



Science



Science

With an estimated 5.8 million people employed in the Applied Science industry across the UK (that's 20% of the workforce*), there's plenty of opportunity for a career in this sector.

Learning and applying scientific thinking creates critical thinkers and will drive the next generation of innovation and growth.

Principles and concepts combined with skills and real-life applications across a range of scientific disciplines – that's what BTECs in Applied Science are all about. You'll be assessed through practical, task-based and written assessments, which means it's about so much more than just remembering facts and formulae: with a BTEC you're drawing on your knowledge and understanding to apply what you know in realistic situations.

[**Learn more about Science options**](#)

Career options



Food Science
Forensic Science
Laboratory Assistant
Health Science
Industry Technician
Medical Technician
Pharmaceutical Industry

Top 5 skills



1. Organisation
2. Time management
3. Quality of communication
4. Practical skills
5. Analytical skills



CASE STUDY



Rubiya Mahjabin

Studied: BTEC Level 3 Applied Science at College of North East London and Haringey.

Course highlights: The mix of practical experience, engaging chemistry work, and the chance for growth.

Next steps: A levels to extend knowledge, gain extra UCAS points before university, with a goal to qualify as a pharmacist.

Progression map: Applied Science

BTEC

1st First
Nat National

Dip Diploma

HNC Higher National Certificate
HND Higher National Diploma

Apprenticeship

T Level

Academic

GCSE GCSE
AL A Level



* Refer to your funding guide for individual qualification details: <https://www.pearson.com/en-gb/schools/campaigns/i3-review-updates.html#links>

¹ Higher National approved as a Higher Technical Qualification (HTQ). Available in England only. | ² Higher National available in England only.

* In development for first teach September 2027

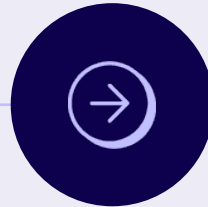


Example Progression Route

Job Role: Laboratory Scientist



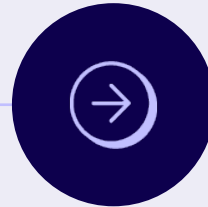
- ♦ GCSE Science



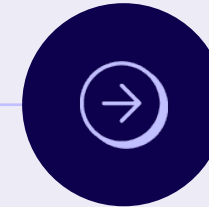
- ♦ Pearson Level 3
Alternative Academic
Qualification BTEC
National in Applied
Science (Extended
Certificate)

OR

- ♦ T Level in Science



- ♦ BTEC Higher National
Certificate in Applied
Science



- ♦ BTEC Higher National
Diploma in Applied
Science



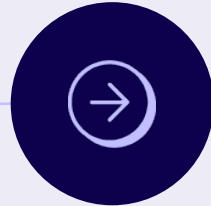


Example Progression Route

Job Role: Development Technician



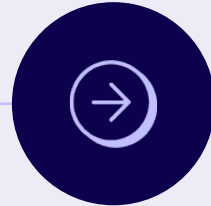
- ♦ GCSE Science



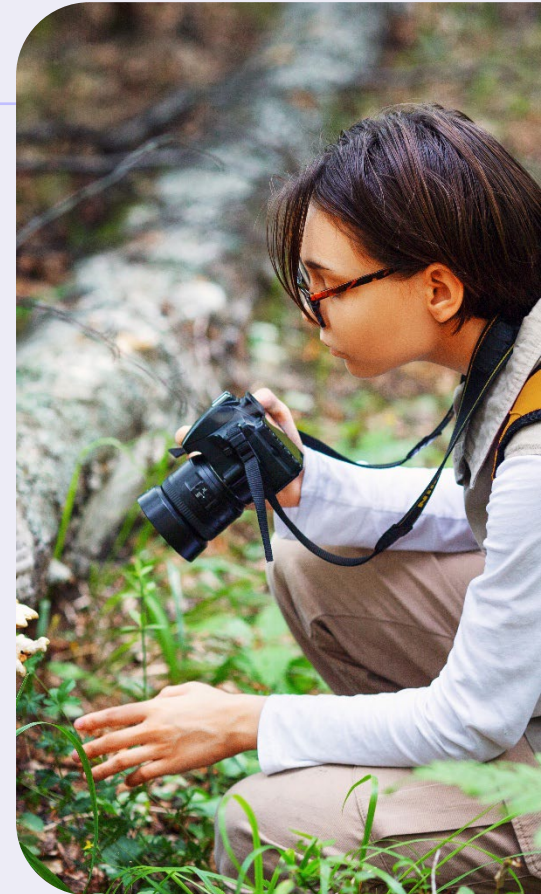
- ♦ Pearson Level 3
Alternative Academic
Qualification BTEC
National in Applied
Science (Extended
Certificate)

OR

- ♦ T Level in Science



- ♦ BSc (Hons) in
Microbiology





Take your next step: Speak to your
local education provider.