BUSINESS ANALYTICS CONCENTRATION (MBA/MSIS)

Concentration in Business Analytics

The Graduate Concentration in Business Analytics provides graduate students within the Hankamer School of Business exposure to concepts and techniques critical to success in the area of business analytics. The purpose of the Graduate Concentration in Business Analytics will enable graduate students to gain the skills necessary to understand and interpret big data and business analytics.

Admission to the Business Analytics Concentration is contingent on admission into the Master of Business Administration and the Master of Science in Information Systems degrees. Additional admissions requirements can be found under the Business School Admissions.

The Degree requirements are as follows:

Code	Title	Hours
Required Framework Courses		
BUS 5401	Business Frameworks	4
Required Core Courses		
ACC 5300	Accounting Tools for Management Decision Making	3
BUS 5101	Focus Firm I	1
BUS 5111	Professional Career Development for First Semester Graduate Students	1
BUS 5112	Professional Career Development for Second Semester Graduate Students	1
BUS 5390	Management Communication	3
ECO 5340	Economic Tools for Management Decision Making	3
FIN 5360	Seminar in Corporate Finance	3
MGT 5310	Management of Organizational Behavior	3
MGT 5320	Manufacturing and Service Operations	3
MGT 5325	Leadership in the Global Marketplace	3
MGT 5385	Strategic Management and Business Policy	3
MKT 5310	Seminar in Marketing Strategy	3
QBA 5330	Business Analytics for Decision Making	3
Business Analytics Courses		
MIS 5342	Business Intelligence	3
MIS 5340	Database Management Systems	3
MIS 5343	Seminar in Data Visualization	3
Select two courses from the following:		6
ECO 5347	Econometric Theory and Methods	
ECO 5349	Causal Inference and Research Design	
ECO 5351	Data Science I	
ECO 5352	Data Science II	
MIS 5322	Advanced Python for Analytics	
MIS 5346	Data Warehousing	
MKT 5398	Directed Studies in Marketing	
Required MSIS Courses (Non-thesis)		
MIS 5355	Management of Information Systems	3

All MSIS students must demonstrate copetency in four core content areas; programming, systems analysis and design, database, and information security. This competency may be shown by previous course work (for those with an undergraduate degree in information systems or computer science) or by completion of specific courses as part of their MSIS program.   15

MIS 5301	Seminar in Object-Oriented Business Programming	
MIS 5315	NET Systems Development	
MIS 5317	Seminar in Java Development	
MIS 5322	Advanced Python for Analytics	
MIS 5335	Information Systems Analysis and Design	
MIS 5340	Database Management Systems	
ISEC 5305	Seminar in Information Security Foundations	

Other MBA Requirements

1-hour internship required for students without 2 years of full-time work experience	1
Students with more than 2 years can choose to take an elective.	
Students who do not have an undergraduate degree in Business Administration will be required to take the following:	
BL 5104 Business Foundations - Business Law	(1)
Total Hours	**71**