



MANTECH WORKFORCE PROGRAM

THE ADVANCED MANUFACTURING WORKFORCE CHALLENGE

With **~207,000** annual technician jobs open within the Defense Industrial Base, there is a critical shortage of qualified advanced manufacturing workers. This is constraining the ability to transition advanced manufacturing technologies into scaled production.



OUR SOLUTION

ManTech education and workforce development addresses this challenge via a targeted portfolio of programs in key defense markets that strengthen the manufacturing workforce required to transition and scale advanced manufacturing technologies.

OUR IMPACT

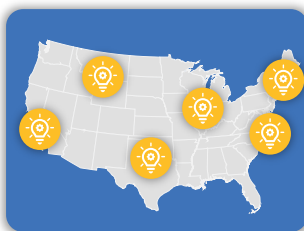
Launched in 2022, ManTech is delivering measurable workforce impact across the Defense Industrial Base.

PORTFOLIO PROGRAMS



30+

DEFENSE MARKETS



15+

PARTICIPANTS REACHED



19,000+

MOST NEEDED CRITICAL INDUSTRY SKILLS

ADDITIVE MANUFACTURING



Mastering design-for-additive principles across materials, hardware, and software to enable rapid, on-demand defense production.

BIOMANUFACTURING PRODUCTION



Fusing cell engineering, biofabrication, and automation to rapidly develop and produce advanced biomaterials and medical countermeasures.

TECHNICAL DRAWING & SCHEMATICS



Utilizing CAD/CAM software to translate engineering concepts into precise, production-ready digital schematics.

CYBERSECURITY



Applying security fundamentals to protect both business networks and physical manufacturing machinery from digital threats.

MATERIAL DESIGN & PRODUCTION



Utilizing next-generation materials and advanced fabrication methods to make military equipment stronger, lighter, and more resilient.

Let's build the Defense Manufacturing Workforce together. Connect with us to expand ManTech's workforce programming in critical technologies and regions.

MANUFACTURING TECHNOLOGY EDUCATION AND WORKFORCE DEVELOPMENT

Department of War Manufacturing Technology Program
Office of the Secretary of War | Undersecretary of War for Research and Engineering
For more information, visit www.DoDManTech.mil

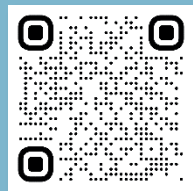


Explore our website
for more information
and updates



OSD ManTech M-EWD Focused on Mission Enabling Capabilities

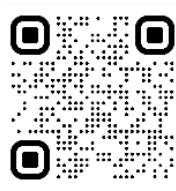
The M-EWD program provides strategic leadership in advanced manufacturing talent development across the organic and defense industrial bases in support of the DoW Mission to provide our Warfighters with what they need to deter and win wars.



Manufacturing USA is a national network that includes other branches of the federal government. This network was created to secure U.S. global leadership in advanced manufacturing through large-scale public-private collaboration on technology, supply chain, and education and workforce development.



AIM Photonics' workforce program aims to cultivate expertise in integrated photonics by offering specialized education, training, and hands-on experience to prepare individuals for careers in the photonics industry.



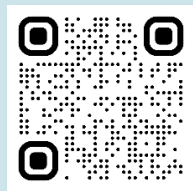
BioMADE's workforce program focuses on developing a skilled workforce in biomanufacturing through education, training, and collaboration with industry and academic partners to advance biotechnology and biomanufacturing capabilities.



America Makes' EWD efforts aim to build a strong talent pipeline in additive manufacturing (AM) to support the U.S. organic and defense industries.



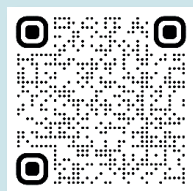
LIFT offers skilled trades certification courses in some of the most in-demand advanced manufacturing careers – right from its Learning Lab in Detroit and Puerto Rico.



Roboticscareer.org is a comprehensive platform designed to support individuals pursuing careers in robotics by providing access to various educational resources, including training programs and industry certifications.



MxD's Virtual Training Center offers interactive, self-paced learning modules and simulation-based training in digital manufacturing and cybersecurity, designed with industry experts to meet current standards and real-world challenges.



BioFabUSA is working to close educational skills gaps in tissue engineering and organ manufacturing through accessible educational and training opportunities.



NextFlex's training programs provide cutting-edge education and hands-on training in flexible hybrid electronics (FHE), aimed at developing a skilled workforce to meet the demands of this emerging technology sector.