



T-LEVELS
THE NEXT LEVEL QUALIFICATION



Croydon
College



ENGINEERING AND MANUFACTURING

Maintenance, Installation and Repair for Engineering and Manufacturing



OVERVIEW OF THE COURSE:

Students will develop an understanding of a broad range of issues relevant to the sector, including:

- working within the Engineering and Manufacturing Sectors – an understanding of how materials, conditions and context influence design processes and products
- essential mathematics for engineering and manufacturing – a knowledge and understanding of mathematics including standard matrices and determinants and standard trigonometry
- materials and their properties – understanding material processing techniques and their effects on materials and material quality, the condition of materials, how these are managed, and materials testing methods and techniques business,
- commercial and financial awareness - basic commercial principles including commercial priorities and markets, customers/clients/ partners and resource allocation.

To find out more go to:

www.croydon.ac.uk/t-levels

or email admissions@croydon.ac.uk

LEVEL: 3

DURATION: 2 years

AGE: 16-19 years

START DATE:

September 2022

ENTRY REQUIREMENTS:

5 GCSE's grade 4 - 9

must include Maths and

English Grade 4 - 9 and

preferably Science.



ENGINEERING AND MANUFACTURING



WHAT ARE THE CAREER OPPORTUNITIES?

Careers are wide and varied in the engineering sector, they may include the following: mechanical engineer, aerospace engineer, electrical engineer, engineering operative, lift engineer, manufacturing systems engineer, mechanical engineer or lighting engineer and many more.

WHAT ARE THE PROGRESSION ROUTES AVAILABLE?

Several progression routes are available, these include skilled employment, an apprenticeship and going into higher education.

To help T Level students get into higher education, UCAS tariff points will be allocated to T Levels.

HOW IS THE COURSE STRUCTURED AND HOW WILL I BE ASSESSED?

The T Level programme includes the following compulsory elements:

- a Technical Qualification (TQ), which includes: core theory, concepts and skills for an industry area
- an industry placement with an employer
- a minimum standard in maths and English if learners have not already achieved them at the start of their T Levels



Assessments come in different forms, giving you the opportunity to develop key skills and behaviours tailored to your employment. Group work, portfolios, and practical projects set by employers are just a few of the many ways you can show how your knowledge has developed.

WHAT EMPLOYABILITY SKILLS WILL I DEVELOP?

You'll spend 80% of your time in the classroom and 20% on a 45-day placement with an employer to give you the skills and knowledge companies look for.

WORK EXPERIENCE

There is a substantial work placement of 45 days with an engineering employer as part of this course.

ENRICHMENT OPPORTUNITIES

There will be educational trips and visits to industry.

To find out more go to:
www.croydon.ac.uk/t-levels
or email admissions@croydon.ac.uk

T-LEVELS
THE NEXT LEVEL QUALIFICATION



Croydon
College