Black Belt Certification
For Green Belts
2025

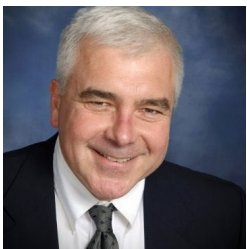*Prerequisite: *Greenbelt*

Program Overview and Objectives

This course is for senior level decision makers, general managers, supervisors, group leaders, quality managers, and any discipline that wants to upgrade their Six Sigma training from Green Belt to Black Belt Certification to nurture their managerial and leadership abilities to improve business processes and sustain quality improvements. Those who achieve Six Sigma Black Belt are not only educated on the methodologies of Six Sigma, they are also prepared to become a change agent within their organization, leading efforts to improve processes and the quality of products and services delivered to customers. The full 7 days of Black Belt training will focus on:

- Advanced Regression and ANOVA
- Advanced Capability
- Design of Experiments (DOE)
- Non-Parametric Distribution (s)
- Logistic Regression

Benefits

After successfully completing the Six Sigma Black Belt course, participants will be able to explain multiple regression, perform factorial experiments, determine size calculations needed for experiments, and describe the different types of process optimization. Typically, Black Belt projects save $50K to $100K in cost savings in process improvement.

Meet Our Trainer

Richard Titus, Ph.D | Titus consulting, 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.

Price: $5,495

Early registration discount price $4,995 *

- *Full MINITAB license is required and is not included in the course fee. Current Minitab pricing $1, 851 annual license fee + PA sales tax, but subject to change.*
- **Tuition Includes:** Up to four onsite project mentoring meetings. Mentoring sessions must be scheduled and completed within six months after the end of training.
- ***Prerequisite** is Green Belt Certification. If Green Belt Certificate is not through MRC, *prior* approval from the instructor is required to start this course.

2026 Schedule

*Early registration date March 31, 2026

- Week 1: April 28-30
- Week 2: May 26-27
- Week 3: June 24-25

Participants must attend all training dates because each training sessions builds upon each other. Any missed dates are the responsibility of the student to review materials prior to the next class.

All sessions run 8:30 AM - 4:00 PM
Dates and location subject to change

Register today, visit:

mrcpa.org/events or contact:
nicole.pierce@mrcpa.org (484) 655-4873

MRC Manufacturers Resource Center