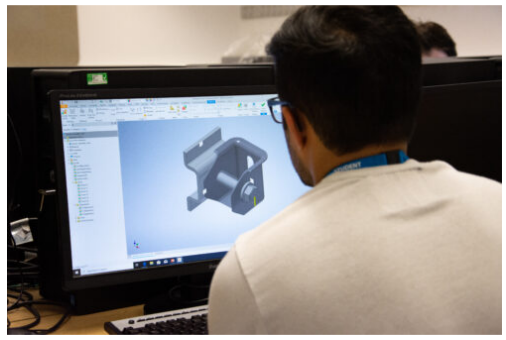
Working together to transform lives

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Engineering



Subject Area	Engineering
Course Type	School Leavers
Study Level	Level 3
Delivery Mode	Full-time
Duration	1 Academic Year
Start Date	September 2027
Course Code	PA000090

View on **bradfordcollege.ac.uk**

Course Summary

Are you ready to take the next step in your engineering journey?

Our Engineering course is perfect for those who want to build their skills and knowledge in this exciting field. You'll learn through a mix of classroom lessons, hands-on workshop sessions, and online portfolio work. This course will help you understand how things are made, how to use engineering tools, and how to solve problems in real work settings. It's the ideal way to prepare for jobs in engineering or to move on to university.

Why choose this course?

- Blend of Theory and Practice – Learn both in the classroom and in the workshop, building knowledge and real skills side by side.
- Industry-Focused Learning – Use tools and techniques used in mechanical and manufacturing engineering jobs today.
- Great Career and Study Options – This course prepares you for jobs like mechanical engineer or CAD technician, or to go on to university.

Is this course for me?

- You've already completed the Level 2 Engineering course
- You enjoy practical and technical learning
- You want a career in mechanical or manufacturing engineering
- You're thinking about going to university in the future

Ready to build your future in engineering? Apply now and gain the skills, experience, and confidence to take the next step.

What You Will Learn

Skills you'll develop:

- Staying Safe at Work – Understand health and safety rules in engineering and how to keep the workplace safe.
- Engineering Knowledge – Learn the basics of mechanics, materials, and how energy and heat work in machines.
- Using Tools and Machines – Get hands-on practice with real tools and machinery used in mechanical manufacturing.
- Reading and Creating Drawings – Understand how to read engineering drawings and use CAD software to design parts.
- Checking Quality – Learn how to inspect and test work to make sure everything meets the right standards.
- Managing Projects – Build skills to plan, carry out, and review engineering projects from start to finish.
- Teamwork and Communication – Work well with others and build confidence in sharing ideas clearly.
- Solving Problems – Think through challenges and find solutions in real engineering tasks.

Modules

Core modules:

- Working in Engineering
- Engineering Principles
- Manufacturing Principles
- Producing Components using Turning Techniques
- Producing Components using Milling Techniques
- Computer Aided Design (CAD)

Personal protective equipment (PPE) is a must have for this course.

You will need:

- Safety boots and fire-retardant overalls. These will be provided should you meet the conditions of the bursary*.

Please note*: *If your household income is £60,000 or below you may be eligible for a bursary to support things like: travel, meals, specialist equipment/clothing and childcare. To find out more, visit our* ***Financial Support*** *webpage.*

Entry Requirements

Entry to this course requires GCSE English Language, Maths and Science at grade 4 and above, and a Level 2 qualification in Engineering.

Work Experience

Gain hands-on experience in real-life industry settings!

For this course you must undertake employer involvement activities, where you'll dive into the world of work and gain the skills employers are looking for.

With this, you'll have hands-on experience to showcase on your CV, showing your industry skills to employers.

Progression

After completing this course, you'll be ready to pursue:

- Higher Apprenticeships in Engineering, working in areas like mechanical design, manufacturing, or maintenance engineering.
- University Degrees in Engineering in subjects such as Mechanical Engineering, Manufacturing Engineering, or Product Design.
- Roles such as CAD Technician, Quality Assurance Engineer, or Mechanical Engineering Technician.

Disclaimer: Our prospectus, college documents and website are simply here to offer a guide. We accept no liability for any inaccurate statements and are not responsible for any negative outcomes if you rely on an inaccurate statement. We reserve the right to withdraw any programmes or service at any time.