

MICHIGAN
MANUFACTURING
TECHNOLOGY
CENTER



MANUFACTURE SMARTER.

NORTHERN MICHIGAN CERTIFICATE COURSE CATALOG

LEADERSHIP & WORKFORCE • INDUSTRY 4.0 • SIX SIGMA
PROJECT MANAGEMENT • LEAN • QUALITY MANAGEMENT
GD&T • BLUEPRINT READING • VIRTUAL CLASSES

• 2025 •

SCAN TO
VIEW ONLINE



YOUR JOURNEY TO

MANUFACTURE SMARTER

BEGINS RIGHT HERE

WITH US.





THE MICHIGAN MANUFACTURING TECHNOLOGY CENTER

has assisted Michigan's small and medium-sized businesses since 1991. Through personalized services to meet the needs of clients, we offer expert training and consulting in Growth Strategies, Operational Excellence, Leadership Development, Advancing Technology, Research Services and Food Processing.

MMTC is closely affiliated with the Michigan Economic Development Corporation (MEDC) with the shared goal of making Michigan businesses vibrant, driving GDP growth, and creating new and lasting jobs.

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WHO WE ARE

Since 1991, the Michigan Manufacturing Technology Center (MMTC) has been consulting with Michigan's small- and medium-sized manufacturers on how to compete and grow. Our team of experts are passionate about what they do and don't stop until the job is done. We've worked with thousands of manufacturers to diversify, get lean, and stay relevant. By continuing to work on projects with the same amount of passion, we will do our part to ensure the future of Michigan manufacturing for decades to come.

Today, the Michigan Manufacturing Technology Center is driving innovation and best practices to keep up with changes in the global economy through consulting services such as sustainability and workforce training, expertise in technology implementation, website development, and more. No other organization in the state of Michigan has the people, the experience, or the breadth of resources that we provide. We're strongly committed to our mission of working with manufacturers to thrive and prosper.

TRAINING LOCATIONS

CLASSES ARE HELD AT MULTIPLE LOCATIONS ACROSS NORTHERN MICHIGAN.

For company-specific training, a minimum of six participants is needed. For more information about services available at your organization, call 231.735.5029.

ACTIVE LEARNING MODEL

Build participant's confidence in their own abilities by using our exclusive Active Learning Model (ALM). Each learning objective uses activities to reinforce knowledge transfer. Participants will learn through face-to-face instruction, hybrid, or virtual courses.

MICHIGAN WORKS! & GOING PRO TALENT FUND

The Going PRO Talent Fund (GPTF) provides competitive awards to employers to assist in training, developing and retaining current and new employees. It helps to ensure Michigan's employers have the talent they need to compete and grow, and individuals have the skills they need for in-demand jobs. To begin the application process, companies must first contact their local Michigan Works! office to assess their talent skill gaps and determine if GPTF funding would be an appropriate solution.


NO SHOW/CANCELLATION/RESCHEDULING POLICY

ALL NO SHOW, CANCELLATION, AND RESCHEDULING CHANGES ARE SUBJECT TO THE FOLLOWING CONDITIONS:

1. Any training/consulting rescheduled, cancelled, or a no show less than fifteen (15) calendar days prior to its start date, will be 100% invoiced directly to the Client, due NET 30 from the date of invoice. MMTC will work with the Client to reschedule within thirty (30) calendar days.
2. No charges will be incurred for cancelled or rescheduled training/consulting by written notification more than fifteen (15) calendar days prior to the start date of training/consulting.

View MMTC's full Terms and Conditions policy at www.the-center.org/TOC.

This booklet reflects certificate courses offered by MMTC. For a complete schedule of courses for 2025, visit The-Center.org. All courses listed in this catalog include a certificate upon completion.

A photograph of three people in an office setting. A man with glasses and a beard is pointing at a tablet held by a woman. Another man is standing next to her, looking at the tablet. They are all smiling and appear to be in a collaborative work environment. In the background, there are computer monitors and office desks.

EMPLOYEE TRAINING AFFECTS YOUR COMPANY'S REPUTATION & BOTTOM LINE

The ongoing skilled trades employee shortage is causing many manufacturers to hire from outside of the industry, bringing in people without manufacturing skills or backgrounds. To ease workers' transitions into a manufacturing environment, a strong training program is essential. This is especially critical now as millennials make up a large part of the available workforce. To show your company is interested in investing in its employees, training is the answer.

Providing ongoing training to workers contributes to both improved employee engagement and productivity. This can greatly impact your bottom line since companies that invest in employee training achieve a 24% higher profit margin than those who don't.

