

# The Connected World

*Readily understood by everyone in this non-technical course*

## 1. Life in Today's Digital World

- Systems in the Home
- Benefits of Living with Connectivity

## 2. The Internet of Things

- Connected Devices and Products
- IoT by the Numbers
- Projected Growth and Opportunities

## 3. Industry Players and Stakeholders

- ESC, Electronic System Contractor
- Needs and Responsibilities of Stakeholders
- Planning Tools and Industry Associations

## 4. Making It Happen

- Single, Packaged and Custom Solutions
- Design, Planning, Installation and Pricing

## 5. Networking

- Components & Benefits of Structured Wiring
- Internet Connection Options and Path
- Devices, Protocols and IP Addresses
- ISP, LAN, WAN, TCP/IP, MAC, and DHCP

## 6. Surveillance & Communications

- Communication Options and VoIP
- Cameras, Recording, Storage, and Analytics

## 7. Entertainment

- Audio/Video Components and Systems
- Types of Home Theaters
- Digital Media, Storage and Streaming

## 8. Lighting Control

- Wiring, Fixtures and Lamps
- Control Technologies and Options
- Lighting Control Components

## 9. Environment and Energy Management

- Measurement and Control Devices
- Energy Management Options

## 10. Security, Health, and Safety

- Security Systems and Components
- Detection Devices and Notification
- Access Control and Components

## 11. Power Quality and Other Systems

- Surge Protection and Power Conditioning
- Motorized Window Treatments
- Other Systems to Control

## 12. Integrated Home Control

- Control Options, Benefits, and Components
- Control and User Interfaces

## 13. Industry Trends and Insights

- Industry Trends and Opportunities
- Migration to the "Cloud"
- RMR, Recurring Monthly Revenue
- Future Possibilities

## 14. Course Summary

### FINAL TEST

# BEDROCK Learning Online Course

4 hours

\$99 US



## DESCRIPTION

This engaging introduction is recommended for all types of employees and is designed for anyone new to the industry or interested in the growing market opportunities. This course delivers an overview of the smart home industry and IoT. Gain an explanation and appreciation of the Internet of Things. Learn about systems, capabilities, benefits, and the technical infrastructure that delivers integration of products and services. Examine trends and innovations changing the way we live, work, and play, and get a glimpse into future technologies.

## OBJECTIVES

- Share the dramatic changes in the connected world
- Explain the IoT, Internet of Things
- Identify home technology categories / systems and share the benefits they each provide
- Explain integration of home systems
- Describe incorporating technologies into a building
- List players involved in the smart home industry
- Identify roles and responsibilities of stakeholders

## EARN CEUs

CEDIA™

2 CEUs



4 Contact Hours

Alabama 4 hrs

Delaware 1 CEU

Louisiana 4 hrs

Mississippi 4 hrs

Montana 4 hrs

Tennessee 4 hrs

[www.bedrocklearning.com](http://www.bedrocklearning.com)