



APPLIED PROFESSIONAL TRAINING

A Global Leader in Technology Education

www.aptc.edu 800.431.8488



Technology Education in

TEL205 COT: "CENTRAL OFFICE TELECOMMUNICATIONS"

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

COT SERIES	Course #	Total Hours	Cost	CEU's	College Credits	Dates	Time
TEL205	10.019	56	\$2380	5.6	4	Mon/Wed: Jan 18, 20, 25, 27, Feb 1, 3, 8, 10, 15, 17, 22, 24, Mar 1, 3, 2010	6-10pm

Career Benefits

- ☑ Students gain basic core competencies and knowledge that enable them to be productive in Central Office job positions and accelerate the time required to reach a high degree of proficiency.
- ☑ Students gain valuable knowledge and skills to increase job opportunities and marketability.

Course Objectives

- ☑ List and discuss the functionality of the basic equipment found in typical Central Offices and the types of POTS and Special Service products they provide for.
- ☑ Explain how analog and digital signals for voice, data, and video are processed and transmitted through the CO and outside plant equipment.
- ☑ Demonstrate basic transport circuit installation and testing procedures.

Course Features

- ☑ Interactive, leader-led classroom instruction from highly qualified instructors with decades of experience.
- ☑ Extensive hands-on activities to re-enforce the knowledge and skills gained from this course.

COURSE DESCRIPTION

This course provides a fundamental understanding of local and toll central office switching and transport architecture. Major equipment used in the Central Office to provide Data and Voice services to business and residential subscribers is discussed, including Class 5 POTS switch hardware elements, Frame Relay and ATM Packet switches. Students learn the difference between Packet Switch and Circuit Switched infrastructure and applications. An in-depth understanding of the Central Office transport equipment used to interconnect switching nodes, and provide voice and data services to residential and business customers, including installation and testing procedures. Basic CO power room equipment, common Outside Plant equipment, Remote Terminals, local loops, fiber optics, Coax Cable, Twisted Pair, etc. are discussed.



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

www.aptc.edu



800.431.8488