

DUAL DEGREE: MASTER OF SCIENCE IN DATA SCIENCE & DOCTOR OF PHILOSOPHY IN MATHEMATICS



The vibrant field of data science is rapidly growing with increasing demand for well-trained, knowledgeable graduates. Our interdisciplinary Master of Data Science program provides a solid background in math, statistics and computer science. Another two semesters of coursework (24 credits) fulfills the course requirement for a PhD in either mathematics or applied mathematics. Your final two years are spent researching and writing your Ph.D. dissertation.

COMMON JOB TITLES IN DATA SCIENCE

- **Data analyst** – data mining analyst, business intelligence analyst
- **Data engineer** – business intelligence architect, computer systems engineer, data warehousing specialist, data administrator, database architect, system analyst
- **Data scientist** – biostatistician, data engineer, data scientist, financial quantitative analyst, statistician

“Data really powers everything that we do.”

– Jeff Weiner, CEO of LinkedIn



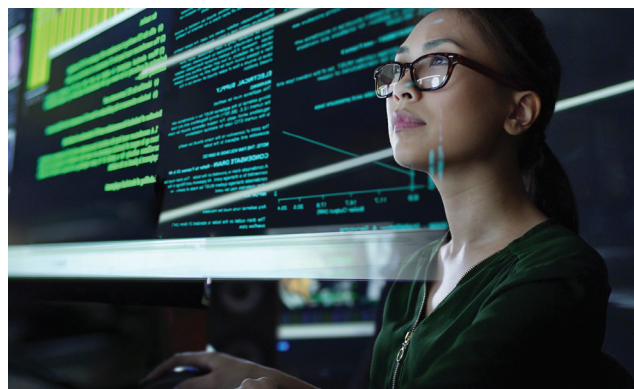
PROGRAM HIGHLIGHTS

- Award-winning faculty with National Science Foundation
- Career Award recipients and Sloan Fellows
- Practical data and problems in project-based courses
- Design your own program
- Academic advisor assigned to every student
- Fast-track your career in the research sector with a Ph.D.
- Open up unique opportunities available only to those with doctoral degrees and specialized research experience

PROGRAM SPONSORS

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ACADEMIC REQUIREMENTS

Coursework: 57 credit hours for both degrees

Required courses: MSDS: 6 credits apiece from math, statistics and computer science; 3 credit ethics course; 12 credits of electives from STEM fields, social sciences and economics. Total: 33 credits.

Ph.D.: 24 credits in mathematics courses (in addition to courses above)

Electives: 12 credits from STEM fields, social sciences and economics

Prerequisites: A Bachelor's degree from an accredited program is required for admission; and at least two semesters of programming. Undergraduate-level knowledge in probability, statistics, numerical analysis, algorithms and logic is recommended but not required.

ADMISSION DEADLINES

Fall semester: January 15

Spring semester: November 15

CONTACT

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Learn more at www.msds.udel.edu

