General Enquiries
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Computer-Aided Design (CAD) and Advanced CAD

Location	Stretford Campus
Course Type	Adult
Department	Engineering
Start Date	Monday 28th April 2025
Duration	Part-time, 10 Weeks
Time	18:00 - 20:30
Fee	£ 250.00 You may be eligible for support with your tuition fees - please visit the college website - funding and finance page for further information
Course Code	TPQ-EG3Z-1100

Course Overview

Unlock the world of Computer-Aided Design (CAD) in our engaging and accessible evening course designed for adults. Whether you're a hobbyist, a budding designer, or simply looking to enhance your professional skills, this course provides a solid foundation in CAD software.

Course Requirements

No formal entry requirements. Students should possess knowledge of Autocad and assessment of CAD drawings prior to enrolment.

What You Will Learn

Course Highlights:

Hands-On Learning: Dive into practical, real-world CAD projects from day one, using industry-standard software.

Fundamental Concepts: Master essential CAD principles, including 2D drafting, 3D modelling, and precision design techniques.

Design Skills: Develop your creativity and problem-solving abilities as you transform ideas into detailed digital drawings.

Industry-Relevant Skills: Gain skills applicable in engineering, architecture, product design, and more.

Experienced Instructors: Learn from CAD experts with extensive industry experience.

Flexible Schedule: Convenient evening classes allow you to balance learning with your daily commitments.

Small Class Sizes: Benefit from personalized attention and collaborative learning in a supportive environment.

Course Materials: Access to CAD software during class and online resources for continued practice

Assessment

Examinations: Written exams assess theoretical knowledge and understanding of mathematical and scientific principles, as well as engineering concepts and principles.

Coursework may involve completing assignments, essays, and problem sets related to engineering topics. These assignments help students apply their theoretical knowledge to practical scenarios.

Practical assessments evaluate students' hands-on skills and their ability to work safely in a workshop setting.

Progression

Level 3 Advanced Manufacturing Engineering
Level 3 Apprenticeship
Trainee CAD Technician

Career Options

CAD Technician:
CAD technicians create detailed technical drawings and 3D models for various industries, including engineering, architecture, and manufacturing.

Drafter:
Drafters use CAD software to convert the designs of engineers and architects into detailed technical drawings.

Architectural Technician:
CAD skills are valuable in architectural firms for creating building plans, elevations, and interior layouts.

Mechanical Designer:
Mechanical designers use CAD software to create detailed plans for machinery, tools, and mechanical systems.

Civil Engineering Technician:
CAD skills are essential in civil engineering for designing infrastructure projects like roads, bridges, and utilities.

Electrical Design Technician:
CAD is used in electrical engineering to create schematics, wiring diagrams, and layouts for electrical systems.

Interior Designer:
Interior designers use CAD to create floor plans, layouts, and 3D renderings of interior spaces.

Product Designer:
CAD skills are crucial in product design for creating 3D models and prototypes of new products.

Manufacturing Technician:
CAD is used in manufacturing to design parts, machinery, and production processes

Mandatory Units

There are no mandatory units for this course.

Contact Details

For further information please contact T: 0161 886 7070 or E: info@trafford.ac.uk

Disclaimer

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.