

Training Roadmap for *Six Sigma: Green Belt*

	Courses		
Videos	<i>Six Sigma Foundations</i>	<i>Learning Minitab</i>	<i>Six Sigma Foundations</i>
Introduction to Six Sigma			
● What is Six Sigma?	X		
● An overview of DMAIC	X		
● Key roles of executive and champions	X		
● Levels of expertise	X		
● Six Sigma and the organization			X
Key Concepts in Six Sigma			
● Critical to quality metrics	X		
● Variation and the normal curve	X		
● Defects per million opportunities	X		
● Learn Sigma levels	X		
Selection of Six Sigma Projects			
● Identify potential projects	X		
● Project identification			X
● Select the Six Sigma team	X		

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Define Phase			
● Steps in the Define phase	X		
● Problem and goal statements	X		
● Complete the project charter	X		
● How to use SIPOC diagrams	X		
● Collecting VOC (voice of the customer)			X
● Project management basics			X
Measure Phase			
● Steps in the Measure phase	X		
● How to map the current process	X		
● Types of process maps			X
● Plan for data collection	X		
● Sampling in data collection			X
● Types of data and graphs	X		
● Minitab overview		X	
● Display graphs and charts		X	
● Describe data with statistics		X	
● Descriptive statistics			X
● Graphical displays of data			X
● Measurement system analysis (MSA)	X		
● Validating the measurement system (MSA)			X
● Process capability and Sigma level	X		
● Process performance measures			X

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Analyze Phase			
● Steps in the Analyze phase	X		
● How to use the cause-effect diagram	X		
● Introduction to hypothesis testing	X		
● How to analyze graphs and charts	X		
● How to analyze process maps	X		
● Hypothesis testing basics			X
● Data collection in the Analyze phase	X		
● Inferences on continuous data		X	
● Tests for means			X
● Tests for variances			X
● Inferences on categorical data		X	
● Tests for proportions			X
● Test of independence			X
● Correlation and linear regression			X
Improve Phase			
● Steps in the Improve phase	X		
● Introduction to design of experiments (DOE)			X
● Introduction to design for Six Sigma			X
● Generate, evaluate, and select solutions	X		
● Selection matrices			X
● Reduce the risk of failure through FMEA	X		

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● How to use FMEA			X
● Mistake proofing	X		
● Pilot test and implement	X		
Control Phase			
● Steps in the Control phase	X		
● How to use SPC charts	X		
● SPC charts			X
● SPC charts of variables			X
● SPC charts for attributes			X
● The control plan	X		
● How to develop control plans			X
● Save and share your work using Minitab		X	