At the School of Engineering and Applied Science (SEAS), we strive to provide students with valuable resources and access to academic, corporate, non-profit, government, and professional development opportunities. By connecting students, faculty, staff, alumni, and employers, we create a talent pipeline that highlights GW graduates as leading contributors to the global community.

Administered jointly through the Department of Computer Science and the Department of Engineering Management and Systems Engineering, the Master of Science in Data Analytics program at GW addresses the growing demand for professionals skilled in big data and data analytics. It provides a comprehensive and rigorous curriculum that covers all aspects of data acquisition and management, allowing for students to apply their skills toward any sector. Graduates of this program are intellectually prepared for a wide range of data analytics jobs.

At SEAS, our students pride themselves on developing cutting-edge research and innovation both in and out of the classroom. Through its institutes, centers, and special programs, SEAS extends academic investigation throughout the greater GW campus, professional industry, and society as a whole. By fostering an environment in which students apply technology and research findings to all areas of instruction, students are well prepared for rewarding and productive careers as engineers, applied scientists, and computer scientists.

2017 STUDENT ENROLLMENT
Graduate: 4

FOCUS AREAS & SAMPLE COURSEWORK

Computer Science
- Machine Learning
- Data Mining
- Cloud Computing
- Natural Language Processing

Engineering Management & Systems Engineering
- Data Mining and Processing
- Data Driven Decision Making and Policy
- Decision Support Systems
- Risk Analysis and Management

RESEARCH AREAS
- Algorithms and Theory
- Artificial Intelligence and Robotics
- Bioinformatics and Biomedical Computing
- Computer Security and Information Assurance
- Digital Media
- Networking and Mobile Computing
- Pervasive Computing and Embedded Systems
- Data Science
- Software Engineering and Systems

CENTERS & INSTITUTES
- Cyber Security and Privacy Research Institute
- Institute for Computer Graphics
- Motion Capture and Analysis Laboratory (MOCA)
DATA ANALYTICS

FACULTY
SEAS students benefit from instruction, interaction, and collaboration with faculty who are on the cutting-edge of research and are leaders in their fields. More than two-thirds of our recently hired SEAS faculty members graduated from top 20 engineering and computer science programs in the U.S., or top programs across the world.

CONTACT US
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