

UNT College of Business

MS in 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. The 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

BACKGROUND COURSES (18 HOURS)

*NOTE: Background courses may be required if your undergraduate degree did not prepare you for current master level courses. Background courses are assessed on an as needed basis after evaluation of undergraduate transcripts.

ACCT 5020 (3 hrs.) Accumulation and Analysis of Acct.
BCIS 5090 (1.5 hrs.) Intro. to Busi. Computer Info. Systems
BLAW 5050 (1.5 hrs.) Legal, Reg. and Ethical Env. of Business
DSCI 5010 (1.5 hrs.) Statistical Analysis
ECON 5000 (3 hrs.) Economic Concepts
FINA 5040 (1.5 hrs.) Intro. to Finance and Financial Math
MATH 1190 (3 hrs.) Business Calculus (or other calc. course)
MGMT 5070 (1.5 hrs.) Management Issues
MKTG 5000 (1.5 hrs.) Marketing Concepts

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. 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.

COLLEGE OF
BUSINESS

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Business Leadership Starts Here.

940-369-8977 | MBAcob@unt.edu
www.cob.unt.edu/programs/masters

MS in Business Analytics

Proposed Schedule of Course Offerings*

Course Number		Course Name	Proposed Schedule of Course Offerings		
			Fall	Spring	Summer
BACKGROUND COURSES					
ACCT	5020	Accumulation and Analysis of Accounting Data	XXX**	XXX**	XXX**
BCIS	5090	Introduction to Business Computer Information Systems	XXX**	XXX**	
BLAW	5050	Legal, Regulatory, and Ethical environment of Business	XXX**	XXX	XXX**
DSCI	5010	Statistical Analysis	XXX**	XXX**	
ECON	5000	Economic Concepts	XXX**	XXX**	XXX**
FINA	5040	Introduction to Finance and Financial Mathematics	XXX**	XXX**	
MATH	1190	Business Calculus	XXX**	XXX**	XXX
MKTG	5000	Marketing Concepts	XXX**	XXX**	XXX**
MGMT	5070	Management Issues	XXX**		
FOUNDATION COURSES (21 HOURS)					
Foundation Courses (21 hours)					
DSCI	5240	Data Mining	XXX		
DSCI	5330	Enterprise Applications of Business Intelligence	XXX		
DSCI	5350	Big Data Analysis		XXX	
BCIS	5120	Information Systems Development	XXX	XXX	
BCIS	5420	Foundations of Database Management		XXX	
DSCI	5320	Quality Control	XXX		
OR					
DSCI	5210	Model Based Decision Making		XXX	
BCIS	5700	Strategic Use of Information Technology	XXX	XXX	XXX
OR					
BUSI	5190	Administrative Strategy	XXX**	XXX**	XXX**

*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 our Searchable Database (available at <http://www.cob.unt.edu/programs/courses>) for information and other offerings of these courses.

**Online classes available.