



Purpose

Diversified Manufacturing Technology (DMT) is a workforce training program that encompasses a range of knowledge and skills across a broad spectrum of manufacturing occupations. Students engage in the fundamental areas of manufacturing, such as safety, instrumentation, basic maintenance, lean manufacturing, machining, total quality management, production and precision measurement. Program participants have the opportunity to earn an OSHA 10-hour general industry certification, MSSC certified production technician certification, and 18 credit hours at Metropolitan Community College towards a degree or certificate in Process Operations Technology.

Contact Information



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Training the Workforce

Increasing Industry Productivity and Competitiveness



www.IMPACTNebraska.org/mcc.html

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Diversified Manufacturing Technology

Central • Metropolitan • Northeast • Southeast
Western Nebraska • University of Nebraska



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Opportunities through Diversified Manufacturing Technology

- A workforce training program that is aligned with the Manufacturing Skill Standards Council (MSSC) Certified Production Technician (CPT) certification and addresses industry needs in safety, quality, production processes, maintenance, and interpersonal skills.
- Offering multiple methods of delivery including hands-on labs, online coursework, 3D simulations, and training in a virtual reality setting.
- Providing soft skills training in areas such as teamwork, communication, and conflict resolution.
- Delivering contextualized remediation to enhance participants' fundamental reading, writing and math skills.



Top Industry Challenges

Diversified Manufacturing Technology Solutions

Challenges	Solutions
Highly skilled workers	The core certificate leads to multiple technical pathways.
Basic technical skills	Students are trained in core skills necessary to work in industry.
Essential non-technical skills	Instructors and coaches provide training on interpersonal skills.
General education skills	Coursework reinforces fundamental math, reading, and writing skills.
Filling open positions	The curriculum supports multiple paths for employment opportunities.
Perception of manufacturing	The project seeks to transform the public perception through outreach and innovative instructional activities.

Career Pathways

In industry, workers need to be knowledgeable in plant operations, human factors, and productivity. Diversified Manufacturing Technology offers education and training options for students choosing to continue in higher education.

Diversified Manufacturing Technology Program of study (each class is 4.5 credit hours)

PROT 1000: Introduction to Process and Power Operations
 PROT 1010: Safety Topics for Process and Power Operations
 PROT 1020: Introduction to Process Operations in Manufacturing Technology
 PROT 1030: Introduction to Quality and Continuous Improvement



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