

# BUSINESS ANALYTICS (MS)

## Master of Science in Business Analytics

Unit: College of Business (<http://business.louisville.edu/>) (GB)  
 Program Website (<https://business.louisville.edu/msba/degree-details/>)  
 Academic Plan Code(s): BUANMS

## Program Information

The Master of Science in Business Analytics (MSBA) is an accelerated, cohort-based 13-month, three-semester program. Students work both in teams and independently in completing the coursework.

The MSBA curriculum combines information systems technologies, data modeling, and analytics with business acumen and impactful communications to develop the skills necessary to become a successful data scientist with excellent potential for professional growth. The program is also designed and delivered in close collaboration with local businesses providing a strong business orientation, increasing your skill relevance in the marketplace upon graduation.

## Admission Requirements

1. Completion of a graduate application (<http://louisville.edu/graduate/apply/>) along with application fee
2. Provision of two letters of reference, a resume, and a personal statement
3. Completion of an undergraduate degree along with official transcripts
4. GMAT or GRE score: May be waived for applicants with significant work experience in the field of analytics or for applicants with significant academic exposure (e.g., major or minor) in a STEM or technical field

## Program Requirements

The Master of Science in Business Analytics (MSBA) program requires a minimum of 30 credit hours for program completion. Currently, 25.5 credit hours are core and 4.5 credit hours are in electives.

Students also may enroll in up to three (3) additional credit hours in Analytics Internship courses spread across the program's three semesters.

## Core Courses and Special Topics

Course	Title	Hours
<b>Year 1</b>		
<b>Fall</b>		
MSBA 630	Data Management	3.0
MSBA 605	Programming for Analytics	1.5
MSBA 610	Linear Algebra	1.5
MSBA 615	Introduction to Statistical Packages	1.5
MSBA 620	Data Analytics I	3.0
<b>Hours</b>		<b>10.5</b>
<b>Spring</b>		
MSBA 635	Data Analytics II	3.0
MSBA 645	Data Mining	3.0
MSBA 650	Data Analytics III	3.0
MSBA 680	Special Topics in Business Analytics (Elective course)	1.5
<b>Hours</b>		<b>10.5</b>
<b>Summer</b>		
MSBA 685	Analytics Internship (optional, spread across three semesters) <sup>1</sup>	1.0

MSBA 625	Storytelling with Data	3.0
MSBA 680	Special Topics in Business Analytics (Elective course)	3.0
MSBA 690	Analytics Capstone	3.0
<b>Hours</b>		<b>9</b>
<b>Minimum Total Hours</b>		<b>30</b>

Sequence of courses is subject to change.

<sup>1</sup> Optional internship, 1 credit hour per semester completed.