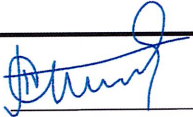
 <b>FLORIDA ATLANTIC UNIVERSITY</b>	<b>NEW/CHANGE PROGRAM REQUEST</b> <b>Graduate Programs</b>		UGPC Approval _____ UFS Approval _____ Banner _____ Catalog _____
	<b>Department</b> ITOM  <b>College</b> Business		
<b>Program Name</b> Master of Science with Major in Information Technology and Management (MSITM)		<input type="checkbox"/> <b>New Program*</b> <input checked="" type="checkbox"/> <b>Change Program*</b>	<b>Effective Date</b> (TERM & YEAR) Spring 2023
<p><b>Please explain the requested change(s) and offer rationale below or on an attachment.</b></p> <p>We, the ITOM Department, propose the following changes made to the University Catalog:</p> <p>I. Reduce overall program credits to 30 credits to align with EECS MSITM Concentrations and the Professional MSITM Program</p> <p>II. Information Technology Management Concentration: Change ITOM elective requirement from two courses to one course</p> <p>II. Business Analytics Concentration: Change required College of Business courses from seven to six. Students can choose to take either Advanced Business Analytics ISM 6405 or Social Media and Web Analytics ISM 6455</p>			
<p><small>*All new programs and changes to existing programs must be accompanied by a catalog entry showing the new or proposed changes.</small></p>			
<b>Faculty Contact/Email/Phone</b> Jonathan Sweet/jsweet4@fau.edu/561-297-2707		<b>Consult and list departments that may be affected by the change(s) and attach documentation</b> Department of Electrical Engineering and Computer Science (EECS) was consulted. They endorsed the changes	
<b>Approved by</b> Department Chair  College Curriculum Chair <u>Anita Pennathur</u> College Dean <u>Ken Johnson</u> UGPC Chair <u>Bill</u> UGC Chair <u>Bill</u> Graduate College Dean <u>Robert W. Johnson</u> UFS President _____ Provost _____		<b>Date</b> <u>05/01/2022</u> _____ 8/26/2022 _____ 8/26/2022 _____ Sep 8, 2022 _____ Sep 23, 2022 _____ Sep 26, 2022 _____ _____ _____	

Email this form and attachments to [UGPC@fau.edu](mailto:UGPC@fau.edu) 10 days before the UGPC meeting.

## Tamara Dinev

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**From:** Mihaela Cardei  
**Sent:** Monday, May 2, 2022 9:04 AM  
**To:** Tamara Dinev; Hanqi Zhuang  
**Subject:** Re: Program changes

Hello Tamara,

I endorse the proposed changes.

Best regards,  
Mihaela

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**From:** Tamara Dinev <tdinev@fau.edu>  
**Sent:** Friday, April 29, 2022 3:10 PM  
**To:** Hanqi Zhuang <zhuang@fau.edu>; Mihaela Cardei <mcardei@fau.edu>  
**Subject:** Program changes

Dear Dr. Zhuang, Dr. Cardei:

I am submitting for your review the program changes as described in the attachments and below:

1. MSITM: Reducing the credits from 33 to 30. We already did this with the Professional this semester. The Registrar and Russ informed me that the Professional and the traditional cannot be different credits. You did that a while ago with both the traditional and the professional program. So the current change aligns with you and the Professional. The Computer Science part is not affected, we are just reducing the number of required credits from the Business side
2. The accelerated BBA/BS to MSITM program. This combined/accelerated program was created 11 years ago and was among the first at FAU. Since then these types of programs were encourage and policies updated. Thus, our program was due for overhaul to align with the currently created programs. I attach the catalog changes with the tracked changes, and you will see that it is unreadable. So I also attach a version with all tracked changes cleared

Please let me know if you have any objections to the changes

Best Regards:

