



# Yellow Belt Certification

September 21-22, 2020 | 8:30 am – 4:30 pm

Location:

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



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, 1Proportion, 2 Proportions,  
Power and Sample size
- **Day 2: Intro to IMPROVE and CONTROL**  
Time Series and Control Charts, Control and Reaction Plan

YB Certification Requirements: Attendance, Participation in Class and Group Exercises, Pass YB Exam

Cost: \$600/person or \$540/person if registered by August 12<sup>th</sup>. Includes continental breakfast & lunch

Instructor: Richard Titus, Jr., Ph.D. & Certified Master Black Belt, Titus Consulting.

For more details and to register, please go to: <https://www.mrcpa.org/events/>