


# City & Guilds T Levels

Alison Whittle

Post 16 Technical Adviser (Education)

**T-LEVELS**

 Institute for Apprenticeship  
& Technical Education

- The T In T Level - T Levels and sectors we offer
- Approaches to teaching and learning
- Overview of each T Level
- Resources and support

A City & Guilds Group Collaboration

## Transferrable Professional Skills

- Sector and industry understanding
- Cross sector Technologies and Innovation
- Employment and professional skills  
maths, English and digital

## T Shaped Learning model

### Technical Knowledge and Experience

Subject and Technical knowledge

Practical knowledge and application

Subject and technical discourse

## Transferrable Personal Qualities

- Critical thinking & problem solving
- Soft skills employability (personal and enterprise)
- Active leadership and collaboration

# Approaches to Teaching and Learning

- C&G Centre Support
- Challenges
- Differences
- Similarities
- Policy
- Roles of External Stakeholders in T Levels
- Progression



# Centre support

Welcome to the Resource and Support Hub for T Level Technical Qualifications.

Here you'll find a range of teaching, learning and planning resources for tutors as well as information and support regarding approval, quality assurance, registration, bookings, timelines, fees and communications for all staff.

## THE NEXT LEVEL QUALIFICATION

### T LEVELS

→ Employers

→ Providers

→ Learners

→ Transition programmes

→ Resource Hub

→ Events and webinars

→ Podcasts

→ FAQs

Contact us

Quality team:

E: [Technicals.Quality@cityandguilds.com](mailto:Technicals.Quality@cityandguilds.com)

T: 0300 303 5352

Lines open: Monday to Friday 08.30 to 17.00 GMT

Centre Support team:

Approval and quality assurance



Specifications and centre documents



Contact update form



Teaching, learning and planning resources



Registration, bookings and results



Fees



Curriculum delivery planners



Tutor resources



Assessment guidance



Post-results services



Communications archive



Rectangular Strip

T-LEVELS



## Pre-delivery providers: Annual Calendar 2022/23

### T Level Technical Qualifications in Engineering and Manufacturing

- Maintenance, Installation and Repair (MIR) for Engineering and Manufacturing (8712)
- Engineering, Manufacturing, Processing and Control (MPC) (8713)
- Design and Development (D&D) for Engineering and Manufacturing (8714)

■ Key dates ■ Events

September '22	October '22	November '22	December '22	January '23	February '23
<b>September</b> HEI guide and learner flyer published on the website	<b>October</b> Quarterly e-bulletin published	<b>16th</b> Network webinar (recorded) T Level familiarisation: high level overview of D&D TQ	<b>December*</b> Network webinar (recorded) Approvals support *Date TBC	<b>January</b> Quarterly e-bulletin published	<b>10th</b> Network event Centre support via MS Teams T Level pathways
<b>September</b> 12-month countdown to first teaching (2023) begins	<b>12th</b> Network webinar (recorded) Introduction to T Levels	<b>17th</b> Network webinar (recorded) T Level familiarisation: high level overview of MIR TQ		<b>18th</b> Network webinar (recorded) Curriculum planning and delivery models	<b>24th</b> Network event Centre support via MS Teams *Ask the Expert! T Level pathways
		<b>18th</b> Network webinar (recorded) T Level familiarisation: high level overview of MPC TQ			
March '23	April '23	May '23	June '23	July '23	August '23
<b>March*</b> Regional network events *Date and location TBC	<b>April</b> Quarterly e-bulletin published	<b>12th</b> Network event Centre support via MS Teams *Ask the Expert! MIR Core component & OS	<b>June</b> Exam timetable and key dates schedules published	<b>July</b> Quarterly e-bulletin published	<b>August*</b> Regional network events *Date and location TBC
	<b>19th</b> Network webinar (recorded) Review of Core component	<b>May*</b> Regional network events *Date and location TBC	<b>June*</b> Regional network events *Date and location TBC	<b>7th</b> Network event Centre support via MS Teams *Ask the Expert! MPC Core component & OS	
	<b>27th</b> Network webinar (recorded) Preparation to teach T Levels		<b>23rd</b> Network event Centre support via MS Teams *Ask the Expert! D&D Core component & OS		
	<b>April*</b> Regional network events *Date and location TBC				

