



T Level - Design and Development for Engineering and Manufacturing - EG303

T Level - Design and Development for Engineering and Manufacturing qualification will equip you with the skills, knowledge and industry experience to start your journey into this thriving sector.

Designed by industry leaders the T Level combines hands on learning, academic study and a minimum 45-day industry placement.

This qualification is for you if you want to work within the engineering and manufacturing industry.

It has been designed to deliver a high level of knowledge about the engineering industry as well as the occupational skills you will need to enter the industry — also known as threshold competence.

COURSE DETAILS

The qualification will help you gain an understanding of the engineering industry and the sector, and you will cover topics such as:

- Processes of production and manufacturing
- Materials used in production, manufacturing, research and design environments
- Specialist machinery utilised in the production and manufacturing environments
- Product and project management
- Quality assurance and quality control
- Business, commercial and financial awareness

You will also get the opportunity to specialise in:

- Design and Development for Engineering and Manufacturing - Mechanical Engineering

You will work in the engineering workshops and our state of the art CAD suite to gain a range of core practical engineering skills, whilst attending theory lessons conducted in classrooms. An industry-based work placement will run alongside your course further reinforcing your newly learned skills and offering a true insight into the engineering industry.

ENTRY GUIDELINES

This is a Study Programme for students aged 16-18 years.

To study a T Level, you will need:

A minimum of 5 GCSEs at Grades 4-9 including English and Maths

OR

Relevant Level 2 qualifications at merit or above and English and Maths at Grade 4 or above.

OR

T-Level foundation programme and English and Maths at grade 4 or above

Applicants should be ready to complete a work placement.

If English is not your first language, you may need an assessment before enrolling on this course. To discuss further, please contact the ESOL department on 0151 551 7144

EQUIPMENT REQUIRED

- Flame retardant overalls
- Steel toe capped boots
- Workshop gloves
- Welding mask
- Welding gauntlets

ASSESSMENT METHOD

The course is assessed through a combination a written work, examinations, and practical assessments.

ADDITIONAL INFORMATION

A key component of this course is an extended work experience placement, totalling at least 45 days over the two year programme.

Wirral Met have excellent links with employers within the Engineering sector and will work with you to find the right placement for you.

WHERE CAN I PROGRESS TO?

You could progress into a skilled profession or continue your studies with a degree or higher apprenticeship.

Career options might include:

- CAD technician
- 3D Printing technician
- Mechanical design engineer
- Mechanical research and development engineer

WHEN DOES THIS COURSE RUN?

CAMPUS	STARTS	ATTENDANCE	COURSE CODE	PLANNED TIME TABLE
	08th Sep 2025	Full Time	EG303-25	

For advice and guidance, please contact Student Services via our [online enquiry form](#)

This information was current on 12th July, 2025 and may be subject to change.