FAU FLORIDA ATLANTIC UNIVERSITY	**NEW/CHANGE PROGRAM REQUEST** **Graduate Programs**	UGPC Approval _____ UFS Approval _____ Banner _____ Catalog _____
	Department Computer & Elec Eng and Comp Science **College** Engineering and Comp Science	

Program Name Doctor of Philosophy with Major in Computer Engineering or in Computer Science	☐ **New Program*** ✓ **Change Program***	**Effective Date** *(TERM & YEAR)* Fall 2021

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

EEE 4541 is added as an alternative to STA 4821. With this change students can take either EEE 4541 or STA 4821 to meet program requirements.

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 HARI KALVA, hkalva@fau.edu, 561-297-0511	**Consult and list departments that may be affected by the change(s) and attach documentation**

Approved by		**Date**
Department Chair	Hanqi Zhuang Digitally signed by Hanqi Zhuang Date: 2021.03.05 18:43:44 -05'00'	
College Curriculum Chair	Francisco Presuel-Moreno Digitally signed by Francisco Presuel-Moreno DN: cn=Francisco Presuel-Moreno, o=Florida Atlantic University, ou=Ocean and Mechanical Engineering, email=fpresuel@fau.edu, c=US Date: 2021.03.10 17:17:48 -05'00'	
College Dean	M Cardei Digitally signed by Mihaela Cardei DN: cn=Mihaela Cardei, o=Florida Atlantic University, ou, email=mcardei@fau.edu, c=US Date: 2021.03.11 09:27:45 -05'00'	3/11/2021
UGPC Chair		
UGC Chair		
Graduate College Dean		
UFS President		
Provost		

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

Doctor of Philosophy with Major in Computer Engineering or in Computer Science

Applicants are expected to have taken the following prerequisite courses (or equivalents) before pursuing the Ph.D. degree. In some cases, prerequisite requirements may be satisfied after admission to the Ph.D. program. In such a case, proficiency in the prerequisite courses must be shown before the student takes dissertation credits.

Prerequisite courses for Ph.D. with Major in Computer Science:

Introduction to Microprocessor Systems	CDA 3331C	3 **or**
Structured Computer Architecture	CDA 4102	3 **or**
CAD-Based Computer Design	CDA 4204	3
Data Structures and Algorithm Analysis	COP 3530	3
Computer Operating Systems	COP 4610	3
Design and Analysis of Algorithms	COT 4400	3
Calculus with Analytic Geometry 1	MAC 2311	4
Calculus with Analytic Geometry 2	MAC 2312	4
Stochastic Models for Computer Science	STA 4821	3 or
Stochastic Processes and Random Signals	EEE 4541	3

Prerequisite courses for Ph.D. with Major in Computer Engineering:

Introduction to Microprocessor Systems	CDA 3331C	3
Structured Computer Architecture	CDA 4102	3 **or**
CAD-Based Computer Design	CDA 4204	3
Electronics 1	EEE 3300	3 **or**
Introduction to VLSI	CDA 4210	3
Data Structures and Algorithm Analysis	COP 3530	3
Calculus with Analytic Geometry 1	MAC 2311	4
Calculus with Analytic Geometry 2	MAC 2312	4
Stochastic Models for Computer Science	STA 4821	3 or
Stochastic Processes and Random Signals	EEE 4541	3