G. Brint Ryan College of Business
MS Business Analytics (2019-2020)

The Master of Science with a major in Business Analytics is designed to provide an appropriate base of knowledge for entry into the business intelligence or business analytics fields. This STEM approved program is intended for those students who desire a strong, specialist degree in business analytics that incorporates a solid understanding of both the application and use of business analytics and technology that underlies and facilitates those applications.

CAREER POSSIBILITIES

Data Scientist | Business Intelligence Architect | Business Analyst | Business Process Analyst | Data Warehousing Architect | BI Competency Center (BICC) Professional | Data/Information Architect | Business Intelligence Developer | Predictive Modeler | Predictive Analytics Architect | Data Mining Analyst | Data Analyst | Social Media Analyst | Social Media Analyst | Customer Analytics Modeler | BI Architecture Developer

PROFESSIONAL ORGANIZATIONS

Students majoring in Business Analytics have numerous opportunities to participate in student organizations. Among these are: Association for Information Systems (AIS) and INFORMS (cob.unt.edu/itds).

COURSE REQUIREMENTS

FOUNDATION COURSES (15 HOURS)

DSCI 5210 (3 hrs) Model Based Business Intelligence

DSCI 5240 (3 hrs) Data Mining

DSCI 5340 (3 hrs) Predictive Analytics and Business Forecasting

BCIS 5420 (3 hrs) Foundations of Database Management

Students must choose from 1 of the following 2 courses:

BCIS 5700 (3 hrs) Strategic Use of Information Technology

(must be taken in final semester or final 12 hours)

DSCI 5260 (3 hrs) Business Process Analytics

ELECTIVE COURSES (15– 21 HOURS)

DSCI 5320 (3 hrs) Quality Control

DSCI 5330 (3 hrs) Enterprise Applications of Business Intelligence

DSCI 5350 (3 hrs) Big Data Analytics

DSCI 5360 (3 hrs) Data Visualization Analytics

DSCI 5250 (3 hrs) Statistical Techniques in Simulations

BCIS 5120 (3 hrs) Information Systems Development

BCIS 5140 (3 hrs) Artificial Intelligence in Business

BCIS 5740 (3 hrs) Information Security Management

Up to 6 hours may be taken outside the department with prior consent

DSCI 5180 may not be taken for credit in this program

QUESTIONS OR READY TO APPLY?

Contact a staff member in the College of Business Graduate Program's Office. MBACOB@unt.edu / 940-369-8977

BACKGROUND COURSES/CONTENT

The G. Brint Ryan College of Business Graduate Programs Office works with students to determine if background deficiency courses will be necessary. Background content might include Statistics and Calculus. Deficiencies can be completed via traditional academic coursework or through Ivy Software and Responsive.net. Ivy Software and Re-sponsive.net deliver self-paced online learning modules that provide the needed background content without the need to formally enroll in courses at UNT. For more information go to *ryan.unt.edu/background*.

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Course Number		Course Name	Proposed Schedule of Course Offerings		
			Fall	**Spring**	**Summer**
		FOUNDATION COURSES (15 hours)			
DSCI	5210	Model Based Business Intelligence		16W (UNT) 16W (Frisco)	
DSCI	5240	Data Mining	16W (UNT) 16W (Frisco)	16W (UNT)	
DSCI	5340	Predictive Analytics and Business Forecasting		16W (UNT) 16W (Frisco)	
BCIS	5420	Foundations of Database Management	16W (UNT) 16W (Frisco)	16W (UNT)	
		Must choose from 1 of the following 2 courses:			
BCIS	5700	Strategic Use of Information Technology (**This is taken in your last term**)	16W (UNT)	16W (UNT)	
DSCI	5260	Business Process Analytics	16W (UNT) 16W (Frisco)	16W (UNT) 16W (Frisco)	
		ELECTIVE COURSES (15-21 hours select from)			
DSCI	5320	Quality Control		16W (UNT) 16W (Frisco)	
DSCI	5330	Enterprise Applications of Business Intelligence	16W (UNT) 16W (Frisco)		
DSCI	5350	Big Data Analytics		16W (UNT) 16W (Frisco)	3W1 (UNT) 3W1 (Frisco)
DSCI	5360	Data Visualization for Analytics		16W (UNT) 16W (Frisco)	3W1 (UNT) 3W1 (Frisco)
DSCI	5250	Statistical Techniques in Simulation	16W (UNT) 16W (Frisco)		
BCIS	5120	Information Systems Development	16W (UNT)		
BCIS	5140	Artificial Intelligence in Business	16W (UNT)		
BCIS	5740	Information Security Management	16W (UNT)		

*Up to 6 hours may be taken outside the department with prior department consent.

DSCI 5180 may not be taken for credit in this program.