



**Welcome to the T Level  
Engineering & Manufacturing**

**Curriculum Delivery Plan  
Webinar**

The webinar will begin shortly

Jan 2023

**T-LEVELS**

 Institute for Apprenticeship  
& Technical Education

# Engineering and Manufacturing T Level Curriculum Delivery Plan Webinar

  
City &  
Guilds

 eal

# Using the webinar platform

Our action plan supports the planning and delivery stages to prepare for the TQ launch



Send any questions in the question area throughout the webinar



All attendees will be set to mute



Webinar resources and a CPD certificate will be sent out to all attendees following the webinar

# Engineering and Manufacturing T Levels Team



**Scott Wilkins**

Industry Manager Engineering and Manufacturing



E: [Scott.wilkins@cityandguilds.com](mailto:Scott.wilkins@cityandguilds.com)



**Robert Stott**

Industry Manager Engineering and Manufacturing



E: [Robert.stott@cityandguilds.com](mailto:Robert.stott@cityandguilds.com)



**Jono porter**

Technical Advisor Engineering & Manufacturing



E: [Jonathan.porter@cityandguilds.com](mailto:Jonathan.porter@cityandguilds.com)



**Jas Sall**

EQA Manager - EAL



E: [Jas.Sall@eal.org.uk](mailto:Jas.Sall@eal.org.uk)



**Samantha Ashman**

Technical Advisor Engineering & Manufacturing



E: [Samantha.ashman@cityandguilds.com](mailto:Samantha.ashman@cityandguilds.com)



**Alison Whittle**

Technical Advisor - Post 16



E: [Alison.Whittle@cityandguilds.com](mailto:Alison.Whittle@cityandguilds.com)

# Agenda

- Welcome
- Engineering & Manufacturing T Level Technical Qualifications
- Website navigations
- High level overview of the TQ of the T Level over two years
- High level overview of sequence of delivery over two years
- One and two year Curriculum Planner
- Examples of possible mapping and curriculum plan

- **Examples of a possible delivery planner**
- **Discussion on possible mapping from core and occupational specialism**
- **Teaching weeks and exam dates**



- Example of what a weeks delivery could look like
- How we support you
  - Support & Guidance
  - Events & Webinars?
  - Websites to support providers
  - Opportunities to work for City & Guilds
  - Engineering Text book from Hodder Education
- Opportunity for Questions

- **Individual centre timetabling**
- **Every occupational specialism**
- **Delivery and curriculum planning outside of the Technical Qualification e.g additional English and Maths**
- **Entry requirements**
- **Progression routes**



\*\* If you missed our previous T Level Familiarisation webinars, you can find the recordings and slide deck on our T Level events page [here](#).

# T Level Technical Qualifications

Maintenance, Installation and Repair for Engineering and Manufacturing	
<b>8730 - 12</b>	<b>Core</b>
8712 - 31	Mechanical
8712 - 32	Mechatronics
8712 - 33	Electrical & Electronics
8712 - 34	Control & Instrumentation
8712 - 35	Light & Electric Vehicles

Engineering, Manufacturing, Processing and Control	
<b>8730 - 13</b>	<b>Core</b>
8713 - 31	Fitting and Assembly Technologies
8713 - 32	Machining and Toolmaking Technologies
8713 - 33	Composites Manufacturing Technologies
8713 - 34	Fabrication and Welding Technologies

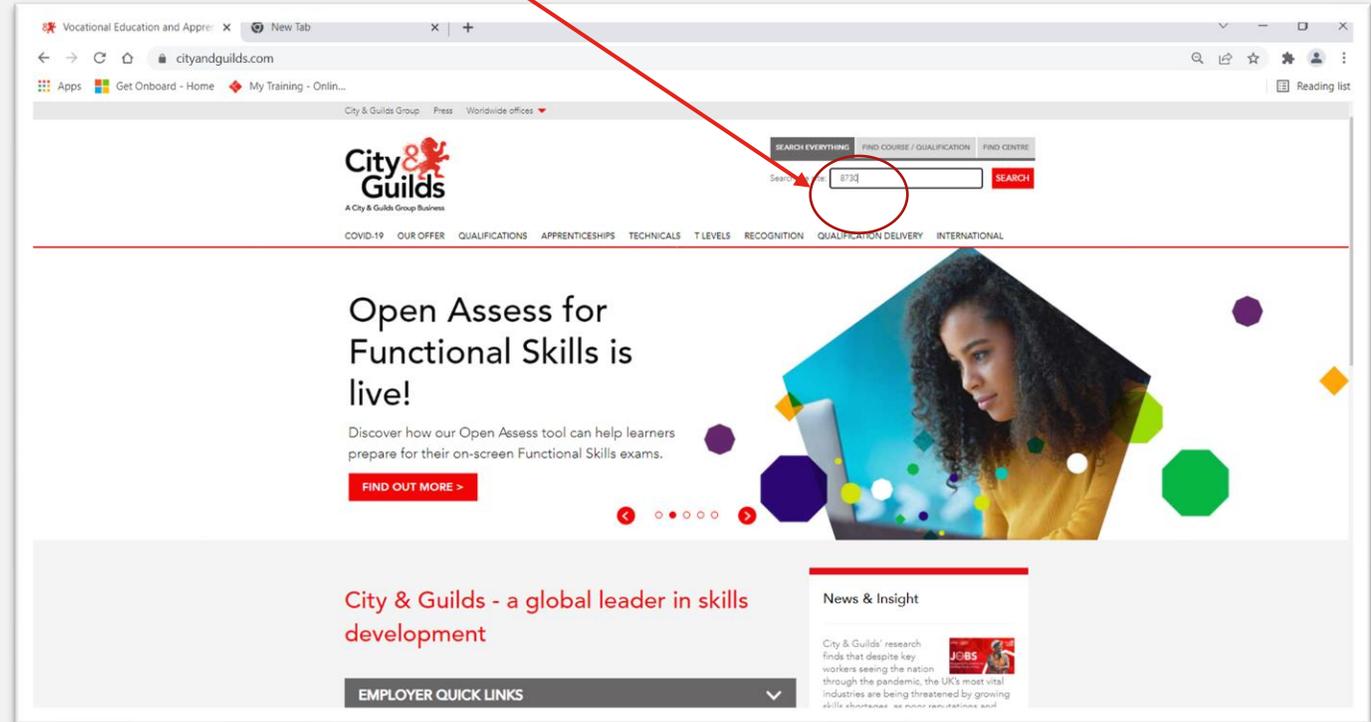
Design and Development for Engineering	
<b>8730 - 14</b>	<b>Core</b>
8714 - 31	Mechanical Engineering
8714 - 32	Electrical & Electronics Engineering
8714 - 33	Control & Instrumentation Engineering
8714 - 34	Structural Engineering

Registration information-  
Core first before OS



# Website Navigation – Core Components

From the homepage you can search for the qualification 8730



Then select the qualification

[T Level Technical Qualification in Engineering and Manufacturing \(Core\) \(8730\)](#)

The T Level Technical Qualification in Engineering and Manufacturing (Core) is a mandatory component required for completion of any of the three T Level Technical Qualifications in Engineering and Manufacturing. Completion of the Core component is a requirement for learners completing a full T

[Level 3](#)

# Website Navigation – Core Components

The screenshot shows the City & Guilds website page for the T Level Technical Qualification in Engineering and Manufacturing (Core) (8730). The browser address bar shows the URL: [cityandguilds.com/qualifications-and-apprenticeships/engineering/mechanical/8730-t-level-technical-qualification-in-engineering-and-manufacturing-core#tab=information](https://cityandguilds.com/qualifications-and-apprenticeships/engineering/mechanical/8730-t-level-technical-qualification-in-engineering-and-manufacturing-core#tab=information). The page features a search bar at the top with the text "SEARCH EVERYTHING", "FIND COURSE / QUALIFICATION", and "FIND CENTRE". Below the search bar is a navigation menu with tabs for "QUALIFICATIONS", "APPRENTICESHIPS", "TECHNICALS", "T LEVELS", "RECOGNITION", "QUALIFICATION DELIVERY", and "INTERNATIONAL". The main content area is titled "T Level Technical Qualification in Engineering and Manufacturing (Core) (8730)" and includes a sub-navigation bar with "INFORMATION" and "DOCUMENTS" tabs. The "INFORMATION" tab is active, showing a description of the qualification and a list of related qualifications: "Maintenance, Installation and Repair for Engineering Manufacturing (8712)", "Engineering Manufacturing Processing and Control (8713)", and "Design and Development for Engineering and Manufacturing (8714)".

