



# Essentials of AV Technology (Online)

## Introduction to AV Systems

Analog and Digital Signals  
Compression and Transmission

**Introduction to AV Systems Assessment**

## Networking

Networking Components  
Network Connections  
Ethernet  
Internet Protocol (IP)  
Address Assignment  
Transport Protocol  
Security

**Networking Assessment**

## Visual Systems

Vision and Light  
Capturing an Image  
Video Signal Types  
Computer Display Characteristics  
Producing and Image  
Display and Projection  
Screens  
Perceived Quality

**Visual Systems Assessment**

## Audio Systems

Hearing and Sound  
Acoustics  
Capturing Sound  
Audio Signal Levels  
Audio Components  
Loudspeakers  
Signal Level Monitoring  
Audio Applications

**Audio Systems Assessment**



## **Infrastructure**

Control Systems  
Electrical Systems  
Signal Management  
Radio Waves

**Infrastructure Assessment**

## **Customer Service**

Customer Service

**Customer Service Assessment**

## **Future Trends**

Future Trends