

Chemistry

My Learning, My Future

Where can studying Chemistry take you? Highlighting the relevance of Chemistry to future careers and opportunities

Why study Chemistry?

Discover the
science behind
everyday life

Developing
essential skills

Unlock
exciting career
opportunities

Solve
real-world
problems

Make a
difference in
medicine

Explore a career as a...

Here are some example roles and careers linked to Chemistry



Pharmacologist

BBC Bitesize case study



Chemist

BBC Bitesize case study

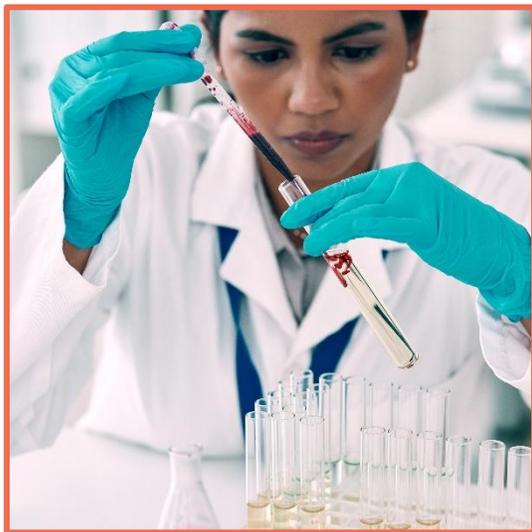


Research and Development

STEM Learning case study

Explore a career as a...

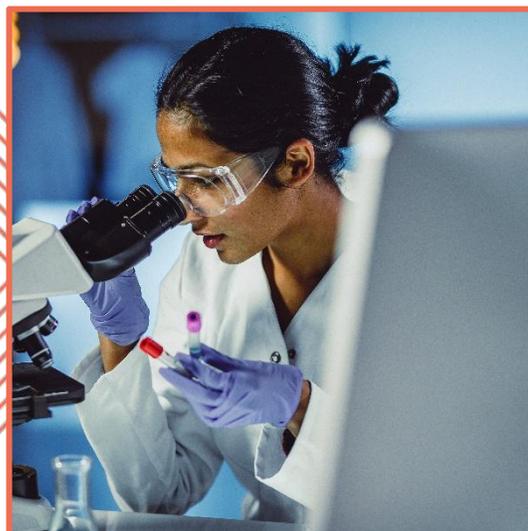
Here are some example roles and careers linked to Chemistry



Biochemist

BBC Bitesize case study

STEM Learning case study



Chemical Engineer

NSF case study



Nuclear Chemical Technician

BBC Bitesize case study

Not so obvious subjects using Chemistry:

Ever thought about..?



[How to become an Air Ambulance Doctor: Matt's story](#)

[How to become a Vet: Lucy's story](#)

[How to become a Professor: Saiful Islam's story](#)

<https://www.bbc.co.uk/bitesize/articles/zhst2sg>



[Agronomist | Explore careers | National Careers Service](#)

[Fingerprint Officer | Explore careers | National Careers Service](#)

[Technical Brewer | Explore careers | National Careers Service](#)

<https://nationalcareers.service.gov.uk/explore-careers>



MYPATH Job of the week (Chemistry)

Toxicologist

Anaesthetist

Veterinary Surgeon

From passion to profession:

Share a role that sparks your interest

Prepare a 3-5 minute talk to share with a small group on any role that interests you related to Chemistry.



- What is the role?
- What do you need to do to get this role?
- Where do you need to go to carry out this role?
- What might a typical day look like?
- Why are you interested in this role?

Discover more about the role

Explore careers using [National Careers Service](#) and find out about what jobs involve and how they are right for you

Includes:

- Average salary
- Typical hours
- Work patterns
- Pathways/How to become
- Essential Skills
- Daily tasks
- Career path and progression
- Current opportunities

- [Pharmacologist](#)
- [Chemist](#)
- [Research and Development](#)
- [Biochemist](#)
- [Chemical Engineer](#)
- [Nuclear Technician](#)

National Careers Service

We provide information, advice and guidance to help you make decisions on learning, training and work.

This service is available to people who live in England.

Skills assessment

Learn more about your skills and match them to potential new careers.

[Assess your skills](#)

Explore careers

Choose from over 800 career profiles to discover what each job involves.

[Search job profiles](#)

Find a course

Look for online learning opportunities and training courses local to you.

