Sample 4 Year Plan
Bachelor of Science
Mathematics
Data Science Concentration

		Fall Semester			Spring Semester	
First Year		**Course Information**	**Credit Hrs**		**Course Information**	**Credit Hrs**
	AP	UNIV 1000 – University Success	1	AP	ENGL 1020 – English Composition II	3
	AP	ENGL 1010 – English Composition I	3		Elective	3
	AP	Social and Behavioral Science Core	3	AP	Natural Science Core w/lab	4
	AP	MATH 1910 – Calculus & Analytic Geometry	4		MATH 1920 – Calculus & Analytic Geometry II	4
	AP	Natural Science Core w/lab	4			
		TOTAL SCH	**15**		**TOTAL SCH**	**15**
Second Year		MATH 3010 – Intro to Math Reasoning	3		MATH 3450 – Linear Algebra	3
		MATH 2110 – Calculus	4		MATH 4321 – Intro to Symbolic Computation	3
		Elective	3		Elective	3
	AP	ENGL 2330 – Topics in World Literature	3		Elective	3
	AP	COMM 2045 – Public Speaking	3	AP	Humanities and Fine Arts Core	3
		TOTAL SCH	**16**		**TOTAL SCH**	**15**
Third Year		Minor Course or Elective	3		Minor Course or Elective	3
		MATH/STAT 4240 – Probability	3		MATH/STAT Elective	3
		STAT 4170 – Data Visual and Exploration	3	AP	Humanities and Fine Arts Core	3
		Minor Course or Elective	3		Minor Course or Elective	3
	AP	History Core	3	AP	History Core	3
		TOTAL SCH	**15**		**TOTALSCH**	**15**
Fourth Year		MATH 4310 – Machine Learning	3		MATH 4810 – Senior Seminar	1
		MATH 4450 – Mathematical Models	3		Minor Course or Elective	3
	AP	Social and Behavioral Sciences Cores	3		MATH 4320 – Advanced Machine Learning	4
		Minor Course or Elective	3		Minor Course or Elective	4
		MATH/STAT Elective	3		MATH/STAT Elective	3
		TOTAL SCH	**15**		**TOTAL SCH**	**15**

*AP designates General Education Core Course to be completed for your degree.
**Bachelor degrees require the completion of 33 upper division (3000 – 4999) credit hours.