Hospital Facilities Management and Safety Standards Training Course



23 - 27 Nov 2026

Cairo

3700 € (Per Person)

Ref: #HOS8123_277160

Course Introduction / Overview:

Managing a modern hospital facility is an exceptionally complex task, demanding a delicate balance between operational efficiency, patient safety, and stringent regulatory compliance. This course provides a comprehensive framework for mastering the multifaceted challenges of hospital facility management and safety standards. It moves beyond basic maintenance to instill a deep understanding of how physical environments directly impact clinical outcomes and organizational reputation. Drawing on principles outlined by leading experts like David M. Sine in works such as "The Healthcare Safety Professional's Handbook," this program explores the integration of safety protocols into every aspect of facility operation. Participants will learn to navigate the intricate web of regulations, including JCI and NFPA standards, ensuring their facilities are not only compliant but also optimized for the highest levels of patient care and staff well-being. BIG BEN Training Center has designed this curriculum to empower professionals with the strategic foresight and practical skills needed to lead in this critical field, transforming their facilities into models of safety and excellence. This training is an essential investment for creating a proactive culture of safety and achieving sustainable operational success in the demanding healthcare sector.

Target Audience / This training course is suitable for:

- Hospital Facility Managers.
- Healthcare Administrators and Directors.
- Safety Officers and Managers.
- Compliance and Quality Assurance Professionals.
- Biomedical and Clinical Engineers.
- Hospital Operations Managers.
- Risk Management Specialists.
- Maintenance and Engineering Supervisors.
- Environmental Services Managers.
- Project Managers involved in healthcare construction.

Target Sectors and Industries:

- Hospitals and Medical Centers.
- Specialized Clinics and Outpatient Facilities.
- Long-Term Care and Rehabilitation Centers.
- Ambulatory Surgery Centers.
- Psychiatric and Mental Health Facilities.
- Governmental Health Ministries and Regulatory Agencies.
- Private Healthcare Groups and Networks.
- Medical Laboratory Facilities.

Target Organizations Departments:

- Facilities Management and Engineering.
- Operations and Administration.
- Safety, Health, and Environment (HSE).
- Compliance and Regulatory Affairs.
- Quality Improvement and Patient Safety.
- Biomedical Engineering.
- Security and Emergency Management.
- Infection Prevention and Control.
- Procurement and Asset Management.
- Capital Projects and Planning.

Course Offerings:

By the end of this course, the participants will have able to:

- Develop a robust framework for managing hospital facilities in line with international safety standards.
- Implement comprehensive compliance programs that meet JCI, NFPA, and local regulatory requirements.
- Master the principles of infection prevention and control within the hospital environment.
- Conduct thorough risk assessments to identify and mitigate potential hazards in healthcare settings.
- Manage the lifecycle of critical medical equipment, from procurement to disposal.
- Design and execute effective emergency preparedness and disaster response plans.
- Optimize the performance of critical building systems, including HVAC, medical gas, and power supply.
- Foster a proactive culture of safety among all staff, clinicians, and contractors.
- Utilize data to drive continuous improvement in facility performance and patient safety outcomes.
- Manage healthcare-specific waste streams safely and in compliance with environmental regulations.

Course Methodology:

This training course from BIG BEN Training Center employs a dynamic and interactive learning methodology designed for maximum knowledge retention and practical application. The approach is centered on adult learning principles, recognizing that participants bring valuable experience to the sessions. The methodology blends expert-led presentations on core concepts with highly interactive group discussions, allowing for the exchange of ideas and best practices among peers. A significant portion of the training is dedicated to analyzing real-world case studies of hospital facility management successes and failures, enabling participants to learn from tangible examples. Practical workshops and simulation exercises will challenge attendees to apply their knowledge to solve complex problems, such as developing a fire safety plan or conducting a mock compliance audit. Team-based activities encourage collaborative problem-solving and mirror the cross-departmental cooperation required in a real hospital setting. Continuous feedback is provided by the instructor to guide learning and ensure that all participants can confidently apply the acquired skills and strategies within their own organizations upon completion of the course.

Course Agenda (Course Units):

Unit One: Foundations of Modern Hospital Facility Management

- Introduction to healthcare facility management.
- The role of the facility manager in patient safety.
- Key stakeholders and interdepartmental collaboration.
- Understanding the healthcare regulatory landscape.
- Core principles of asset and maintenance management.
- Budgeting and financial planning for hospital facilities.
- Introduction to building information modeling (BIM) in healthcare.

Unit Two: Mastering Safety Standards and Regulatory Compliance

- Deep dive into Joint Commission International (JCI) standards.
- Understanding National Fire Protection Association (NFPA) codes, including the Life Safety Code.
- Infection prevention and control strategies for facilities.
- Hazardous materials and waste management protocols.
- Ensuring patient safety through environmental design.
- Developing and managing a compliance documentation system.
- Preparing for and managing regulatory surveys and audits.

