

WJEC

A Level Chemistry and Careers in Chemistry

Find examples of relevant careers for subsections of the curriculum and link through to job profiles for further information. The profiles will give your students real world examples of jobs in the aspects of chemistry they enjoy most. They are written by teachers for teachers.

Simply click on the job title to go to the job profile on
A Future in Chemistry.

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A Level Chemistry and Careers in Chemistry 1 of 7

AS Unit 1 – The language of chemistry, structure of matter

1.2 Basic ideas about atoms

- › [Research assistant, healthcare](#)

1.3 Chemical calculations

- › [Analytical chemist, health](#)
- › [Bioanalytical scientist](#)
- › [School science technician](#)
- › [Analytical chemists, Thames Water](#)
- › [Nanotoxicologist](#)

1.4 Bonding

- › [Analytical technician, plastics](#)
- › [Development chemist, printing and inks](#)
- › [Postdoctoral research associate](#)
- › [Research innovations manager](#)
- › [Computational toxicologist](#)
- › [Nanotoxicologist](#)
- › [Research fellow](#)
- › [Science communicator](#)

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AS Unit 1 – The language of chemistry, structure of matter

1.5 Solid structures

- › [Computational toxicologist](#)
- › [Nanotoxicologist](#)
- › [Postdoctoral research associate](#)
- › [Science communicator](#)

1.6 The periodic table

- › [Analytical chemists, Thames Water](#)
- › [Laboratory analyst and higher degree apprentice, water](#)
- › [Development chemist, printing and inks](#)
- › [Science communicator](#)

1.7 Simple equilibria and acid-base reactions

- › [Analytical chemist, health](#)
- › [Development chemist, printing and inks](#)
- › [School science technician](#)
- › [Analytical chemists, Thames Water](#)
- › [Laboratory analyst and higher degree apprentice, water](#)

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AS Unit 2 – Energy, rate and chemistry of carbon compounds

2.1 Thermochemistry

- › [Chief chemist](#)
- › [Project leader in enhanced experimentation](#)

2.4 Organic compounds

- › [Associate principal scientist, food](#)
- › [Associate scientist, pharmaceuticals](#)
- › [Chief technology officer](#)
- › [Computational toxicologist](#)
- › [Development chemist, printing and inks](#)
- › [Forensic toxicologist](#)

2.5 Hydrocarbons

- › [Analytical technician, plastics](#)
- › [Associate principal scientist, food](#)
- › [Project leader in enhanced experimentation](#)
- › [Research innovations manager](#)

2.7 Alcohols and carboxylic acids

- › [Forensic scientist](#)

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AS Unit 2 – Energy, rate and chemistry of carbon compounds

2.8 Instrumental analysis

- › [Advanced apprentice – forensics](#)
- › [Analytical chemists, Thames Water](#)
- › [Associate principal scientist, food](#)
- › [Associate researcher](#)
- › [Atmospheric chemist](#)
- › [Chief technology officer](#)
- › [Director of IRC in biomedical materials](#)
- › [Forensic scientist](#)
- › [Household goods scientist](#)
- › [Nanotoxicologist](#)
- › [Research innovations manager](#)
- › [Senior analytical systems technician](#)
- › [Analytical chemist, health](#)
- › [Assistant analyst, drug control centre](#)
- › [Associate scientist, pharmaceuticals](#)
- › [Astrochemist](#)
- › [Bioanalytical scientist](#)
- › [Development chemist, printing and inks](#)
- › [Environmental chemist](#)
- › [Forensic toxicologist](#)
- › [Laboratory analyst and higher degree apprentice, water](#)
- › [Research assistant, healthcare](#)
- › [Scientific associate, NMR spectroscopy](#)
- › [Sports scientist](#)

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A2 Unit 3 – Physical and inorganic chemistry

3.1 Redox and standard electrode potential

- › [Patent attorney](#)

3.4 Chemistry of the d-Block transition metals

- › [Analytical chemists, Thames Water](#)
- › [Chief technology officer](#)
- › [Project manager](#)

3.6 Enthalpy changes for solids and solutions

- › [Chief chemist](#)
- › [Project leader in enhanced experimentation](#)

3.9 .9 Acid-base equilibria

- › [Analytical chemist, health](#)
- › [Analytical chemists, Thames Water](#)
- › [Development chemist, printing and inks](#)
- › [Laboratory analyst and higher degree apprentice, water](#)

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A2 Unit 4 – Organic chemistry and analysis

4.1 Stereoisomerism

- › [Associate principal scientist, food](#)
 - › [Research innovations manager](#)
- [Nanotoxicologist](#)

4.2 Aromaticity

- › [Analytical technician, plastics](#)
- › [Associate principal scientist, food](#)
- › [Nanotoxicologist](#)

4.4 Aldehydes and ketones

- › [Flavour chemist and innovation](#)

4.5 Carboxylic acids and their derivatives

- › [Flavour chemist and innovation](#)

4.6 Amines

- › [Development chemist, printing and inks](#)

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A2 Unit 4 – Organic Chemistry and Analysis

4.7 Amino Acids, Peptides and Proteins

- › [Postdoctoral research associate](#)

4.8 Organic Synthesis and Analysis

- › [Advanced apprentice – forensics](#)
- › [Analytical chemists, thames water](#)
- › [Assistant analyst, drug control centre](#)
- › [Associate researcher](#)
- › [Astrochemist](#)
- › [Atmospheric chemist](#)
- › [Chief technology officer](#)
- › [Director of IRC in biomedical materials](#)
- › [Environmental chemist](#)
- › [Forensic scientist](#)
- › [Laboratory analyst and higher degree apprentice, water](#)
- › [Scientific associate, NMR spectroscopy](#)
- › [Research assistant, health](#)
- › [Analytical chemist, health](#)
- › [Analytical technician, plastics](#)
- › [Associate principal scientist, food](#)
- › [Associate scientist, pharmaceuticals](#)
- › [Bioanalytical scientist](#)
- › [Development chemist, printing and inks](#)
- › [Director of medicinal chemistry](#)
- › [Forensic toxicologist](#)
- › [Household goods scientist](#)
- › [Nanotoxicologist](#)
- › [Senior analytical systems technician](#)
- › [Sports scientist](#)
- › [Research innovations manager](#)

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