

# ***T LEVELS***

***DESIGN, SURVEYING  
AND PLANNING FOR  
CONSTRUCTION***



***TL***

# ***WHAT IS A T LEVEL?***

- New, **two year technical education courses** for 16-19 yr olds that will follow GCSEs
- Developed **in collaboration with employers**, and based on the same standards as apprenticeships
- Course includes **a mixture of classroom learning (80%) and ‘on-the-job’ experience (20%)** during an industry placement of a minimum of 45 days
- T Levels comprise **a mix of practical tasks, projects and exams**
- Progression options include **skilled employment, further study or a higher apprenticeship** (T Levels will attract UCAS points)
- More rigorous and substantial than most existing technical qualifications, with longer teaching time – **one T Level is comparable in size to 3 A levels.**

# ***HOW IS A T LEVEL DIFFERENT FROM AN APPRENTICESHIP?***

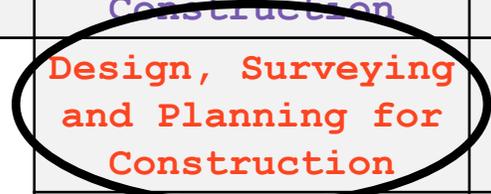
- **Apprenticeships are paid work**, suitable for students who know what occupation they want to pursue and wish to train 'on the job' (80% in the workplace, 20% off the job)
- **T Levels are largely classroom based**, with a substantive **industry placement (80% in the classroom, 20% in the workplace)**
- T Levels will offer a **broader course content**, and students will specialise later in their programme. Apprenticeships content is **narrower and focussed on a specific occupation** from the outset
- On completion of their course, **T Level students will be ready to start work in their chosen area**. Apprentices will be 'occupationally competent' on completion of their course
- **Both** can lead to higher level apprenticeships or higher education

# T LEVEL ROLLOUT

T Levels for 2020 delivery  
T Levels for 2021 delivery

T Levels for 2022 delivery  
T Levels for 2023 delivery

AGRICULTURE, ENVIRONMENTAL AND ANIMAL CARE ROUTE	BUSINESS AND ADMINISTRATIVE ROUTE	CATERING AND HOSPITALITY ROUTE	CONSTRUCTION	CREATIVE AND DESIGN ROUTE
Agriculture, Land Management and Production	Human Resources	Catering	Building Services Engineering for Construction	Craft and Design
Animal Care and Management	Management and Administration		Design, Surveying and Planning for Construction	Media, Broadcast and Production
			Onsite Construction	



DIGITAL ROUTE	EDUCATION AND CHILDCARE ROUTE	ENGINEERING & MANUFACTURING ROUTE	HAIR AND BEAUTY ROUTE	HEALTH AND SCIENCE ROUTE	LEGAL, FINANCE & ACCOUNTING ROUTE
Digital Business Services	Education and Childcare	Engineering and Manufacturing Design and Development	Hair, Beauty and Aesthetics	Health	Accounting
Digital Production, Design and Development		Maintenance, Installation and Repair for Engineering and Manufacturing		Healthcare Science	Finance
Digital Support and Services		Engineering, Manufacturing, Processing and Control		Science	Legal

Around 46 colleges, schools and other providers will teach in 2020. A further 63 expect to teach in 2021 and recently announced the 88 who will deliver from 2022

**TL**

# **ONE AWARDING BODY HAS EXCLUSIVE RIGHTS TO DELIVER EACH T LEVEL TECHNICAL QUALIFICATION**

The Institute for Apprenticeships and Technical Education lead the procurement of Awarding Organisations for each T Level



**Institute for Apprenticeships  
& Technical Education**

In February 2019 **Pearson** was awarded the **contract to deliver the T Level in Design, Surveying and Planning for Construction** (City and Guilds was awarded contracts for the Onsite Construction and the Building Services Engineering for Construction T Levels, delivered from 2021)



**Pearson | Qualifications**

Pearson published the qualification specification in April: <https://www.instituteforapprenticeships.org/t-levels/approved-t-level-technical-qualifications/>

# **T LEVEL PROGRAMME**

**1800 Hrs over 2 years**

## **TECHNICAL QUALIFICATION (TQ) 900-1400 GLH**

### **CORE**

- Up to half the qualification
- Knowledge and understanding of the concepts, theories and principles relevant to that sector
- Assessed through an external examination and a substantial project

### **OCCUPATIONAL SPECIALISM**

- At least half of the qualification
- Knowledge and skills required to enter employment in that occupational specialism
- As close to full competence as possible
- English, maths and digital competence integrated where relevant