With so much at stake, most companies cannot afford to neglect training for workers. Benefits of training include:

- **Training reduces stress and builds confidence.** Whether someone is completely new to manufacturing or simply trying to learn a new process within their facility, the effectiveness of their training will determine how well they perform. In fact, 74% of workers stated that lack of training was the biggest hurdle in achieving their full potential at work. By acquiring guidance and understanding through training, workers will be set up for success.
- **Improved confidence leads to better job satisfaction and production quality.** When workers are confident in their abilities, they become more engaged. This heightened engagement not only improves worker happiness but also can have massive impacts on quality and productivity.

- **Job satisfaction leads to improved employee retention.** To ensure talent stays within your company, training can help. As you continue to invest in the skills of workers, their job satisfaction increases thus eliminating their desire to look elsewhere for work. With 40% of workers leaving their jobs within the first year due to poor training, this aspect cannot be ignored.
- **Employee retention leads to more favorable company reviews.** By demonstrating that you care about your workers and investing in their professional development, workers will be much more likely to view your company in a favorable way. This will be reflected in employee surveys and workplace culture.
- **Favorable reviews attract more workers to your company.** When workers are happy with their company, they will likely spread the word to others – in person or on review sites such as Glassdoor and Indeed. By establishing a strong reputation as a company that invests in workers and wants them to grow and succeed, hiring efforts will be supported as candidates will view your company in a more favorable and desirable way.

A properly trained employee feels better about the job they are doing and produces quality work. When they produce quality work, they are more engaged in their job and motivated to improve the business as a whole. And just as one bad apple can spoil the basket, the opposite also is true: *happiness and engagement are contagious.*

WANT TO SCHEDULE A COURSE AT YOUR LOCATION? CALL 231.735.5029.

LEADERSHIP & TEAM SKILLS

APPLIED PROJECT MANAGEMENT

This 40-hour interactive course will equip participants to effectively plan, execute, and monitor strategic initiatives. It provides a controlled way to respond to strategic opportunities and market conditions; creates an environment of focused and open communication; provides visibility on project metrics to enable better decision-making and customer service; and accomplish more with less rework and waste. This course meets the educational requirements to sit for the Project Management Professional certification exam.

40 hours | \$2,000/person | In person or distance learning offerings

DiSC

DiSC is a personal behavioral assessment tool used to improve work productivity, teamwork, and communication. DiSC is non-judgmental and helps people discuss their behavioral differences. The following topics are reviewed in this class: Appreciate four different work styles and their characteristics, identify participant's own behavioral style and team members' different styles using the DiSC model, and how to improve communication using DiSC.

4 hours | \$300/person | In person or distance learning offerings

PRODUCTIVE CONFLICT

Productive Conflict Profile is a personal assessment tool used to identify how individuals tend to behave when faced with conflict situations. This class helps participants recognize their style as well as others and provides tools to make conflict situations more productive. This non-judgmental profile helps people discuss their behavioral differences and adjust their responses.

4 hours | \$325/person

EFFECTIVE MEETINGS

Become a more competent and confident leader in this activity-based training on how to plan and run a productive meeting. Improve the effectiveness of meetings and increase the value they contribute to your team and organization.

4 hours | \$200/person

FRONTLINE LEADER

The Frontline Leadership Series is designed to build essential skills for growing leaders. Each session in the series builds upon the last and is developed to provide learners with an understanding of the techniques and concepts related to that subject area. This is achieved through lively discussion, relevant case studies, practice, and hands-on experiential activities designed to support the leader's daily workplace environment.

16 hours | \$1,100/person | In person

12 hours | \$1,100/person | Distance learning

GET MORE DONE

In this class, we will review the core principles in *Getting Things Done: The Art of Stress-Free Productivity* by David Allen, as well as the technologies that compliment his model. Get ready to start on a new path to effectiveness!

3 hours | \$200/person | In person or distance learning offerings

INTRODUCTION TO FINANCE FOR NON-FINANCIAL MANAGERS

Empower individuals to take action and improve the business by understanding financial impacts. This course exposes non-financial Managers to financial concepts that are relevant to managing any type of business. The key concept is that managers make daily decisions that impact the financial health of the business and therefore need to understand the basics of financial management.

4 hours | \$200/person

LEADERSHIP DEVELOPMENT SERIES

This program is designed to meet the needs of developing leaders and supervisors with flexible content based on their organizational needs. It will help your leaders to become more competent and confident resulting in improved employee engagement, and satisfaction, a more productive workforce and reduced turnover. Following our Active Learning Model learners practice skills in class and between classes apply their learning to the workplace with through simple assigned tasks. This routine of learn, practice, apply is supported through expert one-on-one coaching.

