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

**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

**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

**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

**RESEARCH AREAS**
- Aerospace Engineering
- Biomedical Engineering
- Design and Manufacturing of Mechanical and Aerospace Systems
- Fluid Mechanics, Thermal Science and Energy
- Mechatronics, Robotics and Controls
- Solid Mechanics and Materials Science

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