

# MATHEMATICS: 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>		
UNIV 1111	First Year Seminar	1
ENGL 1113	Composition I	3
MATH 2144	Calculus I (Q)	4
CS 1113	Computer Science I (Q)	3
General Education		4
<b>Hours</b>		<b>15</b>
<b>Spring</b>		
ENGL 1213	Composition II	3
MATH 2153	Calculus II (Q)	3
CS 2133	Computer Science II	3
General Education or Electives		6
<b>Hours</b>		<b>15</b>
<b>Sophomore</b>		
<b>Fall</b>		
MATH 2163	Calculus III	3
MATH 3013	Linear Algebra (Q)	3
PHYS 1114 or PHYS 2014	College Physics I (LN) or University Physics I (LN)	4
General Education, College, Major, or Electives		5
<b>Hours</b>		<b>15</b>
<b>Spring</b>		
PHYS 1214 or PHYS 2114	College Physics II (LN) or University Physics II (LN)	4
MATH 3013	Linear Algebra (Q)	3
MATH 2233	Differential Equations	3
General Education, College, Major, or Electives		5
<b>Hours</b>		<b>15</b>
<b>Junior</b>		
<b>Fall</b>		
MATH 3583	Introduction to Mathematical Modeling	3
MATH 3613	Introduction to Abstract Algebra	3
STAT 4203	Mathematical Statistics I	3
General Education, College, Major, or Electives		6
<b>Hours</b>		<b>15</b>
<b>Spring</b>		
MATH 4663	Combinatorics	3
General Education, College, Major, or Electives		12
<b>Hours</b>		<b>15</b>
<b>Senior</b>		
<b>Fall</b>		
CS 3353	Data Structures and Algorithm Analysis I	3
General Education, College, Major, or Electives		12
<b>Hours</b>		<b>15</b>

<b>Spring</b>		
CS 4433	Introduction to Database Systems	3
General Education, College, Major, or Electives		12
<b>Hours</b>		<b>15</b>
<b>Total Hours</b>		<b>120</b>