DAY 8

Understanding the Process Variation (ANALYZE)

Separate the vital few from the trivial many. Test to determine what is driving your process.

In this session, you will learn:

• Multi-Vari Studies
• Regression Analysis
• Hypothesis Testing

DAY 9

Applying Solutions (IMPROVE)

Engaging exercises with brainstorming and problem solving tools will help the team arrive at the correct solution to the problem or opportunity.

In this session, you will learn:

• Lean Tools
• Brainstorming Tools
• Problem Solving Tools
• Designing DOE

DAY 10

Finalizing the Action Plan and Sustaining (IMPROVE/CONTROL)

Understand how to ensure the sustenance of improvement by first running a pilot and then conducting the broader deployment of the improvement. Discover the key steps in the application of control planning and closing the project off correctly.

In this session, you will learn:

• Conducting and interpreting Design of Experiments (DOE)
• Design for Six Sigma (DFSS)
• Pilot the improvement
• Statistical Process Control (SPC)
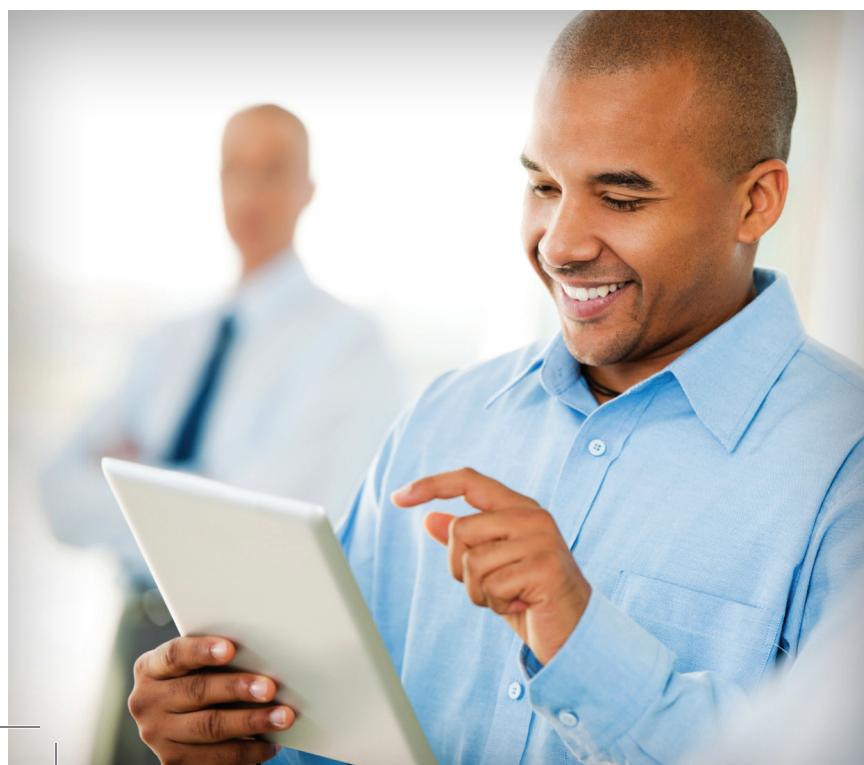• Control Planning
• Project Closure

FOR FULLY CUSTOMIZED TRAINING OR TO LEARN MORE ABOUT THE

LEAN SIX SIGMA PROGRAM

CALL US TODAY!

T: 905.575.2534 | mcecor.com

mce
MOHAWK COLLEGE ENTERPRISE

---

mce
MOHAWK COLLEGE ENTERPRISE

LEAN SIX SIGMA PROGRAM

Learn to transform and grow your organization using Lean Six Sigma to reduce variation and improve quality.

✓ Learn from the best – Certified Master Black Belts with more than a combined 22 yrs of industry experience share the best practices of implementing Lean Six Sigma across multiple industries in more than 9 countries.

✓ Make Lean Six Sigma (LSS) accessible – Discover exactly how and where the key LSS techniques can be used in your specific situation or business problem vs. the typical off-the-shelf 'one fits all' solution.

✓ Effective deployment – Learn about the roadblocks and how to get past them in order to ensure an effective sustainable LSS deployment. Find out how to commit to and secure buy-in from all levels in your organization.

✓ Synergy – Maximize returns by integrating the best elements of Lean and Six Sigma techniques into a unified LSS methodology.

✓ People power – Develop the workforce and empower them to make data-driven business decisions. Identify and develop key employees to take on complex business problems.

✓ Profitability – Using the LSS methodology, minimize the cost of poor quality (CoPQ), increase your ROI and maximize profitability of your organization.

FULLY CUSTOMIZED:

This is a sample outline only. All programs are fully customized to meet your learning objectives and business needs.

PROGRAM OUTLINE:

The Lean Six Sigma approach combines the process flow and waste elimination focus of Lean with the process performance and zero defect focus of Six Sigma to optimize the efficiency of your products and processes and maximize the profits.

Green Belt / Black Belt Certification Program also available.

Ask us for details.

DAY 1
Capturing the Essence of Lean Six Sigma

Setting the foundation of data-driven decision making, learn how key performance indicators can assist with the selection process of a project or an event.