[Look for courses](#)

Careers advice

Making career choices

Whether starting your career, changing job or if you have been affected by COVID-19, understand and make the right choice for you.

Getting a job

Be successful in the recruitment process with tips on great CVs, interviews and graduate scheme applications.

Progressing your career

Move up in your career by developing new skills. Find opportunities like volunteering and online learning.

About us

The National Careers Service can help you with your career, learning and training choices. [Find out more](#) about the different ways we can support you.

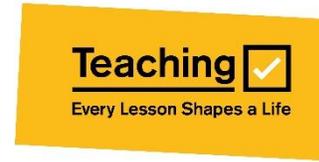
Speak to a careers adviser

Wherever you are in your decision-making, you can call us on [0800 100 900](#) or [use webchat](#).

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- [LinkedIn](#)
- [YouTube](#)

Why not teach Chemistry?



- No two days are the same – and neither are the pupils
- Once qualified you can teach throughout your life
- You could teach abroad
- Progress your career into leadership and management
- Bring your outside interests into the classroom and your subject

Explore teaching

[Daniel's Story](#)

[Jem's Story](#)

[Shaniqua's Story](#)

The right skills to teach?

[Work well in a team?](#)

[Love to nurture imagination?](#)

[Love to keep learning?](#)



What makes a great teacher?

GCSE

While there are different routes you can take to be a teacher there are a few essential things that you will need:

- A minimum GCSE Grade 4 or above in English and Maths (plus Science if you want to teach primary)
- A degree or equivalent qualification

A-Level

A-Levels are 2 years of study

Degree

Complete a degree course

It is possible to get QTS as part of an undergraduate degree, for example:

- Bachelor of Arts (BA) with QTS
- Bachelor of Education (BEd) with QTS
- Bachelor of Science (BSc) with QTS

T level

T levels are nationally recognised, technical qualifications for 16–19-year-olds. Designed by leading employers, one T level is equivalent in size to 3 A-Levels

Level 4/5 qualifications

Complete a L4/5 course and top up to a degree – L4/5 includes Certificate of HE, Diploma of HE, Higher Technical Qualification (HTQ), HNC, HND and Foundation degrees

Top up to a degree (Level 6) in a year of full-time study

Vocational/Technical Qualification

These include BTEC, Applied General Qualifications (AGQ) and Vocational Technical Qualifications (VTQ) – all at Level 3

Apprenticeships

Apprenticeships are jobs which combine practical work and study. Intermediate is Level 2, Advanced is Level 3

Higher apprenticeships

Higher level apprenticeship (foundation degree / Level 5)

Degree apprenticeships

Degree apprenticeship (Level 6-7). There is a Level 6 Teaching apprenticeship programme

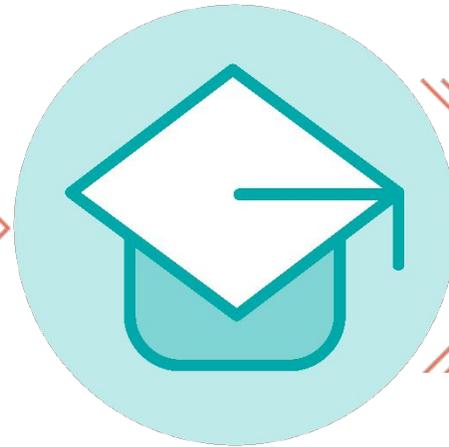
Initial Teacher Training (ITT) with qualified teacher status (QTS)

Teacher

Chemistry pathways



Combine study
and work



Study



Work



Combine study and work

Apprenticeships

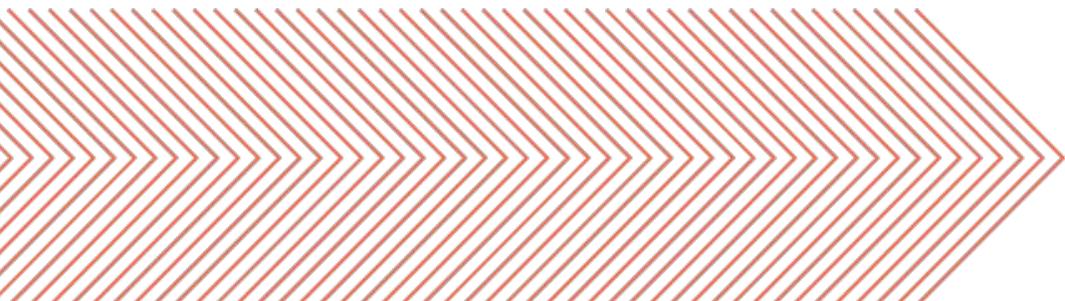
- Metrology Technician
- Laboratory Scientist
- Food Industry Tech Professional
- Forensic Practitioner
- Pharmacologist Technician
- Ecologist
- Laboratory Analyst
- Biochemist
- Chemical Engineering

