

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.

1.9% of employment in the Humber is in chemicals



Examples of Key Employers in the Humber



Useful subjects

- Maths
- IT
- Science
- English

Did you know?

- The chemical industry employs approximately 6,000 in the Humber area and generates a combined turnover of £6 billion
- 100 big chemical and refining companies operate in the Humber area
- These account for just over 10% of the UK chemical industry
- Around 80% of the Humber chemical industry's manufactured products are exported
- The Humber area has 2 major refineries providing up to a 5th of the UK's petroleum requirement
- The Humber has the UK's 2nd largest chemical cluster with eight world-class chemicals and green energy businesses being housed on the banks of the Humber at Salt End Chemicals Park

Will there be opportunities available?

- 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:

- National Careers Service
- www.lmihumber.co.uk
- www.careersyandh.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
- And talk to family and friends



"This investment forms part of the Humber LEP's European Structural and Investment Funds (ESIF) allocation"



Planning ahead...

Some jobs do not formally stated entry requirements but most of these require the employee to have basic skills and be capable of undertaking on-the-job training and working towards professional qualifications.

Salaries starting from

£30,000+ £25,000+ £19,000+ £17,000+ £14,000+

Entry Level

Involves building basic knowledge and skills and is not geared towards specific occupations

Traineeship
Study Programme
Entry level certificate
Entry level Skills for Life
Entry level Award, Certificate and Diploma
Entry level Functional Skills
Entry level Foundation Learning
English for speakers of other languages (ESOL)

Level 1

Involves activities which mostly relate to everyday situations and may be linked to job competence

GCSE (grades D-G or 1-3)
Traineeship
Study Programme
Key Skills
NVQ
Skills for Life
Foundation Diploma
BTEC Award, Certificate and Diploma
Foundation Learning
Functional Skills
OCR National

Level 2

Involves building knowledge and or skills in relation to an area of work or subject area appropriate for many job roles

GCSE (grades A*-C or 4-9)
Intermediate Apprenticeship
Key Skills
NVQ
Skills for Life
Higher Diploma
BTEC award, Certificate and Diploma
Functional Skills

Level 3

Involves obtaining detailed knowledge and skills. It is appropriate for people wishing to go to university, working on their own or in some areas, supervising others in their field of work

AS and A level
Advanced Apprenticeship
Advanced Extension Award
Cambridge International Award
International Baccalaureate
Key Skills
NVQ
Advanced Diploma
Progression Diploma
BTEC award, Certificate and Diploma
BTEC National
OCR National
Cambridge National

Level 4

Appropriate for people working in technical and professional jobs, and/or managing and developing others

HNC
Higher Level Apprenticeship
Key Skills
NVQ
BTEC Professional Award, Certificate and Diploma
Certificate of higher Education

Level 5

Appropriate for people working as higher grade technicians, professionals or managers

HND
NVQ
Higher Level Apprenticeship
Higher Diploma
BTEC Professional Award, Certificate and Diploma
HNC
Diploma of Higher Education (DipHE)
Diploma of Further Education
Foundation Degree

Level 6

Involves the achievement of high level professional knowledge and is appropriate for people working as knowledge based professionals or in professional management positions

NVQ
Higher Level Apprenticeship
BTEC Advanced Professional Award, Certificate and Diploma
Degree with Honours (BA Hons, BSc Hons)
Graduate Certificate
Graduate Diploma

Level 7

Involves the achievement of high level of professional knowledge and is appropriate for people working as knowledge based professionals or in professional management positions

BTEC Advanced Professional Award, Certificate and Diploma
Fellowship and Fellowship Diploma
Postgraduate Certificate
Postgraduate Diploma
NVQ
Degree Level Apprenticeship
BTEC Advanced Professional Award, Certificate and Diploma
Master's degree

Level 8

Involves the achievement of high level professional knowledge and is appropriate for people working as knowledge based professional management positions

NVQs
Vocational qualifications
Doctorate
Degree Level Apprenticeship
Postgraduate Certificate

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
Production Manager
Sales Engineer
Research Chemist
Analytical Chemist
Bio-Chemist
Forensic Scientist

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.