

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

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

1.2 Basic ideas about atoms

- › [Radioactive waste consultant](#)
- › [Research assistant, healthcare](#)
- › [Secondary school science teacher](#)

1.3 Chemical calculations

- › [Analyst –higher apprentice, organic chemistry](#)
- › [Analytical chemist, health](#)
- › [Analytical chemists, Thames Water](#)
- › [Bioanalytical scientist](#)
- › [Director](#)
- › [Medicinal chemist, drug discovery](#)
- › [Nanotoxicologist](#)
- › [Pollution control officer](#)
- › [Process chemist – higher apprentice, pharmaceuticals](#)
- › [Professor of environmental chemistry](#)
- › [School science technician](#)
- › [Secondary school science teacher](#)

1.4 Bonding

- › [Analytical technician, plastics](#)
- › [Computational toxicologist](#)
- › [Development chemist, printing and inks](#)
- › [Nanotoxicologist](#)
- › [Postdoctoral research associate](#)
- › [Research fellow](#)
- › [Research innovations manager](#)
- › [Science communicator](#)
- › [Secondary school science teacher](#)
- › [Senior principal scientist](#)
- › [Senior software developer](#)

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

1.5 Solid structures

- › [Associate professor and enterprise, partnerships and innovation lead](#)
 - › [Computational toxicologist](#)
 - › [Development chemist, printing and inks](#)
 - › [Nanotoxicologist](#)
 - › [PhD researcher](#)
 - › [Postdoctoral research associate](#)
 - › [Science communicator](#)
 - › [Secondary school science teacher](#)
 - › [Senior software developer](#)
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AS Unit 1 –The language of chemistry, structure of matter

1.6 The periodic table

- › [Analyst –higher apprentice, organic chemistry](#)
- › [Analytical chemists, Thames Water](#)
- › [Development chemist, printing and inks](#)
- › [Laboratory analyst and higher degree apprentice, water](#)
- › [Museum scientist](#)
- › [Process chemist – higher apprentice, pharmaceuticals](#)
- › [Professor of environmental chemistry](#)
- › [Science communicator](#)
- › [Secondary school science teacher](#)
- › [Senior curator](#)

1.7 Simple equilibria and acid-base reactions

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

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

2.1 Thermochemistry

- › [Chief chemist](#)
- › [Director](#)
- › [Process chemist – higher apprentice, pharmaceuticals](#)
- › [Project leader in enhanced experimentation](#)
- › [Secondary school science teacher](#)

2.2 Rates of reaction

- › [Chief executive officer, ViridiCO2](#)
- › [Process chemist – higher apprentice, pharmaceuticals](#)
- › [Secondary school science teacher](#)
- › [Senior principal scientist](#)

2.3 The wider impact of chemistry

- › [Analyst –higher apprentice, organic chemistry](#)
- › [Associate professor and enterprise, partnerships and innovation lead](#)
- › [Bioleaching lab technician](#)
- › [Chief executive officer, ViridiCO2](#)
- › [Chief technology officer and co-founder of Lixea, a sustainable solutions company](#)
- › [Environmental process specialist](#)
- › [Executive editor, scientific publishing](#)
- › [Head of research and sustainability](#)
- › [Marine biogeochemist](#)
- › [Marketing development manager](#)
- › [Medicinal chemist, drug discovery](#)
- › [Museum scientist](#)
- › [PhD researcher](#)
- › [Professor of biorefineries](#)
- › [Professor of environmental chemistry](#)
- › [R&D Chemist](#)
- › [Radioactive waste consultant](#)
- › [Research & development team leader](#)
- › [Research fellow, battery recycling](#)
- › [Science career coach and mentor](#)
- › [Scientific Consultant](#)
- › [Scientist, Incident Management & Crisis Resolution](#)
- › [Secondary school science teacher](#)
- › [Section leader, wind](#)
- › [Senior director of chip research](#)
- › [Solar technology engineer](#)

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

2.3 The wider impact of chemistry (continued)

- › [Associate professor](#)
- › [Director](#)
- › [Pollution control officer](#)
- › [Qualified Person, pharmaceuticals](#)
- › [Senior curator](#)
- › [Senior principal scientist](#)
- › [Senior research and development scientist](#)
- › [Senior science manager](#)
- › [Soil scientist](#)

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](#)
- › [Chief technology officer and co-founder of Lixea, a sustainable solutions company](#)
- › [Marketing development manager](#)
- › [Project leader in enhanced experimentation](#)
- › [R&D Chemist](#)
- › [Research innovations manager](#)
- › [Secondary school science teacher](#)

2.7 Alcohols and carboxylic acids

- › [Forensic scientist](#)
- › [Secondary school science teacher](#)
- › [Senior science manager](#)

