Data Science and Analysis BS

General Education Requirements

Students must satisfy the university general education requirements. Many of the courses for the degree may be used to fulfill math proficiency, information literacy, social science, and math and life/natural sciences requirements. The program recommends students take ENGL 3130, Technical Writing or ENGL 3120, Business Writing, to satisfy the Junior-Level Writing requirement. Emphasis areas may require one of these courses. There is no foreign language requirement for the degree.

Satisfactory/Unsatisfactory Option

Courses required for the major may not be taken on a satisfactory/unsatisfactory basis.

Degree Requirements

The BS in Data Science and Analysis consists of a set of core courses along with an emphasis area.

Core Course

MATH 1800	Analytic Geometry and Calculus I 1	3-5	
or MATH 1100	Basic Calculus		
Statistics Course		3	
The Introduction to St Discipline Emphasis A	atistics course should align with the student's Area.		
Choose one of the foll	owing:		
SOC/ANTHRO 32	20 Quantitative Data Analysis in Social Science Research		
BIOL 4122	Biostatistics		
ECON 3100	Economic Data and Statistics		
CRIMIN 2220	Statistical Analysis in Criminology and		

Criminal Justice

Introduction to Data Mining	3	
Science		
Python for Scientific Computing and Data	3	
Introduction to Computing	3	
Exploratory Data Analysis with R	3	
l Courses		
Business Analytics and Statistics		
Political Analysis		
Psychological Statistics		
Introduction to Probability and Statistics		
	Psychological Statistics Political Analysis Business Analytics and Statistics I Courses Exploratory Data Analysis with R Introduction to Computing Python for Scientific Computing and Data	

¹ Students interested in the Computer Science emphasis area, the Mathematics Emphasis Area, or in taking additional mathematics courses should take MATH 1800.

If other departments are affected by this proposal, please secure "sign-offs" and indicate for each department the following:

Department	Contact Person	Phone #	Objections
Computer Science	Cezary Janikow		No
Sociology	Jim Craig		No
Biology	Wendy Olivas		No
Supply Chain Management	Haitao Li		No
Psychology	Michael Griffin		No
Mathematics	Erika Gibb		No
Economics	Michael Allison		No

Justification for request:

Making explicit the recommendation to take Technical or Business Writing for the Jr Level Writing requirement.