

Title	Level	Typical duration	Maximum funding	Qualifications	Link to Professional Registration	Provider	Delivery	Entry Requirements	Occupational profile
Laboratory Technician	3	18 - 24 month's (1.5 – 2 years).	£21,000	<ul style="list-style-type: none"> Diploma in BTEC Applied Science IOSH Working Safely Certificate Functional Skills in English and Maths (where applicable). 	Registered Science Technician (RSciTech)	Exeter College (Exeter) CSR Scientific Training Limited (Cornwall) Royal Cornwall Hospital, Penventinnie Lane, Truro, TR1 3LQ	Day release during college term times (Exeter) At your location (Cornwall)	English and Mathematics level 2.	Laboratory technicians work in a wide range of organisations, including but not exclusively, chemical, primary and secondary pharmaceutical, biotechnology, formulated products, nuclear companies; and analytical science services. A laboratory technician may carry out both routine and one-off laboratory testing and perform a variety of technical support functions across the organisation. In any context working safety and ethically is paramount and many companies operate under highly regulated conditions because of the need to control the quality and safety of products, for example medicines. Laboratory technicians are expected to work both individually and as part of a laboratory team. They are able to work with minimum supervision, taking responsibility for the quality and accuracy of the work that is undertaken. They are proactive in finding solutions to problems and identifying areas for improving the business.
Technician Scientist	5	36 months (3 years).	£20,000	English and Mathematics level 2. Higher National Diploma or a Foundation Degree in a science or technology discipline relevant to the job role.	Registered Scientist (RSci)	CSR Scientific Training Limited (Exeter) RD&E Hospital, Barrack Road, Exeter, EX2 5DW CSR Scientific Training Limited (Cornwall) Royal Cornwall Hospital, Penventinnie Lane, Truro, TR1 3LQ	Day release during college term times (Exeter) Day release (Truro)	Grade C or above in at least 5 GCSE's, including English, maths and a science subject and hold relevant level 3 qualifications providing the appropriate number of UCAS points for entry to a level 5 HE programme. Other relevant or prior experience may also be considered as an alternative.	A technician scientist carries out established laboratory based investigations and basic scientific experimentation using bench and instrumentation techniques. They use a range of routine skills and some advanced and specialised skills following well established principles associated with their organisation's science and technology, which may typically be within chemical, pharmaceutical, biotechnology, formulated products or analytical services.
Laboratory scientist (degree)	6	60 months (5 years).	£27,000	Bachelor's Degree in a scientific discipline relevant to the job role; Chemistry, Life Sciences, Pharmaceutical Sciences, Microbiology, Genetics	Registered Scientist (RSci)	The Open University	At your location	5 GCSE's at grade C or above, including English, maths and a science subject and hold relevant level 3 qualifications providing the appropriate number of UCAS points for entry to a level 6 Higher Education programme. Other relevant or prior experience may also be considered as an alternative.	A laboratory scientist applies specialist knowledge and broad scientific understanding to carry out a range of technical and scientific activities in their specialist discipline: Chemical Science, Life Sciences, Research & Development, and Analytical. They analyse, interpret and evaluate relevant scientific information, concepts and ideas and use these to develop subsequent experiments or investigations and to propose solutions to problems. They identify areas of business improvement and propose innovative scientific ideas. They perform practical, established and novel laboratory procedures using standard and specialist laboratory equipment and instrumentation. Ensuring uniformity, consistency, reliability, reproducibility, quality, and integrity of scientific tests underpins their work and the working environment. In all contexts working safely and ethically is paramount. Laboratory scientists work autonomously on defined projects under the supervision of a senior scientist and as part of a wider scientific team, which may include laboratory technologist and laboratory technicians. They deliver scientific value to their organisation, whilst contributing to the development of others.

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Animal Technologist	3	24 months (2 years)	£6,000	English and Mathematics level 2. IAT Level 3 Diploma in Laboratory Animal Science and Technology	Institute of Animal Technology as a Member of the IAT (MIAT)	Venture Forward Limited.	At your location	English and Mathematics level 2	<p>Animal technologists are responsible for carrying out complex scientific procedures on laboratory animals in compliance with the Animals (Scientific Procedures) Act 1986 Amendment Regulations 2012 (and other related animal welfare legislation, including the Veterinary Surgeons Act 1966 and the Animal Welfare Act 2006). Organisations employing animal technologists include universities, pharmaceutical companies, contract research organisations and biotechnology research and development organisations.</p> <p>The nature of the work and species that are used will depend on the organisation, some work in very specific fields using only a few species others, for example, the universities, may be multispecies with a wide range of techniques and research fields. This occupation requires a high degree of technical skill and knowledge to ensure that techniques are carried out with a high degree of accuracy and precision, helping to ensure high standards of scientific research and that the welfare of the animals is considered at all times.</p> <p>Animal technologists are required to work with a range of scientific equipment in complex environments. They require a broad knowledge of science, animal anatomy and physiology, technical in-vivo scientific procedures, including aseptic techniques, animal welfare legislation and animal husbandry in order to practice effectively, plus high levels of manual dexterity. They are required to communicate effectively with their team and the wider research community (including researchers, Home Office Inspectors, Named Veterinary Surgeons and the Named Animal Care and Welfare Officers).</p>