

Certification and Its Importance in Hospital Engineering

James O. Wear PhD, CCE, CHSP,
FASHE

Certification

- What does it mean?
- Is it a license?

What do you think?

Is certification of Biomedical Engineering Technicians, Clinical Engineers and Hospital Engineers of any value?

Types of Certification

- CBET – Certified Biomedical Engineering Technician
- CCE – Certified Clinical Engineer
- CHFMM – Certified Healthcare Facility Manager
- CHSP – Certified Healthcare Safety Professional
- CIH – Certified Industrial Hygienist

Competency

- What is competency?
- Why competency?
- Accreditation ???

Why CBET Certification?

- Electronic Technicians
- No Curriculum Control

CBET Requirements

- Education
- Experience
- Written Exam

Why CCE Certification?

- No Clinical Engineering Degree
- Various Engineering Specialties

CCE Requirements

- Education
- Experience
- Written Exam
- Oral Exam

Why CHFM Certification?

- No degree requirements
- Different degrees
- Some without degrees

CHFM Requirements

- Education
- Experience
- Written Exam

Re-certification

- Continuing Education Requirements
 - So many hours or points in the field
- Experience
- No Exam Requirements

Impact of Engineering

- Infrastructure
 - Construction
 - Space
 - Utilities
 - HVAC – Infection Control
 - Maintenance

Impact of Engineering

- Medical Equipment
 - Selection
 - Maintenance – In-house/Contracts
- Patient Safety
- Quality of Care

Departments Impacted

- Quality Assurance/Risk Management
- Fiscal
- Procurement
- Telehealth – Home Health
- Clinical
 - Imaging
 - Clinical Lab
 - Medicine
 - Surgery

Can your medical center survive
without the services of competent
Hospital Engineers, Clinical Engineers
and Biomedical Engineering
Technicians?