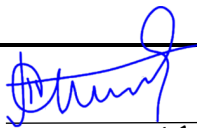
 <b>FLORIDA ATLANTIC UNIVERSITY</b>	<b>NEW/CHANGE PROGRAM REQUEST</b> <b>Graduate Programs</b>	UGPC Approval <u>9/12/22</u> UFS Approval _____ Banner _____ Catalog _____
	<b>Department</b> ITOM  <b>College</b> Business	
<b>Program Name</b> B.B.A. or B.S. to M.S. Combined Program	<input type="checkbox"/> <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. Revised program name to the following:          B.B.A or B.S. with Major in Management Information Systems to M.S. in Information Technology and Management Combined Program*</p> <p>II. Revised verbiage in Introduction, Prerequisite Coursework for Transfer Students, Admission Requirements, and Degree Requirement sections**</p> <p>*Program name did not include major name for bachelors and masters degree in the title</p> <p>**Our combined degree program is among the oldest in the University, more than 10 years. The current verbiage and provisions are outdated. We update the provisions and the verbiage to align with the most recently approved FAU and COB combined programs.</p> <p>*All new programs and changes to existing programs must be accompanied by a catalog entry showing the new or proposed changes.</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 <u></u> College Curriculum Chair <u>Thlyn Williams</u> College Dean <u>Paul Han</u> UGPC Chair <u>Thlyn Williams</u> UGC Chair <u>Dan Meeroff</u> Graduate College Dean _____ UFS President _____ Provost _____	<b>Date</b> <u>05/01/2022</u> <u>8/29/2022</u> August 29, 2022 <u>9/12/22</u> <u>9/12/22</u> _____ _____ _____	

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

## **B.B.A. or B.S. with Major in Management Information Systems to M.S. with Major in Information Technology and Management Combined Program**

The Accelerated (B.B.A. or B.S.) to M.S. prepares highly motivated students for careers as professional information technologists through an integrated, five-year, 150-credit program that leads to the joint award of a The Information Technology and Operations Management department offers a combined Bachelor of Business Administration (B.B.A.) or Bachelor of Science (B.S.) with Major in Management Information Systems and a Master of Science (M.S.) with Major in Information Technology and Management (MSITM) program. Students in this combined program may count up to 12-9 credits of approved graduate coursework (5000 level or higher) toward both their bachelor's degree and master's degree as long as the combined program totals a minimum of 150 credits and: The program begins in the senior year and is based on the Boca Raton campus. Students complete a rigorous curriculum, take their Information Technology classes together as a cohort group and participate in professional development activities.

1. The student has met the minimum 120 credits for the bachelor's degree; and
2. The student has taken a minimum of 30 credits in 5000 level or higher courses for the master's program

With the approximate duration of five years, this combined program provides attractive ways for students to continue their graduate work. Students complete and graduate from their bachelor's degree first, and then continue coursework to finish their master degree program. Students apply for the program in the second semester of their junior year and must complete 150 credits in specified courses, satisfy all University and College major degree requirements for each academic program, maintain a cumulative and major GPA of at least 3.0 and satisfy all other requirements of the accelerated program. Students are awarded each degree separately upon completion of the individual degree requirements.

### **Prerequisite Coursework for Transfer Students**

Students transferring to Florida Atlantic University must complete both lower-division requirements (~~including the requirements of the Intellectual Foundations Program~~) and requirements for the college and major. Lower-division requirements may be completed through the A.A. degree from any Florida public college, university or community college or through equivalent coursework at another regionally accredited institution. Before transferring and to ensure timely progress toward the baccalaureate degree, students must also complete the prerequisite courses for their major as outlined in the [Transition Guides](#).

All courses not approved by the Florida Statewide Course Numbering System that will be used to satisfy requirements will be evaluated individually on the basis of content and will require a catalog course description and a copy of the syllabus for assessment.

### **Admission Requirements**

The GRE/GMAT requirement is waived for this program. To be eligible for the combined program, the bachelor's students in the Bachelor of Business Administration (B.B.A.) or Bachelor of Science (B.S.) with Major in Management Information Systems should:

1. Have a cumulative undergraduate FAU GPA of 3.0 or better at the end of their junior year. Note that the cumulative FAU GPA of at least 3.0 must be maintained until the completion of the Bachelor of Business Administration (B.B.A.) or Bachelor of Science (B.S.) with Major in Management Information Systems degree
2. Have an Information Technology GPA of 3.0 or better at the end of their junior year
3. Formally apply to the combined program, completing the admissions process at least one semester prior to the beginning of the M.S. in Information Technology and Management portion of their program.

