

Academic Plan as of Spring 2020

Program Description:

Prepare to lead change initiatives and strategic planning sessions at the executive level of your organization. This project-based curriculum teaches the elements of Lean, Six Sigma, and Theory of Constraints through simulations, case studies, and student interactions for the most effective learning experience. You will learn and practice the skills necessary to implement statistical process control (SPC), facilitate and use various strategic planning tools and methods, optimize machine up-time rates, alleviate organizational bottlenecks, calculate various financial metrics, and develop the ability to lead change initiatives in any organization. Please plan on 10-20 hours of reading, study, and homework to be completed prior to the course and during the instructional week beyond classroom hours. You will be required to lead discussions and presentations.

Prerequisites and Admissions Requirements: Lean Six Sigma- Green Belt

Program Learning Outcomes:

At the end of this course, students will:

- Have a complete understanding of quality methods and can lead quality initiatives
- Be able to facilitate executive level Kaizen/Process improvement events
- Have a complete understanding and process of organizational change management
- Have confidence consulting with organizational leaders and helping them achieve their goals/objectives
- Be skilled in a variety of strategic planning methods

Program Requirements:

To earn the Lean Six Sigma Black Belt Certificate, you must successfully complete the following required course:

Required Courses:

- Lean Six Sigma- Black Belt (LN1101)

About This Program:

The Lean Six Sigma Black Belt Certificate Program provides students with an advanced, comprehensive understanding of executive level process improvement initiatives.