

MSDS University of Virginia Data Science Institute



Our Master of Science in Data Science (MSDS) graduates are changing business, medicine, engineering, technology, public policy, and more.

To meet the growing demand for skillful, ethical data scientists, the Master of Science in Data Science (MSDS) degree at the University of Virginia's Data Science Institute (DSI) is a rigorous professional master's program. This fast-paced program includes courses taught by faculty from the Data Science Institute, as well as from the Departments of Computer Science, Statistics, Systems and Information Engineering, and more.

The DSI's Master of Science in Data Science program quick facts:

- Eleven month program that begins in July and ends the following May. Each cohort consists of about 50 students.
- An industry-focused capstone project that is interwoven through the program from start to finish and gives students real-world experience as data scientists and collaborators.
- An interdisciplinary focus that spans across the University provides a broad network and the opportunity to learn about data science from a range of perspectives.
- Strategic partnerships with corporate, government, and non-profit agencies
- Funding for professional development
- Faculty who are world-leaders in diverse areas of the field of data science

At the DSI – an interdisciplinary research and academic institute at the University of Virginia – you will spend 11 months collaborating with faculty and students, building relationships and skills, and applying the knowledge you learn to real-world problems.

You might arrive as a sociologist, a computer programmer, or a recent graduate – you will leave with cutting-edge technical skills and a network of relationships in the field.

What do I learn?

- Python and R
- Data Mining
- Statistical Modeling
- Machine Learning
- Natural Language Processing
- Data Visualization
- Project Management
- and more

Where do I go from there?

- The top three places our alumni work are the Washington, DC area, NYC, and the SF Bay Area.
- Our alumni are in roles like Data Scientist, Sr. Data Analyst, Machine Learning Engineer, Data Science Manager and more.
- Our alumni work at organizations like Amazon, Capital One, Meetup, MITRE, NIH, LA Dodgers, comScore, Morgan Stanley, McKinsey, CIA, and more.



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