What can I do with my Major?

MANAGEMENT AND ENGINEERING FOR MANUFACTURING

SAMPLE JOB TITLES

Visit O*Net and conduct an Occupation Quick Search of each job title to learn more about that career path.

- Industrial Engineering Technician
- Engineering Teacher, Postsecondary
- Architectural and Engineering Managers
- Commercial and Industrial Designers
- Industrial Engineer
- Industrial Safety and Health Engineers
- Manufacturing Engineering Technologist
- Industrial Engineering Technologist
- Manufacturing Engineer
- Production Supervisor
- Quality Control Manager
- Configuration Management Analyst
- Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products
- Line Manager
- Machine Operator
- Documentation Engineer
- Manufacturing Supervisor
- Plant Supervisor

OTHER RESOURCES

- Society of Manufacturing Engineers
- National Association of Manufacturers
- Manufacturers’ Agents National Association

OVERVIEW OF MAJOR

The Management and Engineering for Manufacturing major is offered jointly through the Schools of Business and Engineering. The program provides students with solid engineering and business skills, a total enterprise vision, and in-depth knowledge of world-class manufacturing methods. Such methods include concurrent product engineering and design for manufacturing, computer integrated manufacturing, understanding of the management of technology, just-in-time manufacturing philosophy, and change management capabilities. The courses for the major are team-taught by faculty from both schools.

NATURE OF WORK

Manufacturing engineers manage the entire production process. In addition, they come up with a time- and cost-effective way of making a product without sacrificing quality. Factors they consider include factory floor space, type of manufacturing equipment, and cost of labor and materials. In addition, they select the necessary equipment and machines and oversee the arrangement and safety operations.

They may also have to evaluate production operations to determine whether robots or other technical tools can be used in an assembly line. They may make recommendations on purchasing robotic equipment; some manufacturing engineers make their own robots.

UCONN RESOURCES

- Department of Operations and Information Management and Engineering
- Management and Engineering for Manufacturing Society
- Alpha Kappa Psi
- Student Entrepreneurial Organization
- Undergraduate Business Leadership Council
- Tau Beta Pi
- Freshman and Sophomore Business Society
- International Business Society
- Engineering Student Leadership Council
- Society of Hispanic Professional Engineers
- National Society of Black Engineers
- Women in Math, Science and Engineering Society of Women Engineers