

Calibration and Supervision of Maintenance of Equipment in Biomedicine

Düsseldorf (Germany)

2 - 6 March 2026

UK Traininig

PARTNER



Calibration and Supervision of Maintenance of Equipment in Biomedicine

Code: HM28 From: 2 - 6 March 2026 City: Düsseldorf (Germany) Fees: 4900 Pound

Introduction

This comprehensive Biomedical Equipment Calibration and Maintenance course is designed to equip participants with the essential skills and knowledge required for ensuring the accuracy, reliability, and safety of medical equipment. Participants will gain hands-on experience in calibration, preventive maintenance, troubleshooting, and supervisory techniques to manage maintenance teams effectively.

The program covers the definition of calibration, its importance in biomedical equipment maintenance, and the requirements of biomedicine to ensure compliance with industry standards. Attendees will also explore best practices for equipment maintenance services and the role of biomedical equipment maintenance technicians in healthcare settings.

Course Objectives

By the end of this course, participants will:

- Understand calibration's meaning and its role in biomedical equipment maintenance.
- Apply equipment calibration techniques to ensure device accuracy and reliability.
- Develop structured schedules for preventive maintenance of equipment.
- Supervise maintenance teams and ensure compliance with industry regulations.
- Diagnose and repair common issues in medical equipment maintenance and repair.
- Maintain proper documentation of calibration and maintenance activities.

Course Outlines

Day 1: Introduction to Biomedical Equipment and Calibration

- Overview of biomedical equipment maintenance in healthcare.
- The importance of calibration in ensuring equipment accuracy and safety.
- Understanding what is calibration and measurement standards.
- Introduction to calibration instruments and techniques.



- Review of industry regulations and compliance standards.

Day 2: Preventive Maintenance Strategies

- Developing an effective preventive maintenance program.
- Identifying common equipment maintenance issues and root causes.
- Creating structured maintenance schedules and checklists.
- Understanding factors that impact equipment maintenance services.
- Case studies on successful biomedical equipment maintenance programs.

Day 3: Supervisory Skills in Biomedical Equipment Maintenance

- Roles and responsibilities of a supervision maintenance professional.
- Training and managing biomedical equipment maintenance technicians.
- Ensuring compliance with safety and quality protocols.
- Effective communication and collaboration in biomedical equipment management.
- Monitoring team performance and generating reports.

Day 4: Troubleshooting and Repair Techniques

- Common troubleshooting techniques for biomedical equipment maintenance.
- Fault diagnosis and medical equipment maintenance and repair procedures.
- Performing post-repair calibration adjustments.
- Hands-on troubleshooting exercises with specific equipment.
- Emergency maintenance strategies and risk management.

Day 5: Documentation and Compliance

- Best practices for recording calibration and maintenance activities.
- Compliance with national and international biomedicine requirements.
- Utilizing electronic record-keeping for biomedical equipment maintenance.

- Auditing and reviewing equipment maintenance documentation.
- Final assessment and certification review.

Why Attend this Course? Wins & Losses!

- Gain expertise in what is biomedicine and its role in biomedical equipment maintenance.
- Learn industry best practices in supervision maintenance and compliance.
- Master calibration techniques to ensure equipment functionality.
- Develop leadership skills for biomedical equipment maintenance technicians.
- Acquire hands-on training in equipment maintenance services.
- Get insights into advanced biomedicine and emerging healthcare technologies.

Conclusion

A well-structured biomedical equipment maintenance program is essential for ensuring the efficiency and safety of medical devices in healthcare environments. This course provides participants with the technical expertise required for calibration, troubleshooting, and supervision maintenance, aligning with international best practices.

Join this course to advance your knowledge in biomedical equipment maintenance and become a certified expert in the field!



