

T Level in Engineering and Manufacturing information for Higher Education Providers

	Description	
What are T Levels?	T Levels were introduced by the government and are a 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 have 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 to continue to higher-level technical studies or 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 <p>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.</p>	

<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. 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 is a timed controlled assessment consisting 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.</p> <p>Engineering and Manufacturing T Levels grading table</p> <table border="1" data-bbox="335 694 1292 1108"> <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>Distinction</td> <td>Merit</td> <td>Pass</td> </tr> <tr> <td>D</td> <td>Merit</td> <td>Merit</td> <td>Pass</td> </tr> <tr> <td>E</td> <td>Merit</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	Distinction	Merit	Pass	D	Merit	Merit	Pass	E	Merit	Pass	Pass
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<p>What UCAS Tariff points are available?</p>	<p>UCAS points are allocated to the overall T Level grade, and to support students that partially achieve their T Level, UCAS tariff points are available for both elements of the TQ:</p> <ul style="list-style-type: none"> • Pass for core component and completion of industry placement • Pass for occupational specialism and completion of industry placement <p>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="335 1523 1388 1825"> <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 Tel: 0300 303 5352 Email: Technical.Quality@cityandguilds.com Visit: cityandguilds.com/tlevels/engineering</p>																																	