



Online Career Training @

NCTC Online Learning Academy

Smart Home Technology



Digital Home Technology Integration (DHTI+) Certification

The Home Electronics curriculum is designed to fulfill the growing requirement of trained professionals in the area of Home Technology Automation. In fact, home technology integrators anticipate seeing nearly 15 percent growth in their business in 2007, according to a January survey by CE Pro magazine. That follows a year (2006) in which integrators said they experienced revenue growth of 35 percent. But home technology integration firms face a challenge in finding individuals with the right skills.

The Home Technology Integration self-paced curriculum is designed to fulfill the growing requirement for trained professionals in the area of Home Technology. The program will address the core competencies required to install, integrate, and troubleshoot interconnected home subsystems, including entertainment, telecommunication, lighting, HVAC, water management, security, and access control systems.

Tuition: \$2150

Introduction to Residential Technologies

Designed for anyone new to the residential technology industry, including aspiring installers, builders, developers, contractors, real estate professionals, and interested homeowners. \$185

Fundamentals of Structured Wiring

A comprehensive review of residential structured wiring designed for new and inexperienced home technology installers. This course is also appropriate for builders, subcontractors, home technology manufacturers, and anyone with a serious interest in residential low voltage wiring. \$325

Home Networking for Installers

This course begins by explaining the capabilities and benefits of home networks as a means of sharing computers and Internet access, and also as the backbone for connectivity between other residential technologies.

Tuition: \$325

Home System Automation and Integration

The Home System Automation and Integration course discusses how to bring all the home subsystems together and create a fully integrated home. The course describes the process of setting up and programming automation controllers for complete home automation. \$395

Home Technology Tools, Products, and Services

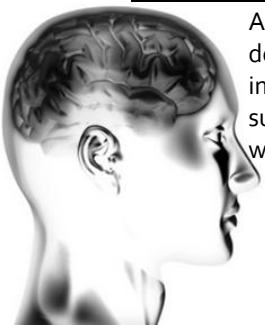
This course presents the major commercial participants, common practices, and prevalent consumer perception of HTI benefits. The course discusses the concept of an Integrated Home Network (IHN) and the tools, equipment, and expertise required to build it. \$395

Home Theater Design and Installation

Home theaters are becoming a "must have" in homes these days, and this course teaches what students need to know to understand, design and install a home theater. Low-, mid-, and high-end home theater possibilities are reviewed. \$325

Lighting, Water, and Temperature Control Systems

The Lighting, Temperature, and Water Control Systems course discusses effective management of three energy and utility-based systems — lighting, heating, ventilation, and air-conditioning (HVAC), and water through implementation of home technology. \$395



Home Technology Training



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Security, Surveillance, and Access Control Systems

The Security, Surveillance, and Access Control Systems course discusses the working principles, design, and installation of home security and access control systems. It describes wired and wireless security systems such as sensors, security panels, zone commanders, and CCTVs . \$395

Telecommunications Systems

The Telecommunication Systems course introduces students to the fundamentals of the telecommunication system. Students are instructed on the design, installation, and configuration of home telecommunication systems, including advanced wired and wireless systems. \$395

Whole House Audio Technology and Distribution

Course includes complete instruction on the possibilities, benefits, technology, design, and installation of whole house music systems for residential installers/integrators. \$325

HVAC Technician Fundamentals

Learn the basics of HVAC Electrical, Air Conditioning and Refrigeration with this entry level training. developed by leading HVACR experts that truly develops your core technical skills and advances your industry knowledge. Tuition: \$745

HVAC Systems and Controls Fundamentals

Take the basics of Heating and Air Conditioning one step further. This 150 hour program is developed by American Society of Heating, Refrigerating and Air-Conditioning Engineers. (ASHRAE). Tuition: \$875

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