Blackbird Training Cities

Europe



Malaga (Spain)



Sarajevo (Bosnia and Herzegovina)



Oporto (Portugal)



Glasgow (Scotland)



Edinburgh (UK)



Oslo (Norway)



Annecy (France)



Bordeaux (France)



Copenhagen (Denmark)



Birmingham (UK)



Lyon (France)



Moscow (Russia)



Stockholm (Sweden)



Podgorica (Montenegro)



Batumi (Georgia)



Salzburg (Austria)



Florence (Italy)



London (UK)



Istanbul (Turkey)



Amsterdam



Düsseldorf (Germany)



Paris (France)



Athens (Greece)



Barcelona (Spain)



Munich (Germany)



Geneva (Switzerland)



Prague (Czech)



Vienna (Austria)



Rome (Italy)



Brussels (Belgium)



Madrid (Spain)



Berlin (Germany)



Lisbon (Portugal)



Zurich (Switzerland)



Manchester (UK)



Milan (Italy)



Blackbird Training Cities

USA & Canada



Los Angeles (USA)



Orlando, Florida (USA)



Online



Phoenix, Arizona (USA)



Houston, Texas (USA)



Boston, MA (USA)



Washington (USA)



Miami, Florida (USA)



New York City (USA)



Seattle, Washington (USA)



Washington DC (USA)



In House



Jersey, New Jersey (USA)



Toronto (Canada)

ASIA



Baku (Azerbaijan)
(Thailand)



Maldives (Maldives)



Doha (Qatar)



Manila (Philippines)



Bali (Indonesia)



Bangkok



Beijing (China)



Singapore (Singapore)



Sydney



Tokyo (Japan)



Jeddah (KSA)



Riyadh (KSA)



Melbourne (Australia)
(Kuwait)



Phuket (Thailand)



Shanghai (China)



Dubai (UAE)



Kuala Lumpur (Malaysia)



Kuwait City



Seoul (South Korea)



Pulau Ujong (Singapore)



Irbid (Jordan)



Jakarta (Indonesia)



Amman (Jordan)



Beirut



Blackbird Training Cities

AFRICA



Kigali (Rwanda)



Cape Town (South Africa)



Accra (Ghana)



Lagos (Nigeria)



Marrakesh (Morocco)



Nairobi (Kenya)



Zanzibar (Tanzania)



Tangier (Morocco)



Cairo (Egypt)



Sharm El-Sheikh (Egypt)



Casablanca (Morocco)



Tunis (Tunisia)



Blackbird Training Clients



MANNAI Trading
Company WLL,
Qatar



Alumina Corporation
Guinea



Booking.com
Netherlands



Oxfam GB International
Organization,
Yemen



Capital Markets
Authority,
Kuwait



Waltersmith Petroman Oil Limited
Nigeria



Qatar National Bank
(QNB),
Qatar



Qatar Foundation,
Qatar



AFRICAN UNION ADVISORY
BOARD ON CORRUPTION,
Tanzania



KFAS
Kuwait



Reserve Bank of
Malawi,
Malawi



Central Bank of Nigeria
Nigeria



Ministry of Interior
Kingdom of Saudi Arabia
KSA



Mabruk Oil Company
Libya



Saudi Electricity
Company,
KSA



BADAN PENGELOLA
KEUANGAN Haji,
Indonesia



NATO
Italy



ENI CORPORATE
UNIVERSITY,
Italy



Gulf Bank
Kuwait



General Organization for
Social Insurance
KSA



Defence Space Administration
Nigeria



National Industries
Group (Holding),
Kuwait



Hamad Medical
Corporation,
Qatar



USAID
Pakistan



STC Solutions,
KSA



North Oil company,



EKO Electricity



Oman Broadband



UNITED NATIONS
UN.



Authority for

UK Training
PARTNER



Blackbird Training Categories

Management & Admin

Entertainment & Leisure
Professional Skills
Finance, Accounting, Budgeting
Media & Public Relations
Project Management
Human Resources
Audit & Quality Assurance
Marketing, Sales, Customer Service
Secretary & Admin
Supply Chain & Logistics
Management & Leadership
Agile and Elevation

Technical Courses

Artificial Intelligence (AI)
Hospital Management
Public Sector
Special Workshops
Oil & Gas Engineering
Telecom Engineering
IT & IT Engineering
Health & Safety
Law and Contract Management
Customs & Safety
Aviation
C-Suite Training



 International House 185 Tower Bridge
Road London SE1 2UF United Kingdom

 +44 7401 1773 35
+44 7480 775526

 Sales@blackbird-training.com

 www.blackbird-training.com

