

DATA ANALYTICS

M.S.

School of Engineering & Applied Science

THE GEORGE WASHINGTON UNIVERSITY

Data Analytics is the study and usage of big data. Big data is increasingly being used to track, analyze, and inform major decisions for policy, business, and other organizational needs. Data analysts learn the fundamentals of computer science and data analysis, as well as engineering principles and data management. Data is no longer limited to tech companies and statistical organizations – it can be applied to virtually any sector.

KEY SKILLS & SAMPLE JOBS

- Analyze and interpret complex data
- Improve decision-making processes in tech and business organizations
- Solve problems within realistic constraints
- Store, clean, and transform large-scale data sets
- Work on multidisciplinary teams

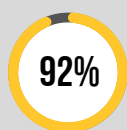
Sample Job Titles: Data Analyst, Data Engineer, Analytics Manager, Data Scientist

COMPUTER SCIENCE & EMSE DEPARTMENTS

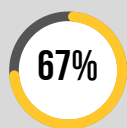
2 focus areas

Data Analytics is jointly offered with the Department of Engineering Management & Systems Engineering

2018 CAREER OUTCOMES



92% of SEAS students were satisfied with the career programs and services



67% of SEAS graduates were employed or enrolled in graduate school within 6 months



44% of SEAS graduate students earn a salary of \$100,000 or more

ENROLLMENT

18 graduate students

EMPLOYERS

WHO HAVE HIRED GW STUDENTS

Amazon
Blue Cross Blue Shield
Cummins
Leidos
Northrup Grumman
Oracle
Pimco
U.S. Dept. of Justice

RESEARCH AREAS

Cloud Computing
Data Driven Decision Making & Policy
Data Mining
Decision Support Systems
Machine Learning
Natural Language Processing
Risk Analysis & Management

W. SCOTT AMEY CAREER SERVICES CENTER

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