### **T LEVEL INDUSTRY PLACEMENT**

- Between 315-420 hours
- Undertaken with an external employer
- Chance to apply skills and apply knowledge in a workplace environment
- Support for travel and subsistence costs but employers not expected to pay students

### **ENGLISH AND MATHS REQUIREMENTS**

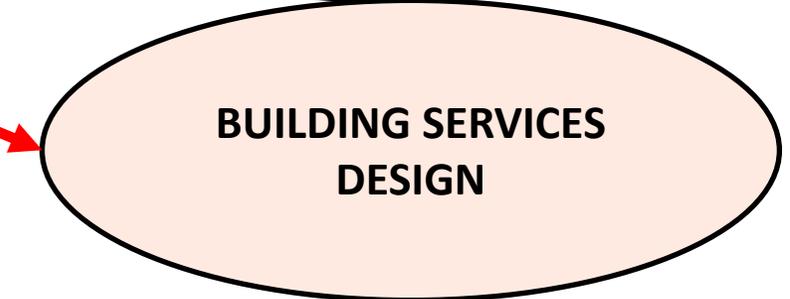
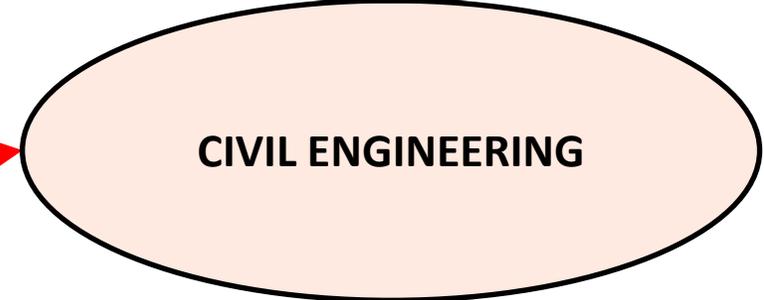
- Students required to achieve a level 2 in English and maths
- Either GCSE (grade 4 and above) or level 2 Functional Skills (pass)

### **ADDITIONAL MANDATORY REQUIREMENTS**

- Occupation-specific requirements included where possible if essential to enter employment

# CONSTRUCTION T LEVEL DELIVERED FROM 2020

# OCCUPATIONAL SPECIALISMS



Students undertaking this T Level will be able to choose **one** of four Occupational Specialisms

# **CONSTRUCTION T LEVELS DELIVERED FROM 2021**

# **OCCUPATIONAL SPECIALISMS**

**ONSITE  
CONSTRUCTION**

**Carpentry and  
Joinery**

**Plastering**

**Bricklaying**

**Painting and  
Decorating**

**BUILDING SERVICES  
ENGINEERING FOR  
CONSTRUCTION**

**Electrotechnical  
Engineering**

**Gas Engineering**

**Air Conditioning  
Engineering**

**Protection Systems  
Engineering**

**Plumbing**

**Refrigeration  
Engineering**

**Ventilation**

**Heating  
Engineering**

**Electrical and  
Electronic Equipment  
Engineering**

## ***WHO IS THIS T LEVEL FOR AND WHAT IS ITS PURPOSE?***

- Students who want to progress to a career in the construction sector, with a focus on design and surveying.
- The purpose of the T Level is to ensure students have the knowledge and skills needed to progress into highly skilled employment, an Apprenticeship or higher level study, including university, within the specialist area of design and surveying.
- At the end, students are expected to demonstrate **threshold competence**, which means that they have gained the core knowledge and skills related to construction design and surveying - and are well placed to develop full occupational competence with additional development and support once in employment in the construction sector.

# TOTAL QUALIFICATION TIME, GUIDED LEARNING HOURS AND ASSESSMENT

T Level Technical Qualification in Construction: Design, surveying and Planning for Construction			
Total Guided Learning Hours (GLH)		Total Qualification Time (TQT)	
1200 GLH		1470 TQT	
Core Component		Occupational Specialist Component:	
GLH	TQT	GLH	TQT
600 GLH	810 TQT	600 GLH	660 TQT

This component covers the underpinning knowledge, concepts and skills that supports threshold competence in the Construction industry. **It will be assessed by two externally set Core Examinations and an Employer Set Project.**

These components cover the occupational specialist knowledge and skills required to demonstrate threshold competence for the specialism. **Each Occupational Specialism will be assessed by a skills-related project** that synoptically assesses the performance outcome skills and associated underpinning knowledge.

