

THE GEORGE
WASHINGTON
UNIVERSITY
WASHINGTON, DC

GW Data Ecosystem



Data Science at The George Washington University

Master of Science & Graduate Certificate

Foggy Bottom (DC) Campus

&

Arlington VA, Ballston

Data Science at The George Washington University

Master of Science

Ten courses: 30 Credits

- 7 Data Science courses
- 2 Content electives
- 1 Capstone course

Graduate Certificate

Four courses: 12 Credits

- 3 Data Science course
- 1 Content elective

Core Courses

Introduction to Data Science
Data Warehousing
Data Mining

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Examples of courses to be chosen in consultation with your advisor.

- ❖ DATS 6401 Data Visualization
- ❖ DATS 6402 High Performance Computing
- ❖ DATS 6202 Machine Learning I
- ❖ DATS 6203 Machine Learning II
- ❖ DATS 6401 NLP
- ❖ DATS 6401 Bayesian Methods
- ❖ DATS 6401 Cloud Computing
- ❖ DATS 6401 CS Foundation for Data Science

Dual Degree

- ❖ Applied Economics
- ❖ Geographical Information Systems
- ❖ Health Informatics – In process

Data Science Institute

- ❖ Newly founded in 2018
- ❖ 30 faculty members and GW staff
- ❖ Focused in three areas:
 1. Development of internal partnerships and communications between colleges
 2. Evolution of data science education at GW
 3. Collaborative research

DataCon 2018

- ❖ Data focused Conference in partnership with Data Community DC
- ❖ November 7th in the Marvin Center
 - ❑ <https://www.ncsi.com/event/dcdatacon/2018/>
 - ❑ Call for papers:
<https://www.ncsi.com/event/dcdatacon/callforpapers/>

GWU Data Programs

- ❖ PhD – Cross disciplinary program focused on the intersection of human expertise and data science
- ❖ Master's Data Science – Columbian College of Arts and Sciences
- ❖ Master's Business Analytics – School of Business
- ❖ Master's in Data Analytics – School of Applied Science and Engineering
- ❖ Master's in Health Informatics – School of Public Health
- ❖ Undergraduate – Bioinformatics – Health Sciences
- ❖ Boot camps – College of Professional Studies
- ❖ Stem Works - Training sessions on coding and other data related topics throughout the year

Events

- ❖ Data Community DC – Host dozens of data related talks on GW campus every semester
<http://www.datacommunitydc.org/calendar/>
- ❖ GW Data Club – Conducts training sessions, annual conference and hackathons
- ❖ Series of conference – R days, Jupyter pop-up, DataCon, Business Analytics conference, & of course DAA!
- ❖ Seminars – University sponsored speaking series on applied Big Data topics

Website: <https://datasci.columbian.gwu.edu/>

Contact me (Brian) at bwright6@email.gwu.edu

Questions?