

DATA SCIENCE (ONLINE) (Z136)

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

ABSTRACT

Data Science is an emerging field encapsulating interdisciplinary activities used to create data-centric products, applications or programs that address specific scientific, socio-political, or business questions. Data Science is also commonly referred to as big data analytics, predictive analytics, advanced analytics, etc. It is making deep inroads in industry, government, health, and journalism, and many other disciplines. The Harvard Business Review has called "Data scientist" the "sexiest job of the 21st century", and due to the growing need for data science, there is a significant shortage of trained data scientists.

Offered by the nationally ranked Department of Computer Science (<https://www.cs.umd.edu/>), the University of Maryland's **Graduate Certificate of Professional Studies in Data Science**, provides a broad introduction to the field of Data Science, including how to extract and clean data, how to store and manage large volumes of data, and how to analyze such data and extract insights from it. Data Science requires the ability to integrate data, operate on data at scale, analyze data, make predictions, find patterns and form and test hypothesis. It incorporates practices from a variety of fields in computer science, chiefly Machine Learning, Statistics, Databases, and Visualization.

FINANCIAL ASSISTANCE

See: <http://oes.umd.edu/professional-programs/data-science/data-fees-aid> (<http://oes.umd.edu/professional-programs/data-science/data-fees-aid/>) for information about fees, payment plans, and financial aid.

CONTACT

Amol Deshpande
Professor
3221 A.V. Williams Building
8223 Paint Branch Drive
University of Maryland
College Park, MD 20742
Telephone: 301.539.9422
Email: amol@cs.umd.edu

Website: <http://ter.ps/datascience> (<http://ter.ps/datascience/>)

Courses: CMSC

Admissions

GENERAL REQUIREMENTS

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

PROGRAM-SPECIFIC REQUIREMENTS

- Description of Research/Work Experience
- CV/Resume

***Visa Eligibility:** This program is not eligible for I-20 or DS-2019 issuance by the University of Maryland.

For more admissions information or to apply to the program, please visit our Graduate School website: www.gradschool.umd.edu/admissions (<http://www.gradschool.umd.edu/admissions/>)

APPLICATION DEADLINES

Type of Applicant	Fall Deadline
Domestic Applicants	
US Citizens and Permanent Residents	Fall 2020: 28 July
	Fall 2021: 30 June
International Applicants	
F (student) or J (exchange visitor) visas; A, E, G, H, I and L visas and immigrants	N/A

Other Deadlines: Please visit the program website at <http://ter.ps/datascience> (<http://ter.ps/datascience/>)

Requirements

- Data Science, Post-Baccalaureate Certificate (P.B.C.) (<https://academiccatalog.umd.edu/graduate/programs/data-science-online-z136/data-science-z136/>)