

ENGINEERING

T-LEVEL MECHANICAL ENGINEERING



WHO IS THIS COURSE FOR?

Those who have an analytical mindset and would like to develop a career in engineering, progressing to higher apprenticeships or university.

WHAT QUALIFICATIONS DO I NEED?

A minimum of 5 GCSE subject graded 9-4 or equivalent, including English, Maths and Science.

WHAT WILL I LEARN?

You will develop an understanding of a broad range of issues relevant to the engineering and manufacturing sector.

- Working in the sectors.
- Developing an understanding of how materials, conditions and context influence design processes and products.
- Essential maths for engineering and manufacturing.
- Understanding materials and their properties, including processing techniques and their effects on materials and material quality; the condition of materials; how these are managed; and materials testing methods and techniques.
- The basic principles of business, commercial and financial awareness, including commercial priorities and markets, customers/clients/ partners and resource allocation.

You will also complete a module of occupation-specific content in Design Mechanical Engineering.

On your industry placement, you will work alongside professionals, possibly working on a real-life engineering project.

WHY CHOOSE US?

Our multimillion pound Centre for Excellence in Engineering provides:

- specialist labs and workshops with industry standard equipment
- industry experienced teaching team
- students who represent team UK in World Skills Competitions
- established employer links with Sellafield Ltd, HUSCO, ISG and KraftHeinz to help secure placement opportunities.

WHAT COULD I DO AFTER THE COURSE?

You may take up a role as a design mechanical engineer / CAD (Computer Aided Design) specialist. Further study may lead to roles such as Manufacturing Engineer, Maintenance Engineer or Mechanical Engineer.

As the T Level is equivalent to three A Levels, you could decide to progress to university or a higher apprenticeship.



If you have any queries please contact our Admissions Team: **01942 761 111** or email: applications@wigan-leigh.ac.uk