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

ONE YEAR ON CAMPUS

BRYCE SHAY

MS-BA 2019

Financial Data Analyst, The Home Depot
Atlanta, Georgia

"Although I had no prior experience with programming, I was able to pick it up quickly with the great professors and collaborative working environment. My graduate education gave me the technical and analytical skills I needed to be successful in the analytics and helped me secure my dream job."

NATHAN KOTYN

MS-BA 2022

Health Business Analyst, Florida Blue
Jacksonville, Florida

"The smaller cohort of students in the MS-BA program reinforced the importance of teamwork in carrying out business operations and built long-lasting professional relationships. Additionally, the individualized attention from professors provided me with the knowledge to apply my skill set to a multitude of complex problems."

MOVE FORWARD
TODAY!

- Benefit from high industry demand and soaring job growth
- Develop analytical skills that lead to best business solutions in a STEM-designated degree program
- Apply by March 1 and begin in summer

FLORIDA STATE UNIVERSITY
COLLEGE OF BUSINESS
Graduate Programs

VIRES ARTES MORES
1851

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 courses

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 and 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.

STEM designation

The MS-BA qualifies as a Science, Technology, Engineering or Mathematics (STEM) degree, assuring graduates of employer demand and allowing eligible graduates on student visas to extend their U.S. work stay up to two years longer.

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 summer.

Admission guidelines

Admission to the MS-BA program is highly competitive. The decision is based on a portfolio of qualifications, including prior academic experience, work experience, optional entrance exam scores (such as GMAT or GRE) and letters of recommendation. Entrance exam scores are optional for this program and can be submitted if they will enhance an application. Any submitted test scores become part of the application and are used in the admission decision.

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 if applicable
- 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 test scores if applicable:
    - GMAT or GRE scores are optional and should be submitted if the will enhance the application. Any submitted test scores become part of the application. The code to send GMAT scores to Florida State is PN8K567, and the code to send GRE scores is 5219.
    - English Language Proficiency score(s) are an FSU requirement for international applicants whose native language is not English and who have not completed an undergraduate or graduate degree from a U.S. institution or other institution where English is the required language of instruction; therefore, it cannot be waived. The code to send TOEFL scores to Florida State is 5219.

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

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