## T Level Technical Qualification in Engineering and Manufacturing (Core) (8730)

INFORMATION DOCUMENTS

Here you can find all documents related to this suite of qualifications.

By clicking on the section headings below, you can access a variety of documents such as the qualification handbooks and assessment materials, Statements of Purpose, and recognition letters from industry and employers.

Some documents may be password protected. Passwords can be retrieved by logging in to [walled-garden.com](https://walled-garden.com) and visiting the Administration section of the relevant qualification catalogue page.

### Interested in delivering this qualification?

Find out more about [how to become an approved City & Guilds centre](#) or fill out our [online customer application form](#).

Assessment Materials

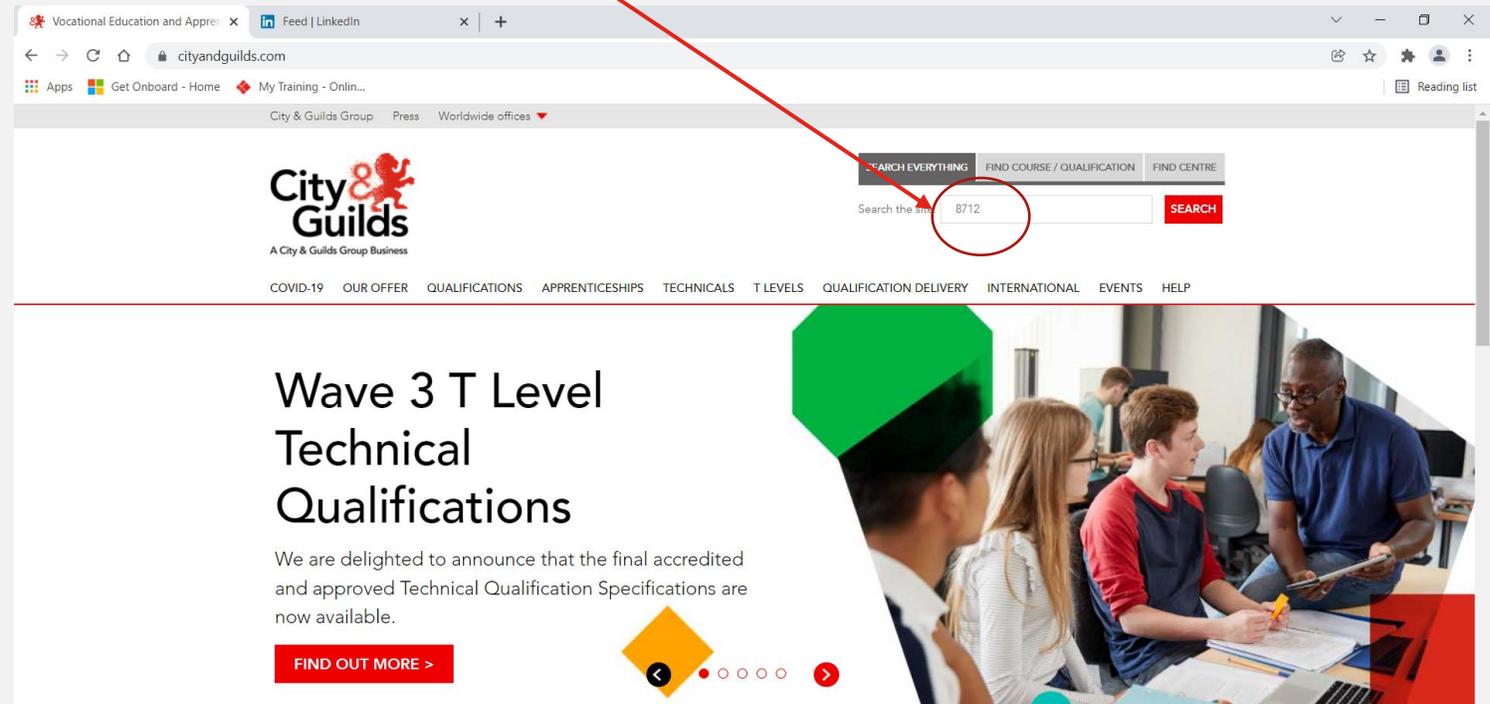
- Core Exams
- Employer Set Project

Centre Documents

- Design and Development for Engineering and Manufacturing 8714
- Engineering Manufacturing Processing and Control 8713
- Maintenance Installation and Repair for Engineering Manufacturing 8712

# Website Navigation – Pathways

From the homepage you can search for the qualification 8712 (MIR pathway)



Then select the qualification

[T Level Technical Qualification in Maintenance, Installation and Repair for Engineering and Manufacturing \(8712\)](#)

The T Level Technical Qualification in Maintenance, Installation and Repair for Engineering and Manufacturing allows learners to gain an understanding of what is needed to work within the engineering industry. Topics covered include maintenance, installation and repair requirements, fault

[Level 3](#)

# Website Navigation – MIR pathway

The screenshot shows the City & Guilds website interface. At the top left is the City & Guilds logo. To the right is a search bar with the text 'SEARCH EVERYTHING', 'FIND COURSE / QUALIFICATION', and 'FIND CENTRE'. Below the search bar is a navigation menu with links: ABOUT, OUR OFFER, QUALIFICATIONS (highlighted), APPRENTICESHIPS, TECHNICALS, T LEVELS, RECOGNITION, QUALIFICATION DELIVERY, INTERNATIONAL. Below the navigation menu is a breadcrumb trail: Home > Qualifications > Engineering > Mechanical > T Level Technical Qualification in Maintenance, Installation and Repair for Engineering and Manufacturing. The main heading is 'T Level Technical Qualification in Maintenance, Installation and Repair for Engineering and Manufacturing (8712)'. Below the heading are two tabs: INFORMATION (selected) and DOCUMENTS. The text under the INFORMATION tab includes: 'The T Level Technical Qualification in Maintenance, Installation and Repair for Engineering and Manufacturing allows learners to gain an understanding of what is needed to work within the engineering industry. Topics covered include maintenance, installation and repair requirements, fault detection and diagnosis, isolation and resolution methods and communication for maintenance, installation and repair activities.' It also mentions that the qualification is aimed at learners aged 16-19-years old who wish to work in the engineering and manufacturing industry, and that a learner who completes this qualification is well placed to develop to full occupational competence with further correct support and training. It notes that T Levels are new courses which will follow GCSEs and will be equivalent to three A Levels. These two-year courses have been developed in collaboration with employers and businesses so that the content meets the needs of industry and prepares learners for work. It also states that this qualification forms a significant part of the T Level and City & Guilds are responsible for its development and ongoing operational delivery. Finally, it mentions that all other parts of the T Level, as listed below, will need to be achieved by a learner for the Department for Education to award successful completion. It is important to note that City & Guilds do not have responsibility of delivery for the other parts of the T Level but will continue to support centres where they can on all aspects of T Level delivery. Additional mandatory parts of the T Level that need to be achieved: > (4510) Level 2 Certificate in... To the right of the main text are three sections: 'Explore our wider maths & English offer' with a 'FIND OUT MORE' button, 'For Learners' with a form for 'Postal code, town or city' and a 'FIND A CENTRE' button, and 'Related Qualifications' with a link to '> (4510) Level 2 Certificate in...'

