



## ONSITE

### DESCRIPTION

This course is designed to teach theory and common technologies associated with transmitting real-time MPEG 2 transport streams over IP networks. Areas of study will include: history of today's implementation, common network architecture, transmission techniques, error correction techniques, analysis, associated technologies, advantages and disadvantages, and future outlook. This multifaceted approach aims to not only teach about the technologies surrounding this topic but to build a larger understanding of the applications and technologies surrounding it.

### PREREQUISITES

Basic networking knowledge

Basic MPEG knowledge

### SCHEDULE

This is an eight (8) hour course split into two, four (4) hour sessions with a one (1) hour lunch break in between sessions.

### COURSE GOALS

Upon completion of the course, students should have a general understanding of how MPEG 2 transport streams are carried across IP networks, the challenges involved, how to overcome those challenges, and the advantages/disadvantages of doing so. Students should possess a solid understanding of the theory behind MPEG over IP networks and how to configure devices to operate on such networks. Students should be able to identify, troubleshoot, and isolate problems they encounter using an array of common analysis tools.