

Engineering

Choose a career in Engineering and you can be part of making great things happen. Studying Engineering will provide you with the opportunity to gain well-paid employment, equipped with skills recognised around the world.

Why choose to study with us?

- We have recently invested in a major refurbishment of our welding and fabrication facilities so they are now up to top industrial standards.
- In the competitive workplace, employers are expecting more than just a qualification. We offer that extra element to make you CV look more impressive. Working with people in different industries, we can offer you many additional experiences, allowing you to visit current engineering projects so you can observe the practical implementation of the skills you are learning.
- We work with the major employers in the Wolverhampton area, not only on Apprenticeship training, but on training and up-skilling their workforces. You may get the opportunity for a work placement with these employers to enhance your learning and allow you to put theory in to practice.
- Our links with employers have led to some of our full-time students being employed as an Apprentice with them. Employers include Goodrich (Actuators), Moog (Actuators and gearboxes) and HS Marston (aerospace cooling systems and exhaust extraction).
- We offer different career routes: while our Level 3 courses attract UCAS points for entry to university to study almost any technical undergraduate programme, the college has also invested in developing Apprenticeships, training which employers value.
- You can transfer onto an available Apprenticeship at any time during your course and be credited for what you've achieved at college. We also ensure that all full-time courses match what is required by the Technical Certificate in each discipline so you receive the best Apprenticeship training.
- The college is a caring environment where you can be assured that you will receive support, whether it be advice and guidance on careers, enrichment activities, or trained counselling should the need arise.



For news, competitions and offers like us on [facebook.com/wolvescollege](https://www.facebook.com/wolvescollege) and follow us on [@wolvcoll](https://twitter.com/wolvcoll)

Working with local employers...



Engineering BTEC Level 2 Extended Certificate

1 year • Paget Road Campus

Entry requirements

Diagnostic assessment plus four GCSEs at grade D to E in four.

This course is an ideal introduction to the Engineering industry and also includes 'Performing Engineering Operations' modules that are based on practical skills and are an excellent platform from which to launch your engineering career. Assessment is done through a range of practical and technical skills tasks, assignments and multiple choice tests.

Future options

Employment: You could apply for an Engineering Apprenticeship as this Level 2 Certificate acts as a Technical Certificate for an Apprenticeship programme.
Course: Level 3 programme.

Machining and/or Fabrication & Welding (Performing Engineering Operations) Level 2

1 year • Paget Road Campus

Entry requirements

Interview with course tutor.

This is a craft-based vocational course. The course is ideal if you have an interest in the practical or technical aspects of engineering and want to progress to an Apprenticeship and employment in the field of engineering. In this programme you'll learn all the basics of machining, welding and fabrication. You will learn practical skills in a range of engineering disciplines from machine shop skills, sheet metal work and welding, to electrical wiring and testing and CAD.

Future Options

Advanced courses, Advanced Apprenticeship or employment in the engineering industry.

Engineering BTEC Diploma Level 2

1 year • Paget Road Campus

Entry requirements

Four GCSEs at grade D or above including Maths and Science or BTEC Level 2 Extended Certificate in Engineering. To ensure you are on the right course we will also conduct a diagnostic assessment of your personal skills.

If you are interested in Engineering, how things work and want to develop your practical hands-on learning, then this is the course for you. The course will give you the knowledge, understanding and skills that you need to prepare for employment. The qualifications also provide career development opportunities for those already in work. This is a more academic programme than the certificate, with 12 modules studied; both practical, skills related such as CAD and CNC and an introduction to Maths and Science which develop your ability to apply number/problem solving skills.

Future Options

You can either progress to employment, apply for an Advanced Apprenticeship or move on to a further two-year Level 3 BTEC programme or Technical Certificate.



Engineering BTEC National Diploma Level 3

2 years • Paget Road Campus

Entry requirement

Four GCSE Grade C or above including Maths, Science and English or Level 2 Diploma in Engineering.

The aim of the course is to discover how Engineers solve problems in everyday life. It is part of the Advanced Apprenticeship Framework, completed over two years and will equip you with essential knowledge and skills. The qualification is equivalent to 3 A Levels and carries UCAS points to progress to higher education (university). The course is made up of 11 modules in subject areas which include: Mathematics, Mechanical Principles (science), Technical Drawing, CAD, CNC, Project management techniques, using technical instruments and technical manufacturing processes.

Future Options

Courses: BTEC, HNC or Foundation Degree or Degree, or an Apprenticeship or employment in the industry.



Electrical/Electronic Engineering EDEXCEL Diploma Level 2

1 year • Wellington Road Campus

Entry requirements

Four GCSEs at grade D or above including English and Maths plus an interview with the course tutor.

This course is ideal if you want to specialise in Electrical installation or Electronics. It covers: Electrical installation, circuit building, testing and inspection and fault finding. It is ideal for those wishing to move into the electrical or electronic trades or progress to a level 3. You will be assessed through a series of assignments and exams.

Future options

Study the Level 3 Diploma or Extended Diploma and this course may lead to a career as a Technical Engineer in the electronics industry, either in manufacturing or in servicing and repairing electronics. One career could be the manufacture of control systems for computer or telephone networks. If you go on to university it could lead to a variety of high level engineering careers, eg working for an aerospace company producing electronics systems that control aircraft.



Electrical/Electronic Engineering Extended Diploma Level 3

Also available as an apprenticeship
2 years • Wellington Road Campus

Entry requirements

Interview with course tutor plus a suitable NVQ, First Diploma in Engineering, or four GCSEs at grade C or above including Maths and English.

This course is designed to deliver a blend of technical knowledge and industry-recognised practical training to provide you with the skills and knowledge in the rapidly changing field of Engineering. The course is ideal if you are seeking the skills at Technician Engineer level in the field of Engineering or entry to a degree level qualification. Topics of study include: electronics, micro-electronic systems, electrical principles, Maths and fault-finding.

Future options

This course can lead directly to careers in the electronics industry. Alternatively further study at a higher level will lead to jobs such as a Software Engineer or Management positions in the electronic engineering industry.