

Statistics and Data Science Minor

Interested students should discuss with their home college advisors how the courses in the minor will fit into their overall degree plan and are strongly encouraged to declare the minor early in their academic career.

- Open to business or non-business students.
- Become proficient in the ability to select, utilize, and apply quantitative and data analysis skills to your major field of study. Skilled users of data enhance their career opportunities.
- Completion of MATH 1022/STAT 1001 or calculus with a minimum grade of C- is a prerequisite for some courses in this minor.

• **One prerequisite course is required:**

Code	Title	Credit Hours
Select one of the following:		
STAT 2103	Statistical Business Analytics	4
or STAT 2903	Honors Statistical Business Analytics	
STAT 2104	Selected Topics in Statistical Business Analytics	1

- One of the following courses can be substituted for STAT 2103/STAT 2903 if required for the student's program:

Code	Title	Credit Hours
CEE 3048	Probability, Statistics & Stochastic Methods	3
PSY 1167		3
PSY 2168		3
SOC 1167	Social Statistics	3
SOC 3201	Statistical Methods in Sociology	4
MATH 3031	Probability Theory I	3
ECE 3522	Stochastic Processes in Signals and Systems	3
AS 2101	Actuarial Probability and Statistics II	3
ANTH 0825	Quantitative Methods in the Social Sciences	4
POLS 0825	Quantitative Methods in the Social Sciences	4
PSY 0825	Quantitative Methods in the Social Sciences	4
SOC 0825	Quantitative Methods in the Social Sciences	4

- A minimum grade of C is required for the prerequisite.

• **Five additional courses are required:**

Code	Title	Credit Hours
STAT 2521	Data Analysis and Statistical Computing	3
STAT 3503	Applied Statistics and Data Science	3
STAT 3505	Introduction to SAS for Data Analytics (Spring only)	3
Select two of the following:		6
STAT 2522	Survey Design and Sampling (Spring only)	
STAT 2523	Design of Experiments and Quality Control (Fall only)	
STAT 3502	Regression and Predictive Analytics (Fall only)	
STAT 3504	Time Series and Forecasting Models (Fall only)	

Total Credit Hours 15

- A grade point average of 2.0 in the minor is required as well as a minimum grade of C- in each course.
- Four of the six courses must be completed at Temple University.
- Courses cannot be used to meet minor requirements if already used to meet the requirements for a major or a different minor or certificate.
- Courses for the minor must be completed prior to graduation; if completed, the minor will be recorded on the final transcript upon graduation.
- To declare or rescind this minor, visit the Fox School of Business and Management.