25 hours | \$1,800/person

MYERS BRIGGS TYPE INDICATOR (MBTI)

The Myers-Briggs Type Indicator (MBTI) is personal behavioral assessment tool designed to help individuals understand their own communication preference and how they interact with others. Having an awareness of what MBTI is can help you adapt your interpersonal approach to different situations and audiences.

8 hours | \$600/person

TEAM BUILDING ACTIVITIES

Participants will learn improved teamwork through multiple activities that engage team behaviors helping them identify effective and ineffective behaviors. These activities metaphorical and intended to encourage teamwork as well as build positive connections among co-workers.

There are many options for you! Please contact us for pricing.

**NEW CLASSES/DATES ARE ADDED FREQUENTLY. For a schedule of all 2025 courses, visit The-Center.org.
WANT TO TAILOR TRAINING TO ADDRESS BUSINESS NEEDS? Contact your Business Solutions Manager.**

LEADERSHIP & TEAM SKILLS

STRATEGIC PLANNING & DEPLOYMENT

Strategic Planning and Deployment is a systematic process that capitalizes on your single most asset, the talent of your people. Our process begins with reviewing or establishing agreed upon terminology to focus conversations, followed by creation or review of your Mission, Vision and Values. We engage stakeholders through various processes, which can include focus groups, surveys, facilitated sessions, SWOT analysis and routine check meetings depending on your organizational needs. We help you focus on three to five major strategies outlined in a one-page plan (A3 format). The overall strategic plan and related specific action plans or projects are vetted and then checked through a routine process of check meetings for continual update and recalibrating.

Please contact us for pricing.

TRAIN THE ON-THE-JOB TRAINER

Retention and outcomes of organizational knowledge and skills can be dramatically improved by the method with which they are taught. This on-site training uses the six step Active Learning Model to create a hands-on learning environment. Our focus is on making your training more effective by building confidence in your staff's abilities to facilitate trainings.

8 hours | \$600/person

TRAIN THE TRAINER

Retention and outcomes of organizational knowledge and skills can be dramatically improved by the method with which they are taught. This course uses the six step Active Learning Model to create a hands-on learning environment. Our focus is on making your training more effective by building confidence in your staff's abilities to facilitate trainings.

8 hours | \$600/person

TRAIN THE ONLINE TRAINER

Retention and outcomes of organizational knowledge and skills can be dramatically improved by applying the Active Learning Model to any type of training and coaching. This virtual training uses the six step Active Learning Model to create a hands-on learning environment. Our focus is on making your training more effective by building confidence in your staff's abilities to facilitate trainings.

6 hours | \$600/person | Distance learning

CONTINUOUS IMPROVEMENT & LEAN SOLUTIONS

8D PROBLEM SOLVING

The purpose of this 8-hour hands-on training is to establish a standard work process to increase the effectiveness of problem-solving efforts. Participants complete activities using a case study and real-life examples to receive their certificate.

8 hours | \$400/person

A3 PROBLEM SOLVING

Learn the tools necessary to tackle any problem that arises at your organization. This training is designed to give you hands-on experience utilizing a structured problem-solving process based on A3 thinking and the Plan-Do-Check-Act methodology. Designed for employees who are expected to participate in their organization's problem-solving activities or lead a problem-solving team.

8 hours | \$400/person

DIGITAL 5S

This teaches participants to establish and maintain an effective and efficient document filing system. Participants will practice with planning and executing tools as well as apply sustaining tools. All organizations deal with a combination of hardcopy data and electronic files and creating a paperless office can be challenging when your electronic filing system is not organized or well maintained. This Active Learning Model (ALM)-based course will guide the development of a document management system to help your organization reduce errors and cost associated with poor file management practices.

8 hours | \$400/person

LEAN HEALTHCARE SIMULATION

Learn to cut waste and cost out of your office processes. With our hands-on Active Learning Model®, you will acquire awareness of foundational lean principles and tools to help foster continuous improvement in your organization. Led by a certified lean professional, this training will provide a brief overview of core Lean principles including the eight wastes, value stream mapping, problem solving, and basic process improvement tools.

4 hours | \$200/person

LEAN MANUFACTURING CHAMPION WITH KAIZEN

This 96-hour hands-on, interactive course will equip participants to effectively lead lean projects in their workplace. Participants directly apply their learning to mini projects in their workplace and complete an overall company project for presentation at course completion to gain their certification.

