

Manufacturing Engineering Pathway

Manufacturing Engineering

Manufacturing Engineering is a new course starting in September that offers you the chance to develop knowledge, understanding and practical skills that would be used in the engineering and Manufacturing sector. The qualification for the course is the OCR Level 1/Level 2 Cambridge National in Engineering Manufacture which focusses on Manufacturing techniques and theory of metal, polymers, ceramics, smart Manufacturing and composites. During the project element of the course there are also opportunities to advance your skills in wood-based projects.

Information about the qualification

OCR Level 1/Level 2 Cambridge National in Engineering Manufacture

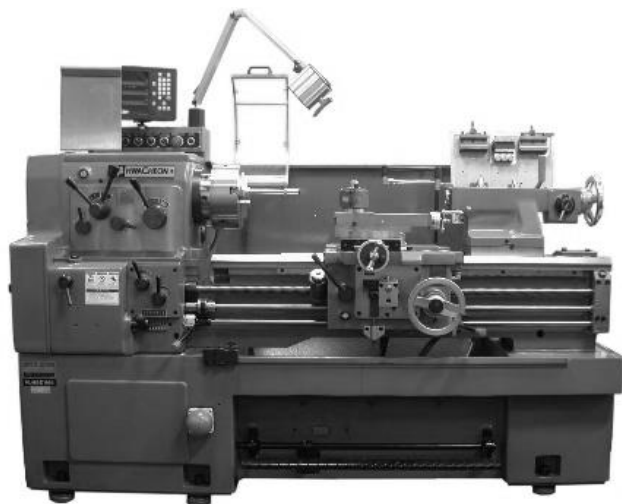
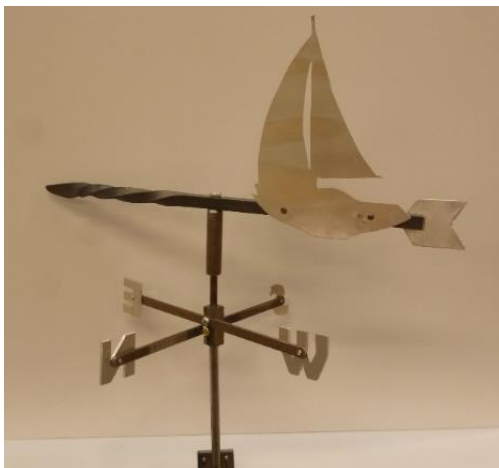
Qualification number: 603/7087/7

Type of qualification: Technical Award

You may be interested in this if you want an engaging qualification where you will use what you learn in practical, real-life situations, such as:

- The Manufacturing and processes used in engineering manufacture
- Safely producing a one-off product
- The use of Computer Aided Design (CAD) and Computer Numerical Control (CNC) to produce in quantity
- Using engineering conventions and communication methods such as orthographic projection

The course will help you to develop independence and confidence in using skills that would be relevant to the engineering Manufacturing sector. The qualification will also help you to develop learning and skills that can be used in other life and work situations such as problem solving, managing your time and working in a team.



How will the course be assessed?

There are three areas of assessment which will result in a pass, merit, distinction or distinction* award. They comprise of one exam (40%) and two NEA assignments (60%)

Unit one R014 (externally marked exam) 'Principles of engineering manufacture'.

Unit two R015 (internally marked individual project) 'Manufacturing a one-off product'.

Unit three R016 (internally marked individual project) 'Manufacturing in quantity'.

What can it lead to?

The Manufacturing Engineering course will lead to level 2 or level 3 qualifications in Engineering, it is ideally suited to students who want to pursue a career in the wide variety of engineering fields through an apprenticeship or further technical education paths.

