

Data Science in Business (Certificate)

To see more about what you will learn in this program, visit the Learning Outcomes website (<https://apps.oirp.ncsu.edu/pgas/>)!

Plan Requirements

Required Courses

Code	Title	Hours	Counts towards
Required DSC Courses: At least one course from each category			6

Data Communication

DSC 202 Introduction to Data Visualization

DSC 205 Data Communication

Ethics, Policy, & Privacy

DSC 225 Data Science for Social Good

Data Management & Analysis

DSC 201 Introduction to R/Python for Data Science (DSC 201 will not count for students who take ST 308 as a coreq for BUS 351.)

Machine Learning and AI

DSC 412 Exploring Machine Learning

Electives or Internships & Capstones

DSC 405 Data Wrangling and Web Scraping

See the published special topics list for courses accepted within a category

DSC 295 Introductory Special Topics in Data Science
 or DSC 495 Special Topics in Data Science
 or DSC 595 Graduate Special Topics in Data Science

Required Depth Courses: Two courses from the following **6**

BUS 351 Introduction to Business Analytics (Prerequisites: BUS 340 and [BUS 350, or ST 312, or ST 370, or ST 372]; Corequisite: ST 307 or ST 308)

BUS 458 Analytics: From Data to Decisions (Prerequisite: BUS 351)

NOTE 1: DSC 295, DSC 495, and DSC 595 courses must be individually approved for the certificate.

NOTE 2: Students pursuing multiple Data Science Academy credentials must have at least 2 distinct 1-credit DSC courses and 2 distinct 3-credit depth courses between any two credentials (8 distinct credits total).

NOTE 3: Per university requirements courses already used to satisfy two or more credit requirements cannot also be used to satisfy the data science certificate (or any third requirement).

Total Hours **12**