

# MECHANICAL & AEROSPACE ENGINEERING

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

School of Engineering & Applied Science  
THE GEORGE WASHINGTON UNIVERSITY

Mechanical Engineers research, design, develop, build, and test mechanical and thermal sensors and devices, including tools, engines, and machines. It is one of the broadest engineering fields with many specialty areas such as heating and cooling, power and energy, and robotics. Aerospace Engineers design primarily aircraft, spacecraft, satellites, and missiles. They may develop new technologies for use in aviation, defense systems, and spacecraft.

## KEY SKILLS & SAMPLE JOBS

- Analyze and interpret complex data
- Effective written and verbal communication
- Produce and implement designs
- Test, evaluate, and modify products and procedures
- Work on multidisciplinary teams

**Sample Job Titles:** Design Engineer, Project Engineer, Mechanical Engineer, Test Engineer

## MECHANICAL & AEROSPACE ENGINEERING DEPARTMENT

23 full-time faculty

\$4.3 million annual research expenditures

Home to one of the nation's leading fluid dynamics research programs. This research impacts transportation, energy, medicine, weather prediction, and many other fields.

## DEPARTMENT ENROLLMENT

249 undergraduate

152 graduate

## RESEARCH AREAS

Aerospace Engineering

Biomedical Engineering

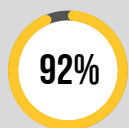
Design and Manufacturing of Mechanical and Aerospace Systems

Fluid Mechanics, Thermal Science and Energy

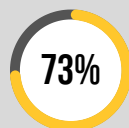
Mechantronics, Robotics and Controls

Solid Mechanics and Materials Science

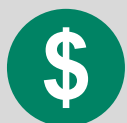
## 2018 CAREER OUTCOMES



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



73% of mechanical engineering seniors were employed or enrolled in graduate school within 6 months



54% of mechanical engineering undergraduates earned a salary of \$70,000 or more

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

## EMPLOYERS

WHO HAVE HIRED GW STUDENTS

Clark Construction

General Dynamics

Lockheed Martin

MC Dean, Inc.

Raytheon

U.S. Air Force

U.S. Army

U.S. Navy

W. SCOTT AMEY CAREER SERVICES CENTER

[careers.seas.gwu.edu](https://careers.seas.gwu.edu)

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