

# Engineering – Intermediate Machining

**b<sup>d</sup>**

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development  
@southport  
college

This apprenticeship is suitable for those who are currently working within this sector or are looking to gain employment within this sector as a Mechanical or Maintenance Engineer

## Why study this course?

- Apprentices will gain a good technical knowledge base of the sector as a whole and, combined with real, practical, work experience, will gain competency in the workplace and the development of transferable skills.

## Who is the course aimed at?

- People who are wanting to learn the basics and pursue a career in engineering.

## What will you study?

- Working in engineering
- Principles of engineering technology
- Principles of manufacturing
- Machine components using milling techniques
- Machining components using turning techniques
- Wiring and testing electrical circuits (optional)
- Preparing and using lathes for turning operations
- Preparing and using milling machines
- Producing sheet metal components and assemblies

## Knowledge and Skills you will develop

- This equips apprentices with the basic engineering skills, knowledge and understanding they need before starting the more job specific in-company training.

## Behaviours you will develop

- Working as an Engineer you will develop skills in communication, team work and interpersonal skills and the ability to improve your own learning and performance.
- Level 2 NVQ Diploma in Performing Engineering Operations
- Level 2 Certificates in Engineering
- Maths and English development
- Employee Rights and Responsibilities

## Entry requirements

- You will need to complete initial assessment in maths and English and take part in an interview with a member of our Assessment Team.
- You should also have a minimum of maths and science GCSEs Grades 2-4 or above.
- You will need to be working in an environment that will provide you with the opportunities to learn and develop your engineering skills.

## How long will it last?

- Between 12 – 24 months.

## How will it be delivered

- You will attend college 1 or 4 days per week. You will be required to complete online tests and present a portfolio of evidence.
- Maths and English development will be delivered through a mixture of College based sessions and assignment in the workplace.
- Employment rights and Responsibilities will be embedded into the NVQ delivery.

## Qualifications gained

- Level 2 NVQ Diploma in Performing Engineering Operations
- Level 2 Certificate in Engineering
- Maths and English development
- Employee Rights and Responsibilities

## Progression to further study

- The Apprenticeship in engineering scheme provides the best possible preparation to achieving trained operator/semi-skilled status within the industry. It may also, where appropriate, provide positive progression to an Advanced Apprenticeship or higher-level work.

## Further details

Further details on this framework can be found at:

[www.afo.sscalliance.org](http://www.afo.sscalliance.org)

## Who to contact

- For more information about apprenticeships, funding and training, please contact our Business Development Team on 01704 392817 or email on [employer@southport.ac.uk](mailto:employer@southport.ac.uk)

Apprenticeships at Southport College