

# UK Shared Prosperity Fund: Level 4 Lean Manufacturing



Course Level: Level 4

Campus: Stafford

Subject Type: Construction & Engineering

## Course Overview:

Discover the processes, knowledge and tools required to successfully work in a lean manufacturing role by studying this short 10-week introductory course. This course provides a compelling introduction to what Lean is all about and the benefits to businesses for long-term success.

## What's Covered:

During this 10-week course, you will be introduced to the principles and processes of lean manufacturing to gain the skills to become a committed practitioner of lean in the world of construction and engineering. Learners will explore the benefits and challenges of using lean manufacturing, and become sufficiently knowledgeable about the most important process tools and techniques to be able to operate and use them.

## You will cover subjects including:

- The principles of lean manufacturing
- Creating a flexible production system
- Applying the single minute exchange of die (SMED) method to a production system
- Learn how to implement a total productive maintenance system
- Scoping and defining lean manufacturing, lean manufacturing philosophy and the five lean principles
- Identifying waste and the seven wastes associated with manufacturing (TIM WOOD)
- Benefits and challenges of adopting lean
- The lean toolkit
- Challenges of adopting lean: how can lean be adopted in the supply chain?
- Benefits of lean from the customer and employee perspective

## Entry Requirements:

To be discussed at the course interview.

## Fees and Financial Support:

This course is FREE to adult learners aged 19+ who are already working in this sector.

## Progression:

You could progress onto a full Level 4 course within the sector.

## What else do I need to know?

This course is funded by the UK Government through the UK Shared Prosperity Fund.

## How do I find out more?

For more information, contact Kelly Hannaford by emailing [kelly.hannaford@nscg.ac.uk](mailto:kelly.hannaford@nscg.ac.uk)