



CHEMICAL ENGINEER

INTERESTING ENGINEERING JOBS IN
THE NORTH EAST

CHEMICAL ENGINEER

OVERVIEW

Chemical engineers typically design and operate industrial processes that convert raw materials into valuable products, such as clothes, food, drink and energy. The work will focus on changing the chemical, biochemical and physical state of a substance to turn it into something else. They tend to develop new processes or work on improving the processes currently in operation. Where you work will depend on the company, but places of work include labs, offices and processing plants. Sectors that constantly need skilled chemical engineers include energy and pharmaceuticals, both of which are thriving in the North East!

REGIONAL PRESENCE

The region is home to many companies from various sectors that all require the skills of a chemical engineer. Industries thriving in the region, such as the offshore and energy sector, are always in need of chemical engineers to help improve their energy conversion processes - as this industry continues to grow, so does the need for new skilled workers! Pharmaceutical companies in the region will all require chemical engineers to help them develop new processes to help keep them at the forefront of their industry. This industry is particularly well known and companies in the region are really excelling with some innovative processes - all of which would have involved the work of a chemical engineer!



SKILLS REQUIRED

Some skills you'd need to excel in this role include:

Communication

Whether working on your own or in a team, you'll need to communicate with a variety of people, so being able to speak, listen and write about the ideas and the project is vital.

Mathematics

This job requires a good understanding of engineering principles and mathematics will be used on a regular basis, so being competent in maths is key.

Problem solver

You'll essential work to solve engineering problems, so being able to identify and solve any issues that arise is essential.

Detail orientated and Methodical

You'll need to work in a logical order and have a keen eye to stop potential errors along the way.

EDUCATIONAL ROUTES

To gain a job as a chemical engineer you'll need a degree in chemical, process, or biochemical engineering. Most chemical engineers go on to gain a chartered engineering status, but for this your degree must be accredited by the Institution of Chemical Engineers (IChemE), and you must also have completed studies at Masters level. Once you've completed your studies and gain the necessary industrial experience, you can then gain chartered status. You can go into work after a foundation, undergraduate or postgraduate degree, different jobs requires different levels of education. Universities in the region, such as Newcastle and Durham, offer fantastic courses in engineering.

FOR MORE INFORMATION

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