

# MASTER OF SCIENCE IN DATA SCIENCE (MS-DS)

Big data has revolutionized the way organizations make strategic decisions. Companies, non-profits and government agencies expect their employees to be able to analyze data and effectively communicate their findings for decision making. As a result, workforce demand for individuals with science data skills is booming.

In response to the growing demand for data-savvy professionals, the University of Memphis is offering a new, STEM-designated MS in Data Science. Throughout this program, students will learn how to use advanced computational and statistical methods and tools to collect, store, retrieve, manipulate, interpret and visualize data. Importantly, these methods and tools will be offered in the context of particular high-demand business and scientific disciplines, so graduates have the understanding and acumen to translate their findings into actions.

Data Science is one of the most highly sought-after and versatile degrees available. Graduates will be prepared to pursue careers in a wide range of organizations in business, government, biomedical, education, engineering and applied sciences.

## ADMISSION REQUIREMENTS

- Baccalaureate degree (Bachelor of Science preferred)
- 3.0+ Undergraduate GPA
- GRE Score
  - Applicants already holding relevant master's degree or professional equivalencies may be exempt from the GRE requirement
  - Other standardized test scores (MCAT, DAT, GMAT or LSAT) may be used in lieu of GRE score
- 3 Letters of Recommendation
- Personal Statement
- TOEFL or IELTS scores required for International Applicants

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**CREDIT-HOUR  
PROGRAM**

**DATA SCIENCE RANKED**

**#1 JOB  
FOR THIRD-  
CONSECUTIVE YEAR\***

**HIGH DEMAND:  
4,524 OPEN JOBS**

**HIGH SALARY:  
\$110,000 MEDIAN**

**HIGH JOB  
SATISFACTION: 4.2/5**

**4-5 MILLION  
U.S. JOBS THAT  
REQUIRE DATA  
ANALYSIS SKILLS\***

**\$111,782\*  
AVERAGE SALARY  
FOR DATA SCIENTISTS  
IN MEMPHIS AREA**

**\*RATINGS AND DATA  
FROM GLASSDOOR.COM**



**POPULAR  
CAREERS**

Applications Architect  
Business Intelligence (BI) Developer  
Econometrician  
Forecasting  
Data Analyst  
Data Architect  
Data Engineer  
Data Scientist  
Machine Learning Engineer  
Machine Learning Scientist  
Statistician

**NATIONAL  
COMPANIES  
HIRING DATA  
SCIENTISTS**

Amazon  
Apple  
Facebook  
First Horizon  
Google  
IBM  
Intel  
Walmart

**MEMPHIS-BASED  
COMPANIES  
HIRING DATA  
SCIENTISTS**

FedEx  
St. Jude Children's Research Hospital  
International Paper  
AutoZone  
Thomas & Betts  
Smith & Nephew

These are a few of the most popular career paths for people with data science backgrounds. Further, this is only a sample of the many companies actively recruiting data scientists.