



STEM Career Pathway: Advanced Manufacturing

Explore High-Demand Careers in Advanced Manufacturing

Do you like working with technology, robotics or machinery? Advanced Manufacturing careers offer exciting, hands-on opportunities in high-tech environments!

Careers in Advanced Manufacturing

- ✓ **CNC Machinist** – Operates computer-controlled machines to create precision parts
 - ✓ **Industrial Engineer** – Designs systems to improve manufacturing processes
 - ✓ **Automation Technician** – Works with robotics and automated systems
 - ✓ **Quality Control Inspector** – Ensures products meet industry standards
- 👉 *Manufacturing today is high-tech, requiring skilled workers to operate and maintain sophisticated equipment!*

Ready to explore more?

Contact **Apprenticeship Missouri** at apprenticeship@dhewd.mo.gov to learn more about careers in advanced manufacturing!

Apprenticeship & Training

- ✓ Manufacturing apprenticeships provide paid, hands-on training
- ✓ Certifications such as NIMS (National Institute for Metalworking Skills) or OSHA safety training can help you stand out
- ✓ Many community colleges offer advanced manufacturing programs

Key Skills for Success

- ✓ **Technical Skills:** Blueprint reading, CNC machining, robotics and troubleshooting
- ✓ **Soft Skills:** Attention to detail, teamwork and time management
- ✓ **Certifications or Degrees:** NIMS certification, associate degree in manufacturing technology

How to Get Started

- ✓ Take shop, engineering or robotics courses in high school
- ✓ Enroll in apprenticeships or hands-on training programs
- ✓ Earn certifications like NIMS or Lean Manufacturing
- ✓ Explore opportunities at local manufacturing and technology companies



Scan or [click here](#) to find a program of interest!

