

# DATA SCIENCE AND ANALYTICS (MPDA)

Graduate Degree Program  
College: Computer, Mathematical, and Natural Sciences

## ABSTRACT

The Master of Professional Studies (MPS) in Data Science provides students education in the theory and practice of data science including mathematical and statistical foundations, computational approaches, and communication considerations. In addition to the fundamentals of data science program covers data science-relevant probability and statistics, algorithms, big data systems, machine learning, data mining, and analysis of networks. The program consists of 30-credit course work and culminates with research methods, study design and a capstone project. It is a non-thesis MPS program.

## CONTACT

### Science Academy

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**Website:** <https://scienceacademy.umd.edu/datascience/mps>

## Admissios

## GENERAL REQUIREMENTS

- Statement of Purpose (<https://advancedengineering.umd.edu/application-process>)
- Transcript(s)
- TOEFL/IELTS/PTE (international graduate students (<https://gradschool.umd.edu/admissions/english-language-proficiency-requirements>))

## PROGRAM-SPECIFIC REQUIREMENTS

- Graduate Record Examination (GRE) (optional)
- CV/Resume
- Description of Research/Work Experience
- Prior coursework establishing quantitative ability (i.e. calculus, linear algebra, basic statistics etc.).
- Proficiency in programming languages, demonstrated either through prior programming coursework or substantial software development experience.

Type of Applicant	Fall Deadline	Spring Deadline
<b>Domestic Applicants</b>		
US Citizens and Permanent Residents	Best consideration: 1 July	N/A
	Final: 31 July	N/A
<b>International Applicants</b>		

F (student) or J (exchange visitor) visas; A,E,G,H,I and L visas and immigrants

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N/A

**Other Deadlines:** Please visit the our admissions blog at: <https://gradschool.umd.edu/computermathematicalnatural-sciences/mpda>

## Requirements

- Data Science and Analytics, Master of Professional Studies (M.P.S.) (<https://academiccatalog.umd.edu/graduate/programs/data-science-analytics-mpda/data-science-analytics-mps>)