

# Big Data Analytics Graduate Certificate

## What is the Big Data Analytics Certificate?

- The digital age is here to stay. Organizations now own and have access to unfathomable amounts of data. New technologies and efforts are needed to move on to the next phase of the digital revolution - the data revolution. To provide students with the knowledge necessary in this age of Big Data, the Department of Computer and Electrical Engineering and Computer Science (CEECS) and the Department of Information Technology and Operations Management (ITOM) have jointly designed the Big Data Analytics graduate certificate.
- This 12-credit certificate allows graduate students to expand their knowledge and skills in the concepts, technologies, and tools of business intelligence, data analytics and business analytics and be recognized for their achievement.

## Big Data Analytics Certificate



## ADMISSION CRITERIA

- Bachelor's degree in Business or in a related field for the Business Track
- Bachelor's of science degree in Computer Science or in a related field of science or engineering for the Computer Science track
- GPA of at least 3.0
- Students must satisfy the prerequisites for each course in the program
- All four course must be completed with a GPA of 3.0 or better
- All course material are in English; all international students must demonstrate proficiency in English to enter the program



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# Big Data Analytics Graduate Certificate

## PROGRAM TRACKS

### • Business Track

- The Big Data Analytics certificate with a track in Business will be granted to a student who completes three 3- credit courses from the ITOM Business Analytics course list and one 3-credit course from the CS Data Analytics course list.

### • Computer Science Track

- The Big Data Analytics certificate with a track in Computer Science will be granted to a student who completes three 3-credit courses from the CS Data Analytics course list and one 3-credit course from the ITOM Business Analytics course list.

## HOW TO APPLY

For students who meet the admission requirements listed above, below are the following steps to apply for the Big Data Graduate Certificate program:

- Please send transcripts reflecting the completion of your bachelor's degree along with the application form to the College of Business Graduate Advisor for the Big Data Analytics Graduate Certificate in the College of Business.
- Once you have been approved for the program, the College of Business Graduate Advisor will provide you with the program advising sheet so that you may select the classes you plan to complete.

## PROGRAM COURSE INFORMATION

### ITOM Business Analytics Course List

- ISM 6136: Data Mining and Predictive Analytics
- ISM 6217: Database Management Systems
- ISM 6404: Intro to Business Analytics/Big Data
- ISM 6405: Advanced Business Analytics
- ISM 6555 -Social Media and Web Analytics
- QMB 6603 - Data Analysis for Managers
- QMB 6303 - Data Mgmt. & Analysis with Excel

### Computer Science Data Analytics Course List

- Please Visit the Link below to View the Recommended College of Engineering and Computer Science Elective Course List for Big Data Analytics Business Students

<https://business.fau.edu/itom/cs-courses/>



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