



**T LEVELS:**  
**CONSTRUCTION**

## WHAT ARE T LEVELS?

T Levels are a new Level 3, two-year technical programme that provide you with a high-quality alternative to A Levels. They have been developed in collaboration with employers, and combine theory, practical and classroom learning with a minimum 45-day industry placement. If you opt to take a T Level you will spend 20% of your time on an industry placement and 80% in the classroom.

After completing the course you can progress directly into work, on to a Higher Apprenticeship or study a university degree, as T Levels are awarded UCAS points.

From September 2021 we will be offering the following T Levels in Construction:

- ⤴ Building Services Engineering for Construction (Electrical Installation)
- ⤴ Design, Surveying and Planning for Construction
- ⤴ On-site Construction (Carpentry and Joinery)

These subject areas have been chosen not only to give a wide variety of choice to our students but also to align with anticipated high demand skill areas for Greater Manchester and the wider North West region in the coming years.



## WHO CAN STUDY A T LEVEL?

T Levels can be studied by any young person aged 16-18 and students up to age 24 who have an Education, Health and Care Plan (EHCP).

If you are interested in taking a T Level you will need to achieve the below entry requirements:

- ⤴ Minimum of five GCSEs at Grade 4 or above and this must include English and maths at Grade 6 or above and science at Grade 5 or above.
- ⤴ Successfully attend an employer sponsor interview
- ⤴ Attend our Summer School

If you don't quite achieve these grades and would still like to pursue a T Level there is the option of a one-year **Transition Programme**, which will then allow you to move on to a T Level the following year and gain a qualification at the same time\*. Additionally you may still be accepted on a T Level if you successfully complete the Summer School programme and interview regardless of achieved grades.

We offer the following T Level Transition Programme as part of our Industry Excellence Academy:

- ⤴ Building Services Engineering (Electrical Installation)
- ⤴ Design and Surveying (Built Environment)
- ⤴ On-site Construction (Carpentry and Joinery)

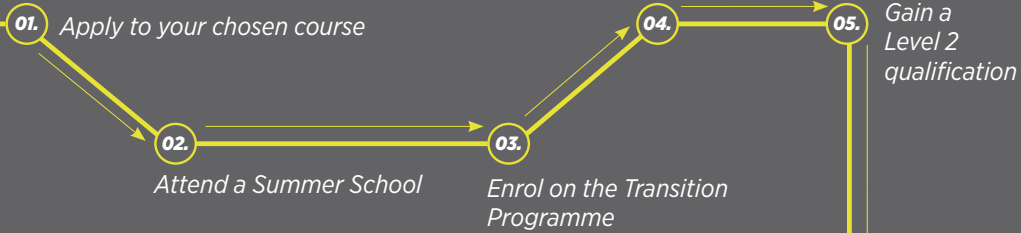
\*Subject to meeting the course requirements.





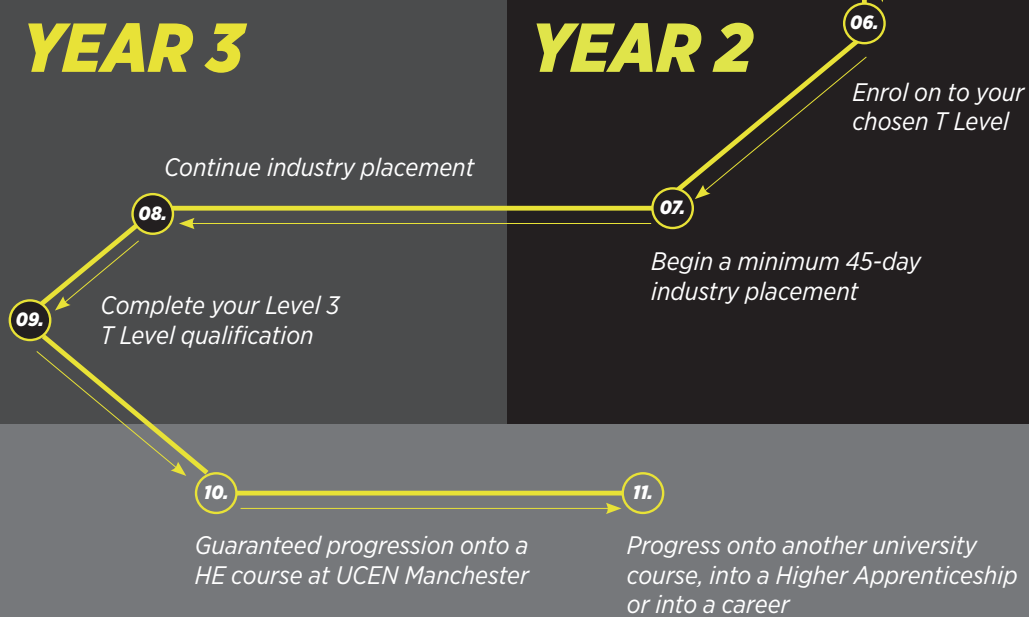
# TRANSITION TO T LEVELS

## YEAR 1



## YEAR 3

## YEAR 2



## YEAR 4

# SUMMER SCHOOL

Both T Levels and Transition Programmes require completion of our Summer School programme as an entry requirement.

