



**Sample Degree Plan
Master of Science
Computer Science and Quantitative Methods
Data Mining and Analytics**

		Fall Semester		Spring Semester		Summer Semester	
First Year	Course Information	Credit Hrs	Course Information	Credit Hrs	Course Information	Credit Hrs	
	STAT 5050 – Probabilistic & Statistical Reasoning	3	CSCI 5010 – Database Management Concepts*	3	CSCI 5020 – Data MGT Applications***	3	
	LDSP 5100 – Leadership for the Scientist-Manager	3	CSCI 5015 – Data Science Python**	3			
	CSCI 5005 – Introduction to Web Programming		COMM 5110 – Leadership and Communication	3			
	TOTAL SCH	9	TOTAL SCH	9	TOTALSCH	3	

		Fall Semester		Spring Semester		Summer Semester	
Second Year	CSCI 5080 – Data Mining Applications****	3	CSCI 5095 – Data Mining Projects	3			
	CSCI 5060 – Database-Driven Web Development ****	3	CSCI 5910 – Master’s Systems Development Project	3			
	CSCI 5040 – Big Data Modeling and Management	3					
	TOTAL SCH	9	TOTAL SCH	6	TOTAL SCH		

*CSCI 5010 is a prerequisite for CSCI 5020 and CSCI 5080

**CSCI 5015 is a prerequisite for CSCI 5040

***CSCI 5020 is a prerequisite for CSCI 5060

****CSCI 5060 and CSCI 5080 are prerequisites for CSCI 5095