

Engineering is a broad work category that refers to jobs that use science and mathematics to solve a variety of problems. Engineers work in disciplines that include mechanical, electrical, chemical, civil, and environmental engineering, among others. Because engineering is such a broad field, there are many engineering job titles.

To find out more about the different engineering roles you could watch some real-life career stories:

[icould](#) and [Careers Box](#) have lots of different engineering videos, some of which are below, but click on the links above to view many more different stories.



Learn more about the many different engineering careers at [Tomorrow's Engineer](#) - think about taking the 'Meet the future you' quiz – what type of engineering role would suit you?

**Meet the future you**

Ever wondered what an engineer does?

Answer a few short questions and find out how YOUR skills and passions could lead to an exciting job in the future.

Whether you're just starting out, or are ready to think about your next steps, this is the quiz for YOU.

Take the quiz and get ready to be inspired...

The Big Bang Tomorrow's Engineers UCL ENGINEERING  
Change the world

Start quiz →

Explore the wide range of engineering roles at [National Career Service](#) and find out more about apprenticeships within [Engineering](#).

There's also lots of construction related engineering roles; find out more at [Go Construct](#)

## STRUCTURAL ENGINEER TECHNICIAN

Structural engineer technicians are a key part of the design and construction team, working alongside a wider design and construction team.

Average salary\*

£17000 - £25000

How to become > What does a structural engineer technician do? > Salary > Vacancies / apprenticeships >

Progression Opportunities >

### How to become a structural engineer technician?

To enter the structural engineering profession at technician level you will need a BTEC HNC/HND or foundation degree in engineering. With further training and experience on the job you could work up to engineer status.

### What does a structural engineer technician do?

- Working closely with the design team other professionals on construction plans
- Developing design ideas, using computer aided design (CAD)
- Investigating the properties of materials like glass, steel and concrete, and advising on which may be most suitable for the job
- Working out the loads and stresses on different parts of a structure like the foundations, beams, arches and walls
- Assist in the inspection of unsafe buildings, and recommending options for repairs or demolition
- The work is office and site based
- There may be an opportunity for you to work on projects around the world, depending on your employer and the nature of the projects you are working on
- The working week is between 35 and 40 hours

### Salary

- Newly trained Structural Engineer Technicians can earn in the region of £17,000 - £20,000
- Trained with experience Structural Engineer Technicians can earn in the region of £20,000 - £25,000
- Senior or Chartered Structural Engineer Technicians can earn in the region of £25,000 - £35,000

Salaries typically range depending on location and level of responsibility. Salaries and career options improve with chartered status.

\* Salaries have been collected from multiple industry sources and have been updated as of 2020

### Vacancies / apprenticeships

Find out lots more information such as:

- Salary
- How to become
- What tasks do you do?
- Where are the vacancies?
- Progression opportunities
- Related roles

Use [Labour Market information](#) and the Careerometer to compare different engineering jobs.

UK Average		Civil engineers	
Weekly Pay <b>£505</b>	Annual Pay <b>£26,260</b>	Weekly Pay <b>£880</b>	Annual Pay <b>£45,760</b>
Hours/Week <b>37.5h</b>	Hourly Pay <b>£13</b>	Hours/Week <b>41h</b>	Hourly Pay <b>£21</b>
<b>Workforce Change (projected)</b>		<b>Workforce Change (projected)</b>	
Growth <b>6%</b>	Replacement <b>39.5%</b>	Growth <b>5.9%</b>	Replacement <b>40.3%</b>
The workforce is projected to grow by 6% over the period to 2024, creating 1,974,000 jobs. In the same period, 39.5% of the workforce is projected to retire, creating 13,110,000 job openings.		The workforce is projected to grow by 5.9% over the period to 2027, creating 5,100 jobs. In the same period, 40.3% of the workforce is projected to retire, creating 34,700 job openings.	
This is the average combined for all industries across the UK. The pay and hours are that of an average full-time employee in this job, including bonuses, before tax and deductions.		You might find this job in Architectural & related Civil engineering Construction Specialised construction Head offices, etc	
<a href="#">Clear card</a>		<a href="#">More info</a>	<a href="#">Clear card</a>

Powered by LMI For All.

