



Lean 100: Introduction to Lean

The Lean 100 one-day course, Introduction to Lean, is a foundational course designed to establish a baseline understanding of Lean principles across any organization. This training introduces participants to the Lean philosophy and the application of essential Lean tools in a production environment.

This course provides the fundamental knowledge needed to identify waste and improve efficiency through a hands-on process simulation. It includes in-depth discussions on the Lean production system, its history, and the necessity of stability. Participants will demonstrate the practical use of these tools during multiple rounds of simulation to see real-time improvements. The course also features collaborative sessions focused on workplace organization and the keys to a successful Lean transformation.

About Lean Thinking

At the heart of a successful operation is the ability to distinguish between value-add and non-value-add activities. By implementing a Lean Production System, organizations can eliminate waste and create a more responsive environment.

When Lean tools like 5S, Cellular Flow and Standard Work are applied correctly, a company can achieve stability and consistency. Participants come away with a clear understanding of how to implement Problem Solving and Quality at the Source, leading to a sense of empowerment and a drive for continuous improvement.

We Can Help.

-  Advanced Manufacturing & Technology Deployment
-  Business Growth, Innovation & Marketing
-  Business & Operational Assessments
-  Cybersecurity Strategies
-  Defense Industry Initiatives
-  Environment, Energy & Sustainability Services
-  Evaluation Services & Resource Development
-  Industrial & Systems Engineering
-  Instructional Design
-  Leadership & Organizational Development
-  Management Systems & Quality
-  Process Optimization & LEAN
-  Project Management
-  Southeastern OSHA Training Institute Education Center
-  Supply Chain & Supplier Matching
-  Workplace Health & Safety

Learning Objectives

- Introduce participants to the Lean philosophy and the application of basic Lean tools.
- Apply Lean tools using multiple rounds of a hands-on process simulation.
- Demonstrate the use of tools such as 5S, Takt Time, and Poka-Yoke during the simulation rounds.
- Understand the importance of Standard Work and the keys to long-term success.

Who Will Benefit from This Course?

This course is targeted towards all professionals looking to establish a solid foundation in Lean principles, such as:

- Department Managers and Supervisors
- Project and Process Engineers
- Operations and Administrative Staff
- Quality Assurance Professionals
- Continuous Improvement Team Members

Program Format

- 8-hour onsite in-person training

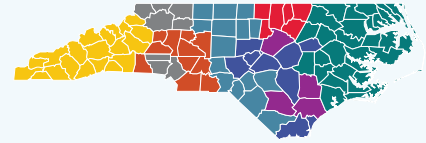


Connect with your Regional Manager to begin the conversation. ncstateies.com/RM



Connect With Your Regional Manager

ncstateies.com/RM



Western

Chris McGraw

828.329.3119

chris_mcgraw@ncsu.edu

Charlotte Proper / Triad

Jennifer Fielder

704.380.0063

jennifer_fielder@ncsu.edu

Greater Charlotte

Tamara Mack

980.281.0939

tamara_mack@ncsu.edu

Central

Mary Tillery

910.622.5849

mary_tillery@ncsu.edu

Research Triangle

Mitch Poteat

919.607.0684

mitch_poteat@ncsu.edu

Wake County / South

Robert Crew

919.830.2941

robert_crew@ncsu.edu

South Central

Anna Mangum

919.210.6050

anna_mangum@ncsu.edu

Northeast

Lori Benn

919.988.7475

lori_benn@ncsu.edu

NC STATE UNIVERSITY Industry Extension Services

We Can Help. 919.515.2358 | iesservices@ncsu.edu



NC State University Industry Extension Services, established in 1955 as the outreach team for the NC State University College of Engineering, provides resources, tools and customized training programs to help businesses survive, thrive and grow.

ies.ncsu.edu **in f** **X** **@NCStateIES**