Once admitted to the program, students begin taking graduate courses (5000/6000 level courses) in their senior year that would apply to both the bachelor's and master's degree programs. Students in the combined program must maintain continuous enrollment, in full-time status, during their bachelor's degree to remain in the combined program. Once students are admitted to the M.S. in Information Technology and Management program, they must

maintain continuous enrollment to remain in good standing. Students must also meet all of the degree requirements of the graduate program.

Students apply to the program in the second semester of their junior year, during which they should complete the prerequisite courses below. Seniors who would like to apply need to submit a petition for eligibility to the ITOM Department chair. Eligibility exceptions for these students will be considered on a case-by-case basis. Seniors who submitted an application for degree are not eligible to apply for the program and should consider applying to the regular MSITM program instead.

To be considered, students must have a cumulative undergraduate GPA of at least 3.0 and an Information Technology GPA of at least 3.0. Students must also complete an on-site essay and interview with a member of the Information Technology and Operations Management Accelerated Undergraduate/Graduate Programs Committee.

<b>Prerequisites for Admission to Combined Program (Junior Year)</b>		
Management Information Systems (fall) <sup>‡</sup>	ISM 3011	3
Introduction to Computer Systems and Software Development (fall)	ISM 3230	3
Business Data Communications (fall)	ISM 4220	3
Advanced Systems Analysis and Design (spring)	ISM 4133	3
Database Management Systems (spring)	ISM 4212	3

<sup>‡</sup>All College of Business undergraduate students, except Accounting majors, must take this course.

In addition, ISM 6405 (Advanced Business Analytics) or QMB 6303 (Data Management and Analysis with Excel) is required during undergraduate studies and is used to fulfill the required B.B.A. or B.S. 120 degree credits. In the event that a student is unable to complete the 30 M.S. program credits, excluding ISM 6405 or QMB 6303, during the following four semesters after receiving the B.B.A. or B.S. degree, the student will be dismissed from the program. (Changes effective fall 2022.)

Students who successfully complete the first year of the accelerated program are admitted to graduate school in the fall of the second year. The financial aid status of the student changes to graduate at this time. Students who have not maintained the requirements are not automatically admitted to graduate school. These students may apply to graduate school by taking the GMAT and going through the traditional graduate school admission process. In the event that a student completes the undergraduate degree requirements but is unable to complete the graduate degree requirements, the student, upon receiving permission from the College of Business, will be awarded only the undergraduate degree.

## **Degree Requirements**

To be eligible for the combined Bachelor of Business Administration (B.B.A.) or Bachelor of Science (B.S.) with Major in Management Information Systems to Master of Science (M.S.) in Information Technology and Management (MSITM) Degree Program, students must fulfill the following requirements:

1. Completion of the requirements for the Bachelor of Business Administration (B.B.A.) or Bachelor of Science (B.S.) with Major in Management Information Systems
2. Completion of all requirements for the Master of Science (M.S.) in Information Technology and Management (MSITM)

## **Credits Counted Toward Bachelor's and Master's Degrees**

The following Undergraduate course requirements may be replaced with the graduate level courses shown (up to a total of 12.9 credits). These graduate credits count toward both the bachelor's degree and the master's degree.

