



Greater Peterborough UTC

T-LEVELS

2025/2026

T-LEVELS
THE NEXT LEVEL QUALIFICATION

'CREATING THE WORKFORCE OF TOMORROW'

Why Pick Greater Peterborough UTC for T-Levels

GPUTC has an employer led curriculum focused on Science, Technology, Engineering and Maths.

Our industry links focus on the skills and behaviours needed for the 21st century workplace.

Our partners support us in many different ways by advising on skills needed, providing focused placements, running workshops, support curriculum design and also access to specialist industry equipment.

Our links with industry continue to expand within GPUTC and our Sixth Form. Students have more opportunities to excel and stand out more than any other local school.



'Pupils understand the uniqueness of the school and its curriculum. There is an emphasis on Science, Technology, Engineering and Mathematics (STEM) subjects. Pupils enjoy working in their well-equipped engineering suites and learning through their carefully planned project-based activities.'

GPUTC's Industry Partners



T- Level Pathways September 2024

Design and Development for Engineering and Manufacture

WHAT WILL YOU LEARN?

Year 1 – ENGINEERING – CORE KNOWLEDGE

- 1 Working within the engineering and manufacturing sectors**
- 2 Engineering and manufacturing past, present, and future**
- 3 Engineering representations**
- 4 Essential mathematics for engineering and manufacturing**
- 5 Essential science for engineering and manufacturing**
- 6 Materials and their properties**
- 7 Mechanical principles**
- 8 Electrical and electronic principles**
- 9 Mechatronics**
- 10 Engineering and manufacturing control systems**
- 11 Quality management**
- 12 Health and safety principles and coverage**
- 13 Business, commercial and financial awareness**
- 14 Professional responsibilities, attitudes, and behaviours**
- 15 Stock and asset management**
- 16 Continuous improvement**
- 17 Project and programme management**



T- Level Pathways September 2024

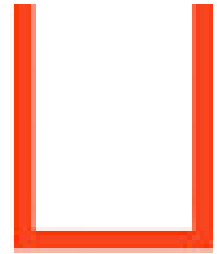
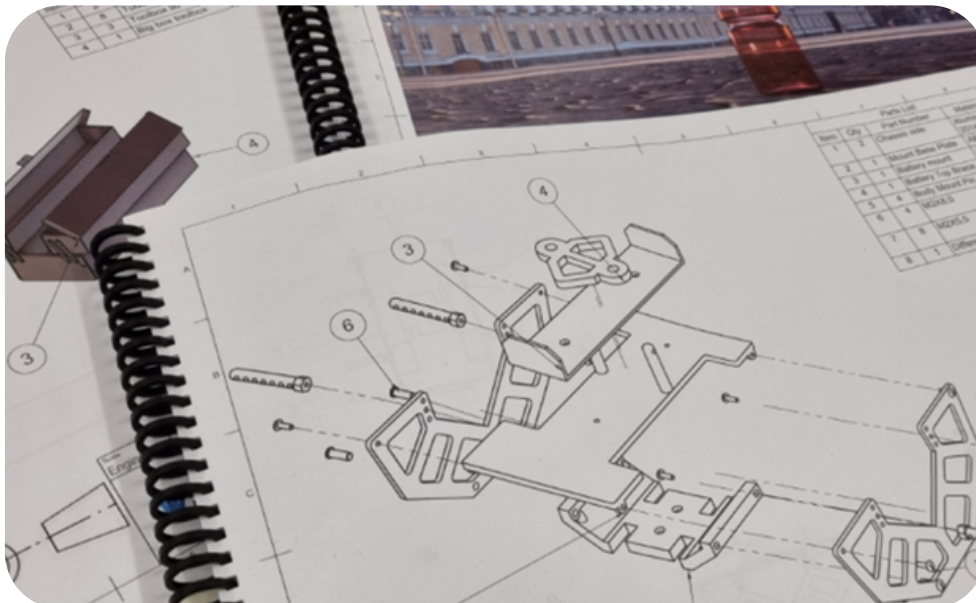
Design and Development for Engineering and Manufacture

WHAT WILL YOU LEARN?

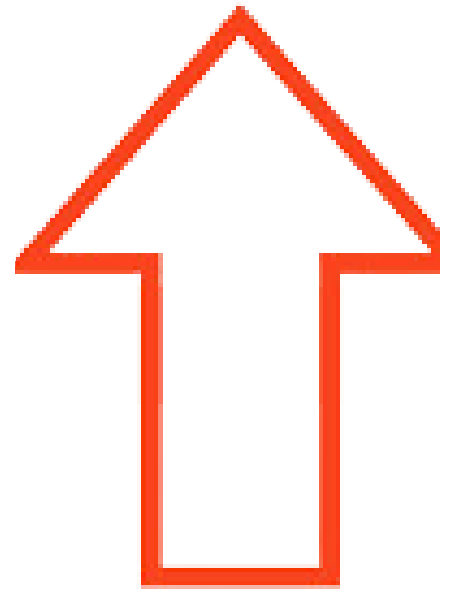
YEAR 2 – OCCUPATIONAL SPECIALISM – CORE KNOWLEDGE

Learners will develop their knowledge and understanding of, and skills in:

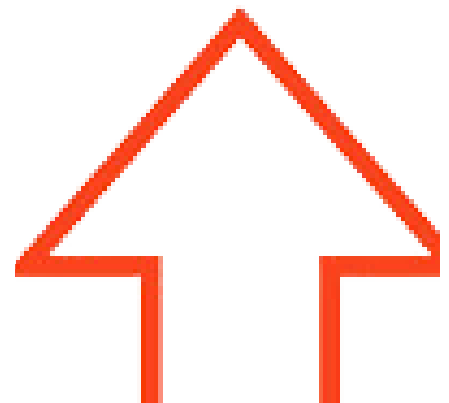
- Knowledge of design methodologies and processes.
- Knowledge of the tools, equipment and materials used in mechanical engineering
- Knowledge of mathematical theories and methods used in mechanical engineering
- Skills in producing mechanical drawings and representations
- Skills in designing and developing working models
- Skills in testing models and prototypes



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Year 1 – HOW IS IT ASSESSED AND GRADED

The core component will be assessed by two exams and an employer set project

Assessment Component	Method	Duration	Marks	Weighting	Marking
Paper 1 Engineering Principals	External Exam	2.5 hours	100	35%	Externally Marked
Paper 2 Working in Engineering	External Exam	2.5 hours	100	35%	Externally Marked
Employer Set Project	Externally Set Project	18.5 hours	90	30%	Externally Marked

Year 2– HOW IS IT ASSESSED AND GRADED

Assessment Component	Method	Duration	Marks	Weighting	Marking
Occupational Specialism Mechanical Engineering	Externally set Assignment	34 Hours	90	100%	Externally Moderated

At least 10 days in the 1st year of study and completed in Year 2 – it is a unique part of a T-Level. This is the time students spend on an industry placement (minimum of 315 hours/around 45 days) or around 20% of their course. This give students an invaluable opportunity to put their new knowledge and skills into practice and understand the world of work.

Placements differ from traditional work experience as they are significantly longer and students are expected to complete meaningful work for the employer



**Greater Peterborough UTC
Sixth Form
Park Campus
Park Crescent
Peterborough
PE1 4DZ**



JOIN GREATER PETERBOROUGH UTC

To make an application, please complete an application using this QR code, alternatively this can be located on our website at www.gputc.org

