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%

**Median Wages**

- **Hourly**: $30.38
- **Annually**: $63,200

**Top Industries**

- **Manufacturing**
- **Professional, Scientific, and Technical Services**

**Number Employed**

- **87,000 positions**
- **13,900 job openings**

**Top Ten States for Occupational Percentage Growth**

- **UT**: 29%
- **CT**: 19%
- **AZ**: 16%
- **GA**: 15%
- **CO**: 15%
- **TX**: 15%
- **NE**: 15%
- **ND**: 14%
- **NY**: 13%
- **WY**: 13%