

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 electives <u>course</u> 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 7 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 ^{two} 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 ^{five} EECS department electives as follows: two graduate courses with prefix CAP and two ^{three} graduate courses with prefix CAP, CDA, CEN, CIS, COP, COT or CNT.	
The last three ^{two} 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 (~~30~~3 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 621 7 ⁵
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 ^{two} one ^{one} electives ^{graduate courses} from the EECS department as follows: two ^{two} one ^{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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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

Brian Farrell

To: Tamara Dinev
Subject: RE: Proposal for Professional ITOM

From: Tamara Dinev <tdinev@fau.edu>
Sent: Wednesday, March 23, 2022 3:05 PM
To: Eric Chiang <chiang@fau.edu>; Brian Farrell <farrellb@fau.edu>
Subject: RE: Proposal for Professional ITOM

Thank you so much, Eric.

Brian:

See below the email chain

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>

From: Eric Chiang <chiang@fau.edu>
Sent: Wednesday, March 23, 2022 3:03 PM
To: Tamara Dinev <tdinev@fau.edu>; Anita Pennathur <PENNATHU@fau.edu>
Subject: RE: Proposal for Professional ITOM

Hello Tamara,

The proposal just passed GPC. However, the Committee would like you to forward the email below from Russ Ivy. Can you send this to Brian Ferrell?

Thanks!

Eric

Eric P. Chiang, Ph.D.

Associate Professor and Graduate Director
Director of Instructional Technology
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From: Tamara Dinev <tdinev@fau.edu>
Sent: Monday, March 21, 2022 8:57 PM
To: Anita Pennathur <PENNATHU@fau.edu>
Cc: Ken Johnson <kjohns91@fau.edu>; Vegar Wiik <vwiik@fau.edu>
Subject: FW: Proposal for Professional ITOM

Dear Anita:

Per the email exchange below, Brian Hodge alerted us that the professional and the traditional programs cannot have different credits. The current proposal which will be voted on is only for the professional program, while the traditional was missed to be changed to 30 credits this round.

Please see my exchange below, in which I guarantee that we will put forth the proposal for the traditional program to the first meeting of the University council in the Fall. Right now we are voting at the department level, we will be able to summit soon to the college.

Per Russ's email, it is fine for the professional program to go now.

It is important, since Executive programs initiates recruiting during the Summer.

I ask you to convey or show this email exchange to the committee if there are any doubts.

Thank you!

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>

From: Russ Ivy <IVY@fau.edu>
Sent: Friday, March 18, 2022 3:42 PM
To: Tamara Dinev <tdinev@fau.edu>; Brian Hodge <bhodge@fau.edu>; Debra Szabo <dszabo@fau.edu>
Cc: Vegar Wiik <vwiik@fau.edu>; Jonathan Sweet <jsweet4@fau.edu>
Subject: Re: Proposal for Professional ITOM

This is fine with me. Debra, will you please monitor this for me as it moves through committees?

Russ

Russell L. Ivy, Ph.D.

Senior Associate Provost

Florida Atlantic University

Boca Raton, FL 33431

561-297-2353

Email: ivy@fau.edu

From: Tamara Dinev <tdinev@fau.edu>

Sent: Friday, March 18, 2022 7:44 AM

To: Brian Hodge <bhodge@fau.edu>

Cc: Vegar Wiik <vwiik@fau.edu>; Russ Ivy <IVY@fau.edu>; Jonathan Sweet <jsweet4@fau.edu>

Subject: RE: Proposal for Professional ITOM

Dear Brian:

Thank you so much for your call and for updating me on the flexibility we can have on the accelerated program.

Based on your information, we will immediately go and reduce the traditional program to 30 credits as well. We hopefully will be able to pass it to the college level this semester, but we run out of time for the University level. You have my guarantee that first thing in August the proposal for the 30 credits traditional will be on the desk of the University Graduate council.

I hope with this guarantee, we can move the professional degree proposal now, and allow just for the Summer months to have this difference between the traditional and the professional.

Thank you so much!

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>

From: Brian Hodge <bhodge@fau.edu>

Sent: Thursday, March 17, 2022 2:35 PM

To: Tamara Dinev <tdinev@fau.edu>

Subject: Proposal for Professional ITOM

Hi Tamara,

I was reading your proposal for the Professional ITOM program ([PCR-ProfessionalMSinITM.pdf \(fau.edu\)](#)) which is coming up for review in next week's GPC meeting. In it, you state that the program requirements will be 30 credits for all concentrations. Is it correct that you are not submitting the same change for the regular (non-professional) program? My understanding was that the professional program requirements cannot be different than the regular program.

Brian

Brian R. Hodge, Ed.D.
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