

CIVIL & ENVIRONMENTAL ENGINEERING

B.S., M.S., PH.D.

School of Engineering
& Applied Science

THE GEORGE WASHINGTON UNIVERSITY

Civil Engineers design, construct, and supervise large construction projects and systems, including roads, buildings, airports, tunnels, dams, bridges, water supply, and sewage treatment. Many civil engineers work in design, construction, research, and education, and hold supervisory or administrative positions ranging from supervisor of a construction site to working as a city engineer.

Environmental Engineers use the principles of engineering, biology, and chemistry to develop solutions for environmental problems. They are involved in efforts to improve recycling, waste disposal, public health, and water and air pollution control. They also address global issues such as unsafe drinking water, climate change, and environmental sustainability.

KEY SKILLS & SAMPLE JOBS

- Analyze scientific data, survey reports, maps, and other data to plan and design projects
- Identify and anticipate problems to improve safety, prevent loss, and mitigate damage to environment
- Lead and communicate with a team of various experts to implement a plan
- Prepare cost estimates for materials, equipment, or labor

Sample Job Titles: City Engineer, Design Engineer, Environmental Engineer, Project Engineer

CIVIL & ENVIRONMENTAL ENGINEERING DEPARTMENT

12 full-time faculty

\$2.7 million annual research expenditures

Access to a three-story High Bay Lab with reinforced "strong wall" and "strong floor" with testing capabilities up to 100 million pounds of force

DEPARTMENT ENROLLMENT

105 undergraduate

49 graduate

RESEARCH AREAS

Environmental Engineering

Geotechnical Engineering

Mechanics and Materials

Structural Engineering

Transportation Safety Engineering

Water Resources Engineering

2018 CAREER OUTCOMES

92%

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

87%

87% of civil engineering seniors were employed or enrolled in graduate school within 6 months

\$

\$61,500 median salary for civil engineering undergraduates

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

EMPLOYERS

WHO HAVE HIRED GW STUDENTS

Arup

Clark Construction

Kiewit

Porsche

Turner Construction

U.S. Navy

Virginia Dept of Transportation

W. SCOTT AMEY CAREER SERVICES CENTER

careers.seas.gwu.edu

seascareers@gwu.edu