

Join us for our Lean Certificate Program today! Advanced Manufacturing (Lean) Practitioner II Certification

Purdue University Technical Assistance Program (TAP) Manufacturing Assistance Partnership (MEP) can help you prepare to be part of the next generation of Indiana Workforce. Learn additional principles and techniques of Advanced Manufacturing and earn your (Lean) Practitioner II Certification. Hear from Manufacturing Specialists, working in industry daily, what it is about Lean that makes work rewarding and at the same time profitable and enduring.

Advanced Manufacturing (Lean) Practitioner II – Certificate

- 8 hrs - Cellular Flow Manufacturing
- 8 hrs - Pull / Kanban Systems
- 8 hrs - Standard Work /Error Proofing
- 8 hrs - Advanced Problem Solving
- 8 hrs - Kaizen Event Facilitation
- 40 hrs- Total



Upon successful completion each attendee receives a Purdue University Advanced Manufacturing Certificate. This certificate is based on the National Institute of Standards and Technology's (NIST) prescribed tools and training methods, a widely accepted national standard in workforce development, and is offered in Indiana only through Purdue University .

If utilizing DWD funds approval must be gained from your local office prior to registering for a workshop. These workshops are listed in the Indiana Department of Workforce Development Database of Education and Training Sources: GO TO <http://www.in.gov/dwd/> On the left side under PARTNERS click **WORKFORCE SERVICES** select 4th choice middle of the page **EDUCATION AND TRAINING CHOICES**. Search the site under **PROGRAM NAME:** Lean Manufacturing/Office Series or **Program ID:** 6488

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Course Descriptions:

Cellular Flow Manufacturing

Discover how to link and balance operations to reduce lead times, minimize WIP, optimize floor space usage and improve productivity using a five-step process for designing and implementing work cells.

Pull/Kanban Systems

Control resources in a production process by replacing only what has been consumed. Applies principles of Pull System/Kanban in a life-like simulation and demonstrates how principles can be applied to a variety of situations.

Standard Work

Provides you with the information and practice you need to participate in implementing standardization and standard work in your workplace. This workshop presents an approach to implementing standardization and standard work methods designed to eliminate waste from production processes. The methods and goals discussed in this workshop are closely related to the lean manufacturing system.

Error Proofing

Using simple, usually low-cost devices, fixtures, and procedures to reduce/eliminate errors. Stops errors before defective parts are created. Frees up the need for human vigilance and memory.

Advanced Problem Solving

Provides the background and skills necessary to lead an effective, structured, team-based, analytical approach that detects potential problems and thus alleviate chronic failure problems within an organization. Learn how to apply several techniques to detect, identify, analyze and solve performance problems by understanding variation, and uncover root causes and apply the Lean Six Sigma DMAIC problem solving approach.

Kaizen Event Facilitation

Kaizen means "continuous improvement". This continuous improvement methodology combines Lean Manufacturing Tools such as the 5Ss of Workplace Organization and Standardization, Cells, Pull/Kanban, Set-up Reduction, and Line Balancing. Each tool incorporates team empowerment, brainstorming, and problem solving to rapidly make improvements to a specific product or portions of work processes.

Price: For complete five-day certificate program is \$1475. Individual workshops \$295.

To Register: Workshops are being scheduled in your area. For a complete listing go to: www.purdueMEP.com/events. Registration information is available at this site.

For More Information: E-mail MEPworkshops@purdue.edu or call (800) 877-5182 ext. 620.

How We Can Work With You: In addition to our certificate programs, Purdue University's Manufacturing Extension Partnership offers on-site public workshops and provides implementation and consulting services.

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