

Manufacturing Engineering Technologist (17-3029.06)

At-a-Glance Statistics



Sample Job Titles

Business Process Analyst, Manufacturing Coordinator, Manufacturing Technology Analyst, Product Manager, Scientist

Key Tasks

- Develop manufacturing infrastructure to integrate or deploy new manufacturing processes.
- Develop production, inventory, or quality assurance programs.
- Create computer applications for manufacturing processes or operations, using computer-aided design (CAD) or computer-assisted manufacturing (CAM) tools.
- Train manufacturing technicians on topics such as safety, health, fire prevention, or quality.
- Analyze manufacturing supply chains to identify opportunities for increased efficiency in the acquisition of raw materials.
- Monitor manufacturing operations to ensure adherence to environmental policies and practices.
- Evaluate current or proposed manufacturing processes or practices for environmental sustainability, considering factors such as greenhouse gas emissions, air pollution, water pollution, energy use, or waste creation.
- Install manufacturing engineering equipment.
- Design plant layouts or production facilities.
- Develop sustainable manufacturing technologies to reduce greenhouse gas emissions, minimize raw material use, replace toxic materials with non-toxic materials, replace non-renewable materials with renewable materials, or reduce waste.
- Develop processes to recover, recycle, or reuse waste or scrap materials from manufacturing operations.
- Train manufacturing technicians on environmental protection topics.

Education and Training



Associate's Degree

41%



Bachelor's Degree

36%



High School diploma or equivalent

9%

Top Industries



Manufacturing

Professional, Scientific, and Technical Services

Number Employed



87,000 positions

13,900 job openings

Median Wages



Hourly

\$30.38



Annually

\$63,200

Top Ten States for Occupational Percentage Growth

