

**SUGGESTED FOUR-YEAR PLAN for the
BACHELOR OF SCIENCE IN
DATA SCIENCE**

Freshman Year

<u>Fall</u>	<u>Credits</u>	<u>Spring</u>	<u>Credits</u>
COMP 141 Computer Programming I.....	3	COMP 220 Computer Programming II.....	3
COMP 155 Introduction to Computer Science.....	3	MATH 162 Calculus II.....	4
MATH 161 Calculus I.....	4	Natural Science with Lab.....	4
Natural Science with Lab.....	4	WRIT 101 Foundations of Academic Discourse.....	3
HUMA 102 Civ and the Biblical Revelation.....	<u>3</u>	PHYE 101 Healthful Living.....	<u>1</u>
	17		15

Sophomore Year

<u>Fall</u>	<u>Credits</u>	<u>Spring</u>	<u>Credits</u>
COMP 244 Database Management.....	3	DSCI 201 Introduction to Data Science.....	3
MATH 213 Discrete Mathematics for Comp. Science.....	4	MATH 214 Applied Probability & Linear Algebra.....	4
STAT 131 Statistical Methods I.....	3	STAT 132 Statistical Methods II.....	3
Domain Emphasis Course.....	3	Domain Emphasis Course.....	3
Foundations of Social Science Course.....	3	HUMA 200 Western Civilization.....	<u>3</u>
General Electives.....	<u>1</u>		16
	17		

Junior Year

<u>Fall</u>	<u>Credits</u>	<u>Spring</u>	<u>Credits</u>
COMP 222 Introduction to Data Structures & Algorithms.....	3	COMP 435 Machine Learning.....	3
Domain Emphasis Course.....	3	Domain Emphasis Course	3
HUMA 202 Civilization and Literature.....	3	HUMA 301 Civilization and the Arts.....	3
SSFT course.....	2	Technical Elective.....	3
General Electives.....	<u>6</u>	General Electives.....	<u>4</u>
	17		16

Senior Year

<u>Fall</u>	<u>Credits</u>	<u>Spring</u>	<u>Credits</u>
Domain Emphasis Course	3	DSCI 431 Intro to Big Data.....	3
HUMA 303 Christianity and Civilization.....	3	DSCI 450 Applied Modeling and Visualization.....	3
General Electives.....	<u>9</u>	General Electives.....	<u>9</u>
	15		15

*Note: Students must work with their advisor during their freshman year to create a plan for their domain emphasis.