

Security Engineering Training

(5-day course)



PURPOSE

To provide a basic understanding of Security Engineering principles so security and engineering personnel can effectively work together to address security, antiterrorism, and force protection issues for new or existing facilities.

SCOPE

This course covers the information contained in the Unified Facilities Criteria (UFC) documents UFC 4-010-01, DoD Minimum Antiterrorism Standards for Buildings, UFC 4-010-02, DoD Minimum Antiterrorism Standoff Distances for Buildings, and UFC 4-020-01, DoD Security Engineering Facilities Planning Manual.

The UFCs present a process by which a planning team consisting of a provost marshal, engineer, and other appropriate personnel along with the facility user; can formulate security-related design criteria for a facility. The design criteria consider the assets to be protected, the threat against those assets (based on specific aggressor tactics), the level to which the asset will be protected against the threat; and any other user-imposed design constraints. The UFCs provide a process by which protective measures to counter the threats can be developed and integrated into a total protective system. The UFCs also provide a means to estimate a preliminary cost for the system. The course consists of formal instruction periods (lecture) along with interactive, sample problem exercises. The course concludes with a summary exercise that is solved and presented by students working in smaller interdisciplinary groups.

PERFORMANCE OBJECTIVE

Students will learn the concepts and philosophies of Security Engineering. Engineering and security personnel will gain a better understanding of each other's needs and approaches. This will enable them to partner on an interdisciplinary planning team to address security, antiterrorism, and force protection issues by sufficiently developing measurable criteria; and then solving the criteria for new or existing facilities.

WHO SHOULD ATTEND?

Civilian and military personnel (commissioned officer, warrant officer, and enlisted) involved in security, or engineering support of, security. Security personnel may include people from provost marshal, physical security, or law enforcement offices. Engineering personnel may include architects, engineers, planners, and designers from engineering offices, and Directorates of Public Works. Personnel from installation level, major command level, and U.S. Army Corps of Engineers district and division level, are encouraged to attend. Representatives from other US government agencies may attend. Under certain circumstances, representatives from A/E firms and foreign governments may also attend.

LOCATION AND REGISTRATION

Open-enrollment classes are presented at the Humphreys Engineer Center in Alexandria, Virginia. Individuals may self-nominate for admission to these sessions. For additional registration information, please contact the Class Registrar at:

Phone: (402) 995-2393

Email: PDC.Web@usace.army.mil

Mobile Training Teams (MTTs) can bring the Security Engineering class to a sponsor's location. The sponsor manages the student registration, provides the training facility, and is responsible for funding all expenses related to bringing the class to their location. For other questions or to host a class, please contact the Training Program Manager at:

Phone: (402) 995-2930

Email: PDC.Web@usace.army.mil

Web Page: <https://pdc.usace.army.mil>



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