



MISBA

MASTER OF
SCIENCE
IN BUSINESS
ANALYTICS



UNIVERSITY OF
NOTRE DAME

Mendoza College of Business



FIND CLARITY IN THE CHAOS

The demand for professionals who understand data concepts and can apply them to critical business decisions is increasing at a rapid rate. By 2018, the U.S. alone could face a shortage of 1.5 million managers and analysts with data-analytics know-how.*

What does this mean to you?

Business analytics offers a **wealth of career opportunities** across industries, from retail marketing to healthcare, data security to manufacturing.

The Notre Dame **Master of Science in Business Analytics** prepares you to meet the challenges of the data-driven economy, providing you with the tools and knowledge to guide executive decision making, direct policy changes and lead your organization forward.

**ANALYTICS WAS THE
MOST FREQUENTLY
MENTIONED SKILL
EMPLOYERS LOOKED
FOR IN BUSINESS
SCHOOL GRADUATES**

GMAC Corporate Recruiters
Survey Report 2015

**World-class
faculty**

**Earn while
you learn**

**Grow your
network**



Companies recognize that **analytics can add significant value** to their businesses, but simply have trouble finding people who are skilled in both business and the technologies and tools of analytics.

Our MSBA students master both data and analysis toward **effective decision making** that creates **value and competitive advantage.**"

Don Kleinmuntz, Ph.D.

Professor of the Practice and Academic Director
Master of Science in Business Analytics

**BY 2018, 50% OF
BUSINESS ETHICS
VIOLATIONS WILL BE
RELATED TO DATA**

Gartner 2015

**ONLY 29% OF DATA
ARCHITECTS SAY
THEIR FIRMS ARE
GOOD AT CONNECTING
ANALYTICS RESULTS TO
BUSINESS OUTCOMES**

Forrester 2016



Justin Rivera, MSBA '16

Years of work experience: 6

Employer: BP

Before MSBA: Rotational Program

After MSBA: B2C Marketing
Coordinator

Q How do you use analytics?

A. Every day, people are coming and going from our more than 7,000 stores across the Midwest. I use data analytics to understand our customers better, to assess the impact of demographics and geography, and ultimately, to answer the question: How do we grow our business? Every transaction is a piece of data that can be used to better serve each customer and local market with the right products and service.

Q Why are you passionate about analytics?

A. I love problem solving, and for me, a lot of the business world is just puzzles. Business asks: How do you solve this problem? How do you answer this question? Analytics is about collecting bits and pieces of information and connecting them to answer those questions; it's about using the data to drive actual decision making.

Q Why the Notre Dame MSBA?

A. There were hints along the way (at my job) that kept sparking my interest in analytics. When I came across the Notre Dame MSBA program, it was that little nugget I kept seeing that I knew sparked a fire in me.

BIGGER THAN BIG DATA

The sheer volume of today's data presents real challenges for businesses. How should all of this data be produced, collected, cleaned and stored? These are important "Big Data" questions that need to be addressed, but analytics goes far beyond just these questions.

BUSINESS ANALYTICS IS THE INTERSECTION OF DATA AND BUSINESS DECISIONS

With an MS in Business Analytics, you create impact. You understand the techniques and challenges of data, while also telling the stories of data in a powerful way. You have the unique skills and knowledge to access instant realities, build analysis models, create simulation scenarios and communicate recommended next steps. Ultimately, you become a fundamental conduit between the data teams and decision-makers in management.





Everybody is chasing Big Data. But you need to ask yourself, like the dog that is chasing the car: What are they going to do with it when they catch it? Do they know how to take that data and turn it into insight, and insight into impact? Data that doesn't turn into impact is really just trivia."

Jack Levis

Senior Director of Process Management, UPS
Remarks from transcript of 2014 UPS Investor Conference, November 13, 2014



Julie Arendarczyk, MSBA '16

Years of work experience: 20

Employer: Tyco

Before MSBA: National Sales Manager

After MSBA: Data Scientist/
Business Development Manager

Q How do you use analytics?

A. Within my organization, we recently developed a data intelligence group. Internally, I design algorithms to create machine learning and predictive analytics. I also help our customers to better understand what analytics can do for their business. I love being able to leverage my business knowledge with the data side to be more strategic.

Q Why are you passionate about analytics?

