



January -
July 2026

Clinical Engineering and Decontamination Courses & Apprenticeships



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www.avensysmedical.co.uk/training

ABOUT AVENSYS TRAINING

Avensys Training, in partnership with the Black Country & Marches Institute of Technology, specialises in delivering Level 2 to Level 4 apprenticeships tailored to clinical engineers and sterile services staff. As the UK's premier training provider for clinical engineering and decontamination, Avensys Training is committed to excellence. We offer accredited training to the NHS and private organisations as well as individuals looking to enhance their expertise through specialised training.

Our purpose-built "Mock Hospital" at the Institute of Technology serves as our training hub, providing a simulated environment for hands-on and theoretical learning. Featuring a simulated theatre, ward, dental practice, and sterile services department, this setting ensures an immersive educational experience.



In Partnership With



SHORT COURSES



WHY ENROL ON A SHORT COURSE?

At Avensys Training, our team of full-time trainers are highly experienced and have undergone formal training in education and teaching techniques. They possess the knowledge and skills necessary to deliver effective, engaging, and structured training sessions that maximise learning outcomes in a supportive and inclusive environment.

We offer a range of City & Guilds Assured and CPD-certified training courses designed to enhance skills and support professional development. These short courses are particularly advantageous for individuals seeking to quickly acquire specific knowledge or advance their careers without committing to long-term programmes.

Short Courses - Clinical Engineering

Anaesthetic Machine Maintenance
Cardiovascular Equipment Maintenance
Electrical Safety Testing
Infusion Device Maintenance
Introduction to Medical Engineering (Includes EST)
Medical Equipment Networking
Medical Equipment Technologies
Patent Hoist Maintenance
Theatre Equipment Maintenance
Patient Beds, Patient Trolleys and Operating Table Maintenance
Medical Equipment Maintenance & Fault Diagnosis Workshop

KEY BENEFITS

- SIMULATED HOSPITAL ENVIRONMENT**
 Our Mock Hospital at the IoT includes simulated theatre, ward, dental surgery, and sterile services department rooms and classrooms.
- THEORETICAL LEARNING**
 All courses have a classroom element where learners are taught the necessary theory before engaging in practical sessions, this includes operating principles, anatomy and physiology.
- PRACTICAL LEARNING**
 Each course includes practical sessions which take place in our 'Mock Hospital'. Learners will be taught how to repair, service and undertake Planned Preventative Maintenance (PPM).
- EXPERT LED**
 With extensive expertise and practical insights, our instructors ensure you receive the highest quality training tailored to the intricacies of the subject matter.
- CAREER ENHANCEMENT**
 Whether you're seeking to enhance your current role or transition into a new career path, our courses provide the knowledge and expertise you need to succeed.

Short Courses - Decontamination

Fundamentals of Decontamination within a SSD Environment
Operators - Large Porous Load Sterilisers
Weekly testing of Benchtop Steam Sterilisers
Weekly testing of Washer Disinfectors
Weekly testing of Large Porous Load Sterilisers
Periodic testing of Benchtop Sterilisers
Periodic testing of Large Porous Load Sterilisers
Periodic testing of Washer Disinfectors

APPRENTICESHIPS

WHY EMPLOY/BECOME AN APPRENTICE?

Like many industries clinical engineering has an ageing workforce. Apprenticeships are a government funded initiative to develop and nurture talent as part of succession planning. Developing the skills of hospital staff involved in clinical engineering can result in improved efficiency, greater flexibility, fewer errors and lower costs.

Contrary to popular belief, there is no age limit on being an Apprentice and the formal recognition of skills is an excellent way in which to manage career progression and develop a specific skill set in medical engineering.

FUTURE PROOF YOUR DEPARTMENT

There is currently a skills gap in medical engineering in the UK that has made it more difficult to recruit medical engineers. Apprenticeships provide an alternative solution to your recruitment problems by allowing you to recruit promising talent and develop them into the medical engineers of the future.

OUR DELIVERY PARTNERS

Avensys apprenticeships are delivered in partnership with the Black Country and Marches Institute of Technology and Dudley College of Technology. This partnership ensures Apprentices get the best of both worlds; tuition from Avensys' medical experts combined with the experience of Dudley College of Technology in delivering apprenticeship courses.

