Introduction to CNC Machining

Ofsted Outstanding Provider

Subject Type: Construction & Engineering

Course Overview:

This 10-week CNC Machining Course is to support learners who have an interest in this subject and is designed to equip learners with the technical skills and knowledge necessary for careers in advanced manufacturing and precision engineering.

Our CNC milling course is will guide students through the whole process of creating an offline NC program to producing a finished machined part regardless of prior knowledge.

What's Covered:

We will be using Autodesk FeatureCAM to create the offline programs by learning how to produce parts in the software workspace from hard copy drawings, creating stock, geometry, curves, features and cutter paths.

We will move to the machine and discuss the machine constraints and learn about tool setting, datums settings, offsets and file transfer.

This is an industrial software with a clear and easy to follow user friendly structure, once familiar with the software, students are usually surprised how quickly they can produce programs and parts.

Learners may have completed a previous Engineering qualification and wish to progress onto a higher-level qualification, or to gain/develop knowledge and skills required to work in industries where there are requirements to utilise industrial software and new technologies of the future.

This course will run one evening per week at our brand-new Institute of Technology Centre, Castle Street, Stafford.

Entry Requirements:

For entry onto this qualification learners must have a keen interest in advanced manufacturing. A background or previous study in an engineering specific qualification may be an advantage.

Assessment Information:

This is a competency based course will all learners receiving a college certificate upon completion.

Progression:

This course could help support upskilling within your current role, which can then be used to progress into more senior/complex job roles or to help support a career change.

This course could also help support learners gaining employment in the industry of Advanced Manufacturing or to progress onto further study/higher education.

How do I find out more?

To find out more about this course please get in touch by emailing info@sotsiot.ac.uk.