Summer School is a three-week online introduction to our Industry Excellence Academy, T Levels and T Level Transition Programmes where students can meet their teachers and experience what online learning at The Manchester College is like.

Students will take part in a project based learning experience to demonstrate their creativity, teamwork and problem solving skills, as well as their resilience, timekeeping and commitment.

The programme is designed to inspire students to think like Architectural, Construction and Engineering professionals, through a range of project-based learning challenges.

Topics covered on the Summer School include:

- ↑ **Design Surveying and Planning:** Construction Projects and Team Roles, Design Concepts, Materials and Report Production
- ↑ **Building Services Engineering:** Construction Projects and Team Roles, Planning for Electrical Installations, Installation Design Concepts, Materials and Report Production
- ↑ **Onsite Construction:** Construction Projects and Team Roles, Planning for Carpentry and Joinery Installations, Installation Design Concepts, Materials and Report Production





## THE MANCHESTER COLLEGE T AWARD

Those successful in gaining a place on the T Levels or Transition Programmes will be eligible for the '**T Award**', a package of benefits that includes:

- ⤴ £300 per year bursary\*
- ⤴ Free branded work wear
- ⤴ General Visual Line of Sight Certificate (GVC) pilots licence acquisition, drone flight training and 3D modelling
- ⤴ Opportunity to take part in exciting college-wide competitions
- ⤴ Minimum 20% delivery by industry experts
- ⤴ Guaranteed progression to a Higher Education course at UCEN Manchester
- ⤴ Bursary incentive if progressing to UCEN Manchester (T Levels)
- ⤴ Minimum 15-day (Transition Programmes) or 45-day (T Levels) industry placement
- ⤴ Digital upskilling
- ⤴ Masterclasses
- ⤴ Industry standard laptop
- ⤴ And much more

\*Subject to requirements including 95% attendance, positive attitude and grade profile.

## OUR COURSES

Our courses have been co-developed and are co-delivered by our industry partners Bowmer & Kirkland; Caddick Construction; Conlon Construction; Kier Construction; Lendlease; Lovells Construction; NG Bailey; Vinci UK; Wates Construction and Willmott Dixon.

Alongside your studies, you'll undertake a minimum 15-day (Transition Programme) or 45-day (T Level) industry placement on a live site, as well as having regular guest speakers, workshops from industry experts, working to live briefs, site visits, field trips and more. You'll also be assigned a specialist employability tutor to support and prepare you for the world of work.

All our courses will enable you to develop a general understanding of the digital sector, including:

- ⤴ Health and safety
- ⤴ The science behind building design, surveying and planning
- ⤴ Making accurate and appropriate measurements
- ⤴ Construction methods
- ⤴ Building regulations and standards
- ⤴ Data management and information standards in construction
- ⤴ Relationship management and customer service
- ⤴ How the Internet of Things (IoT) impacts construction
- ⤴ Digital engineering techniques
- ⤴ Mathematical techniques to solve construction problems
- ⤴ Construction design principles and processes
- ⤴ The construction industry and its role in the economy
- ⤴ Sustainability and the environmental impact of construction
- ⤴ Business, commerce and corporate social responsibility
- ⤴ Tools, equipment and materials used in construction.



CaddickConstruction.



LOVELL  
HOMES



Wates





## T LEVEL

### DESIGN, SURVEYING AND PLANNING FOR CONSTRUCTION

Level 3 | T Level | Openshaw campus | Two years

#### WHAT YOU'LL LEARN ON THIS COURSE

As well as the topics mentioned on page 7, you will also learn about topics specific to design, surveying and planning, including:

- ↗ Project management
- ↗ Budgeting and resource allocation
- ↗ Procurement
- ↗ Risk management
- ↗ Measuring, analysing and designing the built environment
- ↗ Verifying delivery of the built environment.

#### WHAT YOU CAN DO WITH THIS T LEVEL

This course is suitable for anyone wanting a career in construction, specifically in surveying and design, civil engineering, building services design, or hazardous materials surveying.

You can progress into roles such as:

- ↗ Architectural Technician
- ↗ Building Technician
- ↗ Civil Engineering Technician
- ↗ Construction Manager
- ↗ Engineering Construction Technician
- ↗ Technical Surveyor
- ↗ Quantity Surveyor.



## T LEVEL

### BUILDING SERVICES ENGINEERING FOR CONSTRUCTION (ELECTRICAL INSTALLATION)

Level 3 | T Level | Openshaw campus | Two years

#### WHAT YOU'LL LEARN ON THIS COURSE

As well as the topics mentioned on page 7, you will also learn about topics specific to building services engineering, including:

- ↗ Building technology principles
- ↗ Building services engineering systems
- ↗ Maintenance principles
- ↗ Tools, equipment and materials
- ↗ Building Services Engineering (BSE) systems
- ↗ Legislation, regulations and approved standards that apply to BSE systems.

