NEW/CHANGE PROGRAM REQUEST
Graduate Programs

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
Big Data Analytics Certificate	☐ **New Program*** ✓ **Change Program***	*(TERM & YEAR)* Spring 2021

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

This proposal adds new courses to the Big Data Certificate:
CAP6616 Applied Machine Learning
ISM6427 Business Innovation with Artificial Intelligence

*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

Dr. Hanqi Zhuang/Zhuang@fau.edu/561-297-3413

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

College of Business, ITOM

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: 2020.06.11 16:59:23 -04'00'	6/11/2020
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: 2020.06.12 07:24:01 -04'00'	6/12/2020
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: 2020.06.14 14:48:59 -04'00'	6/14/2020
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.

Big Data Analytics Graduate Certificate

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
Applied Machine Learning	CAP 6616	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
Business Innovation with Artificial Intelligence	ISM 6427	3
Data Analysis for Managers	QMB 6603	3

From: Tamara Dinev <tdinev@fau.edu>
Sent: Thursday, July 30, 2020 3:11 PM
To: Mihaela Cardei <mcardei@fau.edu>
Cc: Hanqi Zhuang <zhuang@fau.edu>
Subject: RE: MSITM & Big Data Certificate revisions

Yes, done!

Best Regards:
Tamara
===========================
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: Thursday, July 30, 2020 3:10 PM
To: Tamara Dinev <tdinev@fau.edu>
Cc: Hanqi Zhuang <zhuang@fau.edu>
Subject: Re: MSITM & Big Data Certificate revisions

Thank you Tamara. Attached are the revised documents. I will proceed with the approvals.

regards,
Mihaela

From: Tamara Dinev <tdinev@fau.edu>
Sent: Thursday, July 30, 2020 3:01 PM
To: Mihaela Cardei <mcardei@fau.edu>
Subject: RE: MSITM & Big Data Certificate revisions

Hi Mihaela:

It looks good. I apologize, I just double checked with Maria Jennings, and they came back with a slightly different number - ISM 6427 - for the Business Innovation with Artificial Intelligence.
So please go ahead and change just the last digit of the course, and we are good to go. No need to check with me again for this small edit

Best Regards:
Tamara
===========================
Tamara Dinev, Ph.D., Department Chair and Professor

Dean's Distinguished Research Fellow
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College of Business, Florida Atlantic University
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From: Mihaela Cardei <mcardei@fau.edu>
Sent: Thursday, July 30, 2020 9:59 AM
To: Tamara Dinev <tdinev@fau.edu>
Cc: Hanqi Zhuang <zhuang@fau.edu>
Subject: MSITM & Big Data Certificate revisions

Hello Tamara,

could you please check the attached documents with revisions for the MSITM & Big Data Certificate and let us know if they look ok on your side.

thanks,
Mihaela