Chemicals

Chemicals Overview

The chemical industry comprises the companies that produce industrial chemicals. Central to the modern world economy, it converts raw materials (oil, natural gas, air, water, metal, fibres, paints, pharmaceutical ingredients and minerals) into more than 70,000 different products.



1% of employment in the number is in chemicals

Useful subjects

- Maths
- IT
- Science
- English

Examples of Key Employers in the Humber









TRONOX



Did you know?

- The chemical industry employs approximately 5,000 in the Humber area
- The Humber has the UK's 2nd largest chemical cluster
- Total Lindsey Oil refinery at Killingholme is the UK's third largest oil refinery
- Phillips66 supply of high grade graphite coke production puts 500,000 new cars on the road
- Phillips66 Refinery supplies 20% of all UK's petroleum products, enough to keep 500,000 cars on the road each day
- The region has 5 power stations and 2 major oil refineries providing 27% of the UK's oil refinery production
- BP's chemical manufacturing facility in Hull is the largest producer of acetic acid (used in production of resin, adhesive & textiles) and acetic anhydride in Europe

Will there be opportunities available?

- By 2030, the UK Chemical Industry will have further reinforced its position as the country's leading manufacturing export and enabled the chemistry-using industries to increase their GVA contribution to the UK Economy by 50%, from £195 billion to £300 billion'
- The pharmaceutical industry is seeing competition from emerging economies for bulk manufacture. However, development and innovation still remain strong, so is likely to remain an important sector of the economy over the coming decades. Manufacturing will be dependent on the quality of research and development activity.

For further information visit:

- nationalcareers.service.gov.uk
- www.lmihumber.co.uk
- www.careersvandh.co.uk
- www.bridgingthegaphumber.co.uk
- www.cogentskills.com
- Look in your local newspapers
- Pop in to you local Job Centre
- Check out Social Media
- Attend events and seminars
- Check out YouTube
- And talk to family and friends

Good to know:

A lot of newer and really exciting jobs in the chemical sector that offer a good salary package need a science, technology or maths base.





Planning ahead...

Entry Level Involves building basic knowledge and

everyday situations and may be linked to

Traineeship Study Programme

Entry level Functional Skills English for speakers of other languages

GCSE (grades D-G or 1-3)

Study Programme Key Skills level 1

Functional Skills level 1

Apprenticeship

BTEC award, certificate and diploma level 2 Functional Skills level 2

field of work

Advanced Apprenticeship Advanced Extension Award

Key Skills level 3 NVQ level 3 Advanced diploma Progression diploma

technical and professional jobs, and/or managing and developing others

Certificate of higher education Key Skills level 4

higher grade technicians, professionals

Diploma of higher education

Diploma of further education

Higher Level Apprenticeship BTEC Advanced Professional award,

Graduate diploma

knowledge based professionals or in

knowledge based professionals or in

professional management positions

BTEC Advanced Professional award, certificate and diploma level 7 Fellowship and fellowship diploma Postgraduate certificate

Postgraduate diploma

Vocational qualifications level 8

Degree Level Apprenticeship

Some jobs do not formally state entry requirements but most of these require the employee to have basic skills and be capable

Production Worker

Warehouse Operator

Forklift truck Operator

Process Operator

Laboratory Technician

Laboratory Assistant

Marketing Assistant

Clerical Assistant

Laboratory Technician

Sales Manager

Credit Manager

Chemical Engineering Technician

Chemical Engineer

Senior Technician

Research Chemist

Analytical Chemist

Bio-Chemist

Forensic Scientist