MASTER OF SCIENCE IN BUSINESS ANALYTICS

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The MS in Business Analytics program is designed to develop the skills to extract, analyze, interpret and present data for business decision-making. These skills are critical to decision-making in every sector of industry, government and nonprofit organizations. The program emphasizes analytical and statistical tools that enable graduates to use sophisticated means to mine, analyze, evaluate and present data in a variety of organizational environments.

MS in Business Analytics Program of Study

Code	Title	Credits
Required Core Courses		**21**
BAN 610	Introduction to Business Analytics	
BAN 615	Predictive Business Analytics	
BAN 621	Data Management	
BAN 628	Data Mining for Competitive Advantage	
BAN 629	Text Analytics	
BAN 650	Data Visualization for Managers	
BAN 668	Python Programming for Data Analysis	
Elective Courses		
Select four of the following: [1]		12
BAN 660	Optimization	
BAN 663	Business Data Analytics with R	
BAN 665	Big Data and Hadoop	
BAN 667	Design and Analysis of Business Information Systems	
BAN 669	Project Management	
BAN 671	Fundamentals of Blockchain Technology	
BAN 672	Applied Business Analytics W Advance Exc	
BAN 673	AI and Analytics in Healthcare	
BAN 690	Business Analytics Capstone	
MBA 630	Business Data Analytics	
Total Credits		**33**

[1] Additional elective business courses are available to students at the discretion of the program director.

MSBA Concentrations

MSBA with Concentration in Marketing

Code	Title	Credits
Must complete MSBA Core Courses		
Take the following three electives		
MBA 645	Marketing Decision Making	
MK 619	Marketing Analytics	
Take one Marketing 600-level elective		
MBA 645 is a prerequisite for all MK 600-level courses		

MSBA with Concentration in Health Care Management

Code	Title	Credits
Must complete MSBA Core Courses and three electives		
Take the following three electives		
BAN 673	AI and Analytics in Healthcare	
HM 600	Foundations of Health Care Management	
Take one 600-level HM elective		

MSBA with Concentration in Finance

Code	Title	Credits
Must complete MSBA Core Course		
Take the following three electives		
BAN 660	Optimization	
MBA 640	Financial Decision Making (Take FIN 610 only If UG Finance major)	
or FIN 61	Investment and Portfolio Analysis I	
Take one MS in Finance 600-level elective		

MSBA with Concentration in Supply Chain

Code	Title	Credits
Must complete MSBA Core Courses		
Take the following three electives		
BAN 660	Optimization	
MBA 635	Supply Chain Management in a New Era	
Take one of the following:		
MG 642	Logistics Management	
MG 643	Strategic Sourcing and Supply Management	
MK 615	Managing Marketing Channels	
IB 623	International Business Negotiation (Or similar)	

Student Learning Outcomes

Upon completion of the MS in Business Analytics program, students will demonstrate the following competencies:

1. **Data Analysis**: Evaluate different techniques used to analyze data.
2. **Data Management**: Explain how data is stored, accessed and retrieved.
3. **Analytical Reasoning**: Apply business analytics techniques and utilize analytical tools for organizational decision-making.
4. **Critical Thinking**: Demonstrate skills in interpreting and presenting analytical results.

Master of Science in Business Analytics

Accelerated Dual-Degree BS/MS in Business Analytics (3+1) (http://catalog.qu.edu/graduate-studies/business/business-analytics-ms/accelerated-dual-degree-bs-ms/)

Dual-Degree BS/MS or BA/MS in Business Analytics (4+1) (http://catalog.qu.edu/graduate-studies/business/business-analytics-ms/dual-degree-bs-ms/)

Accelerated Dual-Degree BS in Economics/MS in Business Analytics (3+1) (http://catalog.qu.edu/arts-sciences/economics/economics-31-bs-msba/)

Admission

To be admitted to the program, an applicant must have completed an undergraduate degree program with a GPA of at least 3.00. Work experience and recommendations also are strongly considered in the admission process. Standardized test scores (such as GMAT or GRE) submitted by the students in support of the application also are considered, but are not required.

In addition, applicants to the MS in Business Analytics program must possess an undergraduate major, graduate degree or other significant coursework in a quantitatively oriented area, including but not limited to mathematics, actuarial science, statistics, computer science, engineering, operations management, accounting, finance, economics or the natural sciences.

A complete application consists of the following:

1. Program application (submitted online). Go to Quinnipiac's Graduate Admissions (http://www.qu.edu/gradhowtoapply/) webpage.
2. Official transcripts of all undergraduate and graduate work completed.
3. A personal statement.
4. Three letters of recommendation, including at least one from a professional contact.
5. A recent resume.
6. Application fee.

International Applicants:
Prospective international students must submit certified translations of official transcripts prepared by World Education Services (http://www.wes.org/) (WES) or another acceptable organization that is approved by Quinnipiac for this purpose.

All applicants from non-English speaking countries must indicate that they have the language capability to understand business instruction in English and must provide official Test of English as a Foreign Language (TOEFL) scores. In general, a minimum TOEFL Internet-based score of 90 is required for admission (or 233 for computer-based, or 575 for paper-based).

In lieu of TOEFL, applicants may submit International English Language Testing System (IELTS) scores. A minimum score of 6.5 on this exam, a B or above on the Certificate of Advanced English or a C or above on the Certificate of Proficiency in English is required. TOEFL and IELTS scores are valid for two years.

International applicants are required to submit proof of adequate funds to complete their study at Quinnipiac University before an eligibility form (I-20) can be issued. Complete the Statement of Financial Support and submit along with supporting documentation. In addition, a copy of a passport or national ID is required. The Statement of Financial Support (https://www.qu.edu/4aa378/globalassets/global/media/qu/documents/paying-for-college/undergraduate/statement-financial-support-admissions-form.pdf) can be found on the Admissions webpage (https://www.qu.edu/admissions/graduate/apply/international/).