

Applied Science Career Pathways

Below are two examples of careers that you could enter after studying Applied Science at A Level.

Forensic science

Forensic scientists apply scientific analysis to criminal and civil investigations, producing evidence that's admissible in a court of law. It's a fascinating and rigorous scientific discipline that will build your knowledge of biology and chemistry, as well as your advanced problem-solving, data interpretation and communication skills. Covering crime scenes, laboratory and courtroom work, forensic science offers a springboard into rewarding careers in the justice system and beyond.

If this is something that interests you study: Level 3 Applied Science with Chemistry and Biology A Levels at UTC Sheffield Olympic Legacy Park.

Pharmacology

Pharmacology is the science of drugs and their effects on living systems. You can find pharmacology present everywhere, in medicine cabinets, when you visit the dentist and when you take any type of medication. Pharmacology is also responsible for painkillers, caffeine drinks and antibiotics. Every medication we take alters the chemistry within our body. The role of pharmacology is to understand why these changes are happening, allowing us to develop better drugs. Pharmacology is crucial for:

- discovering new medicines to help fight diseases
- improving the effectiveness of medicines
- reducing unwanted side effects of medicines
- understanding why individuals differ in the way they respond to certain drugs, and why some others cause addiction

Pharmacology lies at the heart of biomedical science, linking together chemistry, physiology and pathology. Pharmacologists work closely with a wide variety of other disciplines that make up modern biomedical science, including neuroscience, molecular and cell biology, immunology and cancer biology.

If this is something that interests you, study: Level 3 Applied Science and Biology, Chemistry, Physics and/or Maths A Levels at UTC Sheffield Olympic Legacy Park.