Taught using a proven combination of classroom discussion, group activities, case studies, simulations and in some cases, hands-on application of the techniques, these courses provide solid, useful information you can immediately apply upon return to your facility.

Elevate your skills. Improve organizational performance.
The Lean Manager Certification Program (LMAC) is a fully accredited program designed for middle and top-level executives who want to drive lean principles throughout their organizations. LMAC is an intensive and interactive program that teaches a carefully sequenced arrangement of lean concepts and techniques. Simulations, group exercises, problem-solving discussion sessions and shop floor application exercises transform theory into reality and education into implementation. With an instructional design similar to a Six-Sigma Black Belt Certification Program, the Lean Manager Certification Program will transform your career and the future prospects of your company.

**SPRING 2016 / FALL 2016 PROGRAM** Columbus, OH

**SPRING 2016**
- Week 1: March 7-11
- Week 2: April 4-8
- Week 3: May 2-6
- Week 4: June 13-16

**FALL 2016**
- Week 1: Sept. 12-16
- Week 2: Oct. 10-14
- Week 3: Nov. 14-18
- Week 4: Dec. 12-16

Week One
- **PLAN**
  - Mon. Introduction DNA of Lean Strategic Thinking
  - Tues. Strategy Deployment Project Management QRMIC
  - Wed. Value Stream Management
  - Thurs. Six Sigma (OMAC, ESOP)
  - Fri. Project Charter Work in Review Quiz & Homework

Week Two
- **PILOT**
  - Mon. Homework Reports Visual Workplace
  - Tues. Quick Changeover Mistake - Proofing
  - Wed. TPM Overview
  - Thurs. Plant Application
  - Fri. Project Roundtable Week in Review Quiz & Homework

Week Three
- **DEPLOY**
  - Mon. Homework Reports Kanban Pull Production
  - Tues. Standard Work and Flow
  - Wed. Plant Application
  - Thurs. 3P (Production Preparation Process) Green in the Workplace
  - Fri. Lean Measurables Week in Review Quiz & Homework

Week Four
- **INTEGRATE**
  - Mon. Lean Logistics Lean Supply Chain
  - Tues. Lean Finance Lean Leadership Final Project Prep.
  - Wed. Final Project Reports Program in review, Exam preparation
  - Thurs. Final Exam Graduation Dinner

The Lean Manager Certification Program (LMAC) is a fully accredited program designed for middle and top-level executives who want to drive lean principles throughout their organizations.

“I have ever taken and I can’t tell you how much I have learned. I knew a lot of the lean tools, but was not sure how or when to properly use them. I now also have so many new tools that I did not know about before this course. All the instructors have been great also! Productivity Inc. is loaded with talented people who are great teachers. I feel so much more valuable to my company. I will let them know that this is money well spent, and recommend we send more employees.”

—Bob Wasilewski, Crew Supervisor, ATI Metals

**Graduates of the Lean Manager Certification are able to:**

- Lead an organizational Lean implementation
- Perform value stream assessments and baselining
- Act as principal change agent
- Coach project leaders, area managers, and supervisors in specific tools and methods
- Plan and lead a site-specific operations improvement initiative
- Mentor project and natural work teams
- Coach and mentor suppliers’ change agents in addressing critical quality and delivery problems

To register or for additional information visit www.productivityinc.com.
The Lean Manager Certification Program for Administrators and Service Industry Professionals

Winter 2016 Program

Week 1: February 8-12, 2016
Week 2: March 7-11, 2016
Week 3: April 4-7, 2016

Columbus, Ohio  (Participants must attend all three weeks)

A three-week, fully accredited certification program specially designed to develop critical thinkers with the lean skills to:

- improve customer service and satisfaction
- reduce complexity and variability
- increase flexibility and speed
- improve productivity—do more with current resources

Lean Manager Certification for Services (LMAC Service) program shows administrative and service industry professionals how to achieve sustainable improvement in organizational performance and capability.

Developed for senior and middle managers, LMAC Service is a highly competitive, interactive program that develops lean transformation managers, not simply project managers. Over three non-consecutive weeks, participants experience a series of learning modules focused on defining current state, deploying lean methods & developing a culture of improvement. Between training weeks, participants apply lean principles in processes at their own organizations and present their process and results to the class during subsequent training weeks.

