



**KENNESAW STATE
UNIVERSITY**

COLLEGE OF COMPUTING AND
SOFTWARE ENGINEERING
School of Data Science and Analytics

MSDSA PROGRAM ROADMAP

About the Program

The MSDSA program is a 36 semester-hour graduate program designed to help students gain the skills, knowledge, and experiences they need to be practicing data scientists and analytics professionals. Our students come from wide variety of academic and professional backgrounds, but by the time they graduate all are prepared for a career in data science and analytics.



FOR QUESTIONS:

Dr. Austin Brown
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Program Roadmap



FIRST SEMESTER

1. **STAT 7100: Statistical Methods**
2. **STAT 7020: Statistical Computing**
3. **ELECTIVE (Choose One)**

A STAT 7130: Programming in R **B** DS 7140: Python for Data Science

SECOND SEMESTER

1. **STAT 7210: Applied Regression Analysis**
2. **STAT 7220: Applied Experimental Design**
3. **ELECTIVE (Choose One)**

A STAT 7130: Programming in R **B** DS 7140: Python for Data Science

THIRD SEMESTER

1. **STAT 7010: Mathematical Statistics I**
2. **REQUIRED COURSE**
3. **PROJECT COURSE**

A Example, STAT 7235: Applied Longitudinal Data Analysis

A Example, DS 7900: Applied Analytics Project Course

FOURTH SEMESTER

1. **REQUIRED COURSE**
2. **PROJECT COURSE**
3. **ELECTIVE**

A Example, STAT 7240: Applied Data Mining

A Example, STAT 7940: Applied Analysis Project

A Example, STAT 7310: Applied Categorical Data Analysis

This roadmap gives the general sequence of courses MSDSA students are recommended to take. Depending on the number of credit hours you take per semester as well as course availability, your roadmap may look a little different than what is presented here. Be sure to communicate with the Program Director regarding your specific course roadmap.