Careers in Manufacturing Exciting. Dynamic. High Paying.

Why Choose Manufacturing?¹

Diverse Opportunities

Choose an area that matches your interests and skills in a wide range of industries.

Innovation and Technology

Get to work with cutting edge tools, automated systems, and advanced materials.

Job Stability and Career Growth

Progress from entry-level to managerial roles with a clear path for advancement.





Hands-On Experience and Pride in Creation

Enjoy seeing tangible results and taking products from prototypes to production.

Competitive Compensation

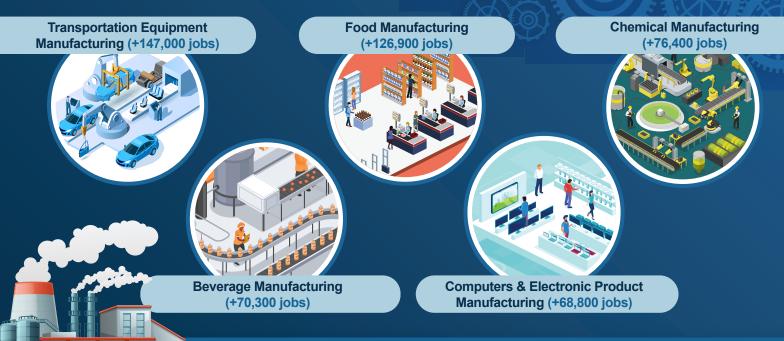
Earn competitive salaries and benefit packages. The average compensation in U.S. manufacturing is 6.3% higher than that for total private industry.¹⁶

Continuous Learning

Evolve and garner knowledge, enabling new career opportunities, as manufacturing changes to incorporate technological advances and reflect consumer preferences.

Top 5 Manufacturing Industries by Employment Growth²

These five manufacturing sectors have seen the most employment growth over the last five years.





Manufacturing Needs People³

CURRENT VACANCIES

486 thousand employment opportunities in manufacturing as of June 2024³ PROJECTED LONG TERM VACANCIES

3.8 million people needed by 2033

to fill manufacturing positions from retirement and industry growth between 2024 & 20337

Of these, **1.9 million** jobs potentially unfilled due to skills gap and lack of applicants⁷

Careers in Manufacturing^{4,5,6}

Environmental Engineer Robotics Technician Safety Manager Heavy & Tractor-Trailer Truck Driver—\$53,340* Production Supervisor—\$71,440*

Process Engineer CNC Operator Electrical Engineer Graphic Designer—\$52,970* Circuit Designer Graphic Designer—\$52,970*

Computer & IT Manager—\$190,050* Assembly Line Worker—\$44,900 Coating & Painting Operator—\$46,520* Flavorist Logistician—\$88,100* Welder, Cutter, Solderer—\$50,140* Mechanical Engineer

Marketing Manager—\$171,380* Laser Engineer CNC Tool Programmer—\$67,740* Human Resource Specialist—\$80.84

*Average Annual Wage, 2023

Jobs on the Horizon⁷

AI. Robotics. Digital engineering...Manufacturing pairs innovation with production and creativity with practicality.

Digital Twin Engineer

Create a virtual representation of the physical elements and the dynamics of an Internet of Things-connected product as it operates and interacts within its environment throughout its lifecycle.

Predictive Supply Network Analyst Use machine learning and cognitive computing to identify opportunities for calibrating demand and

supply, maximizing performance for all stakeholders.

Robot Teaming Coordinator

Train humans and robots to work together collaboratively, optimizing robot value and human skills.

Digital Offering Manager

Identify and create new product offers that are entirely digital and delivered virtually, developing data-driven products that are aligned with the physical products a company makes.

Drone Data Coordinator

Analyze, coordinate, and manage drone data to improve routes, resources, and safety.

Visit: https://www.nist.gov/mep/mep-national-network

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1) Based on https://www.nist.gov/mep/manufacturing-infographics/why-you-should-consider-career-manufacturing (2) Bureau of Labor Statistics, Current Employment Statistics Survey, 5-year Employment Growth (2018-23). Extracted 8/6724. (3) https://www2.deloite.com/us/en/insights/industry/imanufacturing/supporting-us-manufacturing-growth-amid-workforce-challenges.html (4) https://www.ziprecruite-com/us/en/insights/industry/imanufacturilo) (5) https://www.ziprecruite-com/g/Highest-Paying/Manufacturing-Jobs: html; (4) https://www.ziprecruite-com/g/9 Most-Popular-Types-of-Manufacturing-Jobs (5) https://www.ziprecruite-com/g/Highest-Paying/Manufacturing-Jobs: html; (4) https://www.ziprecruite-com/g/9 Most-Popular-Types-of-Manufacturing-Jobs Socupational Employment and Wage Statistics (OEWS) Survey, May 2023, www.bis.gov/oes (7) chrome-extension://efaidnbmnnnibpcajpcglclefindmkahttps://www.2.deloite.com/content/idam/insights/us/articles/4747_Manufacturing-personas/4747_Manufacturing-personas-Interactive.pdf