# ***OUTLINE CONTENT DEVELOPED BY PANELS OF EMPLOYERS AND EDUCATION EXPERTS***



- Employers from a range of organisations (including RBA Mueller Ltd, Institution of Civil Engineers, Skanska UK Plc, the British Army and Build UK ) have been involved in developing the content for the T Level
- This will ensure that content meets the needs of the Construction industry

Bruce Boughton, People Development Manager, Lovell Partnerships said:

*“With the ongoing skills shortages in both the construction trades and professions, industry placements give us a chance to see and work with young people as a shortcut in the recruitment process. Having spent nearly three months working with us, they are already part of the team and understand the company and how we work.”*

# ***CORE CONTENT***

- Health and safety
- Science
- Measurement
- Building technology
- Information and data
- Digital technology
- Construction mathematical techniques
- Design
- Construction and the built environment industry
- Sustainability
- Relationship management
- Commercial business
- Project management
- Law.

# ***OCCUPATIONAL SPECIALISMS CONTENT***

## **Surveying and Design for Construction and the Built Environment**

- measuring the built environment
- analysing the built environment
- designing the built environment
- verifying the delivery of the built environment

## **Civil Engineering**

- analysing civil engineering solutions
- designing civil engineering solutions
- verifying the delivery of civil engineering solutions

## **Building Services Design**

- analysing building services solutions
- designing building services solutions
- verifying the delivery of building services solutions

## **Hazardous Materials Analysis and Surveying**

- inspecting the built environment
- identifying hazardous materials
- analysing hazardous materials.

# GRADING, CERTIFICATION AND UCAS TARIFF POINTS

- Students who complete their T Level will receive an overall grade of **pass, merit, distinction or distinction\***. They will get a **nationally recognised certificate**.
- Students who do not pass all elements of their T Level will get a **T Level statement of achievement** which will show the elements they have completed

- **UCAS points** will be awarded to the overall T Level grade
- The tariff is based on an alignment of intended standards with other Level 3 qualifications, including A Levels

UCAS tariff points	T Level overall grade	A level
168	Distinction* (A* on the core and distinction in the occupational specialism)	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

# ***INDUSTRY PLACEMENTS***

- Minimum of **315 hours** (approx. 45 working days)
- **T Level provider** is responsible for finding the placement
- Can be **split across two employers** if needed
- **No legal requirement or expectation that T Level students will be paid** – but employers can choose to if they wish
- Industry placements should be **linked to the student's specialism**
- **We have introduced flexibilities for students taking Construction T Levels**, who can:
  - begin their placement within an established **skills hub** or employer's **training centre** for a maximum of 105 hours
  - **split** the hours across **subcontractors or supply chains** provided one employer facilitates the full 315 hour placement

# PROGRESSION OPTIONS

Job roles could include:

- Surveying Technician
  - Civil Engineering Design Technician
  - Digital Engineering Technician
  - Civil Engineering Technician
  - Building Services Engineering Design Technician
  - Architectural Technician
  - Asbestos Analysis Surveyor
  - Construction Design Coordinator
  - Transport Planning Technician
  - Rail Engineering Design Technician
- 
- Alternatively, students could progress to an apprenticeship, relevant Higher National Certificate (HNC) or Higher National Diploma (HND) programmes or construction degree programmes



## ***T LEVELS CONTEXT***

- **T Level Transition Programme** (targeted at students who are not ready to start a T Level but have potential to progress to one) - phased implementation starts with a small number of providers from this September.
- **Review of qualifications at level 3 and below** continues - aiming to simplify the qualifications landscape. Second stage will consult on firm proposals for change and criteria for funding
- The consultation on **Higher Technical Education** (levels 4-5) in England closed on 29 September 2019. The government response has been announced today.
- **FE reform programme** - White Paper aimed at delivering ambitious reform for the FE sector.

## **WHERE CAN I FIND OUT MORE?**

**Communications campaign launched in October 2019 – activities such as social media and on demand TV advertising will widen and increase in line with T Level rollout**

**T Levels Website**  
[www.tlevels.gov.uk](http://www.tlevels.gov.uk)

**FIND A T LEVEL NEAR YOU**

Enter your postcode

Search

**T Level Action Plans**

<https://www.gov.uk/government/publications/t-level-action-plan>

**Detailed T Level information on gov.uk**

<https://www.gov.uk/government/publications/introduction-of-t-levels>

**Qualification specification for Design, Surveying and Planning for Construction**

<https://qualifications.pearson.com/en/qualifications/t-levels/design-surveying-and-planning.html>

**Industry placement case studies**

<https://www.aoc.co.uk/teaching-and-learning/t-level/industry-placement-case-studies>



 **Pearson | Qualifications**

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