If you have any questions, please contact us:

E: [technicals.quality@cityandguilds.com](mailto:technicals.quality@cityandguilds.com) | T: 0300 303 5352 | W: [cityandguilds.com/tlevels/engineering](https://www.cityandguilds.com/tlevels/engineering)



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<https://www.cityandguilds.com/tlevels/resources>

# Onsite Construction

Construction T Level has 3 different routes. C&G have developed the Onsite and BSE routes of the T Level

First delivery September 2022 now in the second year.

To understand how the construction industry will be shaped in the future the core element will cover:

- Health and safety
- Construction science principles
- Building technology
- Digital technology in construction
- Sustainability

## Core

(Assessed by two externally set and marked exams and an employer set project)



Onsite Construction

## Group B Combination Occupational Specialisms:

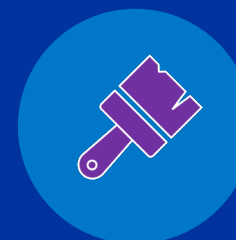
(Assessed by an externally set and moderated practical synoptic assignment)



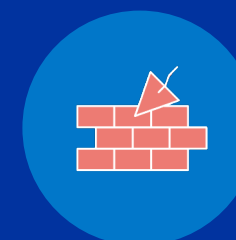
Carpentry & joinery



Plastering



Painting & decorating



Bricklaying

# Building Services Engineering

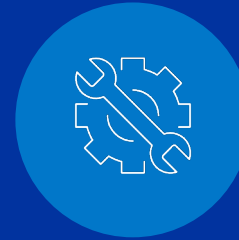
First delivery September 2022 now in the second year.

To understand how the BSE industry will be shaped in the future the core element will cover :

- Design principles
- Project management/stakeholder management
- Innovation and sustainability
- Digital engineering techniques
- Mathematical techniques to solve construction problems
- Building technology principles
- Building services engineering systems

## Core

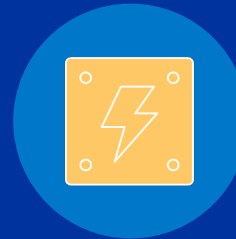
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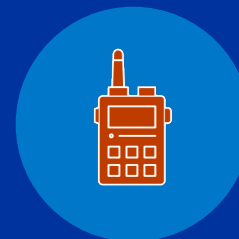
Building Services Engineering

## Group A Standalone Occupational Specialisms:

Occupational Specialism, either grouped (bottom set) or single (top set) (Which is assessed by a practical assignment for each Occupational Specialism)



Electrotechnical engineering



Electrical and Electronic equipment engineering

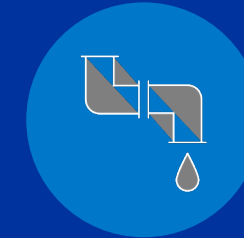


Protection system engineering



Gas engineering

## Group B Combination Occupational Specialisms:



Plumbing engineering



Heating engineering



Heating engineering



Ventilation



Refrigeration engineering



Air condition engineering

# Engineering and Manufacturing

First delivery September 2023

Core subjects will cover:

- Essential mathematics and science for engineering
- Electrical and electronic principles
- Mechatronics
- Engineering and manufacturing control system
- Project management
- Materials and their properties
- Stock and asset control
- Quality management

## Core

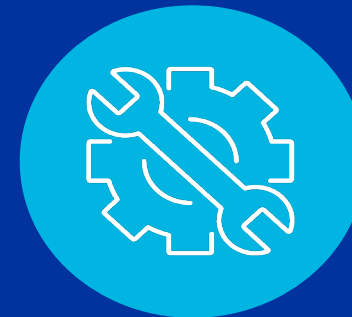
(Assessed by two externally set and marked exams and an employer set project)

