Broadband Wireless Digital Installer

Program Description: Broadband professionals will be instructed on what is involved in certifying the reliability of the drop for digital TV, high-speed Internet, and telephone service, as well as step-by-step installation procedures for each service.

Because the DOCSIS and PacketCable technologies are unique to the broadband cable industry, the course provides extensive information about their origination and the advantages that each offers. Due to the rapid growth of and interest in home security and home automation within the broadband industry, this course covers the protocols that power the connected home as well as the connected home ecosystem. For the Digital Broadband field practice, we use NCTI courseware, and an internal product called VIPER which is a virtual installation center of 48 different homes.

Program Objective: This course covers the protocols, technical knowledge and techniques needed to work as a technician in the Broadband Wireless Digital Installer field. Our Broadband Wireless Digital Installer presents background information related to Wireless installation practices pertaining to digital TV, Data over Cable Service Interface Specification (DOCSIS®) high-speed Internet, PacketCable™ telephone and home automation services for the connected home. In addition, the student will be trained on various regulatory standards including safe rigging and hoist operations. Protocols and assessment for LTE operations are also included.

Credential: Diploma

Duration: 112 hours

Program Tuition: $6,500

Books: The cost of books is included in tuition.

Prerequisites:

- Candidates should be over 18 years of age
- Have a valid driver's license.
- A high school Diploma or GED.
- Candidate Must be willing to travel out of market/state (50% travel minimum)
- Candidate Must be able to pass background, driving record, and drug testing
- Candidate Must be Fit for Duty (Carry 50-75 lbs.)
- Candidate should have no Fear of Heights. (Work is conducted 150-500 feet in the air)
- Basic mechanical skill is a plus
- Ability to work in the outdoor elements (Summer, Winter)
- Candidate must be under 225 lbs.

Courses Breakdown by Hours

PROGRAM BREAKDOWN BY COURSE				
Course Number	Course Title	Clock Hours	Credit Hours	Services (If Applicable)
17BB - 01	INSTALLING DIGITAL SERVICES	16	N/A	Lab 10
17BB – 03	TELECOMMUNICATIONS SYSTEM OPERATIONS	14	N/A	
17BB – 04	INSTALLING TELECOM SERVER COMPONENTS	12	N/A	Lab 09
17BB – 11	INSTALLING 5G WIRELESS INTEGRATED TECHNOLOGIES	14	N/A	Lab 10
19BW – 12	REGULATIONS AND STANDARDS	8	N/A	(Online)
19BW – 13	OSHA AND WIRELESS RF/EME AND HAZARDS	8	N/A	(Online)
19BW – 14	AUTHORIZED CLIMBER	12	N/A	Lab 10
19BW – 15	SOFT AND HARD SKILLS	8	N/A	Lab 05
19BW – 16	RIGGING AND HOIST OPERATION	12	N/A	Lab 10
19BW – 17	LTE INSPECTIONS AND GUIDELINES	8	N/A	Lab 05
	TOTAL:	112		Lab Hours 59