Unit Three: Management of Critical Hospital Infrastructure

- Heating, Ventilation, and Air Conditioning (HVAC) systems in healthcare.
- Medical gas and vacuum system management and safety.
- Reliable electrical power and emergency power supply systems (EPSS).
- Water management programs and Legionella prevention.
- Vertical transportation systems (elevators) maintenance and safety.
- Building envelope and structural integrity management.
- Fire detection, alarm, and suppression systems.

Unit Four: Medical Technology and Equipment Management

- The role of clinical and biomedical engineering.
- Developing a medical equipment management plan.
- Strategies for preventive and corrective maintenance.
- Medical equipment lifecycle and replacement planning.
- Technology integration and interoperability challenges.
- Cybersecurity for networked medical devices.
- Ensuring staff competency in equipment use and safety.

Unit Five: Advanced Risk Management and Emergency Preparedness

- Conducting a comprehensive Hazard Vulnerability Analysis (HVA).
- Developing a robust Emergency Operations Plan (EOP).
- Strategies for managing internal and external disasters.
- Hospital security, access control, and workplace violence prevention.
- Incident reporting, root cause analysis, and corrective actions.
- Implementing a continuous improvement framework for safety.
- Future trends in healthcare facility management and technology.

FAQ:

Qualifications required for registering to this course?

There are no requirements.

How long is each daily session, and what is the total number of training hours for the course?

This training course spans five days, with daily sessions ranging between 4 to 5 hours, including breaks and interactive activities, bringing the total duration to 20 - 25 training hours.

Something to think about:

How can hospital facility managers balance the immediate costs of advanced safety system upgrades with the long-term, often unquantifiable, benefits of enhanced patient and staff safety?

What unique qualities does this course offer compared to other courses?

This course distinguishes itself by offering a holistic and integrated perspective that intrinsically links facility management with clinical outcomes and patient safety. Unlike programs that treat facility operations and safety compliance as separate disciplines, this curriculum is built on the principle that the physical environment is a critical component of patient care. We move beyond theoretical checklists to focus on the practical application of standards through immersive case studies drawn from real-world hospital scenarios, exploring both compliance successes and instructive failures. The training emphasizes the development of strategic thinking and leadership skills, empowering participants to not just manage a facility, but to champion a culture of safety that permeates the entire organization. Furthermore, the course content is meticulously updated to reflect the latest regulatory changes, technological advancements in medical and building systems, and emerging risks such as cybersecurity for medical devices. The interactive methodology ensures that participants learn not only from the expert instructor but also from the diverse experiences of their peers, creating a rich, collaborative learning environment that fosters practical solutions to complex challenges.

Course Introduction / Overview:

Managing a modern hospital facility is an exceptionally complex task, demanding a delicate balance between operational efficiency, patient safety, and stringent regulatory compliance. This course provides a comprehensive framework for mastering the multifaceted challenges of hospital facility management and safety standards. It moves beyond basic maintenance to instill a deep understanding of how physical environments directly impact clinical outcomes and organizational reputation. Drawing on principles outlined by leading experts like David M. Sine in works such as "The Healthcare Safety Professional's Handbook," this program explores the integration of safety protocols into every aspect of facility operation. Participants will learn to navigate the intricate web of regulations, including JCI and NFPA standards, ensuring their facilities are not only compliant but also optimized for the highest levels of patient care and staff well-being. BIG BEN Training Center has designed this curriculum to empower professionals with the strategic foresight and practical skills needed to lead in this critical field, transforming their facilities into models of safety and excellence. This training is an essential investment for creating a proactive culture of safety and achieving sustainable operational success in the demanding healthcare sector.

Target Audience / This training course is suitable for:

- Hospital Facility Managers.
- Healthcare Administrators and Directors.
- Safety Officers and Managers.
- Compliance and Quality Assurance Professionals.
- Biomedical and Clinical Engineers.
- Hospital Operations Managers.
- Risk Management Specialists.
- Maintenance and Engineering Supervisors.
- Environmental Services Managers.
- Project Managers involved in healthcare construction.

Target Sectors and Industries:

- Hospitals and Medical Centers.
- Specialized Clinics and Outpatient Facilities.
- Long-Term Care and Rehabilitation Centers.
- Ambulatory Surgery Centers.
- Psychiatric and Mental Health Facilities.
- Governmental Health Ministries and Regulatory Agencies.
- Private Healthcare Groups and Networks.
- Medical Laboratory Facilities.

Target Organizations Departments:

- Facilities Management and Engineering.
- Operations and Administration.
- Safety, Health, and Environment (HSE).
- Compliance and Regulatory Affairs.
- Quality Improvement and Patient Safety.
- Biomedical Engineering.
- Security and Emergency Management.
- Infection Prevention and Control.
- Procurement and Asset Management.
- Capital Projects and Planning.

