TRUMAN STATE UNIVERSITY

MS On-Campus **Data Science**

Earn an interdisciplinary degree in Data Science, 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

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 CALENDAR YEARS**



IN-PERSON SUPPORT FROM PEERS AND **EXPERT FACULTY**

WHY TRUMAN?

- Learn concepts using the R Statistical software language and Python with connections to Spark, 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
MADELYN LOHMAN
mlohman@truman.edu
660-785-7398

TRUMAN STATE UNIVERSITY

DISTINCT BY DESIGN

MS
On-Campus
Data Science

MASTER'S DEGREE REQUIREMENTS:

Required Courses: 21 credits

- **PDAT 610 G - Introduction to Data Science** Credits: 3
- **PDAT 611 G - Big Data Management** Credits: 3
- **PDAT 615 G - Machine Learning** Credits: 3
- **PDAT 624 G - Principles of Design in Data Visualization** Credits: 3
- **PDAT 625 G - Ethics and Data Security** Credits: 3
- **DATA 520 G - Data Mining and Multivariate Statistics** Credits: 3
- **STAT 535 G - Applied Statistical Methods II** Credits: 3

Required Support Courses: Up To 6 credits

Waived for students with appropriate undergraduate coursework

- **STAT 530 G - Applied Statistical Methods** Credits: 3
  STAT 530 is a prerequisite for STAT 535G
- **MATH 525 G - Math for Data Science** Credits: 3
  MATH 525 is a prerequisite for DATA 520G

Electives: 6 or more Graduate credits

Choose from STAT, DATA, MATH, PDAT, or CS

Electives should be chosen in consultation with their graduate advisors. With permission of the program director, up to 3 credits from other graduate subject areas may be included.

Capstone Experience: 3 or more credits

- **DATA 697G - Capstone Portfolio for Data Science** Credits: 3

OR

- **PDAT 630G - Data Science Thesis** Credits: 3

Total Hours: 30-36

ADMISSION REQUIREMENTS:

- Baccalaureate degree from an accredited post-secondary institution (or its international equivalent).
- Students must complete the equivalent of Math 198 - Calculus I, STAT 190-Basic Statistics and CS 170-Introduction to Computer Science I before enrolling in any courses in the program.
- Students with equivalent workplace or self-taught knowledge and experience for one or more courses should talk to the Program Director about a potential waiver.
- For international students, complete additional graduate school documentation, including demonstration of English proficiency and visa status.

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