Data Science in Business (Minor)

The Undergraduate Minor of Data Science in Business is a 15 credit interdisciplinary credential that offers a path towards developing essential skills in data science with depth in Business (BUS) content. Students who pursue this minor 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.

Contact

Data Science and AI Academy

datascienceacademy@ncsu.edu

Plan Requirements

Required Courses

Code	Title	Hours
Required DSA Courses: At least one course from each category		**6**
Categories and Corresponding Category Numbers (in parentheses)		
Data Management & Analysis (1)		
Data Communication (2)		
Ethics, Policy, & Privacy (3)		
Machine Learning and AI (4)		
Electives or Internships & Capstones (5)		
Course Options and Corresponding Category Notes		
DSA 201	Introduction to R/Python for Data Science (Introduction to R/Python for Data Science (DSA 201 will not count for students who take ST 308 as a coreq for BUS 351)) [1]	
DSA 202	Introduction to Data Visualization [2]	
DSA 205	Data Communication [2]	
DSA 220	Introduction to AI Ethics [3]	
DSA 225	Data Science for Social Good [3]	
DSA 235	Introduction to Data Science for Cybersecurity [3]	
DSA 240	Measuring Success [1]	
DSA 405	Data Wrangling and Web Scraping [5]	
DSA 412	Exploring Machine Learning [4]	
DSA 295	Introductory Special Topics in Data Science See semesterly list of special topics courses accepted within a category	
DSA 495	Special Topics in Data Science See semesterly list of special topics courses accepted within a category	
DSA 595	Graduate Special Topics in Data Science See semesterly list of special topics courses accepted within a category	
Courses not used for a category requirement may be applied to fulfill "Electives or Internships & Capstones (5)"		
Required Depth Courses		**9**
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)	
Choose 2 of the following:		
BUS 440	Database Management (Prerequisites: BUS 340 or ACC 340)	
BUS 458	Analytics: From Data to Decisions (Prerequisite: BUS 351)	
BUS 459	Business Analytics Practicum (Prerequisites: BUS 351 and BUS 458)	
NOTE: Students pursuing multiple Data Science and AI Academy credentials must have at least 2 distinct 1-credit DSA courses and 2 distinct 3-credit depth courses between any two credentials (8 distinct credits total).		
Total Hours		**15**