Engineering Management is an interdisciplinary problem-solving field and Engineering Managers use their knowledge of engineering to oversee a variety of activities. They must understand the technologies being developed as well as the rapidly changing marketplace in which these technologies will be applied. Engineering Managers may direct and coordinate building activities at construction sites or activities related to production, operations, quality assurance, testing, or maintenance at manufacturing sites. They are also responsible for developing the overall concept of a new product or for solving the technical problems that prevent the completion of a project.

### Key Skills & Sample Jobs

- Evaluate information carefully and solve complex problems
- Keep track of many workers, schedules, and budgets simultaneously
- Lead teams to meet goals and work together with other levels of management
- Use advanced mathematics to develop new products and processes

**Sample Job Titles:** Engineering Manager, Principal Engineer, Project Engineer, Project Manager

### 2018 Career Outcomes

- 92% of SEAS students were satisfied with the career programs and services
- 79% of engineering management graduates were employed within 6 months
- 63% of engineering management graduates earned a salary of $100,000 or more

### Engineering Management & Systems Engineering Department

- 12 full-time faculty
- $1.1 million annual research expenditures
- One of the largest engineering management and systems engineering programs in the U.S.

### Department Enrollment

- 94 undergraduate
- 402 graduate

### Research Areas

- Engineering and Technology Management
- Systems Engineering
- Environmental and Energy Management
- Information Assurance
- Crisis, Emergency and Risk Management
- Operations Research
- Economics, Finance and Cost Engineering
- Knowledge and Information Management

### Employers Who Have Hired GW Students

- BAE Systems
- Huntington Ingalls Industries
- Leidos
- NRG Energy
- U.S. Dept of Defense
- World Bank Group
- Xerox

### W. Scott Amey Career Services Center

careers.seas.gwu.edu
seascareers@gwu.edu