

# UNIVERSITY OF NORTH TEXAS G. BRINT RYAN COLLEGE OF BUSINESS



## ***MBA BUSINESS ANALYTICS (STEM)***

The MBA in Business Analytics is designed to provide an extensive base of knowledge of managerial responsibilities. An MBA program is designed for students who desire a more general management background than an MS in Business Analytics, which has more of a specialization and focus in the field. Additional information on the Decision Sciences program may be obtained from the Information Technologies and Decision Sciences department or departmental advisor.

Career opportunities after you complete the MBA program through the Department of Information Technology and Decision Sciences are abundant. An MBA with a concentration in Business Analytics supports growth and development from two perspectives. One, if you have an established career path, the Business Analytics concentration provides you the opportunity to gain the broader, more general perspective necessary for promotion to leading managerial positions. Two, if you are preparing for the business world, the combination of an undergraduate degree with an MBA concentration in Business Analytics provides an excellent foundation for additional career opportunities.

### **CAREER POSSIBILITIES**

Business Analyst | Computer Specialist | Data Mining Specialist | Program Directors | Statistical Manager | Statistician | Survey Researcher

### **DEGREE REQUIREMENTS**

#### **CORE COURSES (18 HOURS)**

- ACCT 5130 (3 hrs.) Accounting for Management
- DSCI 5180 (3 hrs.) Intro to the Business Decision Process
- FINA 5170 (3 hrs.) Financial Management
- MKTG 5150 (3 hrs.) Marketing Management
- MGMT 5140 (3 hrs.) Organizational Behavior and Analysis
- BUSI 5190 (3 hrs.) Administrative Strategy (last semester)

#### **REQUIRED COURSES (12 HOURS)**

- DSCI 5210 (3 hrs) Model-Based Business Intelligence
- DSCI 5240 (3 hrs) Data Mining
- DSCI 5260 (3 hrs) Business Process Analytics
- DSCI 5330 (3 hrs) Enterprise Appl. of Business Intelligence

#### **SUPPORTING COURSES (6 HOURS SELECTED FROM)**

- DSCI 5350 (3 hrs) Big Data Analytics
- DSCI 5360 (3 hrs) Visualization Analytics
- DSCI 5250 (3 hrs) Statistical Techniques in Simulation
- DSCI 5340 (3 hrs) Predictive Analytics & Business Forecasting

### **BACKGROUND COURSES/CONTENT**

Background content includes:

- » Micro and Macro Economics
- » Financial and Managerial Accounting
- » Business Law
- » Calculus

Deficiencies can be completed through Ivy Software and Responsive.net. The Ryan College of Business Graduate Programs Office works with students to determine if background deficiency courses will be necessary.

### **READY TO APPLY? NEED TO GET ADVISED?**

CONTACT A STAFF MEMBER IN THE GRADUATE PROGRAM'S OFFICE  
AT [MBACOB@UNT.EDU](mailto:MBACOB@UNT.EDU) OR CALL 940-369-8977

# MBA BUSINESS ANALYTICS (STEM)

COURSE NUMBER	COURSE NAME	PROPOSED SCHEDULE OF COURSE OFFERINGS		
		FALL	SPRING	SUMMER

## MBA CORE COURSES (18 HOURS)

ACCT	5130	<b>ACCOUNTING FOR MANAGEMENT</b> <i>(Prerequisites: Financial &amp; Managerial Acct, Economics, Calculus)</i>	16W (FRISCO) 8W2 (ONLINE)	16W (DENTON) 8W1 (ONLINE)	5W2 (ONLINE)
DSCI	5180	<b>INTRODUCTION TO THE BUSINESS DECISION PROCESS</b>	8W1 (ONLINE) 16W (DENTON)	16W (FRISCO) 8W1 (ONLINE)	5W1 (ONLINE)
FINA	5170	<b>FINANCIAL MANAGEMENT</b> <i>(Prerequisites: Financial &amp; Managerial Acct)</i>	16W (DENTON) 16W (ONLINE) 8W1 (ONLINE)	16W (DENTON) 16W (FRISCO)	5W1 (ONLINE)
MGMT	5140	<b>ORGANIZATIONAL BEHAVIOR AND ANALYSIS</b>	16W (FRISCO) 8W1 (ONLINE) 8W2 (ONLINE)	3W(WINTER) 16W (FRISCO) 8W1 (ONLINE) 8W2 (ONLINE)	3W1 (ONLINE) 5W1 (ONLINE)
MKTG	5150	<b>MARKETING MANAGEMENT</b> <i>(Prerequisites: Financial &amp; Managerial Acct)</i>	16W (DENTON) 16W (FRISCO) 8W1 (ONLINE)	8W1 (ONLINE) 8W2 (ONLINE)	10W (ONLINE)
BUSI	5190	<b>ADMINISTRATIVE STRATEGY</b> <i>This course is taken in your last term. Request enrollment: <a href="https://cob.unt.edu/masters/request-busi-5190-enrollment">https://cob.unt.edu/masters/request-busi-5190-enrollment</a></i>	8W1 (ONLINE)	8W1 (ONLINE) 3W(WINTER)	3W1 (ONLINE)

## REQUIRED COURSES (12 HOURS)

DSCI	5210	<b>MODEL-BASED BUSINESS INTELLIGENCE</b>	16W (ONLINE)	16W (DENTON)	
DSCI	5240	<b>DATA MINING</b>	16W (DENTON) 16W (FRISCO) 16W (ONLINE)	16W (DENTON)	
DSCI	5260	<b>BUSINESS PROCESS ANALYTICS</b>	16W (DENTON) 16W (FRISCO)	16W (DENTON) 16W (FRISCO) 16W (ONLINE)	5W1 (DENTON) 5W2 (ONLINE)
DSCI	5330	<b>ENTERPRISE APPLICATIONS OF BUSINESS INTELLIGENCE</b>	16W (DENTON) 16W (FRISCO)	16W (ONLINE)	5W2 (ONLINE)

## SUPPORTING COURSES (6 HOURS SELECTED FROM)

DSCI	5250	<b>STATISTICAL TECHNIQUES IN SIMULATION</b>	16W (DENTON)		
DSCI	5350	<b>BIG DATA ANALYTICS</b>		16W (DENTON)	5W2 (DENTON) 5W2(FRISCO)
DSCI	5360	<b>VISUALIZATION ANALYTICS</b>		16W (ONLINE)	3W1 (DENTON) 3W1 & 5W1 (FRISCO) 5W1 (ONLINE)
DSCI	5340	<b>PREDICTIVE ANALYTICS AND BUSINESS FORECASTING</b>		16W (DENTON) 16W (FRISCO)	5W1 (DENTON) 5W2(FRISCO)