



New Degree

B.S. in DATA SCIENCE

Find meaning in numbers, patterns in chaos and solutions in data sets. With the data science program, you'll organize, analyze and interpret data, while learning predictive modeling, data reporting and visualization.

Choose from these advanced focus areas:

- Computer Science
- Mathematics
- Statistics

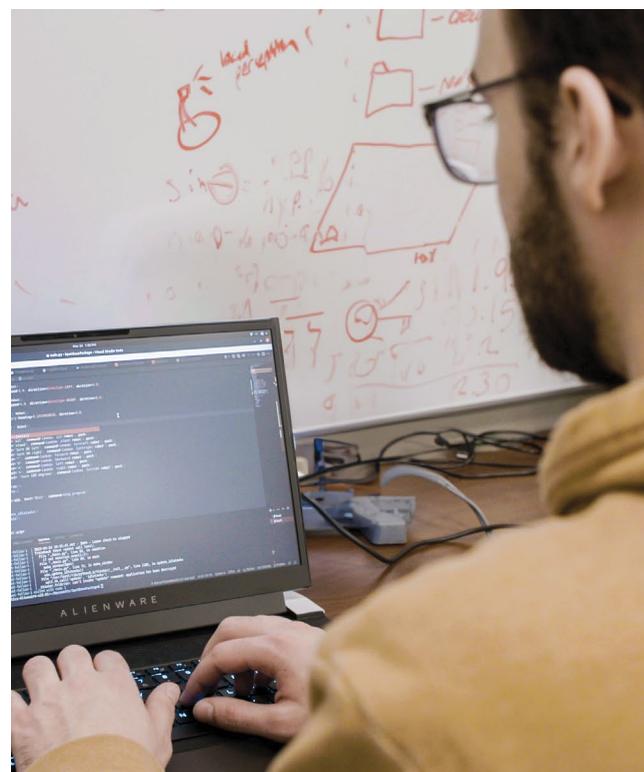
Career Outcomes

Data scientists work for a wide range of industries including:

- Banking and Finance
- Medicine and Health Care
- Technology
- Research and Development
- Marketing and Strategic Communications

Data scientists work for companies such as:

- Microsoft
- Oracle Cerner
- Enterprise
- Shelter Insurance
- Veterans United Home Loans
- Amazon



\$103,500

National Median Salary in 2022*
*U.S. Bureau of Labor Statistics

 University of Missouri

College of Arts & Science | College of Engineering

BRING DATA SCIENCE INTO FOCUS

All Mizzou Data Science majors take the same core curriculum including courses in data visualization, computing with data in Python, and matrix theory. Students then choose their own paths and focus in one of three areas: computer science, mathematics or statistics.

Computer Science in the College of Engineering

Data science students who choose the Computer Science area gain expertise in the principles essential for effectively handling and analyzing vast amounts of data through technology.

Computer science empowers graduates to leverage emerging technologies such as parallel computing and distributed systems — making them valuable hires in industries including cybersecurity, government and more.

SAMPLE ADVANCED FOCUS COURSES

- CMP_SC 4540 Neural Models and Machine Learning
- CMP_SC 4750 Artificial Intelligence I
- CMP_SC 4770 Introduction to Computational Intelligence

Mathematics in the College of Arts and Science

Data Science students who choose the Mathematics area are exposed to the theoretical framework behind complex techniques used to extract insights from data.

Mathematics equips graduates to be highly sought-after professionals with the analytical skills and quantitative reasoning necessary to be a go-to choice for employers in finance, engineering and more.

SAMPLE ADVANCED FOCUS COURSES

- MATH 4100 Differential Equations
- MATH 4355/4590 Quantitative Finance and Insurance I/II
- MATH 4540 Mathematical Modeling I

Statistics in the College of Arts and Science

Data Science students who choose the Statistics area gain deeper understanding of the underlying principles behind data analysis and machine learning algorithms.

Statistics prepares graduates to fulfill the ever-increasing demand for professionals who can interpret and derive meaning from data — unlocking doors to careers at the forefront of innovation in industries such as business analytics, healthcare informatics and more.

SAMPLE ADVANCED FOCUS COURSES

- STATISTICS 4330/4340 Methods in Sports Analytics I/II
- STATISTICS 4410 Biostatistics and Clinical Trials
- STATISTICS 4540 Experimental Design

Contact

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