AV Design Level 3: Applied Design

Digital Signals
   Analog vs. Digital Signals
   Digital Signals

Digital Video
   Video Signal Types
   Digital Video Formats
   DisplayID/EDID
   Designing for EDID
   Digital Rights Management
   Getting Here to There

Audio
   Analog vs. Digital Audio
   Audio Transport Methods
   DSP Architecture Types
   Signal Monitoring
   Setting Up the System
   Introduction to Equalization
   Parametric Equalizers: Filters
   Graphic Equalizers
   Other Filters
   Getting From Here to There

Control
   Designing for the Human
   Control Systems Design

Networking
   Network Device Inventory
   Networking Components
   The OSI Model
   Network Connections
   Ethernet
   Internet Protocol (IP)
   Address Assignment
   Transport Protocol
AV Data Link Protocols

**Streaming**
- Streaming Needs and Tasks
- Streaming and the Network Environment
- Streaming Delivery and Protocols
- Unicast and Multicast

**Security**
- IT Security for AV Applications
- Identify Security Requirements
- Risk Registers
- Mitigation Plans