



## **Course INN3010**

### **IPTV Fundamentals**

**Price: USD - \$395**

**Length: 0.5 Day (3 Hours) \***

\* Because of the self-paced nature of these courses, all durations are averages.

### **What is Self-Paced Web eLearning?**

Delivered in a highly interactive Web-based environment, self-paced Web eLearning can be accessed when you need it, from the desktop or home. It's a powerful mix of interactive simulations, quizzes, exercises, graphics and videos.

### **Benefits of Self-Paced Web eLearning:**

- Less travel time away from home and work
- Reach your training goals in up to 50% less time
- Learn with the most up-to-date content available
- Content and technical support is just a call or click away
- Cut training costs by 40-50% through reduced travel and associated expenses
- Convenience and control of deciding where, when and at what pace you learn
- Interactive, dynamic and more effective training

### **Course Description**

IPTV Fundamentals introduces you to the building blocks of IPTV. You will learn what IPTV is and what it isn't and why companies in the telecommunications industry are engaging in IPTV deployments. You will also learn about video production and distribution and the services offered in the IPTV product. This course describes the technical architecture of the IPTV solution and how an IPTV provider's operational processes will change. This course also overviews alternate broadcast approaches currently used in the cable and satellite industries.

### **Mode of Delivery**

IPTV Fundamentals is a web-based, self-paced eLearning course that takes approximately 3 hours to complete. This web-based eLearning course provides you with the convenience and control to decide when, where and at what pace you learn.

### **Objectives**

Upon the completion of this course, the student will be able to:

- Identify why Telcos must offer an IPTV solution
- Describe IPTV and its components
- Describe the service components of the IPTV solution
- Describe the technical requirements and their functionality
- Describe the operational process required to support IPTV by the Telco
- Provide an overview of competitive approaches

### **Intended Audience**

This course is intended for all employees of Telco and Telco suppliers. These include people involved in sales, marketing, technical, and support services.



## Recommended Prerequisites

No prerequisite courses are required. Prerequisite skills include a general knowledge and understanding of IP and basic computer skills.

## Course Outline

### IPTV Course Overview

- What IPTV Is
- What IPTV Is Not
- IPTV Benefits

### Telco Evolution & IPTV

- Telco Industry Dynamics
- Triple Play Strategy
- IPTV Challenges

### Video & Audio Processing

- Video Recording, Storage, & Distribution
- IPTV Video Distribution Process
- Viewing IP Video

### IPTV Service Offerings

- Channel Packages
- Audio Services
- Interactive Program Guide (IPG)
- Pay Per View (PPV)
- Video on Demand (VOD)
- Video Security
- Personal Video Recording (PVR)
- Additional Service Features

### Recommended Computer Requirements:

- IBM-compatible PC
- Pentium II with 64+ MB RAM
- 32 bit sound card
- 800 x 600 screen resolution with 256 colors
- Multimedia headset\*
- 30MB free disk space
- 56 kbps modem
- Internet Explorer\*\* 5.5 SP1 or higher/Netscape 7.2 or higher
- Windows 98/2000/NT 4.0 (With SP4)

\*Headset required for courses with live online classroom (Facilitated eLearning) sessions only.

\*\*In order to maximize your learning experience, and take full advantage of all features and functionality available within your eLearning courses, we recommend Internet Explorer as the browser of choice.

### IPTV Technical Architecture

- The Evolution to IP
- Technical Components Overview
- Head End
- IPTV Middleware
- Broadband Core Network
- Access Network
- Home Network

### IPTV Operational Processes

- Service Activations
- Service Delivery
- Customer Support
- Network Operations
- Content Management
- IPTV Service Operations Manager

### IPTV and Alternate Broadcast Approaches

- Cable TV Solution
- Satellite TV Solution
- IPTV Solution