

Program Title: **Lean Six Sigma with Agile/Scrum**
Program ID: #1109271
Program Cost: \$5,950
Duration: 75 hours

Program Description

The Lean Six Sigma with Agile/Scrum program is a complete training offering for professionals wanting to round out their business experience with valuable credentials, knowledge, skills, and tools. This program includes the following:

1. **Lean Six Sigma Green Belt class:** an 8 Day class that teaches the history of Six Sigma and Lean and teaches the tools of Lean used in the minimization of waste in business process while maximizing effectiveness and efficiency. A significant class project is undertaken to apply the tools of Lean. A Value Stream Mapping (VSM) exercise is elaborated as the class explores various topics. The class presents solutions to the instructor on the final day and the Certification Exam is administered.
2. **Agile/Scrum Certification class:** a 2 Day hands-on class that teaches students what the Agile Project Management Methodology does and is as well as Scrum tactics including sprint planning, daily stand-up meetings and the skills required of a Certified Scrum Master. This is one of the certifications in high demand as we enter 2016.

Who should take this program?

This course is intended for professionals who have the desire to learn the valuable tools taught in the two classes. It is for prospective students wanting to learn how to assist companies in driving toward a culture of continuous improvement, and how to facilitate Agile project teams as a Certified Scrum Master.

Why WGA?

WGA has distinguished itself in the market as a training provider that brings real-world experience to the classroom. WGA develops its own proprietary training materials with dedicated curriculum developers and instructors who are also practicing consultants. All instructors of this material have at least 20 years of senior experience managing projects. They have the ability to not only teach but to coach each student as the classes progress. WGA uses quality assurance and quality control as tools of continuous improvement in the training offerings we provide.

Class 1: Lean Six Sigma Green Belt

8 Day Class Curriculum

Week 1

1. Six Sigma Overview
2. Introduction to Lean Principles
3. Lean Six Sigma Roadmap Tools

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4. Define
 - Project Definition and Scope
 - Project Objectives
 - Project Charter
 - Current State
 - Process Mapping
 - Value Stream Mapping
5. Measure
 - Statistical methods
 - Data Collection
 - Leadership skills
 - Project Planning

Week 2

6. Analyze
 - Process Analysis
 - Graphical Data Analysis
 - Statistical Data Analysis
 - FMEA
 7. Improve
 - Develop Solutions
 - Test Solutions
 8. Control
 - Develop Controls
 - Statistical Process Control
 - Lessons learned documentation
- Students will take the Lean Six Sigma Green Belt Exam

Class 2: Agile/Scrum Certification

2 Day Class Curriculum

Day 1

- Introduction to Agile Scrum
- Team building activity
- Team building activity review
- Scrum Team Roles
- Team Formation
- Understanding Vision
- Part 1 of Sprint Cycle activity
- Ideal User Story creation
- Backlog Grooming
- Part 2 of Sprint Cycle activity
- Release Planning

Day 2

- Sprint Planning
- Part 3 of Sprint Cycle activity
- Scrum Day to Day operations
- Part 4 of Sprint Cycle activity
- Part 5 of Sprint Cycle activity (Review)
- Retrospectives – making them productive
- Part 6 of Sprint Cycle Activity
- Tools
- Reporting/Velocity
- Goals and Milestones
- Scalability
- Q & A
- Course retrospective
- Certified Scrum Master Exam