Core

## Pathways



Design & Development for  
Engineering and  
Manufacturing



Maintenance, Installation  
& Repair for Engineering  
and Manufacturing



Engineering,  
Manufacturing,  
Processing and Control

+1 Occupational specialism within a pathway from 13 available occupational specialisms

# Management and Administration

First delivery September 2023

Core subjects will cover:

- Project management
- Research and analysis techniques
- Approaches to logical problem solving  
Develop effective business communication skills.
- Organisational structures and cultures
- Financial management.

Core:



(Assessed by two externally set and marked exams and an employer set project)

Occupational Specialisms:



(Assessed by a practical assignment for each Occupational Specialism)



# T Level in Agriculture, Environment and Animal Care: Technical Qualification Structure



Animal Care and Management pathway



Agriculture, Land Management and Production pathway

(available from September 2024)

**Common Core** (available from September 2023)

Core Pathway:

Animal

Horticulture, Crop Production, Trees and Woodlands

Floristry

Land-based Engineering

Livestock Production

Occupational Specialism (OS)

Animal Care and Management

Animal Care and Science

Ornamental and Environmental Horticulture and Landscaping

Crop Production

Trees and Woodlands Management

Floristry

Land-based Engineering

Livestock Production

OS Pathway:

Forestry

Arboriculture

**Assessment:**

- Core + Pathway: Written exam & Employer Set Project
- OS: Synopsis Assignment

# Progression routes

- Based on the occupational maps –we have mapped out potential progression routes for each T Level [instituteforapprenticeships.org-occupational-maps](https://instituteforapprenticeships.org-occupational-maps)
- Employment via accelerated apprenticeships (level 3)-where full occupational competence is required.
- Higher apprenticeships levels 4 and 5
- Higher Technical Qualifications (HTQs levels 4 and 5)
- Higher Education foundation and degree courses where applicable aligned to each T Level content.

## Example of potential progression routes for Management and Administration pathway

Apprenticeships/HTQs (this list is not exhaustive)	Level	Potential entry requirements
Information manager (+15 additional apprenticeship titles)	4	TBC-5 GCSEs including English and maths–T Level pass overall
Improvement Specialist (+4 additional apprenticeships)	5	TBC-5GCSEs including English and maths T Level pass overall
<b>HTQ's (in development)</b> Coaching Professional Information Manager Learning and development consultant business partner Operations or departmental manager School Business Professional	4/5	Completion and pass of T Level (or level 3 qualification)
<b>Degree courses (this list is not exhaustive)</b>		Each HEP will state their own entry requirements ( below are examples of suggested entry requirements)
BSc (Hons) International Business Management with foundation year BSc (Hons) Business Management with Law with foundation year FdA Business management	6	<b>Suggested entry criteria for entry onto F1d year to BSc/ BA</b> <ul style="list-style-type: none"> <li>• Core component-C/D/E</li> <li>• Occupational Specialism Grade-Pass</li> <li>• Overall T Level Grade-Pass</li> <li>• UCAS points 72-96</li> </ul>
BA (Hons) Business and Marketing Management BA (Hons) International Business Management BA (Hons) Business Management with Law BA (Hons) Business and Public Relations BA (Hons) Business Management and Leadership BSc (Hons) Business Management and Sustainability	6	<b>Suggested entry criteria for direct entry to BSc/BA</b> <ul style="list-style-type: none"> <li>• Core Component-A*/A/B</li> <li>• Occupational Specialism Grade-Distinction/Merit</li> <li>• Overall T Level Grade-Distinction/Merit</li> <li>• UCAS points 120-144</li> </ul>

# T-LEVELS

Questions?  
Thank you for attending

February 2023

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