



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

						Summer Semester	
	Course Information	Credit Hrs		Course Information	Credit Hrs	Course Information	Credit Hrs
						CSCI 5005: Intro to Web Programming (May be waived)	3
						MATH 5170 – Finite Math*	3
						TOTAL SCH	6

		Fall Semester		Spring Semester		Summer Semester	
	Course Information	Credit Hrs		Course Information	Credit Hrs	Course Information	Credit Hrs
First Year	STAT 5050 – Probabilistic & Statistical Reasoning**	3		STAT 5120 – Regression Analysis***	3	STAT 5200 – SAS Programming	3
	CSCI 5010 – Database Management Concepts	3		CSCI 5010 – Database Management Concepts	3	LDSP 5100: Leadership for the Scientist Manager	3
	TOTAL SCH	6		TOTAL SCH	6	TOTAL SCH	6

		Fall Semester		Spring Semester			
Second Year	STAT 5140 - Time Series Analysis	3		STAT 5290 – Predictive Analytics	3	STAT 5910 – Capstone Project or STAT 5900 - Internship	3
	CSCI 5080 – Data Mining Applications	3		STAT 5125 – The Generalized Linear Model	3		
	TOTAL SCH	6		TOTAL SCH	6	TOTAL SCH	3

*MATH 5170 covers basic calculus, matrix algebra, and probability required for the program. This course is often waived.

**STAT 5050 is a prerequisite for STAT 5120

***STAT 5120 is a prerequisite for STAT 5125, STAT 5290, and STAT 5140

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