In this session, you will learn:

• What is Lean?
• What is Six Sigma?
• Business Performance Measures
• Lean Six Sigma Enterprise View

DAY 2
Learning about the Project Space (DEFINE)

Set yourself up for success by understanding the importance of how to manage your stakeholders and build a plan to manage change in the work environment.

In this session, you will learn:

• Stakeholder Awareness
• Initiating a Lean Six Sigma Project
• Project Metrics

DAY 3
Getting Organized (DEFINE)

Focus on how to apply planning tools and how to properly document your improvement initiative. Get a better understanding of how to analyze project risks and minimize them.

In this session, you will learn:

• Project Planning Tools
• Project Documentation
• Risk Analysis and Mitigation
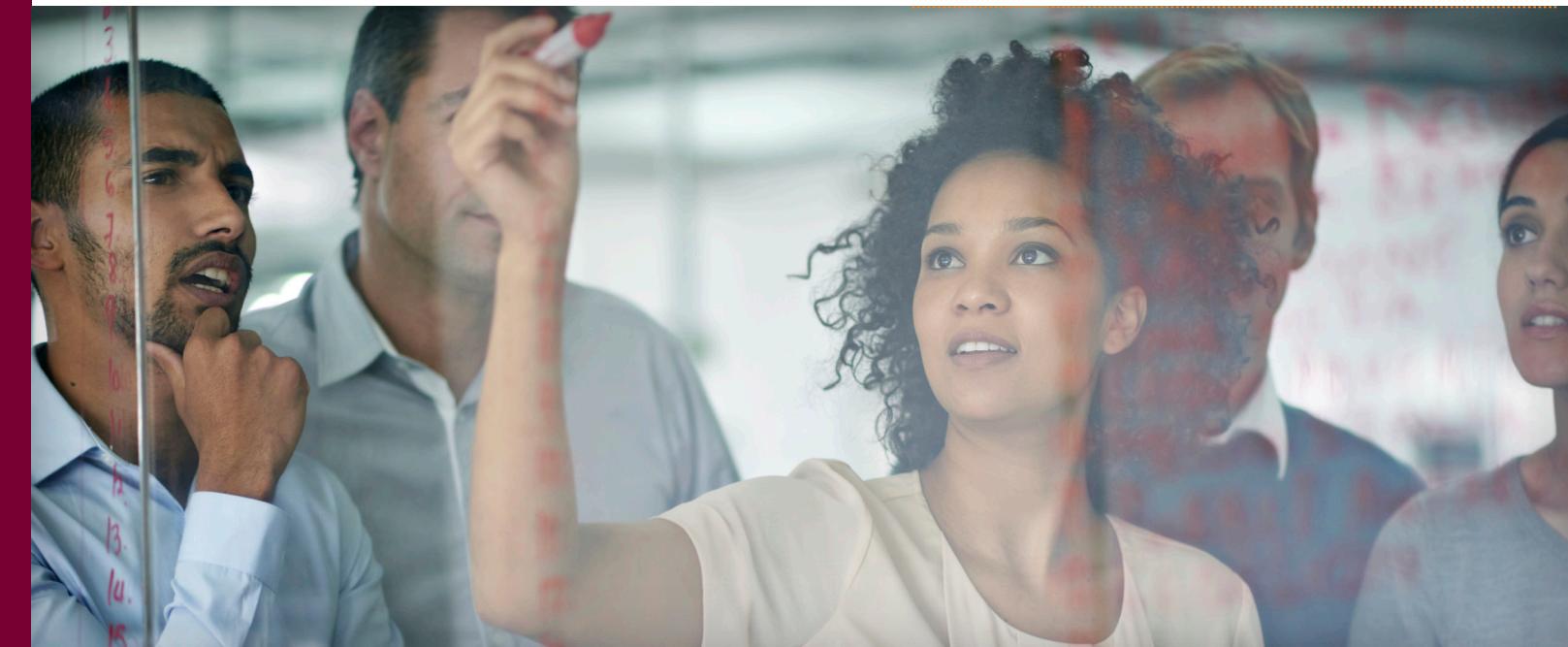• Tools for Managing and Planning
• Process Performance

DAY 4
Facilitation of the Team (DEFINE/MEASURE)

Unlock untapped facilitation skills and gain confidence by applying various techniques for working with teams and communicating effectively. Learn how to evaluate the measurement system and identify improvement areas.

In this session, you will learn:

• Working with Teams
• Communication Techniques
• Process Modeling
• Measurement System Analysis (MSA)

DAY 5
Preparation for Data Gathering (MEASURE)

Learn how to analyze different types of data you may encounter in your process improvement project. Explore the various data collection methods and sampling techniques to ensure the most optimal way to measure your baseline.

In this session, you will learn:

• Measurement Scales
• Data Collection Methods
• Sampling Techniques
• Basic Statistics

DAY 6
Gathering Relevant Process Data (MEASURE)

Apply key Lean Six Sigma concepts to evaluate the process capability of current state of your process.

In this session, you will learn:

• Central Limit Theorem
• Basic Probability Concepts
• Descriptive Statistics
• Process Capability

DAY 7
Allowing the Data to Tell the Story (ANALYZE)

Create graphical representation of the process using Minitab® to understand probability distributions and evaluate output.

In this session, you will learn:

• Graphical Methods
• Probability Distributions
• Interpreting Capability Studies
• Process Performance Indices
• Short and Long Term Capability