FAU

FLORIDA ATLANTIC UNIVERSITY

NEW/CHANGE PROGRAM REQUEST
Graduate Programs

UGPC Approval _____
UFS Approval _____
Banner Posted _____
Catalog _____

Department CEECS

College Engineering and Computer Science

Program Name		**Effective Date** *(TERM & YEAR)*
Cyber Security Graduate Certificate	☐ **New Program**	
	✔ **Change Program**	Spring 2020

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

Add the course CDA 5326 Cryptographic Engineering to the list of CS Cyber Security Courses in the Cyber Security Graduate Certificate.

Faculty Contact/Email/Phone	**Consult and list departments that may be affected by the change(s) and attach documentation**
Val Aalo / aalo@fau.edu / 561-297-3485	College of Science / Mathematical Sciences

Approved by		**Date**
Department Chair	_signature_	4/15/2019
College Curriculum Chair	_signature_	4/15/19
College Dean	_signature_	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.

GRADUATE COLLEGE

APR 1 9 2019

Received

Cyber Security Graduate Certificate

Cyber Security Courses by Track

CS Cyber Security Courses (Select three from this list and one more from this list or the list of Math courses.)		
Practical Aspects of Modern Cryptography	CIS 5371	3
Computer Data Security	CIS 6370	3
Distributed Systems Security	CIS 6375	3
Secret Sharing Protocols	COT 6427	3
Cyber Security: Measurement and Data Analysis	CTS 6319	3
Cryptographic Engineering	CDA 5326	3
Math Cyber Security Courses (Select three from this list and one more from this list or the list of CS courses.)		
Introduction to Cryptology and Information Security	MAD 5474	3
Cryptanalysis	MAD 6478	3
Coding Theory	MAD 6607	3
Number Theory and Cryptography	MAS 6217	3

From: Rainer Steinwandt
Sent: Wednesday, April 17, 2019 11:18 AM
To: Mihaela Cardei
Cc: Hanqi Zhuang; Valentine Aalo; Koray Karabina
Subject: Re: Cyber Security Certificate

No problem, but planning forward, I think we should try once again to turn this certificate into one that is compliant with the NSA/DHS requirements for a Center of Academic Excellence in Cyber Defense (CAE CD). It would seem much more attractive, if we can advertise this certificate with DHS and NSA seals on it.

The application for FAU's CAE CD re-designation in <u>research</u> has been submitted today, so maybe now we can try to get the <u>educational</u> CAE designation done (https://www.nsa.gov/resources/students-educators/centers-academic-excellence/). Koray did most of the groundwork already, coordinating with business successfully, but we would need some changes in one of your classes to make the certification happen...

Can we meet sometime next week to talk about this?

-Rainer

From: Mihaela Cardei
Sent: Monday, April 15, 2019 10:54 AM
To: Rainer Steinwandt
Cc: Hanqi Zhuang; Valentine Aalo
Subject: Cyber Security Certificate

Dear Dr. Steinwandt,

CEECS department is proposing to add CDA 5326 Cryptographic Engineering to the list of CS courses in the Cyber Security Certificate. The catalog entry is attached.

Please let us know if you approve.

Thank you,
Mihaela