OCCUPATIONAL PROFILE

Manufacturing Engineering Technologist (17-3029.06)

At-a-Glance Statistics



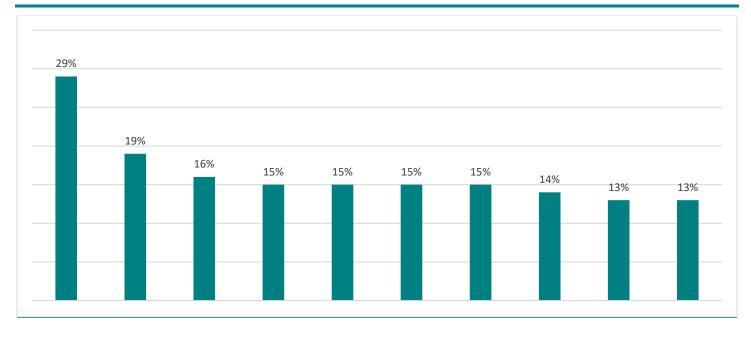
SampleJob TitlesBusiness Process Analyst, Manufacturing Coordinator, Manufacturing TechnologyAnalyst, Product Manager, Scientist

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			Top Industries	
Associate's Degree	Bachelor's Degree	High School diploma or equivalent		Manufacturing Professional, Scientific, and Technical Services
41%	36%	9%	Number Employed	
Median Wages				
Hourly		Annually	87,000 positions 13,900 job openings	

Top Ten States for Occupational Percentage Growth



UT CT AZ GA CO TX NE ND NY WY