

DATA ANALYTICS GRADUATE MAJOR (MS)

Available only via Ecampus.

Major Code: 6160

Code	Title	Credits
Prerequisites		
ST 351	INTRODUCTION TO STATISTICAL METHODS	4
Mathematics to the level of calculus is recommended but not required		
Statistics Core		
ST 516	FOUNDATIONS OF DATA ANALYTICS	4
ST 517	DATA ANALYTICS I	4
ST 518	DATA ANALYTICS II	4
ST 558	MULTIVARIATE ANALYTICS	3
ST 566	TIME SERIES ANALYTICS	3
ST 595	CAPSTONE PROJECT	3
Computer Science Core		
CS 511	PROGRAMMING AND DATA STRUCTURES	4
CS 512	DATA SCIENCE TOOLS AND PROGRAMMING	4
CS 513	(Applied Machine Learning [pending approval])	4
Electives in Statistics		
Select 12 credits of the following:		12
ST 515	DESIGN AND ANALYSIS OF PLANNED EXPERIMENTS	
ST 525	APPLIED SURVIVAL ANALYSIS	
ST 537	DATA VISUALIZATION	
ST 538	MODERN STATISTICAL METHODS FOR LARGE AND COMPLEX DATA SETS	
ST 539	SURVEY METHODS	
ST 591	INTRODUCTION TO QUANTITATIVE GENOMICS	
ST 592	STATISTICAL METHODS FOR GENOMICS RESEARCH	
Total Credits		45

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