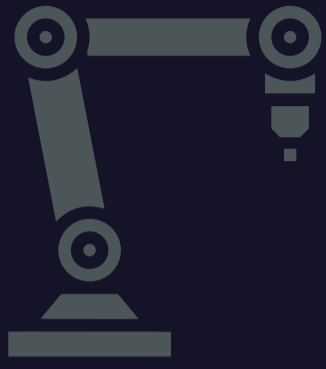


BTEC Engineering



Robotics Engineering

Be at the forefront of the **robotics revolution**. Combining engineering and computer science, robotic engineers use their knowledge to research, design and produce machines that are used in space, the military, industrial settings and for entertainment.

Mechanical Engineering

Mechanical engineers use their knowledge of **how energy is converted** from one form to another to design machines that can cope with the forces they are placed under, and to develop systems such as pumps, fans, turbines and power plants.



Aeronautical Engineering

Aeronautical engineering deals with the research, design, development, construction, testing, science and technology of aircraft. They deal with **all sorts of aircraft**, from civil and military to missiles, satellites and even space vehicles.



Where will BTEC Engineering take you?

Medical Engineering

Bridging the gap between medicine and engineering, medical engineers are **responsible for the life cycle of medical equipment**. They develop, test and introduce the latest equipment including pacemakers, artificial limbs and surgical equipment.



Chemical Engineering

From food, fertiliser, and pharmaceuticals, to cosmetics, plastics and petrol, chemical engineers understand **how chemicals form new substances** and how to create these reactions on an industrial scale.



Textile Engineering

From creating high performing sports fabrics to designing furnishings, textiles engineers research, design, test and produce materials. This combines knowledge of industrial, mechanical and chemical engineering **with an added flare of creativity**.



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