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

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**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

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**Computer Science & EMSE Departments**

- 2 focus areas
- Data Analytics is jointly offered with the Department of Engineering Management & Systems Engineering

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**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

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**Research Areas**

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

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