

UNT College of Business

MS Business Analytics

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 (see the ITDS department for more information).

COURSE REQUIREMENTS

FOUNDATION COURSES (21 HOURS)

DSCI 5240 (3 hrs) Data Mining

DSCI 5330 (3 hrs) Enterprise Appl. of Business Intelligence

DSCI 5350 (3 hrs) Big Data Analytics

BCIS 5120 (3 hrs) Information Systems Development

BCIS 5420 (3 hrs) Foundations of Database Management

DSCI 5320 (3 hrs) Quality Control

OR

DSCI 5210 (3 hrs) Model Based Decision Making

BCIS 5700 (3 hrs) Strategic Use of Information Technology*

OR

BUSI 5190 (3 hrs) Administrative Strategy*

*Either course must be taken in final semester or final 12 hours

ELECTIVE COURSES (15 HOURS)

Students select 5 additional elective courses, at least 3 of which must be taken from the ITDS Department. Any BCIS or DSCI course which is not already listed as a required course may be accepted as an elective. Students must take at least one of the following for three hours of their electives:

DSCI 5340 (3 hrs) Predictive Analytics and Business Forecasting

DSCI 5360 (3 hrs) Data Visualization Analytics

Up to six hours of elective courses may be taken outside of the ITDS Department, so long as they are related to the program of study and approved by the ITDS Department. Students must obtain approval from the ITDS Department for all electives



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 College of Business Graduate Programs Office works with students to determine if background deficiency courses will be necessary. Background content might include Financial and Managerial Accounting, Business Information Systems, Statistics, Business Law, Finance, Marketing, Micro and Macro Economics, Operations Management and Calculus. Deficiencies can be completed via traditional academic coursework or through Ivy Software and Responsive.net. Ivy Software and Responsive.net deliver self-paced online learning modules that provide the needed background content without the need to formally enrolling in courses at UNT. For more information go to cob.unt.edu/background.

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Course Number		Course Name	Proposed Schedule of Course Offerings		
			Fall	Spring	Summer
FOUNDATION COURSES (21 hours)					
DSCI	5240	Data Mining	16W (UNT) 16W (Frisco)	16W (UNT)	
DSCI	5330	Enterprise Applications of Business Intelligence	16W (UNT)		
DSCI	5350	Big Data Analysis		16W (UNT)	
BCIS	5120	Information Systems Development	16W (UNT)	16W (UNT)	
BCIS	5420	Foundations of Database Management		16W(UNT)	
DSCI	5320	Quality Control	16W (UNT)		
DSCI	5210	Model Based Decision Making		16W (UNT)	
BCIS	5700	Strategic Use of Information Technology	16W (UNT)	16W (UNT)	5W1 (UNT)
BUSI	5190	Administrative Strategy Request enrollment: https://cob.unt.edu/masters/request-busi-5190-enrollment	8W1 (Online)	16W (UNT) 8W1 (Online)	5W2 (Online)
ELECTIVE COURSES (15 hours)					
<i>Must take at least one of the following for three hours of electives:</i>					
DSCI	5340	Predictive Analytics and Business Forecasting		16W (UNT)	
DSCI	5360	Data Visualization Analytics	16W (UNT)	16W (Frisco)	
Any BCIS or DSCI course which is not already listed as a required course may be accepted as an elective.					

*All attempts will be made to offer courses as per the schedule presented above. However, resources constraints and other contingencies may require minor adjustments in course offerings. This is provided to serve as a guide and is subject to change. Please use UNT's Searchable Database (available at <http://registrar.unt.edu/registration>) for information and other offerings of these courses.