



## Data Science (Graduate Certificate)

*The Data Science (Graduate Certificate) program requires a total of **15 credit hours** to graduate from the program, divided into **5 courses over 3 semesters**. This plan assumes a **Fall semester entry term**.*

### FALL - Semester 1

**A Term:**

- PDAT 610G: Introduction to Data Science (3 cr)\*

**B Term:**

- PDAT 611G: Big Data Management (3 cr)

### SPRING - Semester 2

**A Term:**

- PDAT 613G: Data Mining (3 cr)

**B Term:**

- PDAT 615G: Machine Learning (3 cr)

### SUMMER - Semester 3

**8-Week Session:**

- PDAT 620G: Data Science Capstone (3 cr)

### NOTES:

- "A Term" and "B Term" courses are 8-weeks. Full-semester courses are 16-weeks.
- (\*) - Prior to enrolling in the first data science course (PDAT 610G), students must have completed the equivalent to **CS 170** (Intro to Computer Science) and **STAT 190** (Basic Statistics).
- Students who have taken the equivalent to **STAT 220** (Fundamentals of Data Science), **STAT 250** (Statistical Computing), and other undergraduate courses in Data Science may be allowed to substitute another graduate course in the place of **PDAT 610G**.

**Graduate Program Director:** Please contact the Center for Academic Excellence ([advise@truman.edu](mailto:advise@truman.edu)) with any updates to the plan above. Updated 9-19-2024