

Join us for our Lean Certificate Program!

Advanced Manufacturing (Lean) Practitioner I Certificate

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 the principles and techniques of Advanced Manufacturing (Lean). 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 I Certificate

- 8 hrs - Principles of Lean Manufacturing with simulation
- 8 hrs - 5S the Visual Workplace with simulation
- 8 hrs - Total Productive Maintenance with simulation
- 8 hrs - Value Stream Mapping with simulation
- 8 hrs - Quick Change Set-up Reduction with simulation
- 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.

"This Purdue TAP/MEP partnership changed the thinking in improvement and to better understand the waste people don't normally see. It helped us tremendously in the changeover as we examined our processing to combine the two plants. As more of our customers become Lean, they want just-in-time delivery on products, and it's difficult to do that offshore. This will help keep us competitive and on the cutting-edge in this global marketplace as a longstanding and viable business to support the community of Pierceton."

- Todd Urig, Director of Operations, OMCO

Course Descriptions:

Principles of Lean Manufacturing 101 Workshop

An all-day, high energy, fast-paced presentation, in tandem with hands-on simulation activities so participants learn what advanced manufacturing is all about; identify the eight wastes in manufacturing and ways to reduce them.

5S System – The Visual Workplace

Experience how the 5S System reduces waste in a simulated production facility. Participants learn the concepts of the 5S System and then apply them to transform a cluttered, disorganized production area into a clean, organized and orderly workplace.

Principles of Value Stream Mapping (VSM)

Learn how to create a value map of your current- and future-state processes. Understand the total flow of the value stream, see the sources of waste, determine common language about the process, show linkage of information and process, develop an improvement plan, and prioritize activities.

Quick Changeover/Set-up Reduction

Learn the fundamentals of set-up reduction in applying quick-change thinking to any type of setup or industry. Focus on attaining quick changeover through the systematic elimination of the internal components while streamlining the final procedure.

Total Productive Maintenance

Gain knowledge of Overall Equipment Effectiveness (OEE) and how it relates to capacity. Apply TPM principles and techniques to equipment in a hands-on simulation and experience how applying TPM can achieve dramatic improvements in uptime and increased capacity.

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.mep.purdue.edu/events.

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 public workshops and provides on-site implementation and consulting services.

Purdue Manufacturing Extension Partnership

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