

# STATISTICS: DATA SCIENCE, BS

## Example Plan of Study

### Finish in Four Plan of Study

The plan below is an **example** of how students can successfully complete degree requirements in four years. This suggested class schedule plan may be used as a guide and can be adjusted based on individual needs. Students are required to meet with an academic advisor prior to enrollment each semester to plan their class schedule, and students are ultimately responsible for completing all degree requirements.

Course	Title	Hours
<b>Freshman</b>		
<b>Fall</b>		
First Year Seminar		1
MATH 2144	Calculus I (A)	4
MSIS 2103	Business Data Science Technologies	3
General Education and Elective courses (MSIS 2103 recommended)		7
<b>Hours</b>		<b>15</b>
<b>Spring</b>		
MATH 2153	Calculus II (A)	3
General Education courses		12
<b>Hours</b>		<b>15</b>
<b>Sophomore</b>		
<b>Fall</b>		
MATH 2163	Calculus III	3
STAT 4013	Statistical Methods I (A)	3
MSIS 3103	End User Database Systems Design and Management	3
General Education courses		6
<b>Hours</b>		<b>15</b>
<b>Spring</b>		
MATH 3013	Linear Algebra (A)	3
STAT 4023	Statistical Methods II	3
CS 1113 or CS 1103	Computer Science I (A) or Computer Programming (A)	3
College and Elective courses		6
<b>Hours</b>		<b>15</b>
<b>Junior</b>		
<b>Fall</b>		
STAT 4193	SAS and R Programming	3
CS 2133 or MATH 2233	Computer Science II or Differential Equations	3
MSIS 3223	Principles of Data Analytics	3
Major, College, and Elective courses		6
<b>Hours</b>		<b>15</b>
<b>Spring</b>		
STAT 4043	Applied Regression Analysis	3
MSIS 3233	Management Science - Prescriptive Analytics	3
Major Elective		3
College and Elective courses		6
<b>Hours</b>		<b>15</b>
<b>Senior</b>		
<b>Fall</b>		
STAT 4203	Mathematical Statistics I	3
CS 3513 or CS 4513	Numerical Methods for Digital Computers or Introduction to Numerical Analysis	3
STAT 4981	Statistics Capstone I (if Grad School bound)	1
3 hours from Data Science courses		3

Major Elective	3	
College and Elective courses	2	
<b>Hours</b>		
<b>15</b>		
<b>Spring</b>		
STAT 4213	Mathematical Statistics II	3
STAT 4991	Statistics Capstone II (if Industry bound)	1
STAT 4463	Statistical Machine Learning with R	3
Elective courses		8
<b>Hours</b>		
<b>15</b>		
<b>Total Hours</b>		
<b>120</b>		