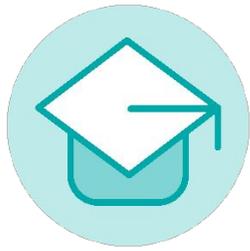
T levels

- Education and Early Years
- Health
- Management and Administration
- Healthcare Science
- Engineering, Manufacturing, Processing and Control
- Agriculture, Land Management and Production

VTQs

- Applied Science
- Chemistry
- Health and Social Care
- NHS Careers





Study pathways

HTQs (Higher Technical Qualifications)

You will find occupation routes in:

- Education and Early Years
- Engineering and Manufacturing
- Health and Science

A levels

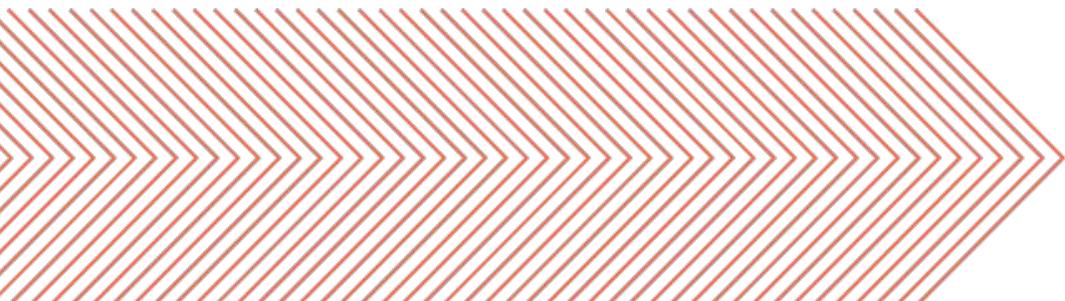
You might find courses in:

- Chemistry
- Applied Science
- Mathematics

Higher education

You might find courses in:

- Chemical Engineering
- Energy Engineering
- Medicinal/Physical Chemistry
- Environmental Chemistry
- Biochemistry
- Ecology
- Forensics
- Dentistry
- Chemical Process and Energy
- Chemistry with a second subject
(management/Industrial placement)





Work pathways

Supported internships with an education, health and care plan

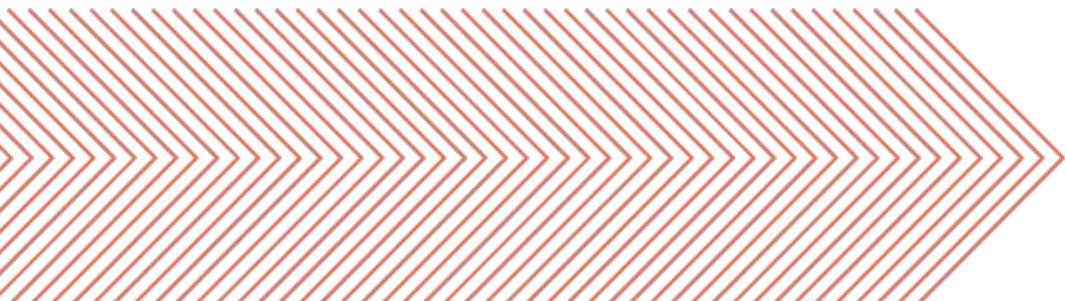
You might read about:

- [Access to Work Funding](#) (if you have a disability or health condition)
- [Preparing for Adulthood](#)

School leaver programmes

You might read about:

- [How to fill in an application form](#)
- [How to write a CV](#)
- [Interview help](#)
- [Progressing your career](#) (Careers Advice from NCS)



University league tables

See at a glance the university ranking for Chemistry

Chemistry Rankings (thecompleteuniversityguide.co.uk)

Filter by:

- Overall score
- Entry standards
- Student satisfaction
- Research quality
- Research intensity
- Graduate prospects



THE CAREERS &
ENTERPRISE
COMPANY