

# MS Business Analytics Program Plan

The MS Business Analytics degree focuses on the exciting and fast-growing field of “big data.” Learn about merging developments in marketing and customer analytics including operations research, business analytics, aspects of computer science and statistical methods during your degree. The curriculum offers a technical, quantitative, and statistically intensive program designed to train specialists in turning data into business decisions.

The 10-month Master’s program focuses on preparation in three areas:

- Technical coding and data architecture skills

**Summer B**

6 Credits

MSBC 5070 Survey of Business Analytics	3
MSBX 5410 Fundamentals of Data Analytics	3

**Fall**

12 Credits

MSBC 5180 Machine Learning	ing ing ing eae	MSBX 5420 Unstruc	MBAX 6330 Market Intelligence
APRD 6342 Digital Advertising (Spring)			
MSBX 5310 Customer Analytics (Spring)			

**Decision Sciences**

MSBC 5680 Optimization Modeling (Fall)
MATH/STAT 5540 Introduction to Time Series (Spring)
MBAX 6410 Process Analytics (Spring)

**Security Analytics**



MSBX 5500 Security Analytics with Python (Spring)

**Healthcare Analytics**

NURS 6286 Foundation of Healthcare Informatics (Fall)
NURS 6289 Information Systems Life Cycle (Spring)
MSBX 5425 Healthcare Analytics (Spring)

**For more information, contact:**

**Admissions Information**

Leeds Graduate Programs  
[leedsgrad@colorado.edu](mailto:leedsgrad@colorado.edu)  
 (303) 492-8397

Orientation in Late June 2023.  
 First day of classes: July 11, 2023.  
 Graduation: May 9, 2024.



# MS Business Analytics Program Plan

## Healthcare Analytics - Nursing Course Descriptions and Information

The following courses can be found in the [CU D A M C C C](#).

Please note that they are \_\_\_ yet in the CU Boulder course catalog.

### NURS 6286 Foundation of Healthcare Informatics - Course Description:

#### **NURS 6286 - F I (3 C )**

This introductory course focuses on core concepts, skills, tools that define the informatics field and the examination of health information technologies to promote safety, improve quality, foster consumer-centered care, and efficiency.

Grading Basis: Letter Grade

### NURS 6289 Information Systems Life Cycle - Course Description:

#### **NURS 6289 - I S L C (4 C )**

This course focuses on a structured approach to information system development and implementation. The course addresses the five phases of the life cycle: planning, analysis, design, implementation and evaluation. Prereq: Minimum of one informatics course or permission of instructor.

Grading Basis: Letter Grade

Typically Offered: Fall.