

Data Science Major			Name:			
Freshman	MA131 Calculus I	3		MA132 Calculus II	3	
	CS 141 CS I	4		CS142 CS II	3	
	Science Course with Lab	4		Science Course with Lab	4	
	UNIV190 Clarkson Seminar	3		MA200 Math Modeling & Soft	3	
	FY100 First-Year Seminar	1		KA	3	
Sophomor	MA211 Discrete Math & Proof	3		MA231 Calculus III	3	
	STAT383 Prob. & Stat.	3		MA339 Applied Linear Alg	3	
	DS241 Intro to Data Science	3		CS344 Alg. & Data Struct.	3	
	IS314 Databse Design & Mgt.	3		IS415 Data Warehousing	3	
	KA	3		KA	3	
Junior	CS449 Compuational Learning	3		STAT382 or STAT384*	3	
	STAT381 Probability	3		DS392 Ethics of Data Analytics	3	
	IS426 Big Data Architecture	3		KA/University Course	3	
	KA/University Course	3		Free Elective	3	
	Free Elective	3		Free Elective	3	
Senior	STAT385 Bayesian Data Anal.	3		STAT382 or STAT384*	3	
	Application Elective**	3		Application Elective**	3	
	Free Elective	3		STAT488 Stat. Project	2	
	Free Elective	3		Free Elective	3	
	Free Elective	3		Free Elective	3	
	MA499 Professional Exp	0				
Total Credit		60			60	120

\* STAT382 and STAT384 are offered in alternate springs. Bothe are required-each year take the one which is offered.

\*\* Two application electives from attached list.