Course Offerings:

By the end of this course, the participants will have able to:

- Develop a robust framework for managing hospital facilities in line with international safety standards.
- Implement comprehensive compliance programs that meet JCI, NFPA, and local regulatory requirements.
- Master the principles of infection prevention and control within the hospital environment.
- Conduct thorough risk assessments to identify and mitigate potential hazards in healthcare settings.
- Manage the lifecycle of critical medical equipment, from procurement to disposal.
- Design and execute effective emergency preparedness and disaster response plans.
- Optimize the performance of critical building systems, including HVAC, medical gas, and power supply.
- Foster a proactive culture of safety among all staff, clinicians, and contractors.
- Utilize data to drive continuous improvement in facility performance and patient safety outcomes.
- Manage healthcare-specific waste streams safely and in compliance with environmental regulations.

Course Methodology:

This training course from BIG BEN Training Center employs a dynamic and interactive learning methodology designed for maximum knowledge retention and practical application. The approach is centered on adult learning principles, recognizing that participants bring valuable experience to the sessions. The methodology blends expert-led presentations on core concepts with highly interactive group discussions, allowing for the exchange of ideas and best practices among peers. A significant portion of the training is dedicated to analyzing real-world case studies of hospital facility management successes and failures, enabling participants to learn from tangible examples. Practical workshops and simulation exercises will challenge attendees to apply their knowledge to solve complex problems, such as developing a fire safety plan or conducting a mock compliance audit. Team-based activities encourage collaborative problem-solving and mirror the cross-departmental cooperation required in a real hospital setting. Continuous feedback is provided by the instructor to guide learning and ensure that all participants can confidently apply the acquired skills and strategies within their own organizations upon completion of the course.

Course Agenda (Course Units):

Unit One: Foundations of Modern Hospital Facility Management

- Introduction to healthcare facility management.
- The role of the facility manager in patient safety.
- Key stakeholders and interdepartmental collaboration.
- Understanding the healthcare regulatory landscape.
- Core principles of asset and maintenance management.
- Budgeting and financial planning for hospital facilities.
- Introduction to building information modeling (BIM) in healthcare.

Unit Two: Mastering Safety Standards and Regulatory Compliance

- Deep dive into Joint Commission International (JCI) standards.
- Understanding National Fire Protection Association (NFPA) codes, including the Life Safety Code.
- Infection prevention and control strategies for facilities.
- Hazardous materials and waste management protocols.
- Ensuring patient safety through environmental design.
- Developing and managing a compliance documentation system.
- Preparing for and managing regulatory surveys and audits.

Unit Three: Management of Critical Hospital Infrastructure

- Heating, Ventilation, and Air Conditioning (HVAC) systems in healthcare.
- Medical gas and vacuum system management and safety.
- Reliable electrical power and emergency power supply systems (EPSS).
- Water management programs and Legionella prevention.
- Vertical transportation systems (elevators) maintenance and safety.
- Building envelope and structural integrity management.
- Fire detection, alarm, and suppression systems.

Unit Four: Medical Technology and Equipment Management

- The role of clinical and biomedical engineering.
- Developing a medical equipment management plan.
- Strategies for preventive and corrective maintenance.
- Medical equipment lifecycle and replacement planning.
- Technology integration and interoperability challenges.
- Cybersecurity for networked medical devices.
- Ensuring staff competency in equipment use and safety.

Unit Five: Advanced Risk Management and Emergency Preparedness

- Conducting a comprehensive Hazard Vulnerability Analysis (HVA).
- Developing a robust Emergency Operations Plan (EOP).
- Strategies for managing internal and external disasters.
- Hospital security, access control, and workplace violence prevention.
- Incident reporting, root cause analysis, and corrective actions.
- Implementing a continuous improvement framework for safety.
- Future trends in healthcare facility management and technology.

FAQ:

Qualifications required for registering to this course?

There are no requirements.

How long is each daily session, and what is the total number of training hours for the course?

This training course spans five days, with daily sessions ranging between 4 to 5 hours, including breaks and interactive activities, bringing the total duration to 20 - 25 training hours.

Something to think about:

How can hospital facility managers balance the immediate costs of advanced safety system upgrades with the long-term, often unquantifiable, benefits of enhanced patient and staff safety?

What unique qualities does this course offer compared to other courses?

This course distinguishes itself by offering a holistic and integrated perspective that intrinsically links facility management with clinical outcomes and patient safety. Unlike programs that treat facility operations and safety compliance as separate disciplines, this curriculum is built on the principle that the physical environment is a critical component of patient care. We move beyond theoretical checklists to focus on the practical application of standards through immersive case studies drawn from real-world hospital scenarios, exploring both compliance successes and instructive failures. The training emphasizes the development of strategic thinking and leadership skills, empowering participants to not just manage a facility, but to champion a culture of safety that permeates the entire organization. Furthermore, the course content is meticulously updated to reflect the latest regulatory changes, technological advancements in medical and building systems, and emerging risks such as cybersecurity for medical devices. The interactive methodology ensures that participants learn not only from the expert instructor but also from the diverse experiences of their peers, creating a rich, collaborative learning environment that fosters practical solutions to complex challenges.