

TROY-BASED CLASSES FOR A STRENGTHENED WORKFORCE

MICHIGAN

MANUFACTURING

TECHNOLOGY

CENTER

2020 SCHEDULE

LEADERSHIP / CULTURE

Manufacturing Skills Development

April 2/3, 2020 | \$995 | CEUs: 1.4

Designed for students who are new to manufacturing, Manufacturing Skills Development will provide a foundational understanding of the processes, approach and culture needed to run an effective and efficient operation. The course covers quality management systems, problem solving, Lean manufacturing, culture and motivation.

Practical Approach to Project Management

May 11/12/13, 2020 | \$1,800 | CEUs: 2.1

Learn the fundamental tools to effectively manage and complete projects. Whether you are a newly assigned project manager or have been in the field for years but want to strengthen your approach, this course is for you. This class is ideal for general/plant/project managers, engineers, and quality, supply chain and I.T. personnel.

Supervisory Skills

Feb. 24/26 & Mar. 2/3, 2020 | \$975 | CEUs: 2.8

April 27/29 & May 4/6, 2020 | \$975 | CEUs: 2.8

Gain the skills to thrive in today's management environment. Learn how to identify:

- Various leadership styles
- Different behavioral characteristics and determine the best method of relating to each
- Communication barriers and techniques to enhance communication

LEAN PRINCIPLES & TECHNIQUES

A3 Problem Solving

March 18, 2020 | \$295

Participants will use problem-solving tools (5-Whys and Fishbone Diagram) to assist in the continual improvement process with special emphasis on creating and implementing a Lean business strategy. Attendees gain further knowledge to confidently measure and improve their processes through data-driven decision making. An exercise in understanding and creating an A3 report is included.

Error Proofing/Poka-Yoke

March 18, 2020 | \$295

Error proofing is essential to running a smooth operation, cost savings and maintaining sanity in the workplace. Understand the benefits of building in quality at the source by implementing methods or devices into the manufacturing process instead of inspection only at the end of the process. Best practice examples are introduced regarding how companies prevent errors or defects.

REGISTRATION IS QUICK & CONVENIENT!

For more information, or to register, visit The-Center.org or call 888.414.6682.

Classes will be held at Walsh College: 3838 Livernois Rd - Troy, MI 48007

QUALITY MANAGEMENT

8D Problem Solving

Feb. 18, 2020 | \$395 | CEUs: .7

Teams use problem-solving tools to identify, analyze and determine root cause to solve issues. Understanding is gained through practical, hands-on exercises using common measurement gauges. Problems are presented to demonstrate the typical formats for reporting the findings, applying solutions and implementing corrections.

Core Tools: APQP, PPAP & FMEA

March 4/5, 2020 | \$795 | CEUs: 1.4

Gain an understanding of the planning, launch and validation of new products or processes. This course blends APQP, PPAP and FMEA and guides participants through the launch process. Utilized correctly, the deployment of these core tools leads to continuous improvement, defect prevention and reduction of variation and waste.

Core Tools: Measurement Systems Analysis

March 16, 2020 | \$395 | CEUs: .7

We've all heard the expression "garbage in, garbage out." The same can be applied when product acceptance or process control decisions are based on invalid data. Measurement Systems Analysis examines the sources of variation in the measurement process as well as information about measurement characteristics based on accuracy, precision and stability.

IATF 16949:2016 Internal Auditor

June 23/24/25/26, 2020 | \$1,195 | CEUs: 2.8

Participants will learn how to develop an audit plan and report required for management review. The five clauses of the IATF 16949:2016 requirements are covered and participants are introduced to non-intrusive auditing practices for interfacing with third-party registrars.

ISO 9001:2015 Internal Auditor

July 22/23/24, 2020 | \$995 | CEUs: 2.1

Learn the processes, skills and techniques for conducting internal quality audits. Participants will be instructed in developing an audit plan and report required for management review. Corrective and preventive action will be reviewed. This includes an overview of the 2015 standards and requirements, as well as hands-on practice exercises for ISO 9001.

Risk Management Using FMEA

March 26/27, 2020 | \$795 | CEUs: 1.4

Orient yourself with the steps of Risk Management using the tool of Failure Mode Effects Analysis (FMEA) to define, manage and reduce risks. Creating SIPOCs and Process Flowcharts are covered to help in the understanding and analysis of the process. Training addresses each step of doing an FMEA, with exercises designed to ensure maximum understanding of both Design FMEA and Process FMEA.

REGISTRATION IS QUICK & CONVENIENT!

*For more information, or to register, visit The-Center.org or call 888.414.6682.
Classes will be held at Walsh College: 3838 Livernois Rd - Troy, MI 48007*