DATA SCIENCE AND ANALYTICS (MPDA)

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

ABSTRACT
The MS in Data Science provides an education in the theory and practice of data science including mathematical and statistical foundations, computational approaches, and communication considerations. In addition, the program covers data science-relevant probability and statistics, algorithms, big data systems, machine learning, data mining, and analysis of networks. Students who successfully complete the MS in Data Science should be able to design, conduct, interpret and communicate data analysis tasks and studies using methods and tools of statistics, machine learning, computer science, and communications. The program is offered through the Science Academy in the College of Computer, Mathematical, and Natural Sciences (https://cmns.umd.edu/).

The MS in Data Science and Analytics is a 30-credit graduate program designed to for working professionals. Instruction is provided by UMD faculty and experts in the field. The program features on campus instructional delivery at the UMD College Park campus (http://maps.umd.edu/map/).

contact
Science Academy
College of Computer, Mathematical, and Natural Sciences
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8223 Paint Branch Drive
University of Maryland
College Park, MD 20742
Email: scienceacademy@umd.edu
Phone: 301.405.9101

Website: https://cmns.umd.edu/graduate/science-academy/data-science/masters

ADMISSIONS
GENERAL REQUIREMENTS
• Statement of Purpose
• Transcript(s)
• TOEFL/IELTS/PTE (international graduate students)

PROGRAM-SPECIFIC REQUIREMENTS
• Proficiency in programming languages: Proficiency in programming languages, demonstrated either through prior programming coursework or substantial software development experience.

<table>
<thead>
<tr>
<th>Type of Applicant</th>
<th>Fall Deadline</th>
<th>Spring Deadline</th>
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<tbody>
<tr>
<td>Domestic Applicants</td>
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<tr>
<td>US Citizens and Permanent Residents</td>
<td>June 14, 2024</td>
<td>N/A</td>
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<td>International Applicants</td>
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<td>F (student) or J (exchange visitor) visas; A,E,G,H,I and L visas and immigrants</td>
<td>March 15, 2024</td>
<td>N/A</td>
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RESOURCES AND LINKS:
Program Website: https://cmns.umd.edu/graduate/science-academy/data-science/masters
Application Process: www.gradschool.umd.edu/admissions

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/)