## T Level Technical Qualification in Maintenance, Installation and Repair for Engineering and Manufacturing (8712)

INFORMATION

DOCUMENTS

Here you can find all documents related to this suite of qualifications.

By clicking on the section headings below, you can access a variety of documents such as the qualification handbooks and assessment materials, Statements of Purpose, and recognition letters from industry and employers.

Some documents may be password protected. Passwords can be retrieved by logging in to [walled-garden.com](http://walled-garden.com) and visiting the Administration section of the relevant qualification catalogue page.

Interested in delivering this qualification?

Find out more about [how to become an approved City & Guilds centre](#) or fill out our [online customer application form](#).

Assessment Materials

8712-31 Mechanical

Guide Standard Exemplification Materials

Sample assessments

8712-32 Mechatronic

8712-33 Electrical and Electronic

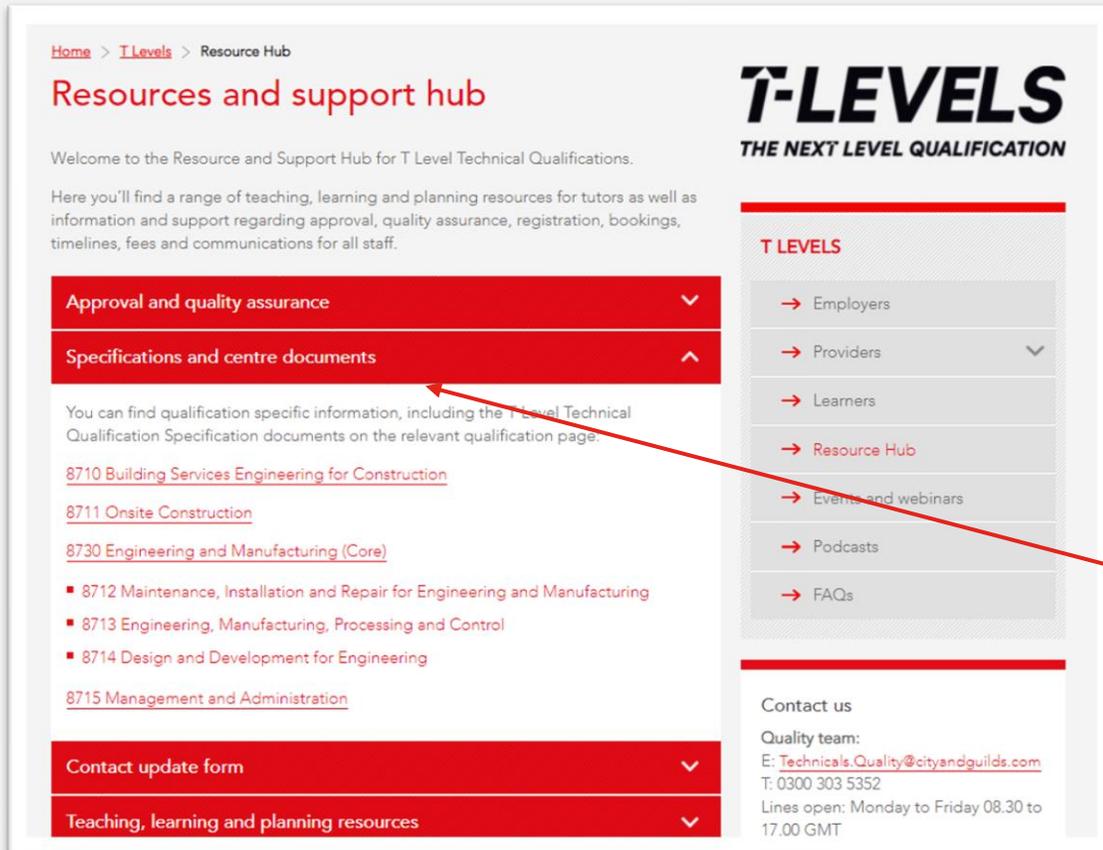
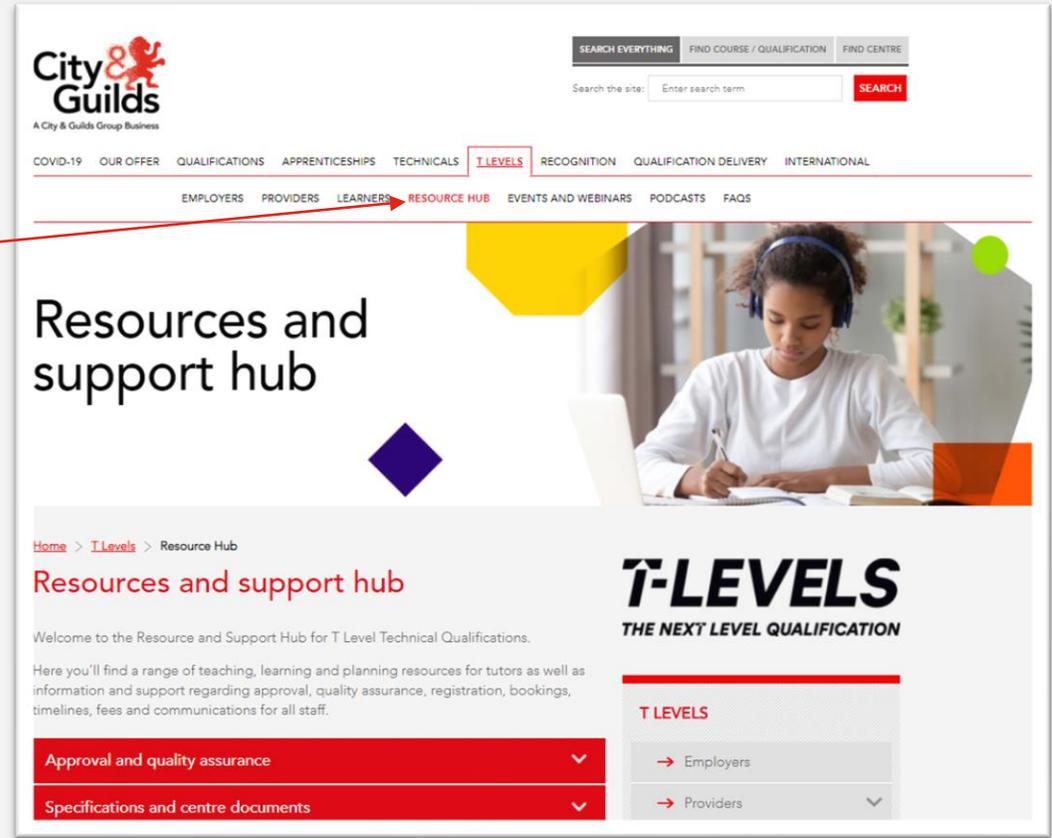
8712-34 Control and Instrumentation

