

# BACHELOR OF SCIENCE IN DATA SCIENCE

## Data Science Major Curriculum Requirements

### First-Year Gateway Experience

GFCL 100	Global Foundations of Character and Leadership
GFOB 100	Global Foundations of Organizations and Business
WRIT 106	Writing Workshop
IDEA 101	Bryant IDEA: Innovation and Design Experience For All

### Data Science Major Requirements

ISA 221	Introduction to Programming
ISA 330	Programming for Analytics
ISA 341	Database Management System Principles
ISA 343	Infrastructure and Cloud Computing
ISA 360	Data Warehousing in the Age of Big Data
ISA 460	Big Data Analytics
AA 205	Introduction to Applied Analytics
AA 304	Managing Information for Applied Analytics
AA 306	Data Mining for Effective Decision Making
AA 490	Applied Analytics Capstone

Two (ISA) Technology Electives (at least 1 must be at the 400 level)

### Liberal Arts Core Requirements

ECO 113	Microeconomic Principles
ECO 114	Macroeconomic Principles
LCS 121	Introduction to Literary Studies
One Humanities Historical Survey Course	

### Liberal Arts Distribution Requirements

One Historical Mode of Thought (Upper Level)	
One Literary Mode of Thought (Upper Level)	
COM 251	Written Communication
LGLS 211	The Legal Environment of Business

### Science Requirements

SCI 373 & SCI L373 or SCI 378	Artificial Intelligence and Robotics and Artificial Intelligence and Robotics Laboratory Computer Programming for the Sciences
One Scientific Mode of Thought (If SCI 378 is selected, a course and corresponding lab credit is required)	

### Mathematics Requirements

MATH 110	Mathematical Analysis
MATH 201	Statistics I
MATH 350	Statistics II
One Mathematic Elective (at the 200 or above level)	

### Business Administration Minor

ACG 203	Principles of Financial Accounting
ISA 201	Introduction to Information Technology and Analytics
FIN 201	Financial Management
MGT 200	Management Principles and Practice

MGT 201	Operations Management
MKT 201	Foundations of Marketing Management

**Two Non-Business Electives**

**Two Business Electives**

**One Open Elective**

122 credits required for graduation