Tamara

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Tamara Dinev, Ph.D., Department Chair and Professor  
Department of Information Technology and Operations Management, FL 219  
College of Business, Florida Atlantic University  
Boca Raton, Florida 33431  
Google Scholar: <https://scholar.google.com/citations?user=YH8QZ-YAAAAJ&hl=en>

## Master of Science with Major in Information Technology and Management

The Master of Science with Major in Information Technology and Management (MSITM) is jointly offered by the Department of Electrical Engineering and Computer Science (EECS) in the College of Engineering and Computer Science and the Department of Information Technology and Operations Management (ITOM) in the College of Business. Designed for highly motivated individuals with computing and/or managerial backgrounds, the program aims to prepare students for a management career in the area of information technology in organizations. To allow for maximum flexibility in career aspirations, students can select from four concentrations: Advanced Information Technology, emphasizing the technical aspect of organizational IT systems; Information Technology Management, focusing on the management issues of IT in organizations; Computer Science Data Analytics; and Business Analytics. (Department name change effective fall 2021.)

### Admission Requirements

To be admitted to the MSITM program applicants must have:

1. An undergraduate degree in Computer Science, Information Engineering Technology or an IT-related field of study. Applicants with another undergraduate degree and documented work experience of two or more years in an IT function will be evaluated as well;
2. An undergraduate GPA of 3.0 or higher;
3. GRE or GMAT scores more than five years old are normally not acceptable. The GRE and the GMAT requirement is waived for any student who has a baccalaureate degree from either FAU's Department of Electrical Engineering and Computer Science (EECS) or FAU's Department of Information Technology and Operations Management (ITOM) with a GPA of at least 3.25 (out of a possible 4.0) in the last 60 credits attempted prior to graduation;
4. International students from non-English-speaking countries must be proficient in written and spoken English as evidenced by a score of at least 500 (paper-based test) or 213 (computer-based test) or 79 (Internet-based test) on the Test of English as a Foreign Language (TOEFL) or a score of at least 6.0 on the International English Language Testing System (IELTS); and
5. Meet other requirements of the FAU Graduate College.

### Degree Requirements

Students in the Advanced Information Technology and Computer Science Data Analytics concentrations are required to complete 30 graduate-level credits, or 10, 3-credit courses (5000 level or higher), with a 3.0 GPA or better to graduate. Students in the Information Technology Management and Business Analytics concentrations are required to complete ~~30~~ graduate-level credits, or ~~10~~, 3-credit courses (5000 level or higher), with a 3.0 GPA or better to graduate.

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Students in the Advanced Information Technology and Computer Science Data Analytics concentrations will be awarded the degree by the College of Engineering and Computer Science, while those in the Information Technology Management and Business Analytics concentrations will have their degrees awarded by the College of Business. For more information about the Master of Science in Information Technology and Management degree program, call the Department of Electrical Engineering and Computer Science at 561-297-3482, or email [ceecs@fau.edu](mailto:ceecs@fau.edu).

### 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 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).	

The last two electives 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 credits)

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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 6215
Students must take <del>two</del> -one 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 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).	

#### 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 EECS department electives as follows: two graduate courses with prefix CAP and three graduate courses with prefix CAP, CDA, CEN, CIS, COP, COT or CNT.	
The last three 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 meet the requirements for the [Big Data Analytics certificate](#). Follow up with the EECS advisor to apply for the certificate.

#### Business Analytics Concentration (30 credits)

Students are required to take the following <del>six</del> 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
<del>Business Innovation with Artificial Intelligence</del>	<del>ISM 6427C</del>
Advanced Business Analytics	ISM 6405 <del>or</del>
Social Media and Web Analytics	ISM 6555
Communication Strategies for Business Professionals and Core-Course Follow-Up	GEB 6215
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

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In addition, students must take three electives from the EECS department as follows: one graduate courses with prefix CAP and one graduate courses with prefix CAP, CDA, CEN, CIS, COP, COT or CNT.