#### WHAT YOU CAN DO WITH THIS T LEVEL

This course is suitable for anyone wanting a career in construction, specifically in electric installation.

You can progress into roles such as:

- ↗ Domestic Electrical Installer
- ↗ Maintenance Electrician
- ↗ Installation Electrician
- ↗ Construction Electrician.





## T LEVEL

### ON-SITE CONSTRUCTION (CARPENTRY AND JOINERY)

Level 3 | T Level | Openshaw campus | Two years

#### WHAT YOU'LL LEARN ON THIS COURSE

As well as the topics mentioned on page 7, you will also learn about topics specific to on-site construction, including:

- ↗ Knowledge of carpentry and joinery work undertaken
- ↗ How to plan for carpentry and joinery work
- ↗ How to set out, mark out, cut and fix timber component to carry out structural, first-fix and second-fix carpentry
- ↗ How to finish joinery products
- ↗ Legislation, regulations and approved standards that apply to the construction industry.

#### WHAT YOU CAN DO WITH THIS T LEVEL

This course is suitable for anyone wanting a career in construction, specifically on-site construction.

You can progress into roles such as:

- ↗ Site Joiner
- ↗ Carpenter
- ↗ Construction Manager
- ↗ Civil Engineer
- ↗ Quantity Surveyor



## TRANSITION PROGRAMME

### DESIGN AND SURVEYING (BUILT ENVIRONMENT)

Level 2 | Certificate | Openshaw campus | One year

#### ENTRY REQUIREMENTS

- ↗ GCSE English or maths at Grade 4 with the other at Grade 3
- ↗ GCSE Science at Grade 4
- ↗ Attendance at our Summer School

#### WHAT YOU'LL LEARN ON THIS COURSE

As well as the topics mentioned on page 7, you will also learn about topics specific to design and surveying, including:

- ↗ Construction technology
- ↗ Construction and design
- ↗ Scientific and mathematical applications for construction
- ↗ Sustainability in construction
- ↗ Tendering and estimating
- ↗ Exploring surveying
- ↗ Exploring civil engineering
- ↗ Exploring building services engineering.

#### WHAT YOU CAN DO WITH THIS QUALIFICATION

Progress on to the Level 3 T Level in Design, Surveying and Planning for Construction



## TRANSITION PROGRAMME

### ON-SITE CONSTRUCTION (CARPENTRY AND JOINERY)

Level 2 | Certificate | Openshaw campus | One year

#### ENTRY REQUIREMENTS

Progressing from school:

- ⤴ GCSE English or maths at Grade 4 with the other at Grade 3
- ⤴ GCSE Science at Grade 4
- ⤴ Attendance at our Summer School.

Progressing from L1 Carpentry and Joinery:

- ⤴ Level 2 English and maths
- ⤴ Distinction Grade profile and Gold Standard Trade Test profile
- ⤴ Attendance at our Summer School.

#### WHAT YOU'LL LEARN ON THIS COURSE

As well as the topics mentioned on page 7, you will also learn about topics specific to on-site construction, including:

- ⤴ Structural carpentry
- ⤴ Non-structural carpentry prior to plastering
- ⤴ Non-structural carpentry following plastering
- ⤴ Timber technology and the use of a circular saw.

#### WHAT YOU CAN DO WITH THIS QUALIFICATION

Progress on to the Level 3 T Level in On-site Construction (Carpentry and Joinery).



## TRANSITION PROGRAMME

### BUILDING SERVICES ENGINEERING (ELECTRICAL INSTALLATION)

Level 2 | Certificate | Openshaw campus | One year

#### ENTRY REQUIREMENTS

Progressing from school:

- ⤴ GCSE English or maths at Grade 4 with the other at Grade 3
- ⤴ GCSE Science at Grade 4
- ⤴ Attendance at our Summer School.

Progressing from L1 Electrical:

- ⤴ Level 2 English and maths
- ⤴ Distinction Grade profile and Gold Standard Trade Test profile
- ⤴ Attendance at our Summer School.

#### WHAT YOU'LL LEARN ON THIS COURSE

As well as the topics mentioned on page 7, you will also learn about topics specific to building services engineering, including:

- ⤴ Scientific principles
- ⤴ Installation of wiring systems and enclosures
- ⤴ Electrical installations technology.

#### WHAT YOU CAN DO WITH THIS QUALIFICATION

Progress on to the Level 3 T Level in Building Services Engineering for Construction (Electrical Installation).

# HOW TO APPLY

To apply to any of our Level 3 T Levels and Level 2 Transition Programmes, visit [tmc.ac.uk](https://tmc.ac.uk).

Successful applicants will then receive more information on Summer School enrolment.

To find out more about T Levels visit our Industry Excellence Academy website:

[industry-excellence.tmc.ac.uk/t-levels](https://industry-excellence.tmc.ac.uk/t-levels)