8712-35 Light and Electric Vehicles

Centre documents

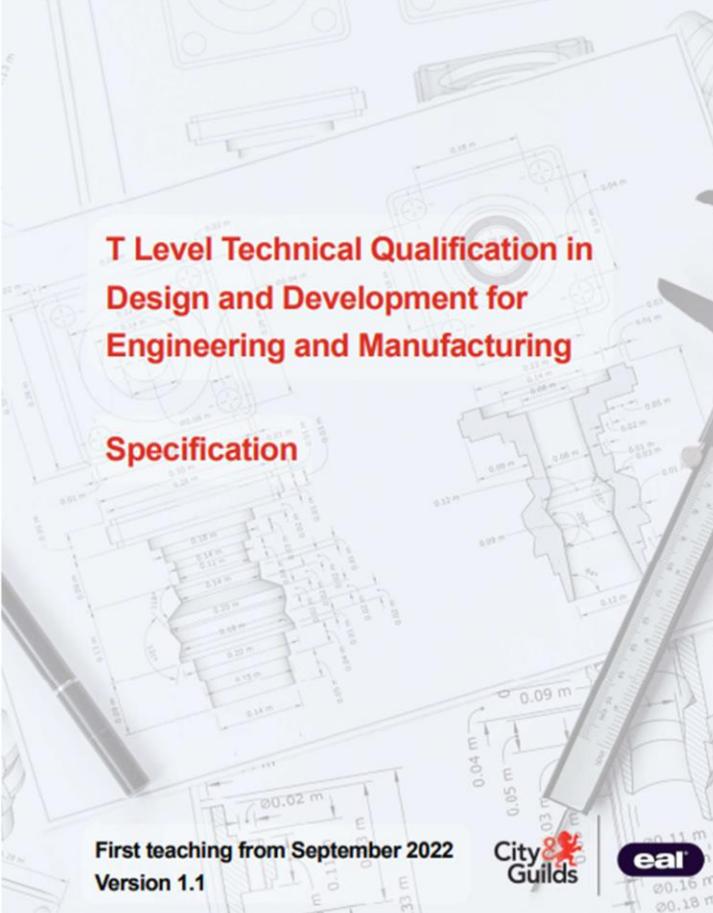
# Website Navigation

Or navigate through the C&G T Level Resource Hub webpage



Then select specifications and centre documents

**T-LEVELS** | Institute for Apprenticeships & Technical Education



**T Level Technical Qualification in Design and Development for Engineering and Manufacturing**

**Specification**

First teaching from September 2022  
Version 1.1

City & Guilds | eal

**T-LEVELS** | Institute for Apprenticeships & Technical Education



**T Level Technical Qualification in Engineering, Manufacturing, Processing and Control**

**Specification**

First teaching from September 2022  
Version 1.1

City & Guilds | eal

**T-LEVELS** | Institute for Apprenticeships & Technical Education



**T Level Technical Qualification in Maintenance, Installation and Repair for Engineering and Manufacturing**

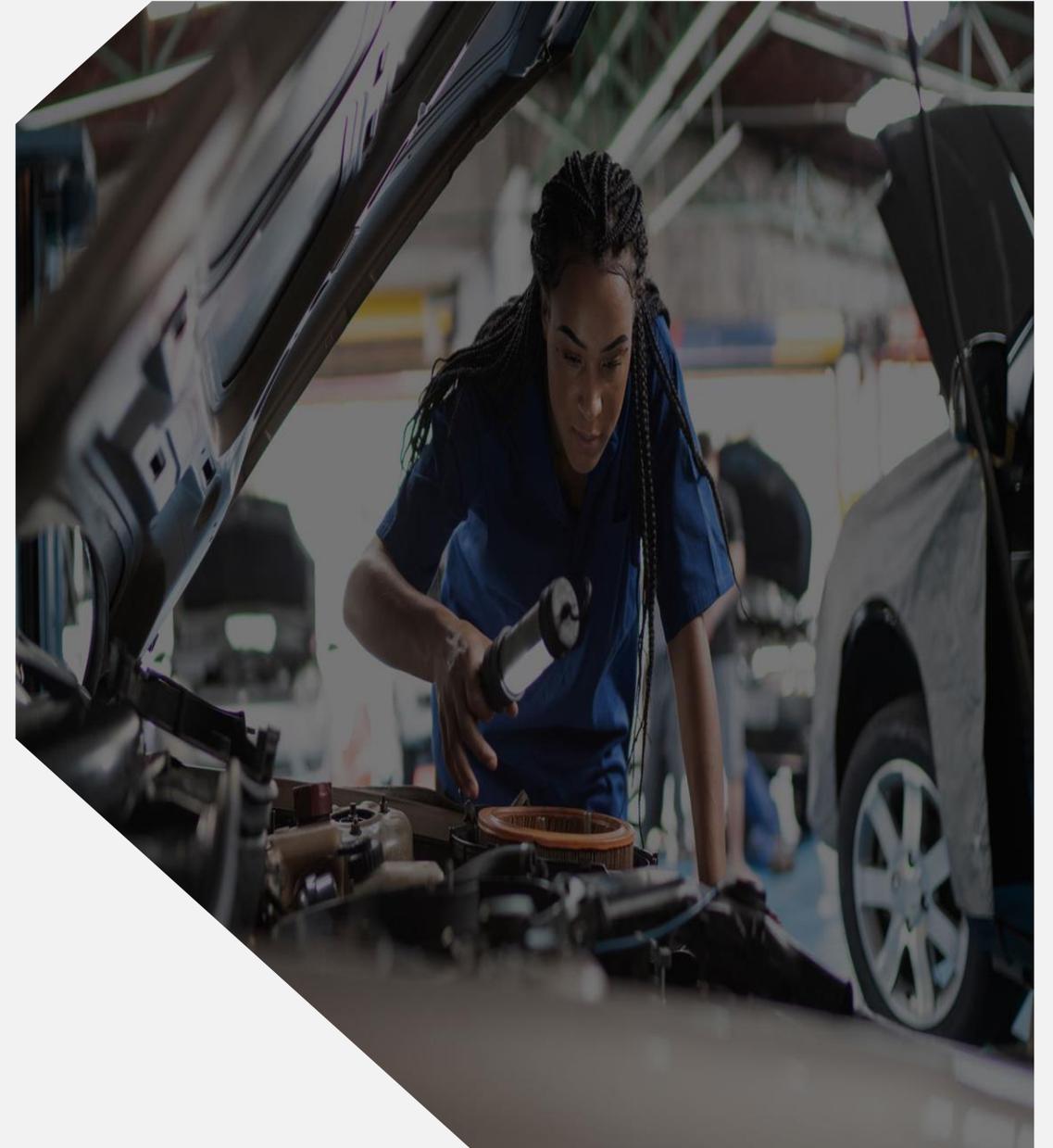
**Specification**

First teaching from September 2022  
Version 1.1

City & Guilds | eal

# Technical Qualification – Core Units

Element	Title	GLH
1	Working within the engineering and manufacturing sectors	30
2	Engineering and manufacturing past, present, and future	30
3	Engineering representations	40
4	Essential mathematics for engineering and manufacturing	90
5	Essential science for engineering and manufacturing	90
6	Materials and their properties	60
7	Mechanical principles	35
8	Electrical and electronic principles	35
9	Mechatronics	30
10	Engineering and manufacturing control systems	30
11	Quality management	30
12	Health and safety principles and coverage	60
13	Business, commercial and financial awareness	30
14	Professional responsibilities, attitudes, and behaviours	15
15	Stock and asset management	15
16	Continuous improvement	30
17	Project and programme management	30



# Key Date Schedule

Component	Series	Exam type	Calendar Month/s	Assessment window/set date
Core exam 1	First series	Written exam	May/June 2023	Set date
	*Retake series	Written exam	November 2023	Set date
Core exam 2	First series	Written exam	May/June 2023	Set date
	*Retake series	Written exam	November 2023	Set date
Employer-set project	First series	Project	March – May 2023	Set dates within assessment window
	*Retake series	Project	October 2023	Set dates within assessment window
Occupational specialism	One series annually	Project	February – May 2024	Assessment window

\*Please note that the retake series is not only restricted to retakes.



