Broadband Digital Installer

Program Description: Our Broadband Digital Installer program presents background information and installation practices pertaining to multiple transmission mediums that include broadband, wire line, wireless, fiber optic, radio frequency, and coaxial infrastructure types. These mediums support telecommunications infrastructure that allows people access to internet services