DATA SCIENCE AND ANALYTICS (ONLINE) (MPDO)

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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7998 Regents Drive
College Park, MD 20742
Email: scienceacademy@umd.edu
Phone: 301.405.9101
Website: https://scienceacademy.umd.edu/datascience/mps

Admissions
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.

<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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<td>US Citizens and Permanent Residents</td>
<td>30 June</td>
<td>N/A</td>
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<tr>
<td>International Applicants</td>
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Requirements
• Data Science and Analytics, Master of Professional Studies (M.P.S.) (https://academiccatalog.umd.edu/graduate/programs/data-science-analytics-online-mpdo/data-science-analytics-mps/)