# Delivery Models

Timetables and Curriculum Plans

# Where are the delivery planners located

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

Resource Hub - T Levels | City & Guilds

cityandguilds.com/tlevels/resources

A City & Guilds Group Business

COVID-19 OUR OFFER QUALIFICATIONS APPRENTICESHIPS TECHNICALS **T LEVELS** RECOGNITION QUALIFICATION DELIVERY INTERNATIONAL

EMPLOYERS PROVIDERS LEARNERS **RESOURCE HUB** EVENTS AND WEBINARS PODCASTS FAQs

## Resources and support hub

Home > T Levels > Resource Hub

### Resources and support hub

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.

- Approval and quality assurance
- Specifications and centre documents
- Contact update form
- Teaching, learning and planning resources
- Registration and bookings
- Fees
- Curriculum delivery planners
- Tutor resources
- Communications archive

**T-LEVELS**  
THE NEXT LEVEL QUALIFICATION

T LEVELS

- Employers
- Providers
- Learners
- Resource Hub
- Events and webinars

Click the link on Curriculum delivery planners

Home > T Levels > Resource Hub

## Resources and support hub

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.

Approval and quality assurance



Specifications and centre documents



Contact update form



Teaching, learning and planning resources



Registration and bookings



Fees



Curriculum delivery planners



Tutor resources



Communications archive



# Core example timetable

## T Level common Core Example Timetable

(Note- the below is a typical example and is not fixed in anyway. We have grouped some units together to create full lessons. Centres can use this example or adapt it based on their own requirements. Based on a delivery model of 36 weeks.)



PROGRAMME	Engineering & Manufacturing T Level										
	9	10	11	12	1	2	3	4	5		
Monday	Unit 4- Essential Mathematics for engineering and manufacturing			Lunch	Unit 5- Essential science for engineering and manufacturing			Unit 6- Materials and their properties			
Tuesday	Unit 8/9 Electrical and electronics/ Mechatronics			Unit 7- Mechanical principles	Lunch	Unit 1/2- Working within the engineering and manufacturing sectors/ Engineering and manufacturing past, present and future		Unit 3- Engineering representations			
Wednesday	Unit 10/11- Engineering and manufacturing control systems/ Quality management			Unit 12- Health and safety principles and coverage		Lunch	Unit 13/15/17- Business, commercial and financial awareness/ Stock and asset management/ Project and programme management				
Thursday	Unit 14/16- Professional responsibilities, attitudes, and behaviors/ Continuous Improvement		Pastoral Support as required								
Friday	Industry Placement Opportunity										

# Core example timetable with Occupational Specialism

## T Level common Core Example Timetable with Occupational Specialism practical

(Note- the below is a typical example and is not fixed in anyway. We have grouped some units together to create full lessons. Centres can use this example or adapt it based on their own requirements. Based on a delivery model of 36 weeks.)



PROGRAMME	Engineering & Manufacturing T Level										
	9	10	11	12	1	2	3	4	5		
Monday	Unit 4- Essential Mathematics for engineering and manufacturing			Lunch	Unit 5- Essential science for engineering and manufacturing			Unit 6- Materials and their properties			
Tuesday	Unit 8/9 - Electrical and electronics/ Mechatronics			Unit 7- Mechanical principles	Lunch	Unit 1/2- Working within the engineering and manufacturing sectors/ Engineering and manufacturing past, present and future		Unit 3- Engineering representations	Pastoral Support as required		
Wednesday	Unit 10/11- Engineering and manufacturing control systems/ Quality management			Unit 12- Health and safety principles and coverage		Lunch	Unit 13/15/17- Business, commercial and financial awareness/ Stock and asset management/ Project and programme management		Pastoral Support as required		
Thursday	Industry Placement Opportunity										
Friday	Unit 14/16- Professional responsibilities, attitudes, and behaviors/ Continuous Improvement		Occupational Specialism practical								

# Core example timetable split over 2 semesters

## T Level Common Core Example Timetable

(Note- the below is a typical example and is not fixed in anyway. We have grouped some units together to create full lessons. Centres can use this example or adapt it based on their own requirements. Based on a delivery model of 36 weeks, split into 2x 18-week blocks.)



PROGRAMME	Engineering & Manufacturing T Level (Semester 1)									
	9	10	11	12	1	2	3	4	5	
Monday	<b>Industry Placement Opportunity</b>									
Tuesday	Unit 4- Essential Mathematics for engineering and manufacturing			Lunch	Unit 4- Essential Mathematics for engineering and manufacturing			Unit 3- Engineering representations		
Wednesday	Pastoral Support as required				Lunch	Unit 3- Engineering representations	Unit 12- Health and safety principles and coverage			
Thursday	Unit 1/2- Working within the engineering and manufacturing sectors/ Engineering and manufacturing past, present and future		Unit 6- Materials and their properties		Lunch	Unit 1/2- Working within the engineering and manufacturing sectors/ Engineering and manufacturing past, present and future		Unit 7- Mechanical principles		
Friday	Unit 6- Materials and their properties		Unit 7- Mechanical principles	Lunch	Unit 12- Health and safety principles and coverage					

# Core example timetable split over 2 semesters

## T Level Common Core Example Timetable

(Note- the below is a typical example and is not fixed in anyway. We have grouped some units together to create full lessons. Centres can use this example or adapt it based on their own requirements. Based on a delivery model of 36 weeks, split into 2x 18-week blocks.)



PROGRAMME	Engineering & Manufacturing T Level (Semester 2)									
	9	10	11	12	1	2	3	4	5	
Monday	Industry Placement Opportunity									
Tuesday	Unit 5- Essential science for engineering and manufacturing			Lunch	Unit 5- Essential science for engineering and manufacturing			Unit 10/11- Engineering and manufacturing control systems/ Quality management		
Wednesday	Pastoral Support as required				Lunch	Unit 8/9- Electrical and electronics/ Mechatronics		Unit 14/16- Professional responsibilities, attitudes, and behaviours/ Continuous Improvement		
Thursday	Unit 8/9- Electrical and electronics/ Mechatronics			Unit 14/16- Professional responsibilities, attitudes, and behaviours/ Continuous Improvement	Lunch	Unit 13/15/17- Business, commercial and financial awareness/ Stock and asset management/ Project and programme management				
Friday	Unit 10/11- Engineering and manufacturing control systems/ Quality management			Unit 13/15/17- Business, commercial and financial awareness/ Stock and asset management/ Project and programme management						

# Key for Deliver/Curriculum Planners (Engineering & Manufacturing)

Induction
Core Component - 300 (680 GLH)
External Theory Exams x2 (2 hours 30 mins each)
Employer Set Project
Revision/Recap/Prep (Formative Assessments)-Core Component
Occupational Specialism
Synoptic Practical Assessment - One Series Annually
Preparation for Practical Synoptic (Formative Assessments)
Industry Placement (315 Hours/45 Days)

**Curriculum Plan with Core only in Year 1**

Induction
Core Component - 300 (680 GLH)
External Theory Exams x2 (2 hours 30 mins each)
Employer Set Project
Revision/Recap/Prep (Formative Assessments)-Core Component
Occupational Specialism Introduction
Occupational Specialism
Synoptic Practical Assessment - One Series Annually
Preparation for Practical Synoptic (Formative Assessments)
Industry Placement (315 Hours/45 Days)

**Curriculum Plan with Core and OS in Year 1**

# Expanded Version of Year 1 Term 1 Engineering & Manufacturing with Core only.

Adaptable delivery plan for T Level Engineering & Manufacturing  
Curriculum Plan

Level 3 QAN

1000TQ 680GLH

YEAR 1 OF 2



Term 1 Autumn/Winter	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13	Week 14
<a href="#">T Level Technical Qualification key dates are located here</a>														
Induction														
Core Component - 300 (680 GLH)														
External Theory Exams x2 (2 hours 30 mins each)														
Employer Set Project														
Revision/Recap/Prep (Formative Assessments)-Core Component														
Occupational Specialism														
Synoptic Practical Assessment - One Series Annually														
Preparation for Practical Synoptic (Formative Assessments)														
Industry Placement (315 Hours/45 Days)														

