

Comprehensive Data Analytics Major Bachelor of Science Fall 2025 6/02/2025				
	Cr Hrs	Cr Rec	Cr Bal	Prerequisites/ Periodicity
General Education Requirements	45-49			
College of Business Core Requirements	36-48			
Data Analytics				
QBA 337- Applied Business Statistics	3			QBA 237 ¹
ITC 260- Programing Logic and Designfor Business	3			MTH 134 or higher ¹
ITC 295- Database Management Systems Concepts and Design	3			MTH 134 or higher ¹
ITC 353 - Data Mining	3			QBA 237/ demand ¹
ITC 495 - Advanced Database Management and Integration	3			ITC 295/ Demand ¹
ITC 535 - Machine Learning	3			Must be admitted to degree program/ demand
ITC 545 - Data Infrastructure for Data Analytics	3			ITC 295 and QBA 237 ¹
ITC 555- Data Visualization	3			QBA 237 ¹
Complete 6 hours from (a) or 3 hours from (a) and 3 hours from (b)				
(a)				
ITC 388- Information Systems Analysis and Design	3			ITC 235 or ITC 260 or ITC 295 or concurrent enrollment ¹
ITC 397- Topics in Info Tech and Cyber	3			Permission ¹
ITC 494 - Internship in Info Tech and Cyber	3			Permission ¹
ITC 528 - Database Application Development with Oracle	3			ITC 260 and ITC 295 ¹
ITC 580 - Fundamentals of Blockchain Tech	3			ITC 260 and QBA 237/ demand ¹
ITC 581- Data Analytics for Business Decision Making	3			Must be admitted to degree program/ demand
(b)				
BUS 550- Negotiation, Mediation, and Arbitration in Business	3			60 hours/Demand ¹
FIN 390- Intermediate Financial Management	3			B- or better in FIN 380 ¹
MGT 397- Business Report Writing	3			MGT 286 ¹
MKT 365- Introduction to Logistics	3			MKT 350 ¹
RMI 211- Principles of Risk Management and Insurance	3			15 hours
TCM 337- Quality Control and Measurement	3			MTH 345 or QBA 237/ Fall
TCM 551- Project Schedule and Cost Management	3			80 hours and TCM 359

¹Undergraduate business and undecided majors much be admitted to degree program.

Note: A minimum of 12 credit hours not counted as requirements on any other major or minor, and exclusive of problems or readings is required for any COB major.

Cr Rec - Credit hours received for courses completed. Cr Bal - Credit balance needed to fulfill requirements. Electives, as needed to bring total credit hours to a minimum of 120 and upper division hours (300+) to 40.

For advisement only. Consult appropriate catalog for degree requirements.