NEW/CHANGE PROGRAM REQUEST
Graduate Programs

FAU FLORIDA ATLANTIC UNIVERSITY

Department Computer and Electrical Eng and Computer Science

College Engineering and Computer Science

UGPC Approval _____
UFS Approval _____
Banner _____
Catalog _____

Program Name		Effective Date (TERM & YEAR)
Big Data Analytics Certificate	☐ New Program*	
	✓ Change Program*	Fall 2020

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

The course "CAP 5768 Introduction to Data Science" is being added to the certificate 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
Dr. Hanqi Zhuang/Zhuang@fau.edu/561-297-3413	ITOM, College of Business

Approved by		Date
Department Chair	Hanqi Zhuang *Digitally signed by Hanqi Zhuang DN: cn=Hanqi Zhuang, o=FAU, ou=CEECS, email=zhuang@fau.edu, c=US Date: 2020.02.24 11:44:49 -05'00'*	2/24/2020
College Curriculum Chair	Ramesh Teegavarapu *Digitally signed by Ramesh Teegavarapu DN: cn=Ramesh Teegavarapu, o=Florida Atlantic University, ou=Civil, Environmental and Geomatics Engineering, email=rteegava@fau.edu, c=US Date: 2020.02.27 18:14:41 -05'00'*	2/27/2020
College Dean	Mihaela Cardei *Digitally signed by Mihaela Cardei DN: cn=Mihaela Cardei, o=Florida Atlantic University, ou=, email=mcardei@fau.edu, c=US Date: 2020.02.27 17:47:34 -05'00'*	2/27/2020
UGPC Chair	Paul R. Peluso	03/27/2020
UGC Chair	Paul R. Peluso	03/27/2020
Graduate College Dean	*Robert W Stackman* Digitally signed by member: 8ED423C9-A9FA-4DA0-B0B9-C422E945C5E7 7852D92B-2334-43D3-B364-BB8C8A5BEE19 Date: 2020.03.30 16:41:50 -04'00'	
UFS President		
Provost		

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

Big Data Analytics Courses by Track

CS Data Analytics Courses *(Select three from this list and one from the list of ITOM courses.)*		
Introduction to Neural Networks	CAP 5615	3
Social Networks and Big Data Analytics	CAP 6315	3
Data Mining for Bioinformatics	CAP 6546	3
Data Mining and Machine Learning	CAP 6673	3
Information Retrieval	CAP 6776	3
Web Mining	CAP 6777	3
Advanced Data Mining and Machine Learning	CAP 6778	3
Big Data Analytics with Hadoop	CAP 6780	3
Computer Performance Modeling	CEN 6405	3
Deep Learning	CAP 6619	3
Computational Advertising and Real-Time Data Analytics	CAP 6807	3
Natural Language Processing	CAP 6640	3
Introduction to Data Science	CAP 5768	3
ITOM Business Analytics Courses *(Select three from this list and one from the list of CS courses.)*		
Data Mining and Predictive Analytics	ISM 6136	3
Database Management Systems	ISM 6217	3
Introduction to Business Analytics and Big Data	ISM 6404	3
Advanced Business Analytics	ISM 6405	3
Social Media and Web Analytics	ISM 6555	3
Data Management and Analysis with Excel	QMB 6303	3
Data Analysis for Managers	QMB 6603	3

From: Tamara Dinev <tdinev@fau.edu>
Sent: Wednesday, February 26, 2020 9:21 AM
To: Mihaela Cardei <mcardei@fau.edu>
Cc: Hanqi Zhuang <zhuang@fau.edu>
Subject: RE: CEECS items

Dear Dr. Cardei:

The ITOM department approves the proposed changes.

Best Regards:
Tamara
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Tamara Dinev, Ph.D., Department Chair and Professor
Dean's Distinguished Research Fellow
Department of Information Technology and Operations Management, FL 219
College of Business, Florida Atlantic University
Boca Raton, Florida 33431
tel. (561) 297-3181, email: tdinev@fau.edu
Google Scholar: https://scholar.google.com/citations?user=YH8QZ-YAAAAJ&hl=en

From: Mihaela Cardei <mcardei@fau.edu>
Sent: Friday, February 21, 2020 6:21 PM
To: Tamara Dinev <tdinev@fau.edu>
Cc: Hanqi Zhuang <zhuang@fau.edu>
Subject: CEECS items

Dear Dr Dinev,

CEECS department is proposing the following items:

1. Catalog revisions for the CS concentrations of the MSITM (see attachment).
2. Two new course proposals (see attachment), which have been added to MSITM:
 COP 6819 - Advanced Internet Systems
 COP 5675 - Mobile App Development
3. Add "CAP 5768 Intro to Data Science" to the Big Data Analytics certificate (see attachment).

Could you please let me know if you approve these items.

Thank you,
Mihaela