



# APPLIED PROFESSIONAL TRAINING

A Global Leader in Technology Education



## TEL120: Internet Protocol Television

Location: 20 E. Thomas Rd., Phoenix, AZ

Monday/Wednesday

IPTV Rate Sheet	Class Hours	Tuition	CEU's	College Credits	Section #	Dates	Time
TEL120: Internet Protocol Television	40	\$1,585	4	3	12.040	January 30 February 1, 6, 8, 13, 15, 22, 27, 29 March 5 2012	6-10pm

### Learning Outcomes

Upon completion of this course, students will be able to:

- Define Convergent Technology and IP Centric and list services they provide for.
- Describe an IPTV distribution network and list its basic components.
- Describe the basic networking architecture for IPTV and list the components used in the home and the Central Office.
- Successfully complete the hands-on lab assignments for the creation of a small IPTV network.

### Career Benefits

- Gain valuable knowledge and skills needed to advance in the rapidly changing telecommunications industry
- The education students receive from this course will prepare them to intelligently discuss Convergent Technology and new IP Centric services.

### Course Features

- Interactive classroom training and demonstrations from highly qualified instructors.
- Hands-on activities reinforce concepts and skills.

January 2012						
Su	Mo	Tu	We	Th	Fr	Sa
1	2	3	4	5	6	7
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February 2012						
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March 2012						
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25	26	27	28	29	30	31

### COURSE DESCRIPTION

**Part A:** This course provides a comprehensive overview of Internet Protocol Television (IPTV). Convergent services and products, traditional technologies associated with Public Switch Telephone Network, and the imminent transition to a purely IP based platform is discussed. Analog fundamentals, digital signals fundamentals, modulation techniques, packet switching principles, television technologies, and the principles of Digital TV technology are examined.

**Part B:** Information flow through a TCP/IP network, message exchange protocols for real time services, and broadband networking technologies used in the local loop (network access) and in the central office is discussed.

**Part C:** This course is a hands-on lab where students create a small IPTV network using switches, routers, applicable software, protocols, and a TV.

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[www.aptc.edu](http://www.aptc.edu)

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