For...

- Insurance
- Banking
- Manufacturing support services
- Retail
- Healthcare administration
- Laboratories
- Government / Non-profit
- Human Resources

Columbus, Ohio  (Participants must attend all three weeks)

Customer Service
Marketing
Accounting
Research & Development
Information Technology
...and more

The combination of classroom discussion, group exercises, simulations, case studies, and hands-on application help you transform theory into reality and educational lessons into practical experiences.

Participants who successfully complete the three-week training and mentoring program, demonstrate successful application in their own organization, and pass the certification exam are certified as Lean Managers and earn 12 CEUs.

Gain the know-how, confidence, and problem-solving skills you need to drive waste from your processes and boost enterprise-wide performance. Become a Lean Manager!

The Lean Manager Certification Program for Administration and Service Organizations is a Productivity Inc./Ohio State University, Fisher College of Business program. For more information visit our website www.productivityinc.com.
LTAC is a powerful training that will teach you how and where to start your Lean journey and help you build the skills and confidence to make a difference in your organization. Through a combination of classroom lecture, group activities and simulations, the Lean Tool Awareness Certificate Program focuses on providing an understanding of Lean processes, tools and philosophy so you can develop strategies for implementation at your site.

**Program Curriculum**

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<td>The Visual Workplace</td>
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<td>Value Stream Management</td>
<td>Total Productive Maintenance</td>
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“I came with questions about the value. What could I get here that wasn’t already in a book? I left with a great appreciation for the course and truly feel its value exceeds the cost of attending.”

Christopher Adams, Manufacturing Engineer, Gorbel, Inc.

**Manager of Maintenance Improvement Certificate**

**April 25-29, 2016 • Columbus, Ohio**

This program has been designed to provide you with nine essential tools for managing and improving your maintenance process. This fully accredited program teaches maintenance leaders the foundational tools needed to establish a world-class maintenance program. Chances are you already know you must do something to improve the reliability of your equipment, but you may not know exactly what to do or how to get started. This event will provide you with the answers and direction you need.

**Program Curriculum**

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<td>The Zero Failure Principle</td>
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<td>Maintenance Planning and Scheduling</td>
<td>Setting Standards &amp; Leading the Effort</td>
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<td>Establishing Key Maintenance Metrics and Measures</td>
<td>The Waste Proof PM Process</td>
<td>Machine Failure Analysis</td>
<td>Managing the Storeroom &amp; Spare Parts</td>
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“Very useful. It will change our approach to maintenance improvement.”

James Martin, Operations Improvement Manager, Allnex

These one-week certificate programs are held on the campus of The Ohio State University.

For more information, visit our website [www.productivityinc.com](http://www.productivityinc.com).
An intensive learning experience designed to teach the principles of Autonomous Maintenance through a combination of classroom learning and hands-on implementation.

This Maintenance Miracle Kaizen Event is not an awareness course, but a hands-on training in a proven methodology for the successful implementation of an autonomous maintenance (AM) effort.

In this 3½ day event, participants will gain exposure to Total Productive Maintenance, an eight pillar team-based approach to total equipment care, and learn about its vital role in a successful lean operation. Participants will deep-dive the seven step autonomous maintenance process that is the focus of the event.

What past participants had to say about A Maintenace Miracle:

In the 40 years of maintenance this was the one to attend.
John Akins, Maintenance Team Manager, Sun Products Corp.

Excellent job by the instructor. The host plant was great.

Very good in applying principles of TPM and emulating the process in a manufacturing environment—hands on. Re-emphasizes the importance of the “human factor” in attaining reliability.
Tim Davis, Engineering Manager—Continuous Improvement, Ventura Foods

This was an enlightening and educational experience. I feel like this process can lead and will lead to greater productivity and efficiency.
Jay Rivers, Machinist, Joy Global

Very instructive and well-run event. Having the ability to implement the tools we were learning created an ideal platform to learn the principle to applying TPM in our own facility.
Monte Goins, TPM Process Technician, Crown Equipment

I’ve learned it is way cheaper to be proactive.
Jeff Pleinis, Turning Center Lead, Goodrich

Joy Global Inc. is a worldwide leader in high-productivity mining solutions. Through its market-leading Surface and Underground Business Segments, Joy Global manufactures and markets original equipment and aftermarket parts and services for the mining industries. Their products and related services are used extensively for the mining of coal, copper, iron ore, oil sands, gold and other mineral resources. They pride themselves on providing a full range of value-added aftermarket services, and are committed to assisting their customer’s mine ores and minerals at the lowest possible cost. To achieve these objectives, they use a Life Cycle Management Strategies (LCMS) approach, which places the highest value on continuous and exceptional customer support. They continually implement programs and initiatives that will make them a more efficient and effective business. These are not just programs, but are part of their core values and therefore represent their focus on things that matter.

Joy Global Longview Operations began their lean journey in 2010 with the implementation of a mixed-model assembly line for their Wheel Loader Products. The mixed-model assembly line consists of cellular designed sub-assembly cells feeding a main line through systematic pull signals. Since the completion of the assembly line a value stream approach has been taken to improve all feeding work centers. As a result of all these plant-wide continuous improvement efforts, they have seen a 40% reduction in total lead time for Wheel Loader Products. The core competencies of the Longview facility consist of Heavy Fabrication, Machining and Assembly.
Working in concert with the Fisher College of Business at The Ohio State University, Productivity has combined more than 30 years of TPM experience with the resources of one of the top business schools in the country to create the Total Productive Maintenance Manager Certification Program.

This certification program will teach you how to implement TPM cost effectively. The program is designed for individuals charged with systematically improving the maintenance process and overall equipment reliability. You’ll see the benefits in reduced downtime, better yield, more reliable quality and increased product going out the door.

“The TPM Certification Program was one of the most rewarding accomplishments of our professional careers. It has given us the knowledge, skill, and inspiration needed to make positive changes in the way maintenance is carried out at Miba.”
- Troy Adams and Brent Graham, Production Support Engineers, Miba Bearings U.S.

Participants will gain a solid knowledge of the eight pillars of TPM and will be able to:

- establish and customize an internal TPM Implementation strategy
- properly use machine performance data to identify and execute a Tactical Action Plan for success
- justify and implement a complete maintenance planning and scheduling process
- conduct and lead Autonomous Maintenance kaizen events
- design and perform site-specific TPM Auditing
- establish baseline data collection and understand the use of the OEE metric
- understand the need for and conduct breakdown analysis reviews
- organize and control spare parts
- use the principles of the Early Equipment Management process

TO REGISTER or for more information visit our website www.productivityinc.com

The TPM Manager Certification Program is a Productivity Inc./Ohio State University Fisher College of Business Program.
For complete details on all of Productivity’s public events, consulting and training services, visit our website at www.productivityinc.com or give us a call at (203) 225-0451 or (800) 966-5423.

On-Site Consulting

On-Site Training

Productivity’s Healthcare professionals have worked alongside providers, administrators, and payers to improve unique patient-care value streams. Productivity will customize an approach to build and integrate these capabilities in your organization. Our patient focused process improvement practices have been used in hospitals, clinics, insurance, and government sources to discover and remedy systemic causes resulting in measurable patient-care improvements.

For more information visit www.productivityinc.com/innovation/

Productivity Healthcare Solutions

Bringing Lean Techniques to the Healthcare Industry

Productivity’s Healthcare professionals have worked alongside providers, administrators, and payers to improve unique patient-care value streams. Productivity will customize an approach to build and integrate these capabilities in your organization. Our patient focused process improvement practices have been used in hospitals, clinics, insurance, and government sources to discover and remedy systemic causes resulting in measurable patient-care improvements.

For more information visit www.productivityinc.com/operational-excellence/lean-healthcare/
Learn the skills you need to succeed.

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- Lean Manager Certification
- Lean Manager Certification for Services
- TPM Manager Certification
- Lean Tool Awareness Certificate
- Manager of Maintenance Improvement Certificate
- A Maintenance Miracle
- And more!

www.productivityinc.com