

## DEGREE PLANNING GUIDE: 2020-21

### B.S. in Data Analytics

First year (<28 credits)	Sophomore (28-59 credits)	Junior (60-91 credits)	Senior (92+ credits)
<b>Semester 1</b> MATH 113 (or MATH 108) Domain 1	<b>Semester 1</b> STAT 220 Domain 2	<b>Semester 1</b> STAT 320 / STAT 333 / ECON 315 ENGL 256	<b>Semester 1</b> STAT 400 Domain 4
<b>Semester 2</b> CISC 131 MATH 109 (if applicable)	<b>Semester 2</b> CISC 260 COMM 100	<b>Semester 2</b> STAT 360 Domain 3	<b>Semester 2</b> CISC 360 Domain 5 (if applicable)

#### Requirements for Degree

##### Program Core Courses

CISC 131 Introduction to Programming and Problem Solving  
 CISC 260 Data Fundamentals and Applications  
     *or* CISC 450 Database Design I  
 CISC 360 Data Visualization  
 STAT 220 Introduction to Statistics  
 STAT 320 Applied Regression Analysis  
     *or* STAT 333 Predictive Modeling  
     *or* ECON 315 Introduction to Econometrics  
 STAT 360 Computational Methods in Statistics  
 STAT 400 Data Mining and Machine Learning

##### Allied Requirement Courses

MATH 113 Calculus I  
     *or* MATH 108 *and* MATH 109 Calculus with Review  
 COMM 100 Public Speaking  
 ENGL 256 Introduction to Professional Writing

##### Domain Courses

A domain area provides students with a disciplinary context to articulate, comprehend, and analyze meaningful data analytic questions within the domain. To that end, each domain consists of 16 to 20 credits of coursework and requires a domain-centric applied data analysis project.

##### General Notes

- A grade of C- or higher is required for all Program Core Courses.
- The STAT 220 R lab sections are recommended for the Data Analytics major.
- This planning guide is for illustration purposes only. Due to the flexibility and complexity of the Data Analytics major, a student considering this major is strongly encouraged to consult with the Data Analytics Program Director to develop a course plan.