# 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**
**abrow708@kennesaw.edu**

# Program Roadmap



## FIRST SEMESTER

1. **STAT 7100: Statistical Methods**
2. **DS 7020: Intro SAS Programming for Data Science**
3. **ELECTIVE (Choose One)**

   (A) DS 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) DS 7130: Programming in R    (B) DS 7140: Python for Data Science

## THIRD SEMESTER

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

   (A) Example, STAT 7235: Applied Longitudinal Data Analysis
3. **PROJECT COURSE**

   (A) Example, DS 7900: Applied Analytics Project Course

## FOURTH SEMESTER

1. **REQUIRED COURSE**

   (A) Example, DS 7240: Applied Data Mining
2. **PROJECT COURSE**

   (A) Example, DS 7940: Applied Analysis Project
3. **ELECTIVE**

   (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.