

OPPORTUNITIES AHEAD...

THE ROUTE TO YOUR CAREER IN
ENGINEERING

YOUR ROADMAP TO SUCCESS.

In partnership with:



WELCOME

The Engineering and Manufacturing industries are growing at a fast pace, with lots of exciting opportunities to work with the latest technology available in the area. Choose employment in a variety of locations depending on your specialism - from the office and factory floors to building sites, workshops, laboratories and plants.

BECOME A...

MANUFACTURING ENGINEER

“When you see the results; when you see your idea come to fruition...it's rewarding to know that something you did made a difference.” Ben



Scan here to hear Ben talk about what motivates him in his role as a Manufacturing Engineer.

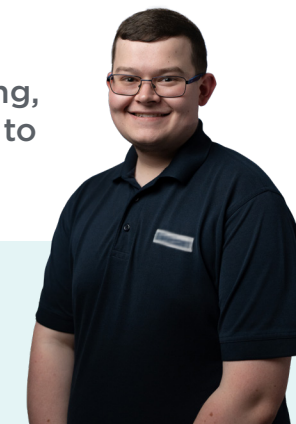


DESIGN ENGINEER

“No day is the same in repair engineering... so it's a really exciting, diverse and complex environment to work in.” Dan



Scan here to discover how Dan decided that a career in aerospace engineering was right for him.



SYSTEMS TEST ENGINEER

“When I found out I could study aircraft and be part of the engineering world, I knew that was what I wanted to do.” Trudie



Scan here for Trudie's advice to engineers of the future.



NUCLEAR ENGINEER

“ I’ve accomplished a lot since I was 16 years old - I wouldn’t have thought I’d be here.” Rosie



Scan here to listen to Rosie talk about what she enjoys about her role.



CLINICAL ENGINEER

“ This is my way of using my skills and knowledge to get the diagnosis and the treatment that they need.” Ryan



Scan here to see how Ryan uses his engineering skills to make a real difference in people's lives.

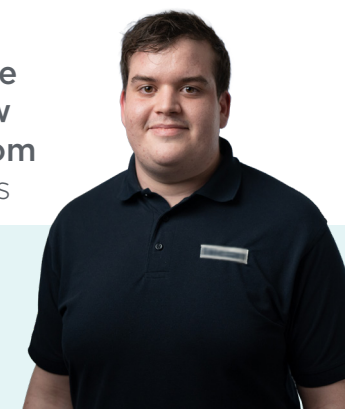


DESIGN ENGINEER

“ Working on live jobs, talking to senior engineers...if you're in the right environment you can grow and learn about engineering from the people around you.” Charles



Scan here to find out why Charles thinks an apprenticeship has been invaluable in building his engineering career.



CAREERS IN ENGINEERING


Here are just a few examples of popular roles in the South West region within the last year

- Maintenance Engineer
- Mechanical Design Engineer
- Structural Engineer
- HGV and Vehicle Technician
- Solutions Architect
- Electrical Design Engineer
- Mechanical Engineer
- Aerospace Engineer

WHAT SORT OF SKILLS WILL I NEED?

Here are some of the key skills that employers commonly ask for in the job advertisements

- Communication
- Management
- Innovation
- Infrastructure
- Customer service
- Problem solving
- Planning
- Operations
- Leadership
- Enthusiasm

BY **2027** *it is predicted that there will be*
5,000 
 ADDITIONAL ENGINEERING JOBS
 in the **SOUTH WEST**

 APPRENTICESHIPS are a great way to  and gain valuable
LEARN EXPERIENCE.
 There are currently **over**
100 ACTIVE 
 APPRENTICESHIPS CURRENTLY ADVERTISED
 on the **GOVERNMENT website**
 in the Heart of the **SOUTH WEST** area alone.

With **NEW DEVELOPMENTS** and **GOVERNMENT INITIATIVES** in

 **ADVANCED AEROSPACE
FOOD AND DRINK MANUFACTURING
& AI TECHNOLOGIES**

the sector is one of the

FASTEST
growing nationally



**FIND
YOUR
FUTURE**

ENGINEERING ROLES IN DEMAND FOR THE FUTURE

The South West is the UK's largest Aerospace and advanced engineering cluster. The cluster supports over 98,000 jobs and contributes £7 billion of value to the economy.

- **Aerospace Engineer**
- **Mechanical Engineer**
- **Materials Engineer**
- **Manufacturing Engineer**
- **Process Engineer**
- **Project Engineer**
- **Security Installation and Service Engineer**
- **Automation Engineer**
- **Quality Engineer**
- **Instrumentation and Engineer**

HOW MANY JOBS ARE OUT THERE?

Over 8.1 million people work in Engineering in the UK. This accounts for **26%** of all UK employment, **8% more** than two years ago.

WHAT CAN I EXPECT TO EARN WITHIN THIS INDUSTRY?

Salary is always dependent on qualifications, skills, experience and the demand locally.

