



## WORK INSPIRATION – Engineering

There are so many different areas of engineering to work in; however, most engineers choose to specialise in just one, such as chemical, automotive, robotics, aeronautical or electrical. Careers in engineering are constantly evolving and new processes and technologies are being developed all the time. This allows engineers to stay on the ball and react to new problems and challenges in their chosen field.

### General Careers Resources/Information

- What type of [Engineer](#) can I be? An article in **Career Stint** will let you know. It tells you about the different fields of engineering and can assist a student choose your field of interest. This Career Stint article enlists the different types of engineers and provides brief information about their job description.
- [Careers in Engineering](#). The Engineer has a beginner's guide to information on a career in this field. The writer and STEM Ambassador Sarah Anderson looks at engineering, the variety of careers involved in the sector, and the first steps required to embark on a career in engineering.
- Explore on the **UCAS** website the skills and qualities needed to be a [Biomedical Engineer](#)
- From **Brightbulb Engineering** the top 5 reasons why you should become a [Civil Engineer](#)
- If you are interested in becoming an engineer. This article in **Tomorrows Engineers** will give you tips to be ahead of your peers in this article about [Engineering Careers](#)
- An [article](#) on how the pandemic might change engineering education forever in the **Engineering and Technology Magazine**. When face to face teaching and laboratory experiments ceased and online teaching became the normal.
- If you fancy an engineering career in the **Armed Forces** links to the 3 Services are below:
  - [Royal Navy](#)
  - [Royal Air Force](#)
  - [Army](#)
- **Rhod Gilbert's** work experience series on the **BBC**. In this episode he explores a career path as a [Road Worker](#) with Wales largest civil engineering company Walters
- As part of the Women in Engineering Day 2020, **University of Oxford**, profiled their staff. [Meet Their Engineers](#) a selection of downloadable storyboards.
- **All About Careers** - what engineering career is for me? Find out which one is for you [here](#).

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- Engineering is one of the most fun and rewarding professions in the world. This [article](#) by **Interesting Engineering** gives you 10 reasons why. Some of the reasons include being able to travel the world to be able to make awesome things.
- Do you want to know what type of Engineer you should be? Try this [quiz](#) by **Lockheed Martin** to find out.
- **TED Talks** a curated collection of talks on careers in Engineering – fun and interactive [TED Talks](#)
- **The Institution of Engineering and Technology** have a series of [Look At Me Now](#) videos
- **BBC Bitesize Careers** on Engineering
  - [Meet Jasmine](#) an Apprentice Civil Engineer on the HS<sup>2</sup> project
  - [How to become](#) a Civil Engineering technician
  - Meet [Amy](#) a Formula 1 Design Engineer
  - [How to become](#) a Wings Designer
  - Find out about a [Naval Architect](#)
  - Explore full selection of Engineering [videos](#)
- **QUB** - the School of Mechanical and Aerospace Engineering at [QUB](#) has great links with industry
- Did you know that the UK has 37 of the Top 502 Engineering and Technology schools in a recent March 2020 [article](#) by **Top Universities**. The rankings are based on 4 criteria academic reputation, employer reputation, research citations per paper and the H-index (a way of measuring the productivity and impact of published work).
- An engineer is a problem solver – find out what engineering courses there are to study at [University of Southampton](#). To find out about studying here – book a slot on our [Virtual Open Days](#) in October now.
- Are you good with numbers, have great communication skills, a team player and lastly creative? If so, an engineering career might be for you at the [University of Sheffield](#).
- Maybe a traditional degree route is not for you, find out more about this [Civil & Infrastructure Engineering Apprenticeship](#) the **University of Warwick**, where you get paid and learn at the same time.
- **Tomorrow's Engineers** have [a guide](#) to which types of engineering you could study

## Studying at University

- [What type of Engineering should I study?](#) This article from **Top Universities** might give you an idea.
- On the **Oxford Institute of Biomedical Engineering** website, a first-year student describes how his hospital placements enhanced his learning in the field of [Biomedical Engineering](#)
- A guide from **UCAS** on why you should study [Aerospace Engineering](#)
- **UCAS** guide on the career path to becoming an [Electrical and Electronic Engineer](#)
- **Ulster University** - study engineering at [Ulster University](#) Their courses will provide students with a strong aptitude for analysing and solving problems using their scientific, mathematical and engineering skills.

## Speakers for Schools – Virtual Careers Talks

- This talk led by **Dina Gillespie, Lead Operations Manager at Thames Water** celebrates [Women in Engineering](#) and how you can support a more diverse workforce, challenge stereotypes and provide greater opportunities for women and girls in engineering.

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To find out more about our Work Inspiration programme, please contact [joanne.mehaffy@bitcni.org.uk](mailto:joanne.mehaffy@bitcni.org.uk), or visit [www.bitcni.org.uk/programmes/work-inspiration/](http://www.bitcni.org.uk/programmes/work-inspiration/) or [www.workinspiration-ni.com](http://www.workinspiration-ni.com)

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