



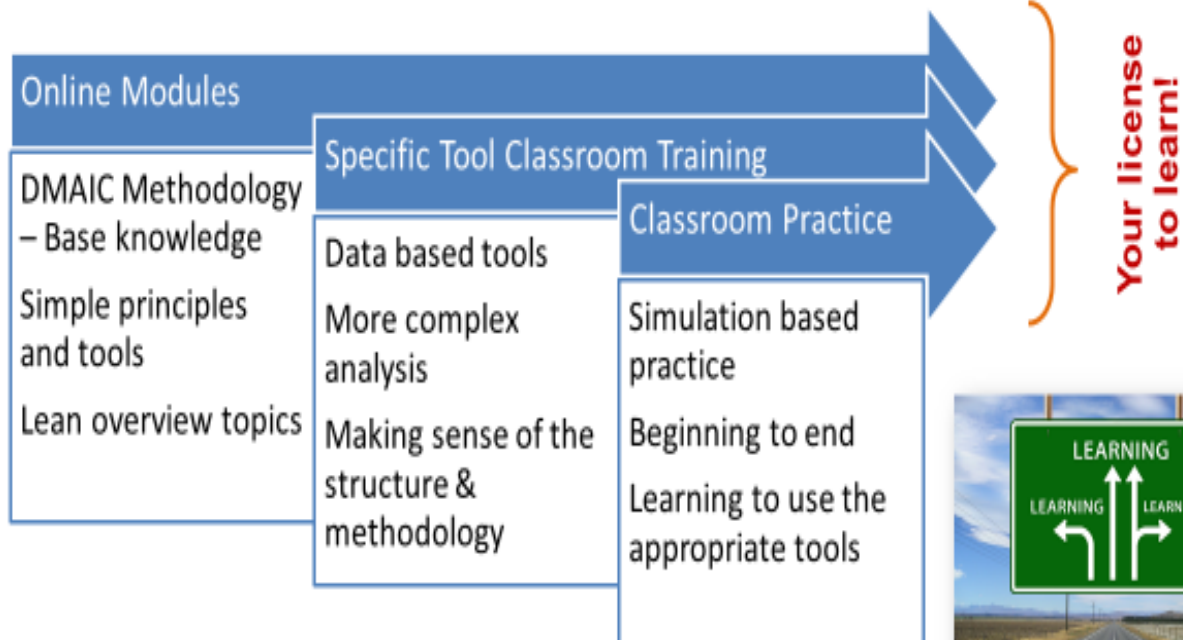
COURSE OUTLINE | USC Six Sigma Green Belt Certificate Program

The Six Sigma Green Belt program is an in-depth, interactive learning experience that combines online modules with online classroom learning. Our Six Sigma program is based on a case study approach so that participants apply training directly to a real-world example.

The program is structured in the following way:

- **Week 1:** 13-26 hours of mandatory self-paced online modules and 6-12 hours of optional modules to prepare for Week 2 of virtual classroom training
- **Week 2:** 10 hours of instructor-led online training class sessions scheduled Monday – Friday from 6:30 – 8:30 pm
- **Week 3:** 10-21 hours of self-paced online modules to prepare for Week 4 of virtual classroom training
- **Weeks 4:** 10 hours of instructor-led online training class sessions scheduled Monday – Friday from 6:30 – 8:30 pm
- The final examination determines whether or not students have mastered the topics necessary to receive their Six Sigma Green Belt certification.

Structure of this Course



SYLLABUS | USC Six Sigma **Green Belt** Certificate Program

- For your convenience, this agenda is flexible. The instructor led modules may shift as necessary based on your class needs and focus.
- Self-paced modules are typically completed in about 10 to 15 hours per week, however, students times will vary based on skill level.
- Modules that are **underlined in bold** are required for all students. All other online modules are recommended as preparatory to the instructor led training.
- If a student has previous training or experience, he/she may attempt the end-of-session quizzes without going through the modules if desired.
- Instructor-led modules will go into significantly greater depth in the complex topics than the self-paced modules. Attendance in the instructor-led sessions is required.

Dates	Online Modules	Instructor Led Online Modules
Week 1	<ol style="list-style-type: none"> <u>1. Introduction to Lean Six Sigma</u> <u>2. Define I - Starting a Project and Leading Teams</u> <u>3. Define II - Voice of the Customer</u> <u>4. Define III - Mapping the Process</u> 	None
	<ol style="list-style-type: none"> Measure I – Measurements and Basic Statistics <u>6. Measure II - Measurement System Analysis</u> Measure III - Charting Process Behavior 	
Week 2	None	Agenda, Introductions and Expectations Understanding Processes, Systems, and Improvement Methodologies Understanding Data and Variation Making Data Based decisions <ul style="list-style-type: none"> • What data do I need to take? • And are my data sources valid? • Are my processes predictable? • How well does my Process Meet Customer Expectations? • What Systemic Relationships Drive My Process Performance?
Week 3	<ol style="list-style-type: none"> <u>8. Analyze I - Potential Root Causes</u> <u>9. Improve</u> <u>10. Control</u> 	None
Week 4	None	The Pie Problem – a simulated project <ul style="list-style-type: none"> • Identifying and Chartering the Project
		<ul style="list-style-type: none"> • VOC and CTQs • Studying the Process • Identifying relationships
		<ul style="list-style-type: none"> • Exploiting the relationships • Maintaining the gains • Wrap-up and Presentations