To find out more about Engineering opportunities within the Navy you could check out their [role finder](#) tool.



**ENGINEERING GENERAL TECHNICIAN (WORKSHOPS)**  
CURRENTLY RECRUITING

As a General Technician (Workshops) you will manufacture and repair parts for aircraft, vehicles and specialist equipment. You will be working in a specialist manufacturing and repair environment.

LEARN MORE ABOUT THIS ROLE

PAY DURING INITIAL TRAINING: **£15,670+** + Benefits

AFTER SUCCESSFUL COMPLETION OF PHASE TWO TRAINING: **£20,000+** + Benefits

[APPLY AS A RECRUIT](#)

SHARE

**IS THIS FOR YOU?**

**APPLICANTS MUST:**

- Be aged 16 - 47 years old (Must be 16 before 31st birthday)
- GCSE: Grade C/Grade 4 or GCSE Standard Grades at Grade 2/Scottish National 5 (Grade A - C) in English, Maths & Science/ Tech based subject
- Be a citizen of the United Kingdom or the Republic of Ireland, holder of dual UK/other nationality or have been a Commonwealth citizen since birth
- Consent to maximum 5 years post phase two training
- Pass the [Airman Selection Test](#)
- Pass a fitness test - Details below

**GREAT FOR THOSE INTERESTED IN:**

- Building
- Aircraft
- Transport
- Workshops

**APPRENTICESHIPS AVAILABLE:** Advanced Apprenticeship in Engineering in Manufacture

[VIEW ALL ENTRY REQUIREMENTS](#)

**WHAT WILL YOU DO?**

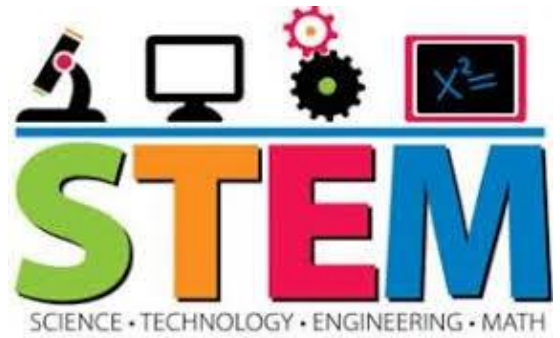
TYPICAL RESPONSIBILITIES

And for more information about Engineering roles with the RAF see their [website](#).

If you are really interested in finding out more about STEM there are some interesting STEM clubs online <https://www.stem.org.uk/stem-clubs>

As well as exciting workshops for young people <https://www.stem.org.uk/resources/collection/4115/young-engineers>

You can also check out some free online courses in Engineering, Science and Maths with [Future Learn](#).



Learn more about local engineering opportunities with employers based here in Derby!

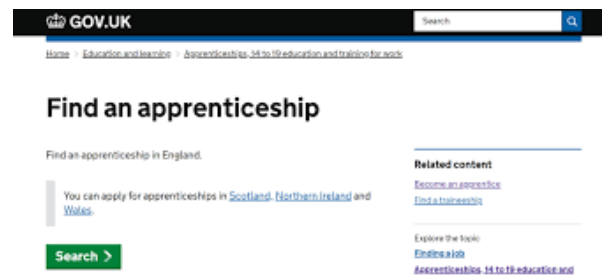


**BOMBARDIER**



Keep up with the latest Engineering related vacancies

<https://www.findapprenticeship.service.gov.uk>



**Tasks**

<p>Can you name three engineering roles?</p>	<p>1. 2. 3.</p>
<p>What subjects will help you develop valuable skills for an engineering career?</p>	
<p>What is the average salary of a Building Services engineer?</p>	