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

UCONN
CENTER FOR CAREER DEVELOPMENT