

Lean Six Sigma Green and Black Belt Programs



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Improve Your Career Options with a Professional Program



UCI Division of Continuing Education's

professional certificate and specialized studies programs help you increase or enhance your current skills or prepare for a new career. Courses are highly practical and instructors are qualified leaders in their field. Convenient online and classroom courses make it easy to learn on your own time, in your own way. A certificate or specialized studies award bearing the UC seal signifies a well-known, uncompromising standard of excellence.



Lean Six Sigma Green and Black Belt Programs

Improve Performance.

Eliminate Redundancies.

Achieve Extraordinary Results.

Take your organization to the next level of productivity and profitability with UCI Continuing Education's Lean Six Sigma Green and Black Belt Training Programs.

Our programs have provided organizations large and small, from manufacturing to service industries, with the tools and techniques to dramatically improve their processes and financial performance—thereby ensuring their competitive edge in the marketplace.

“*The Lean Six Sigma Green Belt Program helped me to understand the business and people aspects of process improvement. By using the simple tools I learned in the program I have already been able to significantly improve the IT environment of my company. The Lean Six Sigma training has enabled me to change my role at work and helped me earn a new title! I look forward to continuing on to the Black Belt Program and to furthering my career.*”

Jennifer Hackler
IT Process Improvement Analyst
Experian

Who Should Attend:

Those who are responsible for, or are looking to contribute to, high impact projects by incorporating Lean Six Sigma methodology.

Program Benefits:

Your company's bottom line will benefit from your ability to:

- **Execute better:** Lean Six Sigma links strategic plans to operational improvements to create efficiencies for your business.
- **Build customer loyalty:** Lean Six Sigma helps you target your customer needs so you can improve the things that matter most to your customers.
- **Create greater returns** by lowering operating costs and delivering products and services quicker and with higher customer satisfaction through operational excellence.

Program Requirements:

A Green Belt specialized studies certificate is awarded upon successful completion of five courses in Green Belt. A certificate in Black Belt is awarded upon successful completion of four courses in Black Belt, in addition to the UCI Continuing Education-approved training already completed in Green Belt.



Program Schedule:

To view the most current course schedule, please visit ce.uci.edu/sixsigma.

“*The UCI Continuing Education Lean Six Sigma Green Belt Program delivers 150% of what it promises. The curriculum is all encompassing (includes both Six Sigma and Lean improvement methodologies) and the results are phenomenal. Green Belts are able to hit the floor running and provide an immediate return on investment.*”

Don Dobson
Chief Operating Officer, eAppraiselT, LLC,
The First American Corporation

Lean Six Sigma Courses:

GREEN BELT REQUIRED COURSES
IN THE RECOMMENDED SEQUENCE
(5 courses for a total of 10.0 quarter units)
Lean Six Sigma Philosophy & Project Selection
Lean Six Sigma Descriptive Statistics
Lean Six Sigma Project Success Fundamentals
Lean Six Sigma – Lean Toolkit for Six Sigma
Lean Six Sigma Project Practicum

BLACK BELT REQUIRED COURSES
IN THE RECOMMENDED SEQUENCE
(4 courses for a total of 8.0 quarter units)
Inferential Statistics for Lean Six Sigma
Advanced Lean Toolkit for Lean Six Sigma
Design of Experiments (DOE) for Lean Six Sigma
Advanced Lean Six Sigma Project Practicum

Students must complete all the Green Belt courses before progressing on to the Black Belt program. Candidates wishing to move into the Black Belt program on an exception basis would need to demonstrate a record of academic preparation/comparable training in the subject area. Requests for exceptions should be submitted to the program for review and approval before enrolling in any Black Belt course.

For more information:

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Curriculum



Lean Six Sigma Green Belt

Today's organizational leaders are turning to Lean Six Sigma Green Belt training to ensure a competitive edge, solve organizational problems, improve service and develop the background and skill base needed to initiate and sustain performance improvement. Building on learning objectives, the topics in this project-based program prepare students to lead projects and contribute to improvement efforts in services and manufacturing. Green Belts' acquired knowledge of data collection, analysis, process mapping and lean implementation allows them to play a vital role in Lean Six Sigma initiatives.

A Green Belt is a member of a Lean Six Sigma improvement team who has a working knowledge of Six Sigma and Lean. Typically Green Belts are assigned to Lean Six Sigma projects within their area of responsibility. Topic areas include: definition and analysis of problems; root cause determination; solution generation and selection; and use of process variability and waste elimination tools.

Build the skills you need to create new levels of process performance, speed and quality. Take your organization to the next level of improvement, uniting product and process excellence with goals such as improving customer service and enhancing shareholder value creation.

Lean Six Sigma Black Belt

Six Sigma and Lean are process improvement philosophies and methodologies. When combined, the methodologies can produce startling results to improve processes. Structured as a series of hands-on workshops, this integrated program builds upon the competencies acquired during the Lean Six Sigma Green Belt program. The Black Belt training level provides the tools, methodologies and experience needed to earn a certificate in Lean Six Sigma. Team-based exercises, along with stimulating case studies, lectures and videos, allow participants to gain invaluable experience applying the tools and methodologies demanded by the market place.

“The Green Belt provides the continuous improvement practitioner with a strong foundation which will allow them to tackle process flow issues and Quality issues that can be addressed with Ishikawa's Seven Basic Tools of Quality Control. The Black Belt provides the continuous improvement practitioner into a whole new realm of process problem tools. Participants will acquire tools for advanced statistical analysis, the finer points of Lean on a tactical as well as strategic level, and they will be given the chance to practice their project management skills in a series of guided laboratory exercises. Acquiring the Black Belt truly sets the serious continuous improvement practitioner apart from the rest of the pack.”

Henry Hank Rogers
Instructor



Advisory Committee

James Braggs, Sr. Quality Systems Specialist, The Boeing Company

Dan Jarmel, Director, Process and Quality Excellence at Pacific Gas and Electric Company

Joe Kausek, System Director for Performance Improvement, SSM Health, and Instructor, UCI Division of Continuing Education

Henry (Hank) Rogers, Principal, The Business Cavalry Consulting, and Instructor, UCI Division of Continuing Education

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