



 @MESCareersDept

 [mescareersdept@maidenerleghtrust.org](mailto:mescareersdept@maidenerleghtrust.org)



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# Careers in Construction, Manufacturing and Engineering

Construction jobs involve more than just what you see on a building site. There is a huge range of choices in the industry. These involve designing, planning and project management, as well as doing the hands on, practical work.

A manufacturing job involves the creation of new products either from raw materials or by assembling different components through physical, chemical or mechanical means.

Engineering is the design, production and maintenance of the fundamental processes and materials we enjoy in today's society. It's a scientific discipline, manipulating different forms of energy to sustain industrial and technological advancement. These career paths are varied and broad, and offer many different ways to an exciting and challenging career.





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**Some videos about the industry from people who work in the industry:**

**[Careers in construction](#)**

**[A look at the different jobs in construction](#)**

**[Working at Balfour Beatty](#)**

**[Apprenticeships at Balfour Beatty](#)**

**[Project Manager - Careers in Construction](#)**

**[Women in Construction](#)**



**Discover these construction careers and engineering roles:**

**[Building services engineer](#)**

**[Construction manager](#)**

**[Consulting civil engineer](#)**

**[Contracting civil engineer](#)**

**[Engineering geologist](#)**

**[Mining engineer](#)**

**[Site engineer](#)**

**[Structural engineer](#)**

**[Water engineer](#)**





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Some details about working in the construction industry from the industry training board [here](#)

Learn about the different routes into a career in construction [here](#)

[Details about apprenticeship schemes](#)

TRAINEE

## BUILDING FUTURES

HANDBOOK

EXPLORING OPPORTUNITIES

WITH BERKELEY HOMES (OXFORD & CHILTERN)

## WHAT'S IN IT FOR YOU

Being a Building Futures trainee offers you a number of **advantages** when considering your post-school options, including:

### BUILDING FUTURES VS UNIVERSITY

- No student debt
- Learning whilst earning with a starting salary of at least £19,800
- Further education and work experience at the same time
- A chance to try out different career paths before choosing your course and career

### BUILDING FUTURES VS STANDARD APPRENTICESHIP

- An industry leading salary\*
- A chance to experience and understand every major job role in the industry before choosing a career and further education
- Training and development tailored to your needs

## Developing the right skills with us

Apprenticeships are an excellent way to build and develop your career. An apprenticeship with Bellway offers you the opportunity to:

- Achieve a nationally recognised qualification.
- Earn while you learn.
- Work for a five-star housebuilder.
- Progress your skills to a new level.
- Improve your knowledge and understanding of the housebuilding industry.

Bellway Apprenticeship programme

Amy Walsh - Apprentice of the year



Rebecca Fleetwood and Connor Boewarwa on site at Scotchbara, Whiston

Check our [website](#) for regular updates on apprenticeship schemes





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wood.

With 40,000 professionals, across 60 countries, Wood plc are one of the world's leading consulting and engineering companies operating across Energy and the Built Environment. United by our common purpose to unlock solutions to the world's most critical challenges, we are future ready, now.

View the wood YouTube channel [here](#) and the video [Imagine It. Invent It.](#)

The early careers section is useful for students to see typical roles available at Wood early in their career: [Early Careers | Wood Careers \(woodplc.com\)](#)

**Some valuable case studies can be viewed below:-**

[Humber Zero project | Wood \(woodplc.com\)](#)

[Hywind Tampen | Wood \(woodplc.com\)](#)

[Engineering solutions to heat homes with hydrogen | Wood \(woodplc.com\)](#)

[LNG on legs | Wood \(woodplc.com\)](#)

[Kuwait Integrated Petroleum Industries Company \(KIPIC\) Al-Zour refinery project | Wood \(woodplc.com\)](#)

[Innovative technology enables efficient use of water for the food industry in water-stressed region | Wood \(woodplc.com\)](#)





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We are a leading UK **construction** and infrastructure services company delivering vital economic and social infrastructure. We have continued to be forward thinking, innovate and pioneer new ways of working; from our role as a tier one contractor and strategic supplier to government, to our first-class project execution and the social value we provide for communities across the UK.

View the Kier YouTube channel [here](#)

Hear from Kier apprentices Chloe [here](#) and Sophie and Emily [here](#)

[Fergus](#) talks about being an assistant site manager, [Daniel](#) talks about being an assistant design manager, and [Tom](#) talks about being an Assistant Quantity Surveyor

View careers opportunities [here](#).





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View some details about  
manufacturing jobs [here](#)

Explore manufacturing careers [here](#)

Read about the different types of  
engineering and manufacturing  
careers [here](#)

An overview of the industry can be  
viewed [here](#)



The Jaguar Land Rover retailer apprenticeship programme offers both technical and commercial roles:

[Service Technician apprentice](#) – 3 year technical programme

[Customer Service Advisor apprentice](#) – 1 year commercial programme

[Parts Advisor apprentice](#) – 1 year commercial programme

[Sales Executive apprentice](#) – 1 year commercial programme

View the website [here](#) for more details





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For more than 70 years, AWE has supported the UK Government's nuclear defence strategy and the Continuous At Sea Deterrent. We also use our nuclear know-how and technical expertise to provide innovative solutions that support the UK's counter-terrorism and nuclear threat reduction activities.

AWE offer both Level 3 Advanced as well as Level 6 Degree apprenticeships. There's more information about each apprenticeship still on offer here [Apprenticeships – AWE](#)

Business Admin

Control & Instrumentation Maintenance

Control & Maintenance Technical Author

Electrical Maintenance

Electronic Design (Level 6)

Explosives Technician

Information Communications Technician

Manufacturing Engineer (Level 6)

Mechanical Maintenance

Mechatronic Maintenance

Nuclear Engineering – Electrical (Level 6)

Precision Machining

Quality Inspector





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We pioneer the power that matters to connect, power and protect society. Together, we can do amazing things.

Did you know that just one aero engine is made up of around 30,000 parts? 80% of these parts are bought from external suppliers by our procurement experts. But it's not just engine parts - anything we can't make ourselves, from IT, to training services, to new buildings, to catering services, to consumables - our Procurement teams negotiate, buy and manage it all. Learn more [here](#)

Visit the Rolls Royce careers website [here](#)  
View Bethan discussing her apprenticeship [here](#)

Maybe you're finishing school or college, or perhaps you're already in the world of work and looking for a change of career. Either way, our apprenticeships will set you on the road to success. Join us, and you'll contribute to our ground-breaking work. You can expect all the training and qualifications you need to get your ideas noticed, and the support to develop your skills and knowledge. You'll be welcomed into a friendly, inclusive culture where your unique perspective will be valued. A place where you can be your best and feel like you belong. Learn more [here](#)







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The Thales logo, featuring the word 'THALES' in a bold, blue, sans-serif font on a white rectangular background.

We're a team of over 6,500 experts, including 4,500 highly skilled engineers, across nine key UK sites. We have unrivalled experience across every major industry we serve - working around the clock to make life better and to keep us safer. We're a global technology business operating across aerospace, defence, digital security, transport and space.

[Find about the careers paths available for young people here](#)

[Thales Website](#)

[Thales YouTube channel](#)

[Adam Woolley - A day in the life of an Acoustic Engineer](#)

[Stuart Morgan - A day in the life of an Engineering Graduate](#)

[Holly Feeney - A day in the life of an Engineering Graduate](#)

[A day in the life of a Business Change Manager](#)

[Early Career opportunities](#)

