

## Broadband Digital Installer

**Program Description:** Our Broadband Digital Installer presents background information and 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. 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 offer. The evolution of DOCSIS is detailed from its initial release through all versions including DOCSIS 3.1 and includes an explanation of what transpires in the background when a modem is being provisioned for service. 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 Digital Installer field.

**Duration:** 304 hours

**Program Tuition:** \$15,000

**Books:** The cost of books are included in tuition

**Prerequisites:** Candidates should be over 18 years of age, have a valid driver's license and a High School Diploma or GED.

### Courses Breakdown by Hours

| Course Number | Course Title                                       | Clock Hours   |
|---------------|--|---------------|
| <b>17BB</b>   | <b>Broadband Digital Installer</b>                 | <b>304hrs</b> |
| 17BB -1       | Installing Digital Television Services             | 16            |
| 17BB -2       | Introduction to Docsis                             | 14            |
| 17BB -3       | Docsis Modem Operations                            | 14            |
| 17BB -4       | Installing A Doscis Modem                          | 12            |
| 17BB -5       | INTRODUCTION TO Voip                               | 14            |
| 17BB -6       | INSTALLING Voip                                    | 12            |
| 17BB -7       | Introduction to Twiste-Pair Inside Wiring          | 16            |
| 17BB -8       | Installing Twisted-Pair Inside Wiring              | 24            |
| 17BB -9       | Installing the Home Media Network                  | 14            |
| 17BB -10      | Theory of Connected Home Transmission Technologies | 10            |
| 17BB -11      | INSTALLING Voip WITH ELECTRONIC SECURITY SYSTEMS   | 14            |
| 17SS - 60     | Soft Skills Training For The Workplace 1           | 16            |
| 17SS - 61     | Soft Skills Training for The Workplace 2           | 16            |
| 17SS - 62     | Soft Skills Training for The Workplace 3           | 16            |
| 17SS - 63     | Soft Skills Training for The Workplace 4           | 16            |
| 17PP - 70     | Personal Performance Management 1                  | 16            |
| 17PP - 71     | Personal Performance Management 2                  | 16            |
| 17PP - 72     | Personal Performance Management 3                  | 16            |
| 17PP - 73     | Personal Performance Management 4                  | 16            |
| 17PP - 74     | Personal Performance Management 5                  | 16            |