Electronic Security Systems Training

Training Coordinator 256-895-1740

U.S. ARMY CORPS OF ENGINEERS **BUILDING STRONG®**

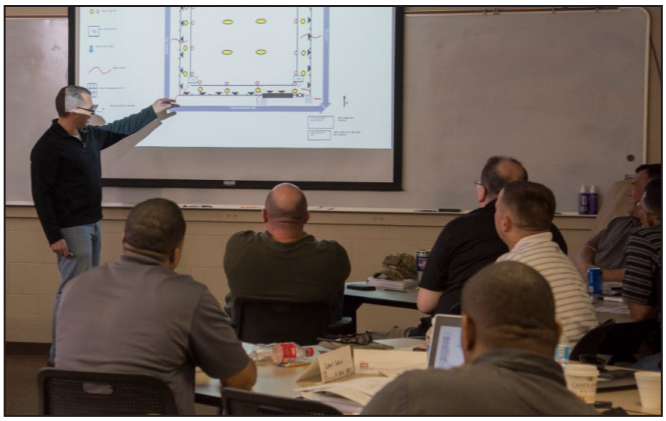
The U.S. Army Engineering and Support Center, Huntsville's Electronic Security Center (ESC) is the U.S. Army Corps of Engineers (USACE) Electronic Security Systems Mandatory Center of Expertise (ESS-MCX), located at the U.S. Army Engineering and Support Center, Huntsville.

The ESC supports the U.S. Army and government agencies by offering the ESS Design, Integrated Commercial Intrusion Detection System (ICIDS) III Operator and Administrator training courses in ESS to equip security professionals on the proper selection and application of current, state-of-the-art electronic security hardware and software.

All courses are taught by ESC personnel who are formally trained engineers, experienced technicians, retired military and former contractors with extensive and varied backgrounds in performing site surveys, design, construction, installation and testing of security sensors and systems for commercial and military applications. Instructors teach security technology, design, critical concepts, system operation, administration and share from the depth of their expertise and draw on the experiences of the students in an interactive forum. Courses are held on Redstone Arsenal, Alabama, in an ICIDS equipped training facility that includes advanced multimedia equipment, several operational workstations, access control devices, various interior and exterior sensors and cameras.

ESS Design Course

This course is intended as a foundation for individuals with responsibilities as physical security specialists, antiterrorism and force protection officers, engineers, technicians, planners and project managers. Each student is exposed to a range of electronic security technology and applications to provide working knowledge and skills necessary to contribute to an ESS design effort.



A student presents his ESS design group presentation to the class during Huntsville Center's ESS Design Course.

Students are given a foundation in the fundamental aspects of ESS technology and design. Basic theory, operation, and application of all ESS components including intrusion detection sensors (IDS), electronic entry control devices (EECS), video cameras, lighting and various types of supporting infrastructure are explained and illustrated. Site surveys, installation considerations and system testing also covered. After completing the course, students will be capable of conducting an ESS site survey, developing an ESS concept design, and performing quality assurance inspections and performance verification testing during the ESS installation phase.

Throughout the course, active class participation is encouraged through asking questions, analyzing case studies and solving practical design problems. Learned principles are applied throughout the week by participation in a design exercise that includes a class out-brief. The course is 36 hours of classroom instruction with pre- and post-course exams and includes a certificate of completion.

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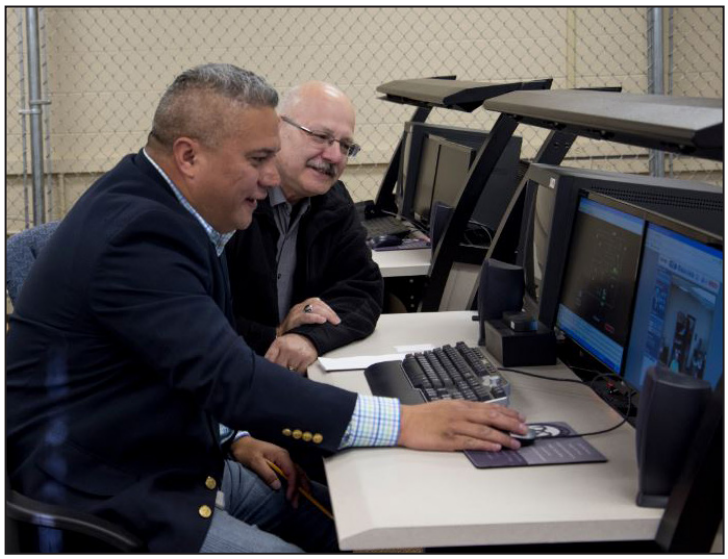
In a typical year, the center offers four sessions at the dedicated ESS training facility located at Redstone Arsenal, and three sessions at various locations both in the United States and overseas. In past years, mobile training teams have visited Florida, Virginia, Massachusetts and Washington, D.C., as well as Germany, Italy, Japan, Korea and Hawaii. The ESC can also tailor and abbreviate the course material to suit specific project or program needs for your organization.

Integrated Commercial Intrusion Detection System Training for Operators and Administrators
Students acquire the skills required to successfully operate and/or manage and administer a functional ICIDS. Administrators also gain the ability to teach personnel how to operate an ICIDS at their installation. Training for Operator's and System Administrators is obtained through lecture, case study, and hands-on experience with practical exercises.



ESS Design course students receive a hands-on live demo on ESS components.

Operator Training Description
Successful System Operators will be able to:
- Understand and identify the basic architecture, IDS, EECS equipment, and cameras.
- Understand security zone (e.g., an arms room) configurations.
- Effectively operate an ICIDS workstation to include logon, response to alarms, using CCTV to assess alarms and determining status of security zones.

The System Operator's Course is 20 hours; successful completion of the course requires attending 80% of classes and obtaining a minimum score of 70% on a written exam and practical exam and includes an official certificate of completion.

Administrator Training Description
Successful System Administrators will be able to:
- Have all the skills of the system operator.
- Effectively operate, manage and maintain an ICIDS.
- Understand, configure and manage security zones; access control zones, portals and access levels; system operator (user) profiles; Graphics screens; Input/Output (I/O) Configurations; Procedures; CCTV applications; and system backup/restore procedures.

The System Administrator's Course is 36 hours. Attendees should have a minimum of one year of experience working in security and/or electronics.