

**Major: MATHEMATICAL DATA SCIENCE MAJOR**

Student's Last Name

First Name

Middle Initial

Advisor

Date Major Declared

Course #	Title of Course	Hours Required	Semester Completed	Grade
<b>Required Courses</b>				
MAT 115	Fundamentals of Data Science	3		
MAT 124	Calculus I	5		
MAT 214	Calculus II	4		
MAT 215	Linear Algebra	3		
MAT 313	Mathematical Probability and Statistics	3		
MAT 321	Discrete Mathematics & Graph Theory	3		
MAT 340	Statistical Computing in RStudio	3		
MAT 411	Data Science Seminar	3		
<b>Mathematics elective (upper-level course)</b>				
MAT 3xx/4xx	Upper-Level Elective	3		
<b>Other Required Courses</b>				
CSA 104	Programming Logic and Design	3		
CSA 321	Python Programming	3		
CSA 327	Database Management Systems	3		
ECN 355 <b>OR</b> PSY 270 <b>OR</b> PSY 274 <b>OR</b> Bio 212	Research Methods for Business and Social Sciences Applications	3		
<b>One Upper-Level Elective</b>				
	An advisor approved upper-level course in Biology, Chemistry, Business, Physics, Psychology, Computer Systems Analysis, Environmental Science, or Economics which has a pre-req in the discipline.	3		
<b>TOTAL HOURS FOR MAJOR</b>		<b>45 hrs</b>		

If any substitutions or waivers of requirements are allowed, please list below and initial.

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Advisor Signature: \_\_\_\_\_ Department Chair Signature: \_\_\_\_\_