Term 1 is from September- December

- Weeks 1-2 Induction (Dark Green)
- Weeks 3-14 Core Components (Orange)

# Expanded Version of Year 1 Term 2 Engineering & Manufacturing with Core only.

Term 2 Winter/Spring	Week 15	Week 16	Week 17	Week 18	Week 19	Week 20	Week 21	Week 22	Week 23	Week 24	Week 25	Week 26
<a href="#">T Level Technical Qualification key dates are located here</a>												
Core Component - 300 (680 GLH)												
External Theory Exams x2 (2 hours 30 mins each)												
Employer Set Project												
Revision/Recap/Prep (Formative Assessments)-Core Component			Preparation for ESP	Preparation for ESP	Preparation for ESP							
Occupational Specialism												
Synoptic Practical Assessment-(One Series Annually)												
Preparation for Practical Synoptic (Formative Assessments)												
Industry Placement (315 Hours/45 Days)												

Term 2 is from January- March

Week 15-26 Core Component (Orange)

Week 15-26 Industry Placement (Light Green)

Week 17-19 Preparation for Employer Set Project (Purple)

Week 20-26 Start of the Employer Set Project (Green)

# Expanded Version of Year 1 Term 3 Engineering & Manufacturing with Core only.

Term 3 Spring/Summer	Week 27	Week 28	Week 29	Week 30	Week 31	Week 32	Week 33	Week 34	Week 35	Week 36	Week 37	Week 38	Week 39	August
<a href="#">T Level Technical Qualification key dates are located here</a>														
Core Component - 300 (680 GLH)														Results Year 1
External Theory Exams x2 (2 hours 30 mins each)														
Employer Set Project														
Revision/Recap/Prep (Formative Assessments)- Core Component	Revision for exam	Revision for exam	Revision for exam											
Occupational Specialism														
Synoptic Practical Assessment- One Series Annually														
Preparation for Practical Synoptic (Formative Assessments)														
Industry Placement (315 Hours/45 Days)														

Term 3 is from April- July

- Week 27-36 Core Component (Orange)
- Week 27-36 Industry Placement (Light Green)
- Week 27-28 End of the Employer Set Project (Green)
- Week 27-29 Revision for Exam (Purple)
- Week 30-36 External Theory Exam (Blue)

# Expanded Version of Year 2 Term 1 Engineering & Manufacturing with Occupational Specialism.

Adaptable delivery plan for T Level Engineering & Manufacturing Curriculum Plan

Level 3 QAN 1000 TQ 680 GLH YEAR 2 OF 2




Term 1 Autumn/Winter	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13	Week 14
<a href="#">T Level Technical Qualification key dates are located here</a>														
Core Component - 300 (680 GLH)														
External Theory Exams x2 (2 hours 30 mins each)									Retake	Retake	Retake	Retake		
Employer Set Project					Retake	Retake	Retake	Retake						
Revision/Recap/Prep- Core Component			Revision for ESP	Revision for ESP	Revision for ESP	Revision for exams	Revision for exams	Revision for exams						
Occupational Specialism (680 GLH)														
Synoptic Practical Assessment- One Series Annually														
Preparation for Practical Synoptic														
Industry Placement (315 Hours/45 Days)														

Year 2 Term 1 is from September- December

- Week 1-14 Start of the Occupational Specialism (Yellow)
- Week 1-14 Industry Placement (Light Blue)
- Week 3-5 Revision for ESP (Purple)
- Week 5-8 Employer Set Project Retake (Green)
- Week 6-8 Revision for Exam (Purple)
- Week 9-12 External Theory Exam Retake (Blue)

# Expanded Version of Year 2 Term 2 Engineering & Manufacturing with Occupational Specialism.

Term 2 Winter/Spring	Week 15	Week 16	Week 17	Week 18	Week 19	Week 20	Week 21	Week 22	Week 23	Week 24	Week 25	Week 26
<a href="#">T Level Technical Qualification key dates are located here</a>												
Core Component - 300 (680 GLH)												
External Theory Exams x2 (2 hours 30 mins each)												
Employer Set Project												
Revision/Recap/Prep- Core Component												
Occupational Specialism (680 GLH)												
Synoptic Practical Assessment- One Series Annually												
Preparation for Practical Synoptic												
Industry Placement (315 Hours/45 Days)												

Year 2 Term 2 is from January- March

- Week 15-26 Occupational Specialism (Yellow)
- Week 15-26 Industry Placement (Light Blue)
- Week 15-23 Preparation for Practical Synoptic (Pink)
- Week 20-26 Synoptic Practical One series Annually (Red)

# Expanded Version of Year 2 Term 3 Engineering & Manufacturing with Occupational Specialism.

Term 3 Spring/Summer	Week 27	Week 28	Week 29	Week 30	Week 31	Week 32	Week 33	Week 34	Week 35	Week 36	Week 37	Week 38	Week 39	August
<a href="#">T Level Technical Qualification key dates are located here</a>														
Core Component - 300 (680 GLH)														Results
External Theory Exams x2 (2 hours 30 mins each)														
Employer Set Project														
Revision/Recap/Prep- Core Component														
Occupational Specialism (680 GLH)														
Synoptic Practical Assessment- One Series Annually														
Preparation for Practical Synoptic														
Industry Placement (315 Hours/45 Days)														

Year 2 Term 3 is from April- July

- Week 27-35 Industry Placement (Light Blue)
- Week 27-32 Synoptic Practical One series Annually (Red)
- Week 27-31 Occupational Specialism (Yellow)
- Results in August.

# Assessment Methods

# Technical Qualification scheme of assessment components – Design & Development Pathway

## Core component – Learners must complete all assessment components

Assessment component	Method	Duration	Marks	Weighting	Marking	Grading
Exam paper 1	Externally set exam	2.5 hours	100	35%	Externally marked	This component will be awarded on the grade scale A* -E
Exam paper 2	Externally set exam	2.5 hours	100	35%	Externally marked	
Employer-set project	Externally set project	18.5 hours	90	30%	Externally marked	

## Occupational Specialism Component – Learners must complete all assessment components

Assessment component	Method	Duration	Marks	Weighting	Marking	Grading
Mechanical engineering	Externally set assignment	34 hours	90	100%	Externally moderated	All occupational specialism components will be awarded on the grade scale P,M,D
Electrical and electronic engineering	Externally set assignment	34 hours	90	100%	Externally moderated	
Control and instrumentation	Externally set assignment	34 hours	90	100%	Externally moderated	
Structural engineering	Externally set assignment	34 hours	90	100%	Externally moderated	

# Technical Qualification scheme of assessment components – Maintenance, Installation and Repair Pathway

## Core component – Learners must complete all assessment components

Assessment component	Method	Duration	Marks	Weighting	Marking	Grading
Exam paper 1	Externally set exam	2.5 hours	100	35%	Externally marked	This component will be awarded on the grade scale A* -E
Exam paper 2	Externally set exam	2.5 hours	100	35%	Externally marked	
Employer-set project	Externally set project	12.5 hours	90	30%	Externally marked	

## Occupational Specialism Component – Learners must complete all assessment components

Assessment component	Method	Duration	Marks	Weighting	Marking	Grading
Maintenance engineering technologies: Mechanical	Externally set assignment	22 hours	90	100%	Externally moderated	All occupational specialism components will be awarded on the grade scale P,M,D
Maintenance engineering technologies: Mechatronic	Externally set assignment	22 hours	90	100%	Externally moderated	
Maintenance engineering technologies: Electrical and Electronic	Externally set assignment	22 hours	90	100%	Externally moderated	
Maintenance engineering technologies: Control and Instrumentation	Externally set assignment	22 hours	90	100%	Externally moderated	
Light and Electric Vehicles	Externally set assignment	22 hours	90	100%	Externally moderated	

