

Electrical – BEng Hons Electrical Engineering

FdEng Integrated Engineering – Electrical (3 years)

This course has been designed in consultation with a number of employers. They have expressed a need for engineering technicians with specialist knowledge, but with an appreciation of the engineering challenges across the various engineering disciplines.

It is for people currently working in engineering and provides you with the flexibility to work in various roles across your organisation.

We focus on work-based learning, so you apply your academic studies to your workplace. This ensures that the learning is relevant to both you and your employer.

You study the underlying principles of engineering before specialising in electrical engineering. Business operations and employability are covered throughout the course providing you with the skills and knowledge to build a successful engineering career.

Other skills you develop to improve your career potential include

- business management
- project management
- teamwork
- communication

You also complete projects which involve the analysing, designing, prototyping and testing of control and instrumentation systems and components.

After successfully completing this foundation degree, you will study for two more years of part-time to gain a BEng honours degree.

BEng Hons Electrical Engineering Top-up (2 years)

This top-up award is ideal if you have a HND or foundation degree and wish to develop your award to degree level studying part time. It prepares you for a career in an industry where there a demand for engineers with a sound knowledge of engineering applications, as well as people who understand the necessary techniques to develop, test and maintain them.

You gain a solid foundation of engineering principles and develop your specific knowledge relevant to industries. Your understanding of core engineering subjects and electrical engineering specialisms is also developed.

Our teaching laboratories include state of the art testing and analysis equipment which is housed in modern laboratories, and run by our highly experienced and knowledgeable staff.

As well as specialist knowledge, you gain the professional skills needed for a successful career in industry and commercial engineering enterprises. Project management study also develops your ability to plan, organise and manage resources.

Assessment tasks progressively mirror many of the projects that experts in industry and the professions would carry out, but are also designed to develop and test many of the key skills needed in employment generally.

Key areas of study include

- electrical and power electronic systems
- engineering control systems, robotics, and instrumentation