

B.S. Math Data Science Concentration Eight Semester Plan
(Revised October 2020)

Freshman Year			
Fall		Spring	
	16		17
MATH 153 (Calculus I)	4	MATH 255 (Calculus II)	4
CS 150 (Problem Solving and Programming I)	3	CS 151 (Problem Solving and Programming II)	4
First Year Seminar (consider CS 191 or MATH 19x)	3	COMM 201 (Foundations of Communication)	3
LS Elective	3	ENGL 101 (Writing and Rhetoric)	3
LS Elective	3	LS Elective	3
Sophomore Year			
Fall		Spring	
	16		15
MATH 250 (Introduction to Logic and Proof)	3	MATH 310 (Discrete Structures)	3
MATH 256 (Calculus III)	4	Data Science Elective	3
MATH 270 (Statistical Methods I)	3	ENGL 202 (Writing and Critical Inquiry)	3
LS Elective	3	LS Elective	3
LS Elective	3	LS Elective	3
Junior Year			
Fall		Spring	
	15		15
MATH 362 (Linear Algebra I)	3	MATH 472 (Data Science)/MATH 474 (Stat Modeling)	3
MATH 475 (Machine Learning)/Data Science Elective	3	Data Science Elective	3
LS Elective	3	General Electives	9
LS Elective	3		
General Elective	3		
Senior Year			
Fall		Spring	
	14		12
MATH 475 (Machine Learning)/Data Science Elective	3	MATH 472 (Data Science)/MATH 474 (Stat Modeling)	3
MATH 479 (Capstone)	2	Data Science Elective	3
General Electives	9	General Electives	6

LS Elective: Students must complete 42 hours of liberal studies courses. One of these courses should be taken at the 300- or 400-level to satisfy the upper level perspective requirement (ULP). The P1 courses must be in two different disciplines.