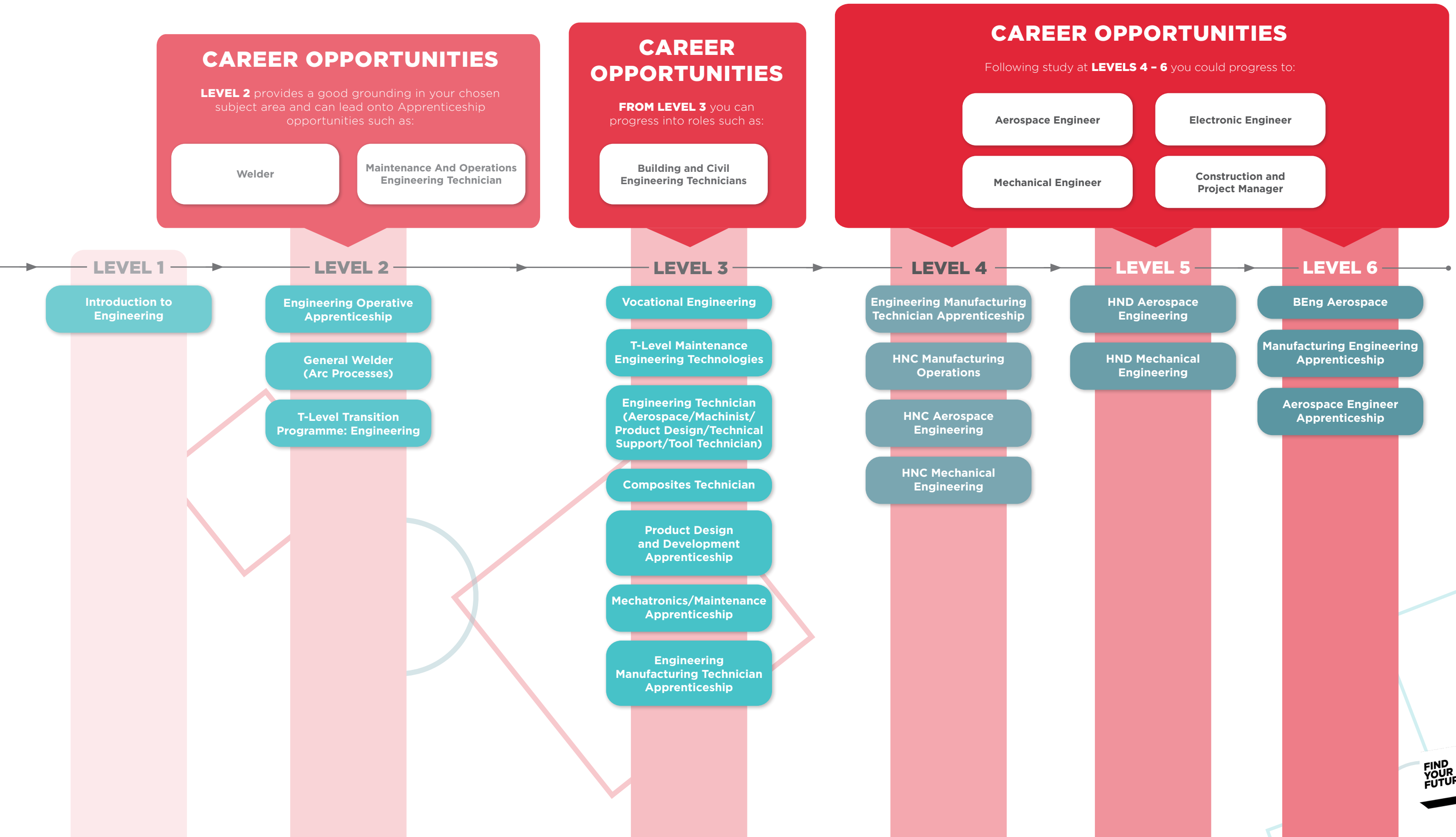
The average salary is **OVER**
£39,000 
IN THE SOUTH WEST REGION.

 **THIS IS OVER**
£20 PER HOUR

HOW TO REACH YOUR DREAM CAREER

Wherever you're starting from, we have a course or training programme that is right for you - one that will enable you to progress

with confidence into the industry or keep you up-to-date with emerging technologies to aid your career development.





“I was in a bit of a tough spot before applying for an apprenticeship course. I had to choose between studying and working full-time to pay bills. Clearly, the latter took priority and I found myself stuck in job roles that didn’t provide career or personal growth past the initial training. Once I found out that **working and earning a qualification simultaneously was a real possibility**, I looked into fields that I had no experience in, but I still felt an interest towards. With **no knowledge of how electronics work or how to use any mechanical tools**, I managed to land **an apprenticeship with Oxford Instruments**. Nearly four years in, and I already have established **a solid career path**, I’ve learned things that I thought would be difficult to grasp, and the **opportunity for further growth is ever present**.

For anyone on the fence about being in the engineering field, don’t be discouraged about the fact that you don’t know what half the tools even do. **The best way to learn is hands-on**, which **an apprenticeship provides an amazing opportunity for.**”

ANDRA

HNC in Electrical Engineering (year 2) and Level 3 Apprenticeship as Support Technician (year 4)



“I’ve always had a **strong interest in engineering**, but I felt that I’d gotten as far as I could in my previous job, so **I enrolled on the Production Engineering Level 3 course** in order to further my career opportunities, and **I’m so glad I did!**”

The course led me to **GKN Aerospace**, where I’ve completed the Level 3 and Level 4 apprenticeships and feel like **I have achieved so much more than I could have without the qualification.**

The **course lecturers were SO supportive**, and even though I’d never done anything like this previously, **I never felt like I was alone** or struggling.

Engineering is such a varied profession; it’s forever growing and always evolving and there are so many ways you can go with it. I’ve found that **you can always learn more, develop new skills** and **transfer to new areas** to build your knowledge base.

My words of advice would be – **there’s a lot of opportunity out there, you’ve just got to go for it.**”

BRUNO

Manufacturing Engineering Level 3



Contact the College today and we will support you with any advice and guidance you need to get on track to a successful career in Engineering.

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