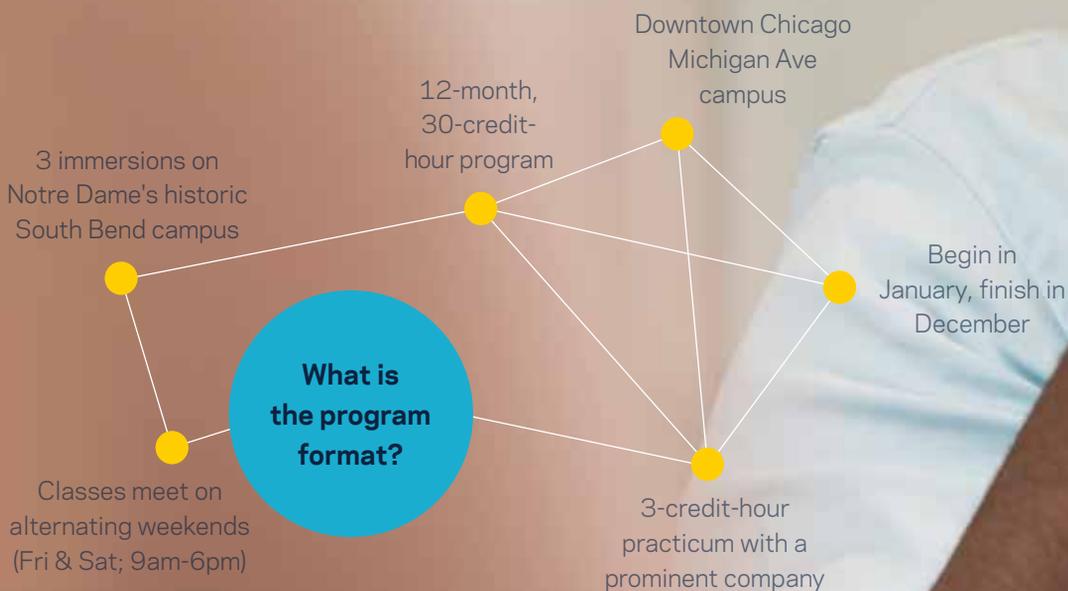
A. I've always had a passion for analytics, numbers and science. I ended up going a different path in my career, but I knew at some point I would end up getting back to this. Analytics helps me use data to answer questions. It definitely takes a curious mind to mine data—especially the complex data available today.

Q Why the Notre Dame MSBA?

A. Analytics has really taken off, especially over the past five years, so I saw this as a way to change my career path and be a part of the future.

WE MAKE BUSINESS PERSONAL

Notre Dame's Master of Science in Business Analytics is a one-year program designed to fit into your life as a working professional. Coursework takes place on alternating weekends, so you keep your job while pursuing your advanced degree. Visit msba.nd.edu for more program details.





2+ years of work experience

Currently working

Curious mind

What does it take?

Quant savvy

Problem-solver

Aon Hewitt

Accenture

BP

White House

Where do my classmates work?*

Caterpillar Inc.

