

College of Health & Sciences

2022-2023 Mathematics - Data Science Degree Plan

FIRST YEAR - FRESHMAN

<u>Fall Semester</u>		<u>Spring Semester</u>	
UNIV	1001 * Freshman Seminar	ENG	1213 * Freshman Composition II
ENG	1113 * Freshman Composition I		---3 * Humanities-Western Civilization**
PS	1113 * United States Government	MATH	1713 Trigonometry
MATH	1513 * College Algebra	MATH	1223 Introduction to Probability & Statistics
KIN	2122 * Wellness Or Basic Nutrition HHFS 1513	CMPSC	1133 Computer Programming II
CMPSC	1113 * Computer Programming I		

15 or 16 TOTAL HOURS

15 TOTAL HOURS

SECOND YEAR - SOPHOMORE

<u>Fall Semester</u>		<u>Spring Semester</u>	
CPSMA	2923 Data Structures and Algorithm Analysis	CPSMA	3913 Discrete Mathematics
MATH	2825 Calculus & Analytic Geometry I	MATH	3025 Calculus & Analytic Geometry II
HIST	24-3 * United States History Survey**		Choose one ---3
	---3 * Humanities-Cultural/Human Diversity**		CMPSC 3313 Advanced Computer Language
	-3 Electives*** (3 hours)		CMPSC 4213 Data Base Design
			1-14 * Life Science**

17 TOTAL HOURS

15 TOTAL HOURS

THIRD YEAR - JUNIOR

<u>Fall Semester</u>		<u>Spring Semester</u>	
MATH	3033 Calculus & Analytic Geometry III		Choose one ---3
	Choose one ---3		MATH 3513 Mathematical Statistics
			MATH 3583 Applied Statistics
			CPSMA 4513 Data Applications in
	Electives*** (3 hours)		Business
COMM	1113 * Fundamentals of Human Comm OR		Choose one ---3
	COMM 2253 Comm in the Workplace		MATH 3713 Linear Algebra
	-4 * Physical Science		Choose one ---3
	-3 * Humanities-Social Science**		CMPSC 3313 Advanced Computer Language
			CMPSC 4213 Data Base Design
			Choose one ---3
			CPSMA 3813 Data Mining
			CPSMA 4313 Data Processing and Visualiz
			-3 Electives*** (3 hours)

16 TOTAL HOURS

15 TOTAL HOURS

FOURTH YEAR - SENIOR

<u>Fall Semester</u>		<u>Spring Semester</u>	
MATH	4923 Perspectives in Mathematics		Choose one ---3
	Choose one ---3		MATH 3513 Mathematical Statistics
			MATH 3583 Applied Statistics
			CPSMA 4513 Data Applications in
	Electives*** (3 hours)		Business
	-3 * Humanities**		Choose one ---3
	-3 Electives*** (3 hours)		MATH 3713 Linear Algebra
	-4 Electives*** (4 hours)		Choose one ---3
			CPSMA 3813 Data Mining
			CPSMA 4313 Data Processing and Visualiz
			---3 Upper Division Elective
			---3 Electives*** (3 hours)

16 TOTAL HOURS

15 TOTAL HOURS

TOTAL DEGREE PLAN HOURS 124

*General Education Requirement

**See current catalog "General Education Requirements" for selection

***No Minor required/Electives (10-16 hours)