



CUSTOM ELECTRONIC DESIGN & INSTALLATION ASSOCIATION

Your Trusted Resource for Electronic Lifestyles®

CEDIA Education For Design and Build Professionals Offered Through CEDIA ROIs

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Home Integration for Convenience, Comfort, and Safety

This newly-revised course highlights the benefits of home automation and systems integration. Elements such as security, lighting, temperature control, communications, and entertainment are included in this course, along with discussion of commonly-held misconceptions related to home automation and systems integration.

Structured Wiring for the Integrated Home

What is structured wiring and why is it so important in today's modern, integrated home? These questions, and many others, will be answered during this course. Participants will walk away with the ability to define structured wiring, explain why structured wiring is needed, and discuss technologies that use structured wiring infrastructure.

Building Quiet Environments

In today's hectic and fast-paced world, homeowners need and want a space that is peaceful and tranquil—a quiet environment where they can relax and enjoy their home without noisy interruptions. This course outlines the fundamentals of sound control and gives examples of noise pollution affecting today's society. Participants will discuss key principles related to sound isolation and the “why, what, and how” components associated with controlling sound.

Home Theater Design and Construction

What is a home theater? This may sound like a simple question, but is it? Participants in this course will come away with a very distinct definition of what a home theater is—and what it isn't! Discussions will also include basic acoustical physics, common mistakes in design and construction, “points to remember” to achieve a solid, repeatable process, and spatial and usage considerations.

Home Audio Made Easy: Residential Speaker Solutions

There are many residential speaker solutions available for your client; how do you know which one is best? This course will help participants sort through speaker choices and placement considerations so that they will be better prepared to assist clients with finding the best options!

Understanding the Need for Home Technology

Participants will walk away from this course with a comprehensive overview of current home technologies available in today's connected homes. This overview will also help attendees plan for proper wiring infrastructure and other profitable electronic systems that today's savvy clients are looking for, dispel common misperceptions regarding home technology, and assist them in navigating the technologies market by providing a list of “do's and don'ts”.

Lighting Control

Lighting control has become a standard in new home construction...people who have it love it and wonder how they ever lived without it! Participants will walk away from this course with a basic understanding of lighting control terminology and the benefits and solutions related to lighting control—presented in simple, easy to understand language.

Planning for Residential Electronic Systems

As with other rough-in trades (mechanical, electrical, and plumbing), electronic systems should be planned for well in advance of construction and documented at the construction drawing phase of design. Participants in this course will discuss the roles, responsibilities, and functions of an Electronic Systems Contractor (ESC), and will examine specific design considerations, such as space, framing, electrical, and ventilation requirements.

Managing Electronic Systems Contractors (ESCs)

What is an Electronic Systems Contractor (ESC) and how do you fit him/ her into your design and build project? Discover what an Electronic Systems Contractor (ESC) will bring to your next project, from “insider” tips to successfully negotiating a contract with this vital subcontractor, to questions to ask during the interview process when locating your trained, professional electronics partner.

Home Technology Within the Design and Build Process

What is an Electronic Systems Contractor (ESC)? How does an ESC impact other crucial subcontractors and their work? The answers to these questions and more will be discussed as you learn how electronic systems can be seamlessly integrated into a home's design and build process with the help of a trained, electronics professional. Some of the areas addressed include framing, HVAC, millwork, paint, lighting, window treatments, and security, just to name a few!

Hiding Technology

Home electronics should integrate seamlessly into a home's design and décor. Using the three-pronged approach to hiding technology—advance planning, design philosophy, and product selection—specific challenges and recommendations related to hiding video displays, projectors, speakers, controls, cameras, and equipment racks—among others—will be addressed. This course speaks to innovative and creative ways to lessen the visual impact of electronics by making them low-profile, hidden or camouflaged, or even invisible!

