MASTER of SCIENCE in
BUSINESS ANALYTICS
LEARN TO MANAGE AND LEVERAGE BIG DATA

ONE YEAR ON CAMPUS

ALYSSA QUIGLEY

MS-BA 2020

Business Analyst, ReliaQuest
Tampa, Florida

"This degree helped prepare me to tackle complex projects both technically and professionally. I was constantly challenged throughout the innovative, rigorous curriculum. In fact, I learned so much Python programming that I'm known as the 'Python person' in our department."

JOSEPH ALTER

MS-BA 2019

Consultant, CCG Analytics Solutions & Services
Tampa, Florida

"The program positions its MS-BA graduate as a very competitive applicant who has enough technical knowledge to solve a hands-on, data-related issue, but also the business prowess to envision how the data relates to the big picture."

MOVE FORWARD
TODAY!

- **Benefit from high industry demand and soaring job growth**
- **Develop analytical skills that lead to best business solutions**
- **Apply by March 1 and begin in May**

FLORIDA STATE UNIVERSITY
VIRES · ARTES · MORES
1851

FLORIDA STATE UNIVERSITY
COLLEGE OF BUSINESS
Graduate Programs

business.fsu.edu/MS-BA

Curriculum

The one-year Master of Science in Business Analytics degree program requires students to complete 11 courses (33 credit hours). Our program is robust and provides students with a rigorous foundation of machine learning, programming and optimization. Students entering the program should be committed to further improving their mathematical/statistical and programming training. This training will prepare students to be leaders in the analytics field or to apply to related Ph.D. programs. The courses in the program will make use of a variety of mathematical, statistical and programming tools. These tools include: (i) calculus and linear algebra, (ii) statistical methods (including regression and its extensions), and (iii) computer programming software (R, Python, C++, Java, etc.)

Core

All MS-BA students are required to complete 8 core courses (24 credit hours). Courses include:
ISM 5136 Data Analytics and Mining for Business (3 hrs)
ISM 5560 Data Management in Business Analytics (3 hrs)
ISM 5565 Foundational Concepts for Business Analytics (3 hrs)
ISM 5566 Forecasting, Revenue Management & Pricing (3 hrs)
ISM 5569 Business Analytics Capstone (3 hrs)
ISM 5644 Programming for Analytics (3 hrs)
QMB 5755 Quantitative Methods in Business Analytics I (3 hrs)
QMB 5616 Probabilistic Optimization for Analytics (3 hrs)

Electives

MS-BA students also are required to choose 3 additional elective courses (9 credit hours). Options will include applications of analytical tools in specific business disciplines, such as marketing, human resources, operations, finance or real estate.

Note: Program requirements are subject to change. For the most current published information, please visit **business.fsu.edu/MS-BA**.

Prerequisites

All applicants must have a bachelor's degree from a regionally accredited institution. Prerequisite coursework should provide a solid background in mathematics, statistics and computing. This would include: (1) at least one college-level course in calculus, (2) at least one college-level course in probability and statistics, and (3) at least one college-level course in computer programming using a high-level language such as Python, R, C++, etc. Previous coursework in business is not required, but all applicants are expected to have a general knowledge of economics, finance, accounting, statistics, calculus and management principles.

Cost

The program follows the university's tuition rates. For a complete list of current estimated costs, visit **business.fsu.edu/MS-BA**.
Please note: Tuition and fees are subject to change.

Deadlines

Applications are due by March 1 for summer entry. Program begins each May.

Admission guidelines

Admission to the Master of Science in Business Analytics program is highly competitive. The decision is based on a portfolio of qualifications, including prior academic experience, work experience, entrance exam scores (such as GMAT or GRE) and letters of recommendation. The entrance exam is a university requirement that may be waived if an applicant meets certain criteria. For exact criteria and instructions on requesting waivers, see **business.fsu.edu/waive**.

Application process checklist

The following items should be submitted through the Florida State Graduate Application portal, available exclusively online at **admissions.fsu.edu/gradapp:**
- Applicant Statement
- Current resume/C.V., clearly indicating work experience including dates and positions held, noting full-time or part time employment. Management, business and leadership experience should also be clearly detailed.
- Three (3) letters of recommendation from employers or former college professors that speak specifically to the applicant's ability to successfully complete the MS-BA program (submitted by the recommenders in the online application).
- Florida Residency Declaration
- Nonrefundable application fee of $30.00 (see University Application or go to **fees.fsu.edu**)

The following items should be sent to the Graduate Admissions Office, 222 S. Copeland St./314 Westcott Building, Florida State University, Tallahassee, FL 32306-1410 or to **graduateadmissions@fsu.edu**:
- One (1) official transcript from all colleges and universities attended (FSU transcripts are not necessary for FSU alumni, students)
- Official GMAT/GRE score(s) and, if applicable, TOEFL/IELTS score(s) (The TOEFL/IELTS score is a University requirement for international applicants whose native language is not English and who have not completed an undergraduate or graduate degree in an English speaking country; therefore, it cannot be waived.) The code to send GMAT scores to Florida State is PN8K567, and the code to send GRE or TOEFL scores is 5219..

Note to international applicants: For more information concerning financial responsibilities, degree equivalency, etc., please visit: **gradschool.fsu.edu/admissions/international-admissions**

The FSU College of Business is accredited by the Association to Advance Collegiate Schools of Business (AACSB International).

Graduate Programs | (850) 644-6458 | gradprograms@business.fsu.edu