96 hours | \$4,200/person

WANT TO SCHEDULE A COURSE AT YOUR LOCATION? CALL 231.735.5029.

CONTINUOUS IMPROVEMENT & LEAN SOLUTIONS

LEAN MANUFACTURING PRACTITIONER

This interactive course will equip participants to effectively implement lean concepts where the work is done and to be an effective member of a lean continuous improvement culture.

28 hours | \$2,000/person

LEAN MANUFACTURING PRACTITIONER TO CHAMPION STEP UP CERTIFICATION WITH KAIZEN

For participants who have taken the Lean Manufacturing Practitioner, this course will equip participants to effectively lead lean projects in their workplace and therefore complete a Lean Manufacturing Champion certification as a "Step Up" program. Participants directly apply their learning to mini projects in their workplace and complete an overall company project for presentation at course completion to gain their certification.

64 hours | \$3,200/person

LEAN OFFICE CHAMPION WITH KAIZEN

This hands-on, interactive course will equip participants to effectively lead lean projects in their workplace. Participants directly apply their learning to mini projects in their workplace and complete an overall company project for presentation at course completion to gain their certification.

96 hours | \$4,200/person

LEAN OFFICE PRACTITIONER

This 28-hour interactive course will equip participants to effectively implement Lean concepts in an office setting where the work is done and to be an effective member of a Lean continuous improvement culture.

28 hours | \$2,000/person

LEAN SIMULATION (MFG/OFFICE/5S)

This interactive course will equip participants to effectively begin a journey toward implementation of lean concepts. The course is conducted in a simulated work environment that will teach the origins of lean and how the methodology can drastically impact cultural and financial performance of an organization.

4 hours | \$200/person

LEAN SIX SIGMA YELLOW BELT

Lean Six Sigma Yellow Belt (LSSYB) training develops the skills of the professional who participates as a supporting team member in a variety of Six Sigma projects. Upon class completion, a LSSYB will understand the broad aspects and foundational elements of Lean Six Sigma methodology. Learn to implement, perform, interpret and apply Lean Six Sigma principles in a skilled, yet limited, context.

24 hours | \$1,495/person

VALUE STREAM MAPPING CURRENT AND FUTURE STATE (MFG/OFFICE)

This 16-hour program is an interactive facilitation and uses a case study and hands-on creation of a Current and Future State Value Stream Map (VSM). A VSM visually depicts the product flows and identifies where waste, errors, and delays occur allowing the team to develop a plan to remove these impediments to flow. It allows an organization to discover wasted time, steps, and activities in their current flow and develop a vision of improved material and information flows.

1. The purpose of the current state map is to develop capability to "see" the waste in a production process from raw material to finished goods.
2. The purpose of the future state map is to communicate a vision to guide improvement activities.

16 hours | \$800/person

TECHNICAL SKILLS

BLUEPRINT READING

How to interpret a technical drawing is an essential skill to anyone involved in the manufacturing industry, especially prior to learning GD&T. This course is designed for those who need an introduction to drawing interpretation.

16 hours | \$1,200/person

GD&T

Need a basic understanding of GD&T? This course provides an overview of the GD&T system, proper identification and call out of datum features, and the effect of modifiers, especially MMC. Attendees will also learn how GD&T saves money over traditional tolerances and how to interpret the 14 symbols.

16 hours (four, 4-hour sessions) | \$1,500/person

MEASUREMENT SYSTEMS ANALYSIS

This interactive course equips participants with a mathematical method of determining how much the variation within the measurement process contributes to overall process variability.

8 hours | \$400/person

STATISTICAL PROCESS CONTROL

Equip participants with the knowledge and skills needed to complete basic Statistical Process Control activities. Discussions and exercises involving various variable and attribute charting, and the basics of chart interpretations are involved in this training.

8 hours | \$400/person



JOIN THE CONTINUOUS IMPROVEMENT GROUP

DEVELOP A CULTURE OF CONTINUOUS IMPROVEMENT

MMTC's Continuous Improvement Group (CIG) is a membership group whose mission is to develop a culture of continuous improvement and respect for people in their organizations. Within the group, members will grow personally as leaders in continuous improvement through the development of their capabilities, network and career. The growing membership of the CIG provides great networking and B2B opportunities. Members can attend top-notch training events with concepts that are directly applicable to the workplace.

As an additional learning opportunity, concepts will be applied to an operational environment with hands-on events where CIG members can directly benefit through team projects that teach tools to improve a business's ability to accomplish its mission.

