



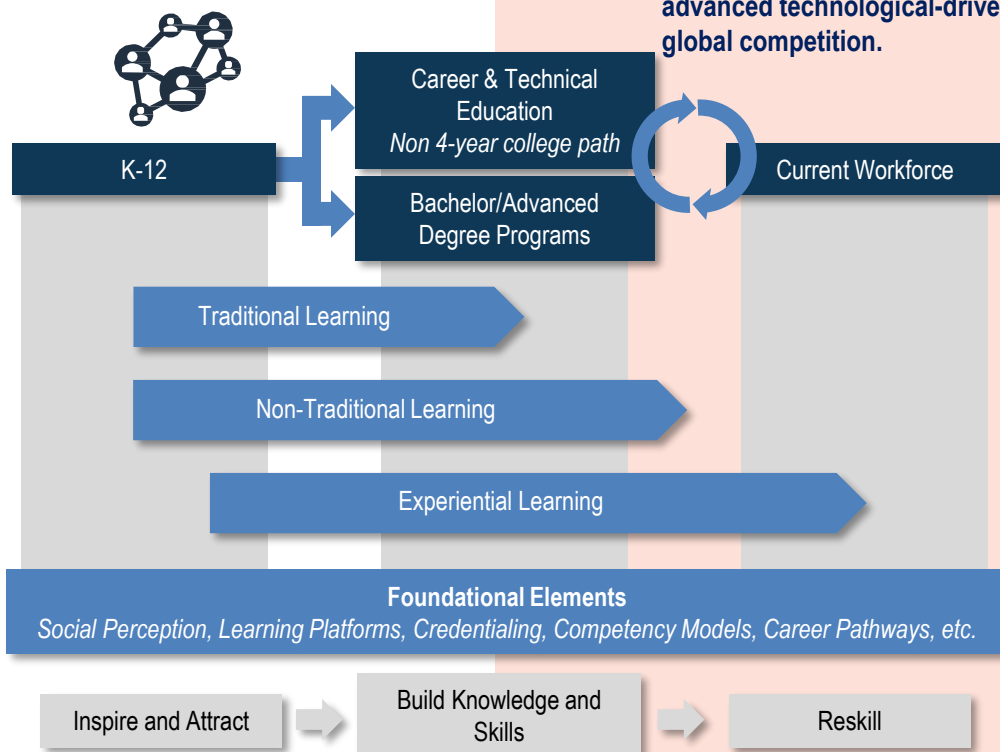
## DEPARTMENT OF DEFENSE MANUFACTURING TECHNOLOGY PROGRAM



# MANUFACTURING EDUCATION AND WORKFORCE DEVELOPMENT PROGRAM

## ABOUT

The Office of the Secretary of Defense's Manufacturing Technology (OSD ManTech) Program promotes advanced manufacturing technologies and processes by working together with other government agencies and private companies. OSD ManTech manages the Manufacturing Education and Workforce Development Program (M-EWD) and oversees the federal government's management of the eight Department of Defense Manufacturing Innovation Institutes (DoD MIIs). Each of these institutes is a public-private partnership that focuses on a specific area of advanced manufacturing technology.



## VISION



A robust, accessible workforce skilled in advanced manufacturing critical for producing and maintaining Warfighter systems, components, and supplies.

## MISSION



M-EWD works collaboratively across a network of internal and external industrial base stakeholders and educational sectors to provide DoD strategic guidance and investments for key workforce initiatives focused on sustained military advantage, supply chain resilience, and industrial readiness in an era of advanced technological-driven global competition.

## DOD MANUFACTURING INNOVATION INSTITUTES

DoD MIIs

### America Makes: National Additive Manufacturing Innovation Institute

Headquarters: Youngstown, OH  
Contact: [ewd@americamakes.us](mailto:ewd@americamakes.us)

### MxD: Digital Manufacturing and Cybersecurity Institute

Headquarters: Chicago, IL  
Contact: [mxdlearn@mxdusa.org](mailto:mxdlearn@mxdusa.org)

### LIFT: National Advanced Materials Manufacturing Innovation Institute

Headquarters: Detroit, MI  
Contact: [communications@almii.org](mailto:communications@almii.org)

### AIM Photonics: American Institute for Manufacturing Integrated Photonics

Headquarters: Albany & Rochester, NY  
Contact: [info@aimphotonics.com](mailto:info@aimphotonics.com)

### NextFlex: America's Hybrid Electronics Institute

Headquarters: San Jose, CA  
Contact: [WorkforceTeam@nextflex.us](mailto:WorkforceTeam@nextflex.us)

### Revolutionary Fabrics & Textiles Institute

Headquarters: Cambridge, MA  
Contact: [ewd@affoa.org](mailto:ewd@affoa.org)

### BioFabUSA: Advanced Regenerative Manufacturing Institute

Headquarters: Manchester, NH  
Contact: [ewd@armiusa.org](mailto:ewd@armiusa.org)

### The ARM Institute: Advanced Robotics for Manufacturing

Headquarters: Pittsburgh, PA  
Contact: [roboticscareer@arminstitute.org](mailto:roboticscareer@arminstitute.org)

### BioMADE: Bioindustrial Manufacturing and Design Ecosystem

Headquarters: Twin Cities, MN & Emeryville, CA  
Contact: [hello@biomade.org](mailto:hello@biomade.org)

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Department of Defense Manufacturing Technology Program  
Office of the Secretary of Defense | Under Secretary of Defense for Research and Engineering  
For more information visit [www.DoDManTech.mil](http://www.DoDManTech.mil)



Explore our website  
for more information  
and updates



## OSD ManTech M-EWD Focused on Mission Enabling Capabilities

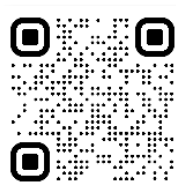
The M-EWD program provides strategic leadership in advanced manufacturing talent development across the organic and defense industrial bases in support of the DoD Mission to provide our Warfighters with what they need to deter and win wars.



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.



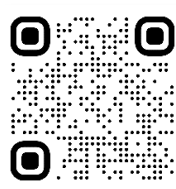
America Makes' EWD efforts aim to build a strong talent pipeline in additive manufacturing (AM) to support the U.S. organic and defense industries



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.