



Yellow Belt Certification

May 17-18, 2022 | 8:30 am – 4:30 pm



MRC's Yellow Belt Certification course is a process-focus to manage the business through the Six Sigma problem-solving approach of Define, Measure, Analyze, Improve, and Control (DMAIC). Yellow Belts are process improvement team members who have been exposed to the DMAIC Process and Tools

Classroom training and exercises overview

- Learn and apply DMAIC tools
- Utilize classroom exercises to demonstrate the application of tools
- Complete and pass exam on information and tools presented

Yellow Belt Training Topic Areas:

- Day 1: DEFINE: Project Charter, SIPOC, Voice of Customer, Multi-level Pareto (Minitab Introduction)
- Days 1 & 2: MEASURE: Six Sigma Metrics (card drop exercise), Basic Stats (Graphical Summary, Histogram, Dotplots, Boxplots, Time Series), Basic Tools (Process Map, Fishbone Diagram, XY Matrix, FMEA) Common and Special Causes, Process Capability Analysis (catapult exercise), MSA (Gage and Attribute R&R)
- Day 2: ANALYZE Hypothesis Testing, Basic Tools – 1-Sample t, 2-Sample t, Paired t, 1 Proportion, 2 Proportions, Power and Sample size
- Day 2: Intro to IMPROVE and CONTROL Time Series and Control Charts, Control and Reaction Plan

Benefits: MRC's Six Sigma Yellow Belts are introduced to the DMAIC process. Participants create fishbone diagrams, control charts and graphs using Minitab's statistical software, understand basic statistic measures and complete data demographics exercises. Process capability principles are reviewed using class exercises and analyzed in Minitab. A number of hypotheses testing methods are also included in the Yellow Belt training.



Richard Titus, Jr., Ph.D.
Titus Consulting

Richard is a Master Black Belt who spent nearly 20 years at Ingersoll-Rand in a variety of positions ranging from operations management, information systems, materials management, manufacturing engineering, design engineering, and more. Dr. Titus was certified as a Black Belt and Master Black Belt by Six Sigma Qualtec. He completed executive training with the Mahler Institute, Demand Flow Technology training at the John Costanza Institute of Technology and completed Lean Training with Six Sigma Qualtec and is a certified nuclear auditor and a certified trainer for DDI. Dr. Titus earned a B.S. and M.S. in Engineering from Lehigh University and has been a lecturer or adjunct faculty member with Lehigh's College of Business since 2000. He earned his Ph.D. in Industrial Engineering from Penn State University in May 2019 focusing his research on supplier selection. Dr. Titus has supported over 350 Lean Six Sigma projects in over 50+ companies resulting in over \$50 million dollars of real savings.

REGISTER NOW

COST: \$600/person or \$540/person if registered by April 1, 2022.
Includes continental breakfast, lunch, & course materials

Register now at www.mrcpa.org/events

Manufacturers Resource Center
7200A Windsor Drive
Allentown, PA 18106
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Directions