

# Engineering

## Engineering Operations (Fab & Weld)

**Campus:** Rotherham College

**Code:** R06SP02

**Level:** 2

### About This Course

This two-year course will build your competence in welding, you will also gain a relevant qualification that will improve your skills and career opportunities. You will need to be good at solving problems, structuring your workload and enjoy working as part of a team.

### What Will I Study?

You will study a range of topics including:

- Health and Safety
- Working Efficiently and Effectively in an Engineering Environment
- Conducting Business Improvement Activities
- Engineering Environmental Awareness
- Using and Communicating Technical Information
- TIG Welding
- MIG Welding
- Manual Metal Arc
- Plate Work
- Thermal Cutting
- Heat Treatment
- CNC Plasma Cutting
- CAD
- Carrying Out Heat Treatment of Engineering Materials
- Preparing and Using Manual Metal Arc Welding Equipment
- Producing Platework Components and Assemblies
- Cutting and Shaping Materials Using Thermal Cutting Equipment
- Employability Skills
- Tutorial Sessions

### Why Study Here?

- Learn from industry-experienced and well qualified tutors who have spent many years in the engineering sector, and have specialist qualifications and knowledge to bring to their teaching
- Participate in regular work placements to boost your skills
- Develop and enhance your employability skills
- Hear from a range of guest speakers from employers on the role of Fabricator Welder
- Participate in regular enrichment activities to improve your knowledge skills and behaviours within the Engineering environment

## Entry Requirements

GCSEs at grade 4 or above English and Maths

## How To Apply

You can apply using our online application form and clicking the **Apply Now** button at the top of this page.

For more information support with your enquiry or application please contact Student Services by emailing [info@rotherham.ac.uk](mailto:info@rotherham.ac.uk) [mailto:info@rotherham.ac.uk] or by calling **01709 362111**.

## What Courses Can I Progress Onto?

- Level 3 Fabricator Apprenticeship
- BTEC Level 3 Extended Diploma in Advanced Manufacturing Engineering

## Tuition Fees

- 16-18 year olds do not need to pay course fees
- Those aged 19 or over may not need to pay fees depending on their circumstances. Find out if you qualify for help with your fees [<https://www.rotherham.ac.uk/course-fees/>].

If you need further advice or guidance please contact the Enquiries Team on **01709 362111**.

## Additional Information

Whilst you are carrying out work within our Practical Workshops, you will require safety footwear and coveralls.

**PLEASE NOTE**

We make every effort to ensure information within our online course directory is accurate and a true representation of the courses we are offering in 2026-27. However, we do reserve the right to make changes if necessary.

**Last updated:** 27th March 2026