WHAT'S INCLUDED IN YOUR MEMBERSHIP

CIG membership is \$450 annually and includes:

- Two attendees per company
- Four quarterly on-site events in the Upper Peninsula and four quarterly on-site events in northern Michigan
 - Includes a best practice facility tour
- Four continuous learning events
 - Includes virtual or in-person learning activities combined with group planning/input meetings

JOIN TODAY!



Scan this QR code or visit:
www.the-center.org/events

For questions, email Martina Scholl-High at mscholl-high@the-center.org.

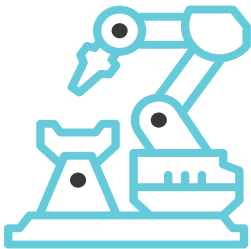


OUR

SERVICES

Michigan Manufacturing Technology Center (MMTC) is here to help your business excel. We offer personalized consulting services that will enable manufacturers to work smarter, compete and prosper. If you are interested in these services, please contact us at The-Center.org/Contact-Us or 231.735.5029.

INDUSTRY 4.0



As manufacturing is advancing, MMTC doesn't want Michigan manufacturers to get left behind. Our free Technology Opportunity Assessment allows manufacturers to know where automation can help. MMTC experts will come on-site to work with you in a personalized capacity to enable your company to identify technologies that will provide maximum improvements and return on investment. We will also support you throughout the implementation process to ensure a smooth transition.

STRATEGIC PLANNING & DEPLOYMENT



This 36-hour, interactive facilitation uses the Lean Methods Group approach with a set of tools allowing you to assess your organization's current state, set direction, and manage your path with visibility, engagement and accountability. Tools provide a controlled way to respond to strategic opportunities and market conditions; to create an environment of focused and open communication; and to provide visibility on metrics and enable better decision-making with less rework and waste.



PERFORMANCE BENCHMARKING

Competitive analysis is often performed when evaluating how an organization performs side by side to its competitors. At MMTC, we have an assessment called Performance Benchmarking which is just that, but for Michigan manufacturing organizations. This tool is only one part of a much larger assessment called the Transformation Planner. The benchmarking assessment compares your organization against other organizations in the industry. Here you can get a better understanding of where your strengths and weaknesses lie. This assessment well can also answer your questions like “What should we be doing?,” “What are we doing right?” and “What could be improved?”



TRANSFORMATION PLANNER

Lowering costs and increasing profits while improving processes is what all manufacturing organizations strive to accomplish. However, understanding how to formulate a plan to make these goals a reality can pose many challenges. At MMTC, we have a staff of experienced consultants ready to help your organization create a manufacturing operational improvement process, known as the Transformation Planner. Not only does the Transformation Planner identify manufacturing operational improvement opportunities but helps to calculate the financial benefits based on current position and future targets.



CONNEX[™] MICHIGAN

AN ADVANCED SUPPLY CHAIN TOOL FOR MICHIGAN MANUFACTURERS

CONNEX[™] Michigan is a FREE, cloud-based platform that centralizes the Michigan supply chain network into a searchable database. Sponsored by the Michigan Manufacturing Technology Center and supported by the MEDC, CONNEX[™] is designed to be the premier system for domestic supply chain sourcing and networking. CONNEX[™] offers:



Powerful search capability. Use search filters to connect based on exact needs.



Business recovery & resilience. Immediate access to suppliers and supply chain partners.



Supply chain optimization. Find suppliers and highlight risks within your supply chain.



Business development. Highlight your assets, certifications, capabilities and other industry information to help manufacturers find you.

*To learn more about CONNEX[™] Michigan,
contact CONNEX@the-center.org.*

SCAN TO
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YOUR MICHIGAN
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BUSINESS SOLUTIONS
MANAGER.

MARTINA SCHOLL-HIGH

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Northern Michigan Office*

The-Center.org

9/2024-v1

CONNECT WITH US

ANYWHERE, ANYPLACE, 24/7

Connect with the Michigan Manufacturing Technology Center online to find opportunities for networking, knowledge sharing with peers, upcoming events and the latest in manufacturing news.

MANUFACTURE SMARTER BLOG

From Lean Manufacturing to Six Sigma, our blog delivers the latest manufacturing topics and trends from industry experts. Subscribe at The-Center.org/blog.

LINKEDIN

Connect with us in a professional setting, gaining access to up-to-date industry news, training and job opportunities.

FACEBOOK

From manufacturing tips and news to courses, events and discounts, MMTC's official Facebook page has it all. 'Like Us' and join the conversation!

INSTAGRAM

Follow us on Instagram to see manufacturing in action.

SCAN & STAY
CONNECTED:

