



Lean Enterprise Certificate Program

Develop Internal Lean Champions!

Sep 6, 20; Oct 4, 18;
Nov 1, 15, and 29, 2016
Longview, Washington

Companies that realize sustained success implementing Lean know that developing their employees' capabilities to lead continuous improvement efforts is key to that success. The **Lean Enterprise Certificate Program** arms participants with demonstrated understanding of the Lean Body of Knowledge, and provides them hands on practice applying Lean tools and strategies.

Benefits to an Organization

- Development of Internal Lean Champions
- Enables employee involvement in sustained continuous improvement
- Helps an organization build a Lean Transformation

The Program

- 7 days of instruction spaced approximately two weeks apart and including the SME exam day.
- Provides Lean training and experience to those individuals who then can play the roles of "Lean Champions" for their organizations with a curriculum comprised of 32 hours of classroom and 24 hours of project application. Participants earn a certificate of completion.
- The training will be combined with tours of local companies employing best practices in order to demonstrate and visualize Lean techniques in practice.
- Participants receive and must read the following texts: Lean Thinking by James Womack and Daniel Jones, Gemba Kaizen by Masaaki Imai, Lean Production Simplified by Pascal Dennis and Learning to See by Mike Rother and John Shook. An additional text, Toyota Kata, by Mike Rother is also included. In addition, instructional manuals that reflect the classroom presentations will be provided.
- A three-hour test from the Society of Manufacturing Engineers based on the instructional material and the required texts is administered at the end of the program where participants demonstrate understanding of the Lean Body of Knowledge. This certified test completion along with additional project hours can be applied towards a Bronze Level Certification, and career progression for silver and gold certification (listed at www.sme.org).

Each Lean Enterprise Certificate Program (LECP) participant will:

- Have demonstrated knowledge of the Lean Body of Knowledge
- Apply their learning to their organization with a practicum project
- Go back to their organization equipped to help champion continuous improvement



LECP certified students are those who have successfully met the LECP requirements of reading the 4 prescribed books, completing 5 days of theory and simulation training, performing a minimum of 24 hours of work on an internal Lean project, and successfully completing SME's Bronze test. Successful completion of the test is the first step in going on to meet the requirements of SME's Bronze, Silver and Gold certification requirements.

\$1995 per participant inclusive of texts, manuals, and SME Bronze exam. Lunch provided.

LECP Curriculum

Day 1	Introduction to LEAN Manufacturing. This consists of an introductory seminar combining the theory of LEAN Manufacturing with a live simulation that incorporates and applies the theory.
Day 2	Introduction to the Theory of Value Stream Mapping, Workplace Organization and Standardization, 5-S and Cellular Flow, LEAN Applied in Office Environments.
Day 3	Set-Up Reduction/Quick Changeover, Pull/Kanban and Total Production Maintenance, LEAN Champion Development, Kaizen Event Planning.
Day 4 and 5	Problem Solving, Process Design, Quality, Productivity & Delivery Measures Product Development and Leadership & High Performing Teams. The Daily Improvement "Kata" Discipline.
Day 6	Practicum. In addition to the presentation of the Theory of LEAN, students will be assigned to work with a team on a practical application of a key component of a LEAN Transformation. Students will present their projects.
Day 7	Society of Manufacturing Engineers Lean Bronze Exam.

Company Tours & Exam Preparation are interspersed among the days of instruction outlined above. In order to demonstrate and visualize lean techniques in practice, the class will tour local companies that have already embarked on their Lean journey and are working to employ best practices.

For more information please contact Kristin Kautz
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