

# T Level Engineering – Design & Development

Subject Area	Engineering
Course Type	School Leavers
Study Level	Level 3
Delivery Mode	Full-time
Location	Trinity Green
Duration	2 Academic Year
Start Date	September 2024
Course Code	PA000093

## Course Summary

---

This T Level has been developed in collaboration with engineering employers and businesses so that it meets the needs of industry.

It will develop your knowledge, skills and professional behaviours across a wide range of engineering and manufacturing occupations and industries.

You will study on-site in our quality workshops and classrooms with support from expert tutors as well as support from our industry partners.

## What You Will Learn

---

This course will teach you the basics of the Engineering and Manufacturing sectors, including how materials and other factors can influence design processes and products.

As well as this, you will develop essential mathematics used for engineering and manufacturing.

You will understand the commercial, financial and business side to engineering and manufacturing. This includes understanding both customers and clients as well as partners.

## Modules

---

- Engineering and design practices
- Maintenance, installation and repair practices
- Engineering drawings and graphical language
- Materials and their properties
- Mathematics for engineering and manufacturing
- Science for engineering and manufacturing
- Commercial awareness

## Entry Requirements

---

5 GCSEs Grade 5 or above including Maths and English.

## Work Experience

---

The 45 day industry placement allows you to develop your occupational specialism skills as well as those necessary to working in any environment, such as effective planning, working with others, health and safety and promoting equality and diversity.

## Progression

---

Successful completion of this course can lead to employment, apprenticeships or higher education. Careers include:

- CAD technician
- 3D printing technician

**Disclaimer:** Our prospectus, college documents and website are simply here to offer a guide. We accept no liability for any inaccurate statements and are not responsible for any negative outcomes if you rely on an inaccurate statement. We reserve the right to withdraw any programmes or service at any time.