

# Lean Manufacturing

## College Credit Certificate 68001

### About the program...

The Lean Manufacturing certificate is designed to give students the foundation needed for the demands of the manufacturing world today. It is a unified, comprehensive set of philosophies, rules, guidelines, tools and techniques for improving and optimizing discrete processes. Once completed, the student will be able to apply all the tools learned to understand customers' true desires and learn the philosophy of eliminating non-value added operations, equipment and resources. The Lean Manufacturer will be able to make a significant impact on an organization's performance.



### You will learn...

- ◆ Six Sigma
- ◆ Kaizen
- ◆ 5S
- ◆ Value Stream Mapping
- ◆ Kanban
- ◆ Total Quality Management
- ◆ Supply Chain
- ◆ Synchronous Manufacturing

### The advantage of the program

The Lean Manufacturer has the ability to work in a variety of industries, including manufacturing, healthcare, finance, service, sales, marketing and engineering just to name a few. Students who have taken this certificate will be trained in the fundamentals of Lean and Six Sigma, Quality Control, Quality Assurance and Process Improvement. The student will be prepared to take the Green Belt examination and will be well on their way to Black Belt certification.



### Course Curriculum

**Total Credits: 12**

ETI1172	Intro to Quality Assurance	3
ETI1622	Lean and six Sigma Concepts	3
ETI1644	Adv. Manufacturing Supply Chain	3
ETI2404	Adv. Manufacturing Technology	3