

BELIEVE IN BETTER

START YOUR CAREER IN
ENGINEERING

#ChangingLives



WELCOME

Engineers design, build and maintain equipment, tools and vehicles, including planes, spacecraft and satellites. Engineers also manage, plan and design large scale projects such as bridges, building and transport links.

Careers in Engineering

Here are just a few examples of job titles that have been advertised in the South West region within the last year:

- Aerospace Engineer
- Civil Engineer
- CNC Machinist
- Energy Engineer
- Manufacturing Engineer
- Nuclear Engineer

Is Engineering an attractive career?

Take a look at the national employment statistics and earning potential – does it look good to you?

By **2025**, there are likely to be **108,146** people employed nationally within the Engineering industry, and the sector is predicted to see an **overall increase of 2.6%** (2022 – 2025 figures).

Engineering Professionals

National Average

£41,080

£21,840

Starter

£43,680

Experienced

Which is the same as



**£790
a week**

Employed Nationally

108,146

106,573

105,000

2022

2023

2024

2025

+2.6%

In the South West the average salary for this job is

£36,400

What type of skills and knowledge will you need?

- Maths knowledge
- Knowledge of engineering science and technology
- Knowledge of your engineering specialism
- Ability to use, repair and maintain machines and tools
- Design skills and knowledge
- Thorough and pay attention to detail
- Excellent verbal communication skills
- Ability to use your judgement and make decisions
- Thinking and reasoning skills
- Able to use a computer and the main software packages competently.

What can you expect to do?

You'll help manage each phase of a project, overseeing the work of technicians and other professionals. Your duties could include:

- Estimating costs for bids and tenders, covering equipment, time and labour
- Building 3D models with computer aided design/ manufacturing (CAD/CAM) software
- Testing systems and analysing data to work out the most cost-effective production methods
- Presenting plans to managers and clients for their approval
- Installing new equipment and machinery
- Investigating and fixing production problems
- Drawing up operation and training guidelines.

Working environment

You could work in a factory, in an office or in a laboratory.

Career path and progression

As an incorporated engineer, you would specialise in the day-to-day management of engineering operations. At chartered level, you would have a more strategic role, planning, researching and developing new ideas and streamlining management methods.

Qualification requirement

Level

6

The majority of those employed in this role will hold a BA/BSc degree with honours, degree apprenticeship, graduate diploma, Level 6 NVQ

Apprenticeship options include

- Level 3** Bespoke Furniture Maker
- Level 5** Mineral Products Technician
- Level 7** Through Life Engineering Services Specialist

Common study routes include

A Levels

Mathematics
Physics
Chemistry

Vocational

Mathematics
English

Degree Mechanical Engineering

Where do I start?

Wherever your starting point we have course that is right for you and will enable you to progress with confidence into the industry:

Have a go

3D Modelling & Printing

CAD Bootcamp

Kaizen Skills Accelerator (IoT certificated)

Level 2

Diploma in Engineering & Technology

T Level Transition Programme in Engineering

Lean Manufacturing in Engineering

Certificate in Computer Aided Design

General Welder (Arc Processes) Apprenticeship

Engineering Operative Apprenticeship

Level 3

Certificate in Advanced Manufacturing Engineering

T Level Engineering and Manufacturing: Manufacturing, Processing & Control

Engineering Technician (Machinist) - Advanced Manufacturing

Apprenticeships in: Engineering, Engineering Technician – Aerospace Manufacturing Fitter, Composites Technician, Engineering Technician – Mechatronics Maintenance Technician, Metal Fabricator, Engineering Technician – Product Design, Engineering Technician – Technical Support, Engineering Technician – Tool Technician

A Levels - Maths, Further Maths, Physics, Chemistry

Access to Higher Education - Science

Level 4+

HNC/D Aeronautical Engineering

HNC/D Mechanical Engineering

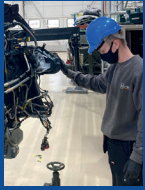
HNC/D Manufacturing Engineering

Engineering Manufacturing Technician (Level 4)

Manufacturing Engineer (Degree Apprenticeship Level 6)

Aerospace Engineer (Degree Apprenticeship Level 6)





Oliver Whyton

Level 6 Aerospace Engineering Apprentice,
formerly of The Thomas Hardy School

"I have gained lots of hands-on experience in the workplace and I have also been able to develop my theoretical knowledge through my studies with Yeovil College."

Contact Yeovil College for all the support you may need:



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