Program Description

Engineering Management and Systems Engineering is an interdisciplinary, problem-solving field. Professional engineering managers must understand the technologies being developed, as well as the rapidly changing marketplace in which these technologies will be applied. The department has developed innovative educational and research programs that cross disciplinary and departmental boundaries to achieve this goal.

Sample Occupations

- Engineering Manager
- Engineering Director
- Engineering Program Manager
- Project Manager
- Senior Lead Analyst
- Cost Systems Analyst
- Construction Management Engineer
- Industrial Management Engineer

Sample Work Settings

- Manufacturing
- Architecture, Engineering, and Related
- Engineering and Technology
- Semiconductor and Other Electronic Component
- Mining, Quarrying, and Oil and Gas
- Navigational, Measuring, Electromedical, and Control Instruments Manufacturing
- Scientific Research and Development
- Electronic Component
- Pipeline Transportation of Crude
- Computer and Peripheral Equipment
- Petroleum and Petroleum Products Merchant Wholesalers

Job Search Sites:

- Engineering Central: www.engcen.com
- Engineering Jobs: www.engineerjobs.com
- Graduating Engineers: www.graduatingengineer.com
- Engineering Careers: www.thecareerengineer.com

Job Search & Career Planning Resources

Use Career Center online resources (GWork, GoingGlobal, Vault)
Keywords: Engineering Management, Project Management, Engineering Consultant

Top companies in this field

Anheuser-Busch Inc., Bose Corp, Coca-Cola, Dell, Hershey, Honda, Johnson & Johnson, Kraft Food, Lockheed Martin, Microsoft, NASA, Sony

Professional Organizations

Tips: Join professional organizations to network and find out more about your field.

- Institute of Industrial Engineers http://www.iienet2.org/
- American Society for Engineering Education http://www.asee.org/
- American Society for Quality www.asq.org
- Institute for Operations Research and the Management Sciences (INFORMS) www.informs.org
- National Society of Professional Engineers www.nspe.org