Undergraduate Course Requirements	Graduate Course Substitution*
<p>Upper Division ITOM Department Electives (9 credits)</p>	<p>Choose among the following courses:</p> <p><b>Business Analytics Group**</b></p> <ul style="list-style-type: none"> <li>● <a href="#">ISM 6404 Intro to Business Analytics and Big Data</a></li> <li>● <a href="#">ISM 6405 Advanced Business Analytics</a></li> <li>● <a href="#">ISM 6136 Data Mining and Predictive Analytics</a></li> <li>● <a href="#">ISM 6217 Database Management Systems</a></li> <li>● <a href="#">ISM 6427C Business Innovation with Artificial Intelligence</a></li> <li>● <a href="#">ISM 6555 Social Media and Web Analytics</a></li> <li>● <a href="#">ISM 6930 Special Topics</a></li> </ul> <p><b>Information Technology Management Group***</b></p> <ul style="list-style-type: none"> <li>● <a href="#">ISM 6058 Mobile Apps for Business</a></li> <li>● <a href="#">ISM 6148 Information Technology Fundamentals</a></li> <li>● <a href="#">ISM 6225 Business Data Communications</a></li> <li>● <a href="#">ISM 6316 Information Technology Project and Change Management</a></li> <li>● <a href="#">ISM 6328 Management of Information and Security</a></li> <li>● <a href="#">ISM 6508 Web-Based Business Development</a></li> <li>● <a href="#">ISM 6509 Information Technology Sourcing Management</a></li> <li>● <a href="#">ISM 6455 Blockchain &amp; Digital Business Transformation</a></li> <li>● <a href="#">ISM 6930 Special Topics</a></li> <li>● <a href="#">QMB 6303 Data Management and Analysis with Excel</a></li> </ul>
<p><a href="#">ISM 4133 (3 credits)****</a></p>	<p>● <a href="#">ISM 6123 (3 credits) ****</a></p>
<p>* Students who have taken an undergraduate elective course cannot use the corresponding graduate course for substitution or for credit towards the graduate program. The following are corresponding undergraduate-graduate courses: <a href="#">ISM 3116-ISM 6404</a>; <a href="#">ISM 3230-ISM 6148</a>; <a href="#">ISM 4053-ISM 6058</a>; <a href="#">ISM 4117-ISM 6136</a>; <a href="#">ISM 4133-ISM 6123</a>; <a href="#">ISM 4212-ISM 6217</a>; <a href="#">ISM 4220-ISM 6225</a>; <a href="#">ISM 4320-ISM 6328</a>; <a href="#">ISM 4403-ISM 6405</a>; <a href="#">ISM 4420-ISM 6555</a>; <a href="#">ISM 4421-ISM 6427C</a>; <a href="#">ISM 4451-ISM 6455</a>; <a href="#">MAN 4583-MAN 6581</a>; <a href="#">MAN 4597-MAN 6596</a>; <a href="#">QMB 3302-QMB 6303</a></p> <p>**Students pursuing the Business Analytics concentration for MSITM should choose two courses from the Business Analytics Group and one course from the Technology Management Group</p> <p>***Students pursuing the Information Technology Management concentration for MSITM should choose two courses from the Technology Management Group and one course from the Business Analytics Group</p> <p>****Students enrolled in the combined program should take ISM 6123, the graduate equivalent of ISM 4133. ISM 6123 will count toward the 12 credits allowed for substitution during the undergraduate program.</p>	

Undergraduate Course Requirements	Graduate Course Substitution*
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<p><u>Upper Division ITOM Department Electives</u> <u>(6 credits)</u></p>	<p><u>Choose among the following courses:</u> <b><u>Business Analytics Group**</u></b></p> <ul style="list-style-type: none"> <li>— <u>ISM 6404 Intro to Business Analytics and Big Data</u></li> <li>— <u>ISM 6405 Advanced Business Analytics</u></li> <li>— <u>ISM 6136 Data Mining and Predictive Analytics</u></li> <li>— <u>ISM 6427 C Business Innovation with Artificial Intelligence</u></li> <li>— <u>ISM 6555 Social Media and Web Analytics</u></li> </ul> <p><b><u>Technology Management Group***</u></b></p> <ul style="list-style-type: none"> <li>— <u>ISM 6316 Information Technology Project and Change Management</u></li> <li>— <u>ISM 6328 Management of Information and Security</u></li> <li>— <u>ISM 6508 Web-Based Business Development</u></li> <li>— <u>ISM 6509 Information Technology Sourcing Management</u></li> <li>— <u>ISM 6455 Blockchain &amp; Digital Business Transformation</u></li> </ul>
<p><u>Upper Division ITOM Department Elective</u> <u>(3 credits) or Upper Division Business elective</u> <u>(3 credits)</u></p>	

