REQUIREMENTS FOR A 4-YEAR BA/BSc IN STATISTICS (DATA SCIENCE STREAM)

Required Courses: Core Courses	**STAT-1301(3)**	Statistical Analysis I <u>OR</u>
	STAT-1401(3)	Statistics I for Business and Economics
	STAT-1501(3)	<u>OR</u> Elementary Biological Statistics I
	STAT-1302(3)	Statistical Analysis II <u>OR</u>
	STAT-2001(3)	Elementary Biological Statistics II
	STAT-2301(3)	Survey Sampling I
	STAT-2903(3)	Statistical Computing I
	STAT-3103(3)	Applied Regression Analysis
	STAT-3102(3)	Applied Multivariate Methods <u>OR</u>
	STAT-3104(3)	Analysis of Variance and Covariance <u>OR</u>
	STAT-3105(3)	Time Series and Forecasting
	STAT/MATH-2612(3)	Mathematical Statistics I
	STAT/MATH-3612(3)	Mathematical Statistics II
	STAT-4103(3)	Statistical Learning
	STAT-4202(3)	Statistical Inference
	MATH-1101(6)	Introduction to Calculus <u>OR</u> Introduction
	MATH-1103(3)	to Calculus I <u>AND</u> Introduction to
	MATH-1104(3)	Calculus II
	MATH-1201(3)	Linear Algebra I
	MATH-2105(3)	Intermediate Calculus I
	MATH-2106(3)	Intermediate Calculus II
	MATH-2203(3)	Linear Algebra II
	ACS-1903(3)	Programming Fundamentals I
	ACS-1904(3)	Programming Fundamentals II
	ACS-2814(3)	Application of Database Systems
	ACS-2947(3)	Data Structures and Algorithms Database
	ACS-3902(3)	Systems
	ACS-4953(3)	Introduction to Machine Learning
9 additional credit hours from:	**STAT-2102(3)**	Business and Management Statistics
	STAT-2103(3)	Intermediate Biological Statistics
	STAT-2104(3)	Nonparametric Statistics
	STAT/MATH-2413(3)	Introduction to Mathematical Finance
	STAT-2501(3)	Statistical Quality Control
	STAT-2702(3)	Statistics for Epidemiology
	STAT-3102(3)	Applied Multivariate Methods
	STAT-3104(3)	Analysis of Variance and Covariance Time
	STAT-3105(3)	Series and Forecasting
	STAT-3302(3)	Survey Sampling II
	STAT-3401(3)	Stochastic Processes
	STAT/MATH-3412(3)	Introduction to Operations Research
	STAT-3501(3)	Simulation
	STAT-3602(3)	Demography
	STAT-3904(3)	Statistical Computing II
	STAT-4102(3)	Survival and Reliability Analysis Statistical
	STAT-4202(3)	Inference
	STAT-4401(3)	Probability Theory
	STAT-4601(3)	Statistical Design of Experiments
	STAT-4501(3)	Spatial Statistics