WHAT CAN I DO WITH MY 
MECHANICAL ENGINEERING 
DEGREE?

Using the Major Sheet:
• Large headings indicate industry area and subheadings indicate employers within that area.
• Use the titles to search for careers and related careers in order to explore your options within different areas of industry. Note that some career titles have multiple names for similar positions.
• An asterisk (*) notes that additional training (certification, graduate school, high level of experience) may be needed in order to obtain this career. Make sure to thoroughly research career pathways.

MECHANICAL ENGINEERING

Relevant Industries
• Automotive
• Chemical
• Machinery/Tool Manufacturers
• HVAC

Transportation
• Transportation Industry Consultant
• Highway Engineer

Energy
• Thermal Engineer
• Applications Engineer

Manufacturing / Production Operations / Maintenance
• Plant Engineer
• Applications Engineer

Machines/Mechanical Design
• Mechanical Technologist
• Mechanical Engineering Technician

Health
• Biomechanics Engineer

OPERATIONS RESEARCH / MODELING
Consulting Firms, Large Corporations, Government, Research Organizations
• Research Assistant
• Analyst Assistant

MANUFACTURING - PURCHASING & MATERIALS MANAGEMENT
• Operations Research Analyst
• Inventory Manager
• Assistant Quality Assurance Manager
• Industrial/Wholesale Buyer

• Assistant Buyer
• Line Supervisor
• Purchasing Agent
• Purchasing Price Analyst

• Traffic Manager
• Production Manager
• Contract Agent/Manager
• Cost Estimator
OTHER ENGINEERING-RELATED

Government
• Project Engineer  • Chemical Engineer  • CIA Engineer
• Peace Corps Volunteer • Patent Reviewer  • Mechanical Engineer

Human Resources
• Technical Recruiter  • High Tech Head Hunter

Sales / Marketing
• Sales Engineer  • Technical Sales Rep.  • Trade Show Organizer
• High Tech Marketing Specialist • Product Engineer  • Technical Representative
• Applications Engineer  • Product Manager  • Market Research Analyst

Publishing
• Technical Writer  • Editorial Assistant

Preparation for a Competitive Job Market:
• Focus on transferable skill sets as you pursue a degree in Mechanical Engineering.
• Obtain relevant internship, co-op, or volunteer experiences.
• Supplement Mechanical Engineering coursework with classes relevant to your career.
• Meet with a Career Specialist to explore options, make decisions, and prepare for career choices.

Additional Career Center Resources:
• Major Sheets (ENME, ENGR, PHYS, ENEL): http://careers.umbc.edu/tools/major-sheets/
• Links by Major: http://careers2.umbc.edu/tools/links.php
• Vault: http://careers.umbc.edu/students/discover/explore-careers-majors/
  -Click on Vault Career Insider portal link and provide UMBC user ID and password
  -Select “Guides” to view relevant guides such as:
    “Vault Guide to Medical Equipment Manufacturing Jobs”

• Professional Associations:
  American Society of Mechanical Engineers: www.asme.org
  National Society for Professional Engineers: www.nspe.org
  National Society of Black Engineers: www.nsbe.org
  American Association of Engineering Societies: www.aaes.org
  Society of Women Engineers: www.swe.org
  Society of Automotive Engineers: www.sae.org