

## Level 3 Extended Diploma in Advanced Manufacturing Engineering

Location	Stretford Campus
Course Type	College 16-18
Department	Engineering
Start Date	Tuesday 1st September 2026
Course Code	TFP-EG3C-1100

### Course Overview

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This course is aimed at students who would like to work in a range of roles in the Engineering & Manufacturing sector. This course provides the opportunity for you to develop knowledge and skills in the design, development, manufacture and maintenance of engineering products and systems. This qualification could lead to employment in a number of sectors including Automatic Manufacturing, Maintenance Engineering or Machining.

### Course Requirements

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5 GCSE's grades 4 or above including English Language and Maths at grade 5 or above.

### What You Will Learn

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Students will acquire the knowledge and skills required to carry out a role as an engineering fitter or metal fabricator.

They will also develop transferable skills which employers value, like working efficiently and effectively and contributing to improving business performance. Crucially, they will learn to perform tasks to meet regulatory and legal requirements. These skills can support working in alternative job roles within the engineering sector.

### Assessment

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You will complete projects and assignments based on realistic workplace situations, activities and demands. All the units are assessed by course assignments, which meet grading criteria for Pass, Merit and Distinction.

## Progression

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After successful completion of this course you may go on to Higher Education or into a specialist area of employment.

## Career Options

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Electrical Engineer, Reliability Engineer, Research and Development Engineer, Environmental Engineer, Aerospace Engineer, Health and Safety engineer, Maintenance engineer

## Mandatory Units

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Communications for Technicians  
Fabrication Process and Technology  
Further Mechanical Principles and Applications  
Electro, Pneumatic and Hydraulic Systems and Devices  
Further Mathematics for Engineering Technicians  
Engineering Project  
Health & Safety  
Communications  
Maths

## Contact Details

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For further information please contact T: 0161 886 7070 or E: [info@trafford.ac.uk](mailto:info@trafford.ac.uk)

## Disclaimer

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Although every care has been taken to ensure that the information contained within this document is accurate, there may be changes to this programme and provision. We will endeavour to keep prospective and current students updated where appropriate and when the information becomes available.