# Technical Qualification scheme of assessment components – Engineering, Manufacturing, Processing & Control Pathway

## Core component – Learners must complete all assessment components

Assessment component	Method	Duration	Marks	Weighting	Marking	Grading
Exam paper 1	Externally set exam	2.5 hours	100	35%	Externally marked	This component will be awarded on the grade scale A* -E
Exam paper 2	Externally set exam	2.5 hours	100	35%	Externally marked	
Employer-set project	Externally set project	15 hours	90	30%	Externally marked	

## Occupational Specialism Component – Learners must complete all assessment components

Assessment component	Method	Duration	Marks	Weighting	Marking	Grading
Fitting and assembly technologies	Externally set assignment	25 hours 15 minutes	90	100%	Externally moderated	All occupational specialism components will be awarded on the grade scale P,M,D
Machining and toolmaking technologies	Externally set assignment	25 hours 15 minutes	90	100%	Externally moderated	
Composites manufacturing technologies	Externally set assignment	24 hours 15 minutes	90	100%	Externally moderated	
Fabrication and welding technologies	Externally set assignment	26 hours 15 minutes	90	100%	Externally moderated	

# How we support you

Updates/Topics/Networks



Blended approach to communication



Provider networks and events



e-bulletin content and email updates

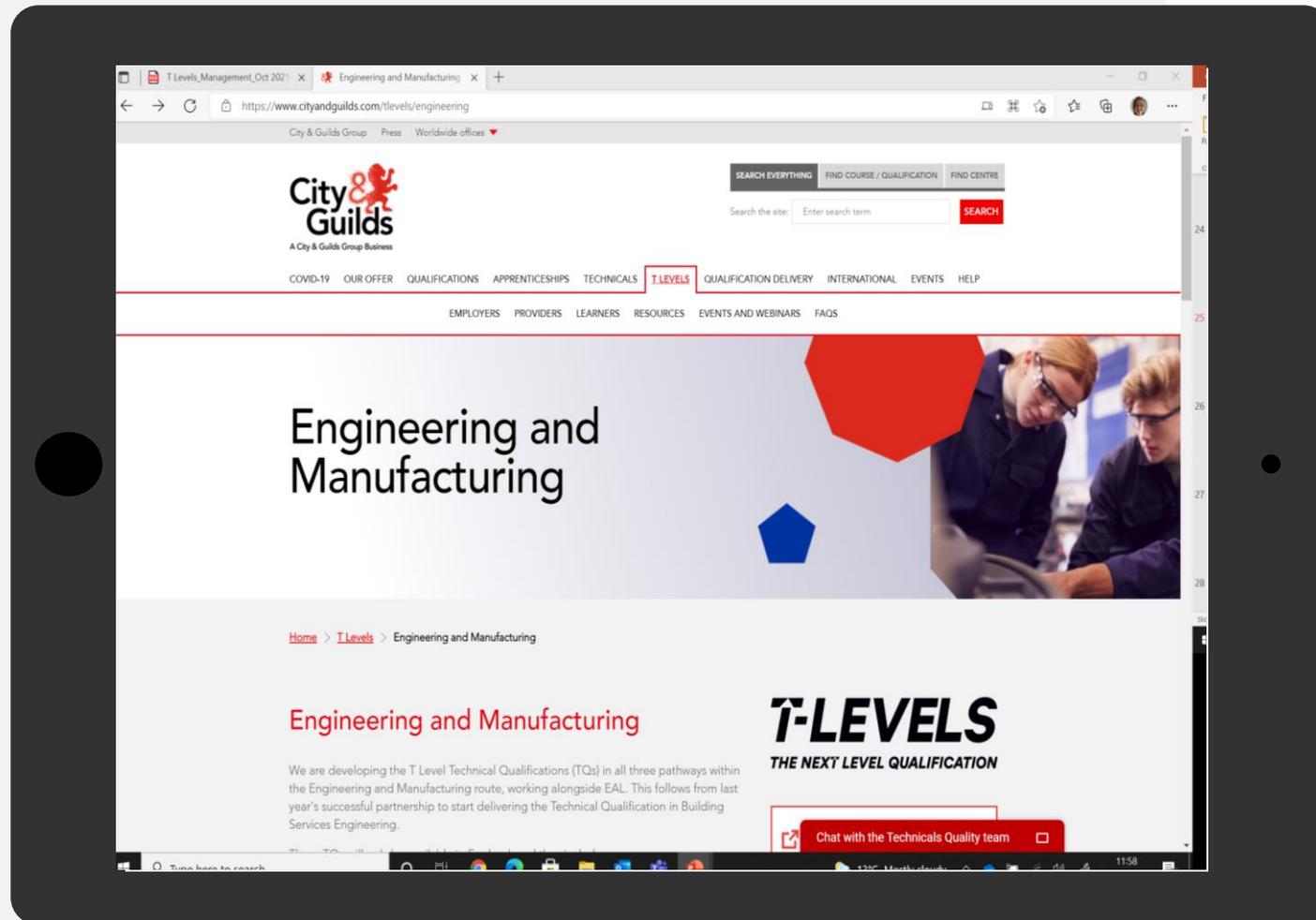


Website

# Support and Guidance

Ready to support eligible providers and stakeholder engagement

- Timeline
- Provider focus groups
- Employer Industry Boards
- e-bulletins
- Specification
- Resource Hub  
<https://www.cityandguilds.com/tlevels/resources>
- Learner flyer [t-levels-learner-flyer-engineering-and-manufacturing](https://www.cityandguilds.com/tlevels/learning/learner-flyer-engineering-and-manufacturing)
- Dedicated Technical Advisors



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

# Events & Webinars

- Resource development for the core
- Teaching & Learning support for exam component
- Face-to-face events
- Events, networks and webinars are located on our T Level Home page [here](#) under the accordion Engineering & Manufacturing. Here you will also find copies of the slide decks presented in the events, networks and webinars.
- Recorded webinars on our dedicated Engineering Go To Webinar Channel [here](#).
- For the most up to date information regarding future events please register for our T Level e-bulleting at the bottom of this webpage, [here](#).



# Websites to Support Providers

## **T Level Industry Placement Delivery Guidance**

[T Level industry placements delivery guidance - GOV.UK \(www.gov.uk\)](https://www.gov.uk/guidance/t-level-industry-placements-delivery-guidance)

## **Introduction to T levels**

[T levels - GOV.UK \(www.gov.uk\)](https://www.gov.uk/guidance/t-levels)

## **How T Levels are funded**

[How T Levels are funded - GOV.UK \(www.gov.uk\)](https://www.gov.uk/guidance/how-t-levels-are-funded)

## **T Levels capital fund**

[T Levels capital fund - GOV.UK \(www.gov.uk\)](https://www.gov.uk/guidance/t-levels-capital-fund)

## **T Levels resources for teachers and careers advisers**

[T Levels resources for teachers and careers advisers - GOV.UK \(www.gov.uk\)](https://www.gov.uk/guidance/t-levels-resources-for-teachers-and-careers-advisers)

## **T Levels: next steps for providers**

[T Levels: next steps for providers - GOV.UK \(www.gov.uk\)](https://www.gov.uk/guidance/t-levels-next-steps-for-providers)

## **Supporting with delivering T Levels**

[Support with delivering T Levels](https://www.gov.uk/guidance/supporting-with-delivering-t-levels)

## **T Level Transition Programme Framework for 2022 – 2023**

[T Level Transition Programme Framework for Delivery 2022 to 2023 - GOV.UK \(www.gov.uk\)](https://www.gov.uk/guidance/t-level-transition-programme-framework-for-delivery-2022-to-2023)

