

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 offers. 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.

Duration: 304 hours

Program Tuition: \$10,000

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
17BB	Broadband Digital Installer	304hrs
17BB -1	INSTALLING DIGITAL TELEVISION SERVICES	16
17BB -2	INTRODUCTION TO DOCSIS	14
17BB -3	DOCSIS MODEM OPERATIONS	14
17BB -4	INSTALLING A DOCSIS 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