Advancing Data Center and IT Infrastructure Professionals

AFCOM

EDUCATIONAL PARTNER

CE 6000:

Critical Environments Engineer (CEE)

eLearning Self-Study
3-day Private Course
Live Online w/Instructor

Critical Environments Professional Development Program

Resilience.
Education.
Credentialing.

ICOR

The International Consortium For Organizational Resilience

Critical Environments Engineer (CEE)

Audience: Those responsible for the operation and maintenance of all electrical, mechanical, and HVAC equipment including vendor selection and contract negotiations

The focus is of CE 6000 is on aspects of engineering mission-critical environments. It begins with best practices in project management of mechanical and electrical engineering projects along with taking a deep look into managing system inter-relationships.

This course includes an in-depth study of system designs , understanding the outage window, and how to perform an evaluation of the engineering program. In addition to discussing the importance of understanding vendor requirements and contractual obligations, CE 6000 also provides options for creating a comprehensive training program, and identifying individual abilities to drive to level engineering practices.

8 Lessons / Competency Areas

6000.1 Managing CE Projects

1. Project management
2. Capital funding & end of life analysis
3. Quality controls
4. Self-auditing / assessment

6000.2 System Design Integrations and Concerns

1. Understanding infrastructure design concerns
2. Mechanical & electrical system engineering
3. Controls system and logic
4. Evaluating impacts / risks

6000.3 Outage Window Concerns

1. Understanding outage windows and frequencies
2. Methods for enforcing outage windows
3. Actions performed during an outage window
4. Missing outage windows

6000.4 Evaluating the CE

1. Addressing gaps in the engineering program
2. Aspects and resources for vetting
3. Tools for tracking
4. Scheduling

6000.5 Training Programs

1. Goals and objectives of training programs
2. Identifying gaps and evaluating effectiveness
3. Internal and external training programs
4. Measuring and reporting programs

6000.6 Vendor Requirements & Contractual Obligations

1. Understanding terminology
2. Evaluating vendor capabilities
3. Vetting vendors
4. Writing a scope of work

6000.7 Mechanical & Electrical Engineering

1. Understanding mechanical engineering in the CE
2. Understanding electrical engineering in the CE
3. Evaluating internal vs external solutions
4. Reporting requirements

6000.8 Engineering Practices

1. Common points for engineers
2. Understanding historical experiences
3. Articulating effective solutions
4. Case studies for learning

Credentials

The Critical Environments Engineer (CEE) certification exam is included in the course registration fee. The CEE certification exam can also be challenged online without taking a class.

Exams are a combination of multiple choice and practical-based problem solving.

Engineering Mission-Critical Environments

Aligning Mission-Critical Environments Education & Credentialing Programs to the Workplace

Recognized globally for its vendor-neutral, standards-based education programs, ICOR's certification competency areas align to specific jobs or job areas in the critical environment workplace.

ICOR courses meet your learning style. Take the full course or individual competency areas. Learn from an instructor or on your own via eLearning or self-study course books. Interactive activity-based curriculum.

Build-Resilience.org I TheICOR.org
info@theicor.org I +1630.705.0910 Int'l
1.866.765.8321 Toll Free North America