

Science careers



Cogito ergo sum

<u>Engineer</u>

You could work in a variety of roles developing new products or solutions to technical challenges.

What do they do?

Depending on the area you specialise in, you could be working on jet engine fan blades or developing new cyber security tools

Summary:

Engineers use maths and science to solve different technical problems. Their main duties include developing new products for companies or individuals to use, providing maintenance to current products to enhance use designing new machines to improve an organisation's efficiency.



Do I need to go to College?



<u>Bolton Sixth Form College</u>

<u>Thornleigh Salesian College</u>

Turton Sixth Form College

Runshaw College

If you don;t want to go to College, Rolls Royce have opportunities for those leaving school at 16:

https://careers.rolls-royce.com/u nited-kingdom/students-and-gradu ates/apprenticeships-and-school-l eavers/#our-programmes-tabs

College courses:

A-level
Maths and
Physics for
those wanting
to study at
degree level.

T-level Engineering course.

How do I get into College?

A grade 6 or above in Maths and Science and a 5 in English is needed for A-levels (aim for the highest possible).

The T-level course requires a minimum of five GCSEs at Grade 4 or above, including Maths, English and Science. In addition, you will be required to attend a formal interview.

Can I get work experience?

https://www.baes ystems.com/en/ca reers/careers-inthe-uk/gaining-ex perience

https://careers.r olls-royce.com/uni ted-kingdom/stud ents-and-graduat es/graduates-and -interns/#our-pr ogrammes-uk

https://gmcareer shub.nhs.uk/learn ers/plan-your-car eer

Providers: How do I get onto the How long is the University degree? 👍 🔽 course and what degree course? BEng/MEng (Bachelors/Master of https://www. work experience Engineering) whatuni.com/ will I gain? Complete three degree-cours A-levels and gain at es/search?su least BBB (including BEng (Hons) is 3 bject=engine two sciences). years and MEng (Hons) four ering is Some courses with a years. foundation year For foundation accept lower grades. year courses (check that the course states foundation year). North west only courses are here. Providers How do I get onto the How long is the Degree apprenticeship? 👍 🔽 (list not course and what degree course? exhaustive): work experience Rolls Royce will I gain? Manchester Degree Apprenticeships Metropolitan **BAE Systems** A mix of work University is based skills Also look on the NHS a leading development and provider. apprenticeships University study See here. days will allow you website. to develop. Enter your postcode on the website and search Most courses last for live vacancies. between 3 and 6 years depending National vacancies for your

degree apprenticeships

here.

specialism.