

MS 100% Online Data Science

Earn an online, interdisciplinary degree, integrating methods and techniques from Statistics and Computer Science, while integrating ideas from Design, Communication, Marketing, Business, and more.

MASTER OF SCIENCE IN DATA SCIENCE AND ANALYTIC STORYTELLING GRADUATE CERTIFICATE IN DATA SCIENCE

Gain the skills to gather, interpret and communicate data effectively and efficiently.



**EIGHT-WEEK
COURSES OFFERED
YEAR ROUND**



**PART-TIME
STUDENT CAN
FINISH IN 2 YEARS**



**ASYNCHRONOUS
COURSES WITH AVAILABLE
WEEKLY ONLINE MEETINGS
AND OFFICE HOURS**

WHY TRUMAN?

- Learn concepts using the R Statistical software language and Python with connections to Sparks, SQL, and more.
- Assignments are flexible and designed to be relevant to your current or future occupation.
- Gain a blend of vocational and technical skills with deeper liberal arts and sciences knowledge.
- Learn how to create, tune and visualize machine learning model results.

For more information, visit

WWW.TRUMAN.EDU

or email gradinfo@truman.edu

Graduate Admissions Contact

GABRIELLE SQUIRES

gsquires@truman.edu
660-785-7398

MS (or certificate) 100% Online Data Science

MASTER'S DEGREE REQUIREMENTS:

Required Courses: 24 Credits

- PDAT 610 G - Introduction to Data Science Credits: 3
- PDAT 611 G - Big Data Management Credits: 3
- PDAT 613 G - Data Mining Credits: 3
- PDAT 615 G - Machine Learning Credits: 3
- PDAT 622 G - Narrative, Argument, and Persuasion with Data Credits: 3
- PDAT 624 G - Principles of Design in Data Visualization Credits: 3
- PDAT 625 G - Ethics and Data Security Credits: 3
- PDAT 630 G - Thesis Credit Credits: 3-6

Elective Courses: To 30 credits total

- PDAT 617 G - Python for Data Science Credits: 3
- PDAT 620 G - Data Science Capstone Credits: 3
- PDAT 626 G - Practicum in Data Storytelling Credits: 3
- PDAT 629 G - Topics in Data Science Credits: 3
- Graduate level STAT/CS courses Credits: 3

Total Hours: 30

Students completing the certificate are eligible for an application fee waiver for the master's degree.

CERTIFICATE DEGREE REQUIREMENTS:

Required Courses: 15 Credits

- PDAT 610 G - Introduction to Data Science Credits: 3
- PDAT 611 G - Big Data Management Credits: 3
- PDAT 613 G - Data Mining Credits: 3
- PDAT 615 G - Machine Learning Credits: 3
- PDAT 620 G - Data Science Capstone Credits: 3

Total Hours: 15

ADMISSION REQUIREMENTS:

- Baccalaureate degree from an accredited post-secondary institution (or its international equivalent).
- Students must complete the equivalent of STAT 190-Basic Statistics and CS 170-Introduction to Computer Science I before enrolling in any courses in the program.



Ready to Take the Next Step?
Scan the QR Code
To Start Your Application.