The Black Country and Marches is the only Institute of Technology in the UK which offers training for Sterile Services and clinical engineering. Apprentices will further benefit from this strategic partnership as they will have access to a world class training facility.



KEY BENEFITS



TAILORED UNITS TO MEET INDIVIDUALS NEEDS

We work with you to select the most appropriate units and pathway relevant to your role within the healthcare sector.



DEDICATED ASSESSOR

Each Apprentice is assigned to an Assessor who will be your point of contact with Avensys. The Assessor will liaise with both the Apprentice and their line manager. Your Assessor is responsible for answering queries, handling complaints, managing training and assessing the progress of your Apprentices. Virtual Assessor meetings are held every 6-8 weeks.



UPSKILL EXISTING ENGINEERS

Apprentices don't have to be new recruits. You could enrol one of your current employees onto a higher apprenticeship so they can benefit from training and gain qualifications. Investing in your employees has been proven to improve staff retention.



UNDERSTAND THE THEORY

By tailoring the units to individuals it provides learners with a deeper understanding of the topic and enables them to see how their work directly affects patient health.



EMPLOYEE INVESTMENT IMPROVES RETENTION

Investing in your workforce has been proven to improve staff retention. There are three apprenticeship levels providing your staff with an excellent career pathway.

Healthcare Science Assistant

Four pathways to choose from:
Clinical Engineering /
Decontamination /
Cardio-Respiratory / General

Level 2 14 months

Healthcare Engineering Specialist Technician Apprenticeship

Level 3 36 months

Healthcare Science Associate

Two pathways to choose from:
Clinical Engineering /
Decontamination & Sterilisation

Level 4 24 months

Training Courses

January 2026 to July 2026

Course	Code	Duration*	Cost+	Jan	Feb	Mar	Apr	May	June	July
Anaesthetic Machine Maintenance	AMM	4 days	£1,610			16 - 19		26 - 29		
Cardiovascular Equipment Maintenance	CAR	3 days	£950			3 - 5			16 - 18	
Electrical Safety Testing	EST	1 day	£395	15		2		11	22	
Infusion Device Maintenance	IDM	3 days	£950	6 - 8			14 - 16			14 - 16
Introduction to Medical Engineering (Includes EST)	IME	3 days	£950		17 - 19	10 - 12		19 - 21		21 - 23
Medical Equipment Networking	MEN	3 days	£950		24 - 26		28 - 30			7 - 9
Medical Equipment Technologies	MET	10 days	£3,200	19 - 30			23 - 3		1 - 12	
Patient Hoist Maintenance	PHM	1 day	£395	16			7		25	
Theatre Equipment Maintenance	TEM	3 days	£950		4 - 6			5 - 7		
Patient Beds, Patient Trolleys and Operating Table Maintenance	BTOM	4 days	£1,610		9 - 12		20 - 23			
Medical Equipment Maintenance & Fault Diagnosis Workshop	MFD	4 days	£1,200	Contact the team to discuss dates training@avensysmedical.co.uk						

All courses include lunchtime meal

Healthcare Science Assistant Four pathways to choose from

Level 2 14 months

This fourteen month long programme is available in four pathways: Clinical Engineering, Decontamination Science, Cardio-Respiratory & General. Apprentices will earn a Pearson BTEC Level 2 Diploma. For more information on each pathway please scan the QR code.

Scan the QR code for more information about our level 2 apprenticeship pathways



Healthcare Engineering Specialist Technician Apprenticeship

Level 3 36 months

This three year long apprenticeship is designed to be undertaken by pre-existing or new employees working in the field of clinical engineering. This apprenticeship is most suitable for those who work in a clinical engineering department within an acute hospital.

Scan the QR code for more information about our level 3 apprenticeship



Healthcare Science Associate Two pathways to choose from

Level 4 24 months

This two-year long programme is available in two pathways: Clinical Engineering & Decontamination and Sterilisation. Apprentices will earn a Pearson BTEC Level 4 Diploma as part of their apprenticeship, an industry recognised qualification. For more information on each pathway please scan the QR code.

Scan the QR code for more information about our level 4 apprenticeship pathways



* Accommodation package including breakfast and dinner available for an additional cost
† Prices are exclusive of VAT
Dates and costs are subject to change, please refer to www.avensysmedical.co.uk/training for latest information.