\*\* Students who have taken an undergraduate elective course cannot use the corresponding graduate course for substitution or for credit towards the graduate program. The following are corresponding undergraduate-graduate courses: ISM 3116-ISM 6404; ISM 3230-ISM 6148; ISM 4053-ISM 6058; ISM 4117-ISM 6136; ISM 4133-ISM 6123; ISM 4212-ISM 6217; ISM 4220-ISM 6225; ISM 4320-ISM 6328; ISM 4403-ISM 6405; ISM 4420-ISM 6555; ISM 4421-ISM 6427C; ISM 4451-ISM 6455; MAN 4583-MAN 6581; MAN 4597-MAN 6596; QMB 3302-QMB 6303

\*\*Students pursuing the Business Analytics concentration for MSITM should choose two courses from the Business Analytics Group and one course from the Technology Management Group

\*\*\*Students pursuing the Information Technology Management concentration for MSITM should choose two courses from the Technology Management Group and one course from the Business Analytics Group

\*\*\*\*Students enrolled in the combined program should take ISM 6123, the graduate equivalent of ISM 4133. ISM 6123 will count toward the 12 credits allowed for substitution during the undergraduate program. Students should not take both the undergraduate ISM/MAN/QMB course and Graduate ISM/MAN/QMB course with the same or similar course title

\*\*Students pursuing the Business Analytics concentration for MSITM should choose two courses from the Business Analytics Group and one course from the Technology Management Group

\*\*\*Students pursuing the Information Technology Management concentration for MSITM should choose two courses from the Technology Management Group and one course from the Business Analytics Group

Three of the following MIS major courses must be completed with a grade of "B" or better. In addition to the required graduate-level courses below, students must choose one of the two concentrations below and take all three courses in the chosen concentration.

<b>Senior Year (18 credits)</b>		
<b><i>Business Analytics Concentration*</i></b>		
Introduction to Business Analytics and Big Data (fall)	ISM 3116	3
Data Mining and Predictive Analytics (fall)	ISM 4117	3
Social Media and Web Analytics (spring)	ISM 4420	3 or
Contemporary Issues of Digital Data Management (spring)	ISM 4041	3 or
Artificial Intelligence and Digital Transformation for Business (fall)	ISM 4421	3
<b><i>Cybersecurity*</i></b>		
Introduction to Cybersecurity (fall)	ISM 4320	3
Management of Information Assurance and Security (fall)	ISM 4323	3
Computer Forensics (spring)	ISM 4324	3
<b>MIS Concentration Total</b>		<b>9</b>
<b><i>Required Graduate-Level Courses</i></b>		
Advanced Business Analytics (spring)	ISM 6405	3 or
Data Management and Analysis with Excel	QMB 6603	3
Management of Information Systems and Technology (summer)	ISM 6026	3
Communication Strategies for Business Professionals and Core Course Follow Up	GEB 6215	3

\* ISM 4930, Special Topics, or ISM 4940, Information Technology and Operations Management Internship, may be used as substitutes to fulfill concentration requirements.

<b>Graduate Year (24 credits)</b>		
<b><i>Fall*</i></b>		
Information Technology Project and Change Management	ISM 6316	3
Management of Information Assurance and Security	ISM 6328**	3
Enterprise Information Technology Service Management	ISM 6368	3 or
Business Innovation with Artificial Intelligence	ISM 6427C	3
Blockchain and Digital Business Transformation	ISM 6455	3
<b><i>Spring*</i></b>		
Web-Based Business Development	ISM 6508	3
Information Technology Sourcing Management	ISM 6509	3
Choose from menu of CECS courses below	-	3
<b><i>Summer</i></b>		

Choose from menu of CECS courses below	-	3
Choose from menu of CECS courses below	-	3
<i>College of Engineering and Computer Science (CECS) Course Options</i>		
Data Mining and Machine Learning	CAP 6673	3
Software Testing	CEN 6076	3
Software Engineering	CEN 5035	3
Computer Data Security	CIS 6370	3
Computer Network Programming	CNT 5715	3
Mobile Computing	CNT 6517	3
Object-Oriented Software Design	COP 5339	3
Component Programming with .NET	COP 5595	3
Theory and Implementation of Database Systems	COP 6731	3
Topics in Computer Science (Advanced Web Technologies)	COT 5930	3
Wireless Networks	EEL 6591	3

\* ISM 6942, Graduate Information Technology and Operations Management Internship, may be substituted for one of the required College of Business courses (offerings are dependent upon employer availability).

\*\* Students who took ISM 4320 and ISM 4323 need to consult with their graduate advisor to take a substitute course.