T Level Science

T Levels are equivalent to three A Levels. They also attract UCAS points offering graduates the opportunity of moving into a job, an apprenticeship or continuing to further study. T Levels combine classroom theory, practical learning and a 45-day industry placement with an employer to make sure students have real experience of the workplace. They have been developed in collaboration with employers so that the content meets the needs of industry and prepares students for work.

T Levels provide the knowledge and experience needed to open the door to highly skilled employment, an Apprenticeship or higher level study. Around 80% of your time will be spent at college with the remaining 20% being spent at your placement. This differs to an Apprenticeship, which is typically 80% on-the-job and 20% in the classroom.

Experience with a real employer in a real workplace will allow you to apply the skills and knowledge you learn in the classroom to the job, giving you a taste of the world of work you expect once you complete your studies.

Why choose this course?

This course will provide the opportunity to find out more about working within a scientific setting during the 45 day work placement. It will also provide taught time within the college to study a mixture of the sciences: biology, chemistry and physics alongside knowledge of good scientific practice within industry. The course also provides the opportunity to produce an individual project based upon your industrial placement.

What will I learn?

This T Level consists of a core component, an occupational specialism and an industry placement, which will give you valuable vocational insight and prepare you for the world of work.

You will study a number of core and specialist modules to develop your knowledge, understanding and competence including: health and safety legislation, industry regulation, scientific methodology, scientific best practice and operating procedures, a wide range of experimental procedures, data handling and processing, biology (cellular biology, molecular biology, genetics, microbiology, immunology and classification), chemistry (chemical properties, reactions, acids/bases, energy changes, chemical analysis and chemical equations) and physics (electricity, magnetism, waves, nuclear radiation, gases, materials science and thermal physics).

You will also undertake an industry placement with an employer focused on developing your practical and technical skills. You will be guided and supported to develop skills and competence in a variety of real-life applications, including an employer set project.

Where will it take me?

This course is suitable for those interested in a career in science. Future career options could include working as a technical support scientist or as a technician in the science, medical, manufacturing or food industries. This T-level carries UCAS points so can also be used to allow progression to university or higher-level apprenticeships. With further training a wide range of careers are available.

What will I need?

You will need a GCSE at Grade 4 in English (Language or Literature), Maths and two other GCSEs or Level 2 Diploma in an appropriate subject (Merit).