

Data Science in Business (Certificate)

The Undergraduate Certificate of Data Science in Business is a 12 credit interdisciplinary credential that offers a path towards developing essential skills in data science with depth in Business (BUS) content. Students who pursue this certificate will have the opportunity to learn from data science instructors & practitioners, and Business faculty in industry & academia, alongside their peers from various colleges. Students will pursue courses in data management, communication, applications, ethics, business, and more, in addition to choosing from electives of interest.

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		
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)

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

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**