Deloitte Consulting

GE

Average Years of Professional Experience: 8

Percentage of Female Students: 30%

Uline

IBM Corp

Epic Health Systems

Average Age: 32

Sandia National Laboratories

Blue Cross Blue Shield Association

Industries Represented: 12

Class of 2017 Profile

*A sampling of employers from our MSBA Classes of 2016 and 2017

#3

Rated No. 3 for Networking
The Economist EMBA
2015

270

Alumni Clubs Worldwide

#5

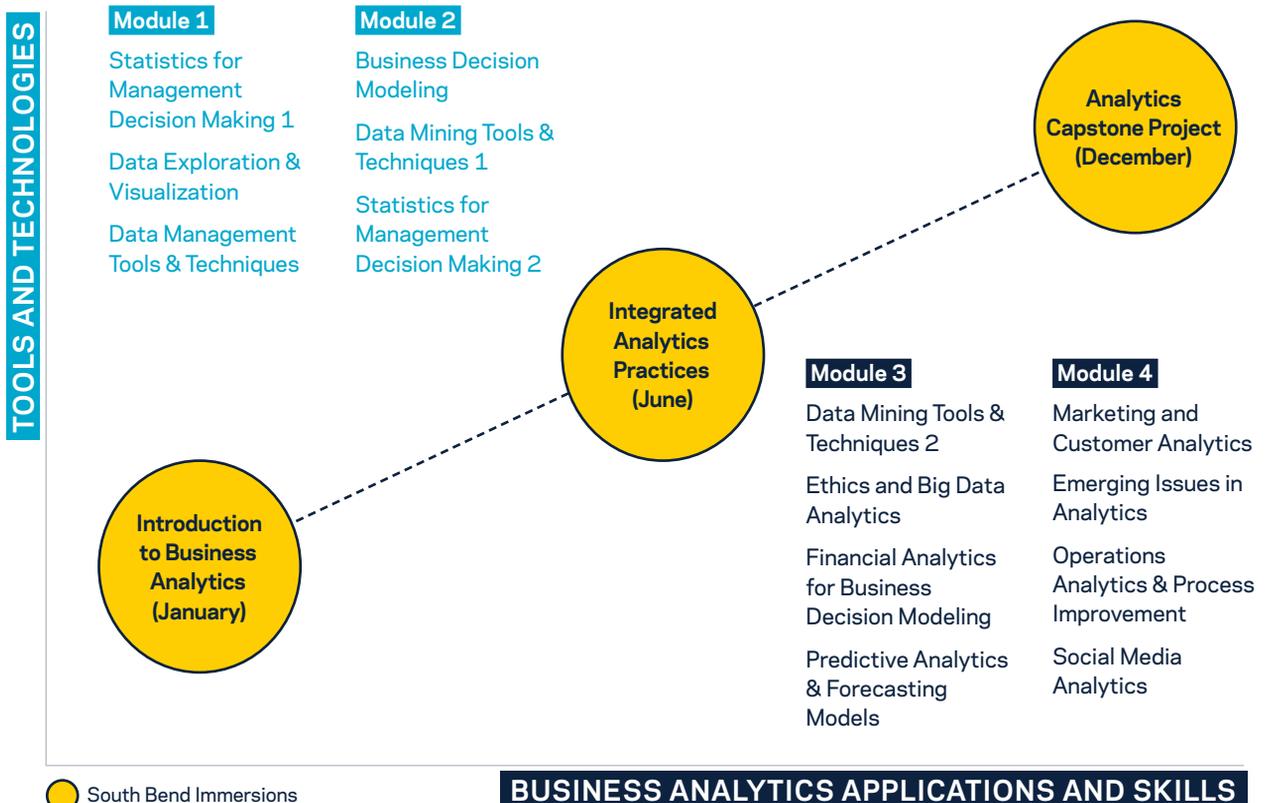
Rated No. 5 for Alumni Effectiveness
The Economist MBA
2015

LABORATORY LEARNING

As a top-ranked business school, we know how to frame business problems and decisions in a manner that promotes high-quality results. Through immersive group work and the case study approach, you will learn how data insights can be applied in real business situations. Throughout the program, you will collaborate with people from different industries and educational backgrounds. Your common purpose will be a shared passion for discovery—and finding answers.

CURRICULUM OVERVIEW

Tools and techniques are essential to understand the data, but knowing how to interpret and apply that data is what allows you to become a confident, curious and insightful leader. The curriculum provides a set of courses around tools and technologies, and a set of courses around business analytics applications and skills. Additional coursework and immersions focus on the context of how analytics is used in business organizations.





How do students describe the MSBA experience at the Mendoza College of Business?



Cliff Weeks, MSBA '16

White House Duty Officer
Department of Defense

"Our mid-year project focused on finding and solving a problem that would change Chicago. My group chose to look at crime statistics, so we put the whole team into a room to analyze data and build statistical models. We found that based on weather, we could predict crime statistics that would benefit law enforcement. It was an amazing learning experience."



Kaitlyn O'Connell-Keleghan, MSBA '16

Management Consultant
Russell Reynolds Associates

"We all have wildly different skills, and we all come from different industries and functions. You are able to lean on your group members, learn from your group members and work together to get to those common goals."

Business school to watch in 2016
Poets & Quants

BUSINESS AS ONLY NOTRE DAME CAN TEACH IT

Combine the power of analytics with the foresight of a top-ranked business school. Our integrated, rigorous and ethics-based curriculum will challenge you in ways beyond your expectations—and will help facilitate your transformation from a business professional into a true business leader with the unmatched Notre Dame alumni network supporting you.

Academic excellence. Management expertise. Dedication to ethics. Experienced and world-renowned faculty members. A part-time format for your full-time schedule. We've combined all of these factors to form a powerful formula for success.

#1

MBA for ROI Among
Top 30 Schools
Bloomberg
Businessweek
2014

#2

Undergraduate
Business School
Bloomberg
Businessweek
2016

#15

American
Executive MBA
Program
Poets & Quants
2016

You're just a few steps away from a legendary education.

MSBA.ND.EDU

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mendoza.nd.edu/msba/video

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Don't wait to apply, classes begin in January.



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