

T Level in Engineering and Manufacturing Information for Higher Education Providers

	Description	
What are T Levels?	T Levels were introduced by the Government and first launched in September 2020. They are a new full-time two-year Level 3 programme of study that provides students with the technical knowledge and practical skills valued by industry.	
Who are T Levels for?	T Levels are aimed at 16-to-19-year-old students who want to continue their post-16 technical education and gain knowledge and skills to progress into higher education and/or employment. They will become one of the main choices as an alternative to A levels and apprenticeships straight after GCSEs.	
What is the core purpose of the qualification?	The new T Level Technical Qualifications (TQs) in Engineering and Manufacturing has been designed to equip students with a high level of knowledge and skills which are valued within the engineering sector. These skills are further developed through knowledge topics such as essential mathematics and science, project management, stock and asset control, quality management, and how to work safely. The occupational pathways have been designed so students can gain an understanding of how to apply their acquired knowledge and skills within different occupational specialisms and industries such as mechanical, electrical, electric vehicles, and composite manufacturing.	
How many pathways are there?	There are three pathways (below) each TQ with their own occupational specialisms <ul style="list-style-type: none"> • Design and Development for Engineering and Manufacturing • Maintenance, Installation and Repair for Engineering and Manufacturing • Engineering, Manufacturing, Processing and Control. 	
What are the progression routes?	Students can decide to continue to higher-level technical studies or progress onto a degree level apprenticeship.	
Example of the progression routes to higher education may include	<ul style="list-style-type: none"> • Electrical and Electronic Engineering • Mechanical Engineering • Marine Technology • Aerospace Technology • Aircraft Engineering 	<ul style="list-style-type: none"> • Civil Engineering • Manufacturing Engineering • Engineering Design • Mechatronic Engineering. • Motorsport Engineering
How are T Levels structured?	A T Level is made up of a number of components <ul style="list-style-type: none"> • Technical Qualification (TQ) • Industry placement of a minimum of 315 hours • Employability, enrichment and pastoral requirements Students must continue to study maths and English if they haven't already achieved Level 2 (GCSE grade 4). HEIs may have a prerequisite requirement for maths and English. Other requirements: T Level panels may set additional occupation-specific requirements.	

How to contact us

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<p>How is the Technical Qualification in the T Level assessed?</p>	<p>The core component consists of an externally set and externally marked written exam (two dated papers consisting of a mix of short, structured, and challenging extended response questions). One paper focuses on the mathematical and science content specific to Engineering and the other paper focuses on engineering in context.</p> <p>A substantial employer-set project (ESP) that is externally set and externally marked. The ESP will consist of a well-defined, industry style brief. The brief will be complex and non-routine, and will require the use of relevant maths, English, and digital skills. The core is graded A*-E the same as an A level.</p> <p>The occupational specialism (OS) is a substantial synoptic assignment made up of a series of tasks assessing application of occupational knowledge and skills. OSs are externally set, internally marked, and externally moderated; graded Pass, Merit, and Distinction.</p>																																	
<p>How are T Levels graded?</p>	<p>Students who complete their T Level will receive an overall grade of Pass, Merit, Distinction or Distinction*. They will get a nationally recognised certificate which will show their overall grade and a breakdown of what they have achieved. Each T Level will have a look-up table as shown below to illustrate how the final overall T Level grade has been awarded.</p> <table border="1" data-bbox="343 705 1300 1131"> <thead> <tr> <th colspan="2" rowspan="2"></th> <th colspan="3">Occupational Specialism Grade</th> </tr> <tr> <th>Distinction</th> <th>Merit</th> <th>Pass</th> </tr> </thead> <tbody> <tr> <td rowspan="6">Core Component Grade</td> <td>A*</td> <td>Distinction*</td> <td>Distinction</td> <td>Distinction</td> </tr> <tr> <td>A</td> <td>Distinction</td> <td>Distinction</td> <td>Merit</td> </tr> <tr> <td>B</td> <td>Distinction</td> <td>Merit</td> <td>Merit</td> </tr> <tr> <td>C</td> <td>Merit</td> <td>Merit</td> <td>Pass</td> </tr> <tr> <td>D</td> <td>Merit</td> <td>Pass</td> <td>Pass</td> </tr> <tr> <td>E</td> <td>Pass</td> <td>Pass</td> <td>Pass</td> </tr> </tbody> </table>			Occupational Specialism Grade			Distinction	Merit	Pass	Core Component Grade	A*	Distinction*	Distinction	Distinction	A	Distinction	Distinction	Merit	B	Distinction	Merit	Merit	C	Merit	Merit	Pass	D	Merit	Pass	Pass	E	Pass	Pass	Pass
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<p>What UCAS Tariff points are available?</p>	<p>UCAS tariff points have been allocated to T Levels.</p> <p>UCAS points will only be allocated to the overall T Level grade and students must achieve at least an overall pass grade to receive UCAS points.</p> <p>The size and rigour of a T Level programme is comparable to a 3 A level programme. Therefore, T Levels will attract UCAS points in line with those allocated to 3 A levels. This alignment is based on a notional comparison of standards with A levels and other level 3 qualifications.</p> <table border="1" data-bbox="343 1467 1396 1780"> <thead> <tr> <th>UCAS tariff points</th> <th>Description</th> <th>A level</th> </tr> </thead> <tbody> <tr> <td>168</td> <td>Distinction*</td> <td>A* A* A*</td> </tr> <tr> <td>144</td> <td>Distinction</td> <td>AAA</td> </tr> <tr> <td>120</td> <td>Merit</td> <td>BBB</td> </tr> <tr> <td>96</td> <td>Pass (C or above on the core)</td> <td>CCC</td> </tr> <tr> <td>72</td> <td>Pass (D or E on the core)</td> <td>DDD</td> </tr> </tbody> </table>	UCAS tariff points	Description	A level	168	Distinction*	A* A* A*	144	Distinction	AAA	120	Merit	BBB	96	Pass (C or above on the core)	CCC	72	Pass (D or E on the core)	DDD															
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<p>Do you require further information?</p>	<p>Download City & Guilds HEI admissions guide and DfE occupational maps.</p> <p>Tel: 0300 303 5352 Email: Technical.Quality@cityandguilds.com Visit: cityandguilds.com/tlevels/construction-bse</p>																																	

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