## **ETF Foundation – T Levels**

[T Level Professional Development - Education & Training Foundation \(et-foundation.co.uk\)](https://www.et-foundation.co.uk/t-level-professional-development)

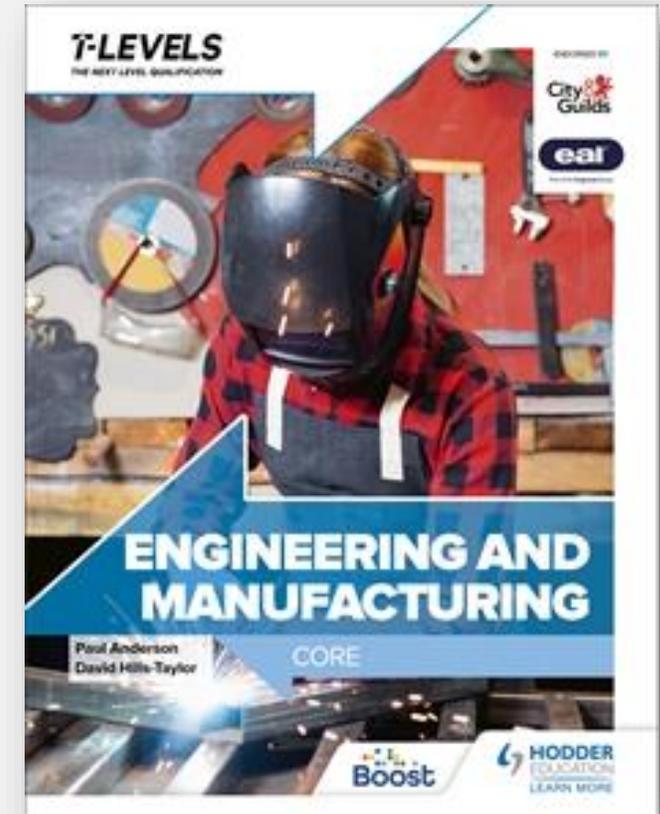
# Engineering and Manufacturing T Level: Core Textbook

Tackle the core component of your Engineering and Manufacturing T-Level head on with this comprehensive textbook published in association with City & Guilds.

- Complete coverage of the T Level's core component
- Prepares students for core exams and ESP
- Publishing June 2023
- Available in print and digital formats
- Print: 9781398360921 // £34
- Boost eBook: 9781398361058// £11 per year
- From expert authors Paul Anderson and David Hills-Taylor

Contact Gemma Simpson to receive an advance sample chapter:

[gemma.Simpson@hoddereducation.co.uk](mailto:gemma.Simpson@hoddereducation.co.uk)



Visit [www.hoddereducation.co.uk/t-levels](http://www.hoddereducation.co.uk/t-levels)

# T Level Associate Vacancies

Would you like to be involved with supporting the delivery of T-Levels?

- **Principal Moderators / Moderators**

Ensure a standardised and consistent approach to quality assurance, moderation, feedback and processes

- **Technical Qualification Associates (TQAs)**

Review Eligible Provider approval applications, including supplementary evidence and carry out approval and support activities.

- **Chief/Principal Examiners**

Produce and submit assessment materials and participate in all stages of the production process until sign off.

- **Marking Examiners**

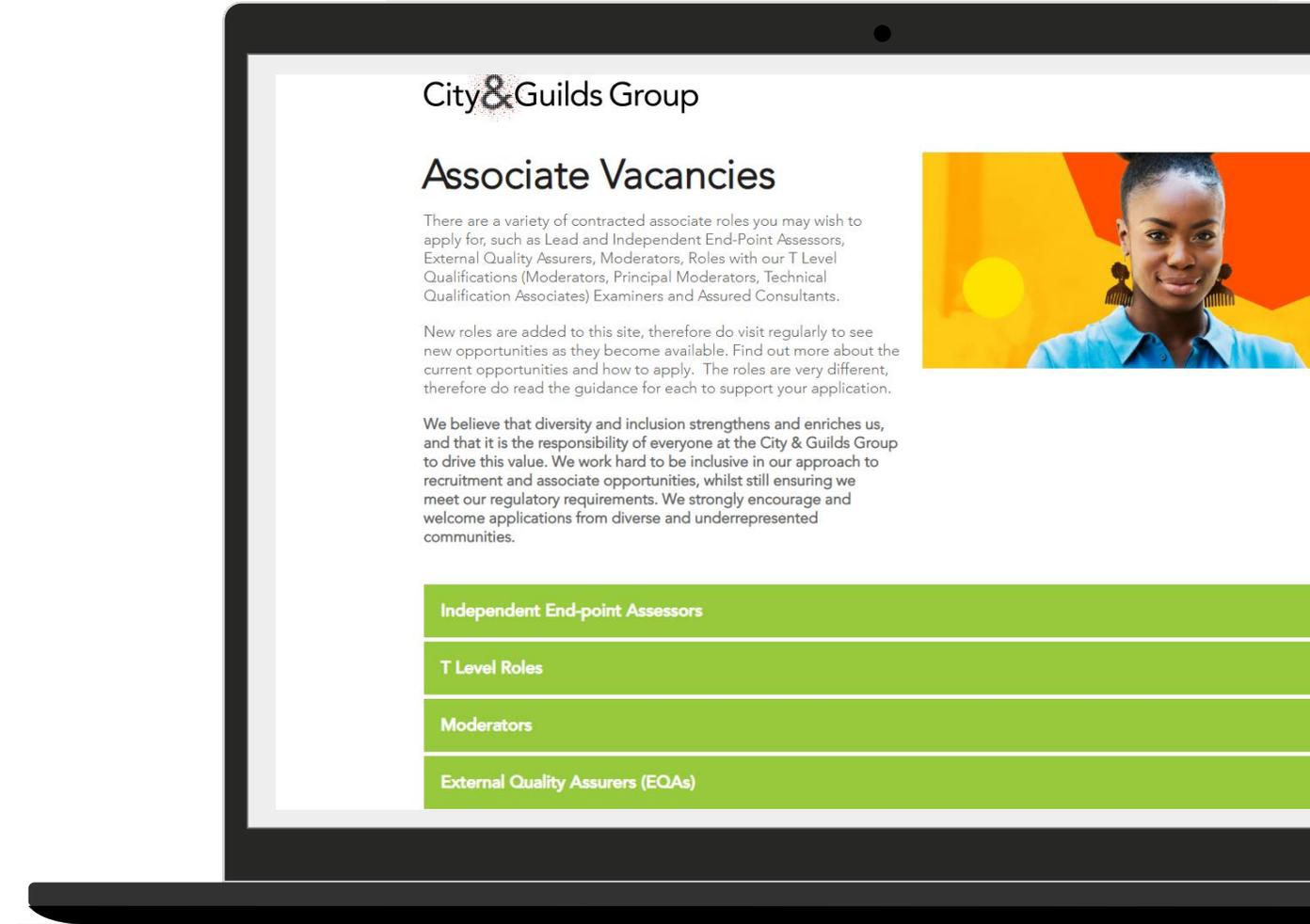
Mark candidates' scripts/evidence in accordance with the agreed marking scheme/criteria within the agreed timescale

For further information, please contact

[Samantha.Ashman@cityandguilds.com](mailto:Samantha.Ashman@cityandguilds.com) or

visit our website on the attached link:

[Associate Vacancies | City & Guilds Group Careers](#)



# Survey link

<https://forms.office.com/e/ZVB80WY5r5>



**T-LEVELS**

 Institute for Apprenticeships  
& Technical Education

**T-LEVELS**

Questions?  
Thank you for attending

January 2023

'T LEVELS' is a registered trademark of the Department for Education.  
'T Level' is a registered trademark of the Institute for Apprenticeships  
and Technical Education.

 City &  
Guilds

 eal®