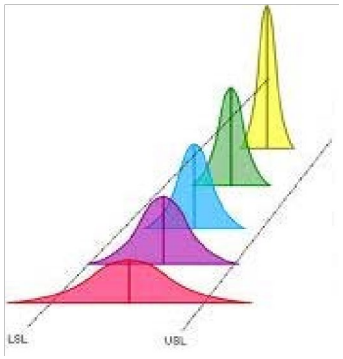
Six Sigma

Six Sigma performance is the statistical term for a process that produces fewer than 3.4 defects per million opportunities for defects.

Six Sigma improvement is when the key outcomes of a business or workplace are improved dramatically.

Six Sigma organizations use Six Sigma methods and tools to improve performance.



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Resources

Enroll without formal admission through Open University

Visit http://ou.sjsu.edu/ for more information

Fees: Bursar's Office http://www.sjsu.edu/bursar/ http://info.sjsu.edu/home/schedules.ht ml

Hundreds of companies use six sigma, here are just a few:

GE Allied Citigroup Jaguar Allied Signal Dow Chemical Dupont Lockheed Martin Motorola and Motorola Quality Digest Polaroid Texas Instruments

San José State UNIVERSITY

SJSU Six Sigma Certificate

6σ

Six Sigma Certificate Program
Charles W. Davidson College of Engineering
Industrial & Systems Engineering

408-924-3301
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SJSU Six Sigma Certificate

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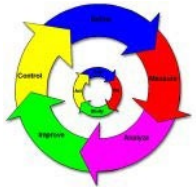
The revolutions in lean manufacturing and quality have swept the world and broadened into the disciplines of lean enterprise and six-sigma. Six Sigma's emphasis is on improving existing capabilities. Six Sigma is a set of structured methodologies, problem- solving tools and advanced statistical methods for analyzing and improving processes, product designs and services on a broad range of metrics, especially cost, quality, time and variability. It moves beyond treating symptoms and short-term problems to the elimination of root causes, thereby emphasizing lasting improvement. To be effective, lean enterprise and Six Sigma require a guiding infrastructure of business strategy, business planning, enterprise leadership, program management, and team management. It also relies on a supporting infrastructure to enable change management and workforce training and development.



Students who acquire Six Sigma skills are extremely marketable in Silicon Valley's. Hence, the ISE department now offers a SJSU Six Sigma Certificate. The certificate is conveniently available to the ISE graduate students and local professionals, and it is inex-pensive when compared to certifications offered by professional societies. Also, ISE graduate students specializing in the area of Production and Quality Assurance can fulfill the requirements of the SJSU Six Sigma Badge as part of their MS degree requirements.

Requirements for a Green Belt Badge

Completion of ISE 250 - Leading the Six Sigma Improvement Project with a grade of B or better.

Requirements for a Black Belt Certificate

Satisfaction of a Probability and Statistics Prerequisite, such as ISE 130 or its equivalent.

Completion of each of the following courses with a grade of B or better:

ISE 202 – Design and Analysis of Engineering Experiments

ISE 235 - Quality Assurance and Reliability

ISE250 - Leading the Six Sigma Improvement Project

ISE 251 - Orchestrating the Lean Enterprise Improvement Program Completion of real-world projects in ISE 202 and ISE 250. A joint project can be completed if a student enrolls in ISE 202 and ISE 250 concurrently.

Completion of an open book exit exam with a passing grade of 75%.