FAU

FLORIDA ATLANTIC UNIVERSITY

NEW/CHANGE PROGRAM REQUEST
Graduate Programs

Department

College

UGPC Approval _____
UFS Approval _____
Banner _____
Catalog _____

Program Name	**New Program***	**Effective Date** *(TERM & YEAR)*
	Change Program*	

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

*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**

Approved by		*Date*
Department Chair	_(signature)_	*3/1/2022*
College Curriculum Chair	_Eric Chiang_	3/2/2022
College Dean	_Ken Johnson_	3/2/2022
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.

FAUprogramchangeGR, revised Fall 2019

Professional Master of Science with Major in Information Technology and Management

The Professional Master of Science with major in Information Technology and Management is a self-supporting program offered jointly by the Department of Electrical Engineering and Computer Science in the College of Engineering and Computer Science and the Department of Information Technology and Operations Management in the College of Business. This program is designed for working professionals and is offered in online and face-to-face formats. The program offers four concentrations and requires 30 ~~credits or 33 credits depending on the chosen concentration~~. Degree requirements are listed in the tables ~~above~~ below.

Advanced Information Technology Concentration (30 credits)

Students are required to take the following three courses:	
Software Engineering	CEN 5035
Theory and Implementation of the Database Systems	COP 6731
Management of Information Systems and Technology	ISM 6026

In addition, students need to take ~~five~~ six electives from the graduate courses with prefix CAP, CDA, CEN, CIS, COP, COT and CNT offered by the Department of Electrical Engineering and Computer Science (EECS).	

Lastly, one ~~The last two~~ elective~~s~~ course must be chosen from the following ITOM courses:	
Mobile Apps for Business	ISM 6058
Data Mining and Predictive Analytics	ISM 6136
Information Technology Project and Change Management	ISM 6316
Management of Information Assurance and Security	ISM 6328
Enterprise Information Technology Service Management	ISM 6368
Advanced Business Analytics	ISM 6405
Business Innovation with Artificial Intelligence	ISM 6427C
Blockchain and Digital Business Transformation	ISM 6455
Web-Based Business Development	ISM 6508
Information Technology Sourcing Management	ISM 6509
Social Media and Web Analytics	ISM 6555
Special Topics	ISM 6930
Data Management and Analysis with Excel	QMB 6303

Information Technology Management Concentration (30~~3~~ credits)

Students are required to take the following six courses offered by the College of Business:	
Management of Information Systems and Technology	ISM 6026
Information Technology Project and Change Management	ISM 6316

Management of Information Assurance and Security	ISM 6328
Web-Based Business Development	ISM 6508
Information Technology Sourcing Management	ISM 6509
Communication Strategies for Business Professionals ~~and Core Course Follow-Up~~	GEB 621<u>7</u>~~5~~

Students must take two elective from the following ITOM courses:	
Mobile Apps for Business	ISM 6058
Data Mining and Predictive Analytics	ISM 6136
Enterprise Information Technology Service Management	ISM 6368
Advanced Business Analytics	ISM 6405
Business Innovation with Artificial Intelligence	ISM 6427C
Blockchain and Digital Business Transformation	ISM 6455
Social Media and Web Analytics	ISM 6555
Special Topics	ISM 6930
Data Management and Analysis with Excel	QMB 6303

In addition, students must take ~~three~~ <u>two</u> electives from the graduate courses with prefix CAP, CDA, CEN, CIS, COP, COT and CNT offered by the Department of Electrical Engineering and Computer Science (EECS).

Top

Computer Science Data Analytics Concentration (30 credits)

Students are required to take the following three courses offered by the Electrical Engineering and Computer Science (EECS) Department:	
Introduction to Data Science	CAP 5768
Software Engineering	CEN 5035
Theory and Implementation of the Database Systems	COP 6731

In addition, students must take ~~four~~ <u>five</u> EECS department electives as follows: two graduate courses with prefix CAP and ~~two~~ <u>three</u> graduate courses with prefix CAP, CDA, CEN, CIS, COP, COT or CNT.

The last ~~three~~ <u>two</u> electives must be chosen from the following ITOM courses:	
Data Mining and Predictive Analytics	ISM 6136
Database Management Systems	ISM 6217
Introduction to Business Analytics and Big Data	ISM 6404
Advanced Business Analytics	ISM 6405
Business Innovation with Artificial Intelligence	ISM 6427C

Social Media and Web Analytics	ISM 6555
Special Topics	ISM 6930
Data Management and Analysis with Excel	QMB 6303
Data Analysis for Managers	QMB 6603

Note: Students in this concentration may satisfy the requirements for the Big Data Analytics certificate. Follow up with the EECS advisor to see if you meet all the requirements for the certificate.

Business Analytics Concentration (303 credits)

Students are required to take the following seven courses offered by the College of Business:	
Management of Information Systems and Technology	ISM 6026
Data Mining and Predictive Analytics	ISM 6136
Introduction to Business Analytics and Big Data	ISM 6404
Advanced Business Analytics	ISM 6405
Business Innovation with Artificial Intelligence	ISM 6427C
Social Media and Web Analytics	ISM 6555
Communication Strategies for Business Professionals and Core Course Follow Up	GEB 62175
Students must take one elective from the following ITOM courses:	
Mobile Apps for Business	ISM 6058
Information Technology Project and Change Management	ISM 6316
Management of Information Assurance and Security	ISM 6328
Enterprise Information Technology Service Management	ISM 6368
Blockchain and Digital Business Transformation	ISM 6455
Web-Based Business Development	ISM 6508
Information Technology Sourcing Management	ISM 6509
Special Topics	ISM 6930
Data Management and Analysis with Excel	QMB 6303
In addition, students must take three two electives from the EECS department as follows: two one graduate courses with prefix CAP and one graduate courses with prefix CAP, CDA, CEN, CIS, COP, COT or CNT.	

FW: Request for approval for the mutual changes of the Professional MSITM program

From: Hanqi Zhuang <zhuang@fau.edu>
Sent: Tuesday, March 1, 2022 7:58 AM
To: Tamara Dinev <tdinev@fau.edu>; Mihaela Cardei <mcardei@fau.edu>
Subject: Re: Request for approval for the mutual changes of the Professional MSITM program

Hi Tamara,

Sorry for the delayed response. The item was approved by our department and college.

Thanks,
Hanqi

From: Tamara Dinev
Sent: Thursday, February 24, 2022 4:52 PM
To: Hanqi Zhuang <zhuang@fau.edu>; Mihaela Cardei <mcardei@fau.edu>
Subject: Request for approval for the mutual changes of the Professional MSITM program
Importance: High

Dear Dr. Zhuang;

I am asking for your department's approval of the changes that we have worked out together for the professional MSITM program.
Thank you!

Best Regards:
Tamara
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