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

2.8 Instrumental analysis

- › [Advanced apprentice – forensics](#)
- › [Analyst –higher apprentice, organic chemistry](#)
- › [Analytical chemist, health](#)
- › [Associate principal scientist, food](#)
- › [Associate researcher](#)
- › [Associate scientist, pharmaceuticals](#)
- › [Astrochemist](#)
- › [Atmospheric chemist](#)
- › [Bioanalytical scientist](#)
- › [Chief technology officer](#)
- › [Chief technology officer and co-founder of a robotic chemists' company](#)
- › [Development chemist, printing and inks](#)
- › [Director of IRC in biomedical materials](#)
- › [Environmental chemist](#)
- › [Forensic scientist](#)
- › [Forensic toxicologist](#)
- › [Household goods scientist](#)
- › [Laboratory analyst and higher degree apprentice, water](#)
- › [Analytical chemists, Thames Water](#)
- › [Assistant analyst, drug control centre](#)
- › [Associate principal scientist, food](#)
- › [Museum scientist](#)
- › [Nanotoxicologist](#)
- › [Pollution control officer](#)
- › [Process chemist – higher apprentice, pharmaceuticals](#)
- › [Professor of environmental chemistry](#)
- › [Research assistant, healthcare](#)
- › [Research innovations manager](#)
- › [Scientific associate, NMR spectroscopy](#)
- › [Secondary school science teacher](#)
- › [Senior analytical systems technician](#)
- › [Senior director of chip research](#)
- › [Soil scientist](#)
- › [Sports scientist](#)
- › [Teaching technical specialist](#)
- › [University laboratory technician apprentice](#)

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A2 Unit 3 –Physical and inorganic chemistry

3.1 Redox and standard electrode potential

- › [Associate professor and enterprise, partnerships and innovation lead](#)
- › [Patent attorney](#)
- › [PhD researcher](#)
- › [Research fellow, battery recycling](#)
- › [Scientific Consultant](#)
- › [Secondary school science teacher](#)
- › [Solar technology engineer](#)

3.4 Chemistry of the d-block transition metals

- › [Analytical chemists, Thames Water](#)
- › [Bioleaching lab technician](#)
- › [Chief executive officer, ViridiCO2](#)
- › [Chief technology officer](#)
- › [Director](#)
- › [Environmental process specialist](#)
- › [Museum scientist](#)
- › [Product and process development manager](#)
- › [Project manager](#)
- › [Secondary school science teacher](#)
- › [Senior principal scientist](#)

3.6 Enthalpy changes for solids and solutions

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

3.9 Acid-base equilibria

- › [Analytical chemist, healthcare](#)
- › [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](#)
- › [Medicinal chemist, drug discovery](#)
- › [Secondary school science teacher](#)
- › [Nanotoxicologist](#)

4.2 Aromaticity

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

4.3 Alcohols and phenols

- › [Secondary school science teacher](#)
- › [Senior science manager](#)

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](#)

4.7 Amino Acids, Peptides and Proteins

- › [Postdoctoral research associate](#)

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A2 Unit 4 –Organic chemistry and analysis

4.8 Organic Synthesis and Analysis

- › [Advanced apprentice – forensics](#)
- › [Analyst –higher apprentice, organic chemistry](#)
- › [Analytical chemist, healthcare](#)
- › [Analytical chemists, Thames Water](#)
- › [Analytical technician, plastics](#)
- › [Chief technology officer](#)
- › [Chief technology officer and co-founder of a robotic chemists' company](#)
- › [Chief technology officer and co-founder of Lixea, a sustainable solutions company](#)
- › [Development chemist, printing and inks](#)
- › [Director of IRC in biomedical materials](#)
- › [Director of medicinal chemistry](#)
- › [Environmental chemist](#)
- › [Forensic scientist](#)
- › [Forensic toxicologist](#)
- › [Household goods scientist](#)
- › [Laboratory analyst and higher degree apprentice, water](#)
- › [Marketing development manager](#)
- › [Medicinal chemist, drug discovery](#)
- › [Museum scientist](#)
- › [Nanotoxicologist](#)
- › [Process chemist – higher apprentice, pharmaceuticals](#)
- › [Professor of biorefineries](#)
- › [Professor of environmental chemistry](#)
- › [R&D Chemist](#)
- › [Research assistant, healthcare](#)
- › [Research innovations manager](#)
- › [Scientific associate, NMR spectroscopy](#)
- › [Scientist, Incident Management & Crisis Resolution](#)
- › [Secondary school science teacher](#)
- › [Senior analytical systems technician](#)
- › [Senior director of chip research](#)
- › [Senior science manager](#)
- › [Soil scientist](#)
- › [Sports scientist](#)
- › [Teaching technical specialist](#)
- › [University laboratory technician apprentice](#)