	**Consult and list departments that may be affected by the change(s) and attach documentation**
Hanqi Zhuang/zhunag@fau.edu/561.297.3413	NA

Approved by		**Date**
Department Chair		10/17/2022
College Curriculum Chair	Francisco Presuel-Moreno *Digitally signed by Francisco Presuel-Moreno DN: cn=Francisco Presuel-Moreno, o, ou, email=fpresuel@fau.edu, c=US Date: 2022.10.17 16:35:03 -04'00'*	10/17/2022
College Dean		10/17/2022
UGPC Chair	*Mihaela Cardei* Mihaela Cardei (Nov 16, 2022 16:51 EST)	Nov 16, 2022
UGC Chair		Nov 16, 2022
Graduate College Dean	*Robert W*	Nov 16, 2022
UFS President		_____
Provost		_____

Email this form and attachments to UGPC@fau.edu 10 days before the UGPC meeting.

Combined Programs

B.S.E.E. to M.S. with Major in Computer Engineering Degree Program

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 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 and other computer engineering admission requirements are met. Up to 9 credits of approved graduate coursework (5000 level or higher) can apply toward both degrees as long as the combined program totals a minimum of 150 credits:

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 of higher courses for the master's program.

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 *Transition Guides.*

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 courses should be taken as part of the requirements for a B.S.E.E. degree.:

Technical Electives (10 credits required)		
Programming 2	COP 3014	3
Foundations in Computer Science Lab	COP 3014L	1
Data Structures and Algorithm Analysis	COP 3530	3
Computer Architecture	CDA 4102	or
CAD-Based Computer Design	CDA 4204	3

The following specific technical elective and semi-core courses must be taken as part of the requirements for the B.S.E.E. degree in order to enter the B.S.E.E. to M.S. with Major in Computer Engineering Degree Program.

Technical Electives (6 credits required)		
Programming 2	COP 3014	3
Data Structures and Algorithm Analysis	COP 3530	3

Electrical Engineering Semi-Core (6 credits required)		
Introduction to Embedded System Design	CDA 4630	3
Communication Networks	CNT 4007	3