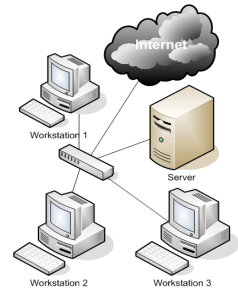




# APPLIED PROFESSIONAL TRAINING

A Global Leader in Technology Education

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## Technology Education in

## TEL104 DCN: "DATA COMMUNICATIONS AND NETWORKS"

**COURSE INFORMATION:** CWA Local, 2840 South Vallejo St., Englewood, CO

DCN Series	Course #	Total Hours	Cost	CEU's	College Credits	Dates	Time
TEL104 DCN	10.020	56	\$1785	5.6	4	<b>Tue/Thur: Jan 19, 21, 26, 28, Feb 2, 4, 9, 11, 16, 18, 23, 25, Mar 2, 4, 2010</b>	<b>6-10pm</b>

### Career Benefits

- Students gain basic Data Communications competencies and knowledge providing them with increased productivity and viability in the Communications industry.
- The knowledge and skills gained from this course will prepare students for more advanced training and education in Data Communications technologies.

### Course Objectives

- Describe how data, voice and video signals are transported through data networks.
- Identify LAN / WAN topologies, standards, and protocols.
- Describe data transport services like ATM, Frame Relay, ISDN, DSL, etc.
- Discuss functionality of various network hardware elements.
- Discuss future emerging technologies.

### Course Features

- Instructor led training and Demonstrations.
- Extensive Hands on! Each student will work through interactive exercises on supplied classroom equipment.
- Interactive and pleasurable – no pressure learning environment.

### COURSE DESCRIPTION

This course covers Communications Networks, Network Connectivity, Data Representation, Digital Communications Techniques and Basic Data Transport Concepts. Data networking concepts such as transport media and standards, LAN hardware functionality, TCP/IP protocols, and signal processing are discussed in detail. Students learn the basics of xDSL, ATM, Frame Relay and other data transport services. Network convergence of voice and data and emerging technologies are introduced. Students will engage in an extensive hands-on experience that will include building and troubleshooting a small Local Area Network and simulated transmission facilities, using tools and test equipment. The hands-on activities will solidify the knowledge and skills learned from this course.



*If interested in learning more about these and other APT programs, please visit our website or contact our friendly office!*

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