

Root Cause Problem Solving Certification

Fall 2022

- Instructor:** Vern Campbell, P.Eng, MBA
- Location:** Virtual (Zoom)
- Length:** 19 Hour (Syllabus available)
- 2 Hour Project Set-up and kick off session for Champions and participants.
 - 15 Hours Just in time (JIT) training workshops for participants.
 - 2 Hour Final Project Presentations & Celebration
- Dates:**
- September 30, 2022 – 9:00 – 11:00 a.m. (Kick-off - Champions and participants)
 - Friday, October 7, 21 & 28; November 4 & 18. All sessions are 8:30 – 11:30 a.m. (participants)
 - Final Wrap-up Presentations – December 2, 2022 – 8:30-10:30 a.m. (Champions and participants)
- Prerequisites:** None – Root Cause Problem Solving is introductory.
- Projects:** Basic Root Cause Problem Level Projects are required (Sample Criteria available). The design of the course is to “learn by doing” through applying the methods and tools to “real” problems.
- Software:** No requirements.
- Cost:** \$950.00 per person (includes “hands on” coaching through to certification). For 3 or more participants from the same organization, the cost is reduced to \$875.00 per person.
- Class Size:** Limited to 16 participants.
- Content:**
- Basic principles of Root Cause Problem Solving.
 - The method to understand the current situation including performance metrics.
 - The 7 Step (QJ) problem solving method.
 - Applying the 7 basic Quality control tools to solve problems using data and facts.
- Registration Information:** Phone: (204) 793-9829
Email – vern.campbell@verncampbell.com

Lean Six Sigma Yellow (LSS) Belt Certification

Fall 2022 Details

- Instructor:** Vern Campbell, P.Eng, MBA
- Location:** Virtual (Zoom)
- Length:** 24 Hour (Syllabus available)
- 3 Hour Project Set-up and kick off session for Champions and participants.
 - 18 Hours Just in time (JIT) training workshops for participants.
 - 3 Hour Final Project Presentations & Celebration
- Dates:**
- September 28, 2022 – 8:30-11:30 a.m. (Kick-off - Champions and participants)
 - October 13, November 3, December 1, 2022. All sessions are from 8:30 – 4:00 p.m.
 - January 10, 2023 – 1:30 – 4:00 p.m. (Final Wrap-up Presentations - Champions and participants)
- Prerequisites:** None – Root Cause Problem Solving is beneficial.
- Projects:** Yellow Belt Level Projects are required (Sample Criteria available). The design of the course is to “learn by doing” through applying the methods and tools to “real” problems.
- Software:** No requirements for Yellow Belt, however access to Minitab would be beneficial.
- Cost:** \$1,375.00 per person (includes “hands on” coaching through to certification). For 3 or more participants from the same organization, the cost is reduced to \$1,125.00 per person.
- Class Size:** Limited to 16 participants.
- Content:**
- Basic principles of LSS/Continuous improvement.
 - Set up and Charter improvement projects.
 - The method to understand the current process situation including performance metrics.
 - Defining process target conditions.
 - Identifying process problems and various strategies for addressing problems.
 - The 7 Step problem solving method.
 - Applying the 7 basic Quality control tools to solve problems using data and facts.
- Registration Information:** Phone – (204) 793-9829
Email – vern.campbell@verncampbell.com

Lean Six Sigma (LSS) Green Belt Certification Fall 2022

- Instructor:** Vern Campbell, P.Eng, MBA
- Location:** Virtual (Zoom)
- Length:** 42 Hours (Syllabus available)
- 3 Hour Project Set-up and kick off session for Champions and participants.
 - 36 Hours Just in time (JIT) training workshops for participants.
 - 3 Hour Final Project Presentations & Certification Celebration
- Dates:**
- September 29, 1:00 – 4:00 p.m. (Kick-off - Champions and participants)
 - October 11 & 12, November 1 & 2, December 8 & 9. All sessions are 8:30 a.m. – 4:00 p.m.)
 - January 11, 2023, 1:00 p.m. – 4:00 p.m. Final Wrap-up Presentations - Champions & Participants
- Prerequisites:** None – although to enhance learning, Yellow Belt certification is recommended.
- Projects:** Green Belt Level Projects are required (Sample Criteria available). The course structure is “learn by doing” with the application of methods and tools to “real” problems.
- Software:** Minitab Statistical software is required for project data analysis.
- Cost:** \$5,250.00 per person (includes “hands on” coaching through to certification). For 2 or more participants from the same organization, the cost will be \$4,975.00 per person.
- Class Size:** Limited to 16 participants.
- Content:**
- Principles of LSS/Continuous improvement.
 - Set up and Charter improvement projects.
 - The method to understand the current process situation including performance metrics and setting target conditions.
 - Identifying process problems and various strategies for addressing problems.
 - The 7 Step (QJ) scientific problem-solving method.
 - Applying the 7 Quality control tools and advanced analytical tools to solve problems using data and facts.
 - Introduction to Leading Teams, Facilitation skills and team dynamics.
- Registration Information:** Phone – (204) 793-9829
Email – vern.campbell@verncampbell.com

Lean Six Sigma (LSS) Black Belt Certification Fall 2022

Purpose:

- To develop Lean Six Sigma Black Belt level competency who are capable of:
 - Identifying and prioritizing strategic issues;
 - Launching and executing critical projects to accomplish strategic objectives;
 - Developing and implementing systems for long term operational excellence sustainability.

Course Content:

- Review basic lean six sigma and strategic improvement systems methods.
- Advanced level tools, statistical methods, and analytics.
- Introductory strategic plan development, deployment & execution (Hoshin Kanri).
- Cross functional process management and strategic project selection.
- An introduction to advanced Daily Management systems and execution.
- Leading standardization, improvement, and innovation projects.

Course length:

- 13 days (90 Hours) total (September – February, 2022) (Specific dates TBA)

Pre-Requisite:

- Process Management LSS Green Belt (or equivalent) (i.e. University of Miami, Strategic Improvement Systems, etc.)

Required Software:

- Minitab

Price:

- \$11,750.00 per person

Class Size:

- Limited to 6 participants

Certification Requirements:

- Attend all training sessions & final day.
- Successfully complete a Black Belt level improvement/innovation project.
- Complete final presentation.
- Complete Black Belt level assessment.

Registration Information: Phone – (204) 793-9829
Email – vern.campbell@verncampbell.com

Top 10 skills

in 2020

1. Complex Problem Solving
2. Critical Thinking
3. Creativity
4. People Management
5. Coordinating with Others
6. Emotional Intelligence
7. Judgment and Decision Making
8. Service Orientation
9. Negotiation
10. Cognitive Flexibility



in 2015

1. Complex Problem Solving
2. Coordinating with Others
3. People Management
4. Critical Thinking
5. Negotiation
6. Quality Control
7. Service Orientation
8. Judgment and Decision Making
9. Active Listening
10. Creativity



Source: Future of Jobs Report, World Economic Forum