



US Army Corps  
of Engineers®

# ENGINEERING AND CONSTRUCTION BULLETIN

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**Subject: ASHE Healthcare Construction Certificate Program**

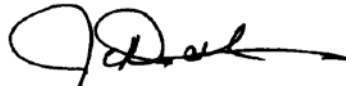
**Applicability:** Information

1. This ECB provides information for MSCs and Districts on the American Society of Healthcare Engineering (ASHE) programs. ASHE provides several programs for architects, designers, program managers, and construction managers that will enhance their medical facility design and construction knowledge.
2. The *Healthcare Construction Certificate* (HCC) Program, as further described in Attachment 1, is designed to prepare those who are involved in the planning, design and construction of health care facilities with the information and resources to work in the health care environment. The HCC course focuses on topics and situations that are unique to health care facilities and those factors that differentiate health care construction and renovation from other types of projects. This program consists of an on-line introduction followed by a two-day seminar.
3. The ASHE *Healthcare Construction Project Management Program* (HCPM), with intended audience including Healthcare Construction Project Managers, Architects and Design Engineers, provides knowledge from functional programming through occupancy and project closeout.
4. The ASHE *Managing Life Safety* resource is a self-paced program that provides information of the requirements of the *Life Safety Code*® and resources to manage a facility's life safety program. This is an on-line learning tool. The ASHE web site includes a video that provides more detail about this program.
5. The ASHE web-link, which provides more specific information on programs, schedules and cost, is: <http://www.ashe.org/learn>
6. In addition to the short courses or programs mentioned above, ASHE also offers a professional certification program for those that complete all requirements to become a *Certified Healthcare Constructor* (CHC). This certification program includes three components: a) Education and experience; b) A 115-item multiple-choice Certification Examination; and c) A renewal requirement. Additional information on this certification program is at web-link: <http://www.ashe.org/about/certifications/>

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**Subject:** Engineering and Construction Bulletin (ECB) Management and Format Requirements

7. These programs are highly recommended for District/Center/MCX design leaders and designers, as well as Resident and Project Engineers, involved in medical facility design or construction. Completion of these programs will provide additional competency to the management, design and construction of healthcare facilities.
  
8. The USACE point of contact for this ECB is Paul Dicker, CECW-CE, (202) 761-0995; email: [paul.f.dicker@usace.army.mil](mailto:paul.f.dicker@usace.army.mil).



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## Attachment 1

### ASHE Healthcare Construction Certificate Course for the Army Corps of Engineers

#### Description:

Construction and renovation of health care facilities present many challenges that are unique to those types of occupancies and facilities. The Healthcare Construction Certificate (HCC) course is designed to prepare those who are involved in the planning, design and construction of health care facilities with the information and resources to work in the health care environment. The HCC course focuses on topics and situations that are unique to health care facilities and those factors that differentiate health care construction and renovation from other types of projects.

ASHE has provided the HCC course to nearly 10,000 individuals since the inception of the program in 2003. The course is offered many times each year at locations throughout the country.

The HCC course consists of an on-line introduction followed by a two-day face-to-face seminar. The on-line portion of the training can be accessed up to one month prior to the seminar at the participant's convenience. The two-day seminar will then build on the topics that are introduced in the on-line training. The seminar is presented using a combination of presentations, discussion, interactive exercises and problem solving.

Topics that are covered in the HCC include:

- The health care planning, design and construction process
- The health care regulatory environment and process, including the Joint Commission
- Life safety and fire safety considerations unique to health care facilities (based on NFPA 101, *The Life Safety Code*®)
- Construction risk assessment
- Infection control and prevention related to the physical environment
- Health care mechanical, electrical and plumbing systems
- Medical gas systems, including NFPA 99 requirements
- Medical equipment and technology
- Expectations for the construction team and construction process

Participants receive the ASHE Healthcare Construction Certificate as well as Continuing Education Units (CEUs) from the American Hospital Association for their participation.

#### Proposal to Provide the HCC for the Army Corps of Engineers

ASHE can provide the HCC Course directly to the Army Corps of Engineers at locations provided by the Corps.

#### Scope

- ASHE will provide the HCC course at a venue provided by the Corp of Engineers. ASHE will provide the faculty including their travel expenses, printed material, the computer used by the faculty for the presentations, CEUs from the American Hospital Association, and an HCC certificate for each attendee. The Corp of Engineers will provide the venue, audiovisual needs and any snacks or meals provided for the attendees.

**Cost**

- \$600 per participant with a minimum attendance of thirty participants. ASHE recommends that the maximum number of participants at a session be limited to 100 to facilitate interaction. Arrangements can be made to provide back-to back programs or two programs simultaneously to accommodate additional participants while keeping the class size such that discussion and interaction can be facilitated.

Note: The normal cost for participating in the HCC course provided by ASHE is \$765 for ASHE members and \$915 for non-ASHE members.