

Broadband Academy- Level One- Course Competencies

Telco Services 1: (47451451)

- Explore the evolution of POTS and Public Switch Telephone Network
- Compare outside plant copper cable characteristics
- Evaluate outside plant installation practices connecting the subscriber to the central office
- Outline troubleshooting method of subscriber loop
- Identify system maps and staking sheet
- Interpret Telco services
- Apply business operation strategies

Internet Services 1: (47451452)

- Explain the evolution of the Internet
- Compare broadband transports
- Analyze broadband installation practices
- Outline troubleshooting broadband Internet services
- Examine National Broadband Plan
- Analyze broadband security
- Examine the impact of broadband services on the economy
- Apply basic concepts for Broadband services
- Resolve Broadband service problems

Fiber Services 1: (47451454)

- Explain the evolution of fiber optic networks
- Compare fiber optic cable characteristics
- Analyze FTTX installation practices connecting the subscriber to the POP
- Outline troubleshooting method of fiber networks
- Identify different system maps
- Interpret FTTX services
- Examine fiber optic documentation

Wireless Services 1: (47451455)

- Explain the evolution of the radio frequency and WIFI
- Identify WIFI Components
- Compare WIFI transports
- Analyze WIFI installation practices
- Analyze WIFI security
- Outline troubleshooting WIFI services
- Examine WIFI documentation practices

Television Services 1: (47451453)

- Explain the evolution of HFC networks
- Compare coaxial cable characteristics
- Analyze coax installation practices connecting the subscriber to the provider network
- Outline troubleshooting method of HFC/IPTV networks
- Identify different system maps
- Interpret HFC/IPTV services
- Examine HFC documentation