RECRUIT BETTER.

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.

HIRE BETTER.

Students pursuing graduate studies in systems engineering develop a “systems approach” for designing and managing large-scale engineering systems from beginning to end. This is accomplished through coursework that covers the basics of management and engineering economics, as well as specialized expertise in one of three areas of focus: operations research and management science; systems engineering and integration; and enterprise information assurance. Upon graduation, our students are able to work effectively in technical organizations with their knowledge in systems security, program and project management, and decision-making under uncertain circumstances.

ENGINEER BETTER.

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.

SYSTEMS ENGINEERING GRADUATE STUDENT PROFILE

Number of Enrolled Students: 50

AREAS OF FOCUS

- Enterprise Information Assurance
- Operations Research and Management Science
- Systems Engineering and Integration
- Cognitive Systems Engineering
- Configuration Management
- Control Engineering
- Interface Design
- IT Systems
- Mechatronics

COMMON INDUSTRIES STUDENTS SEEK JOBS IN:

- Operations Research
- Performance Engineering
- Program Management/Project Management
- Risk Management
- Safety Engineering
- Scheduling
- Security Engineering
- Software Engineering
- Enterprise Systems Engineering
RESEARCH FACILITIES, PROJECTS, AND PARTNERSHIPS

At GW, systems engineering students actively collaborate with peers and faculty on research, which is conducted across several facilities on and off campus.

Departmental Research Highlights

- Environmental Protection Agency
- National Aeronautics and Space Administration
- National Institutes of Health
- United Nations
- U.S. Coast Guard
- U.S. Food and Drug Administration

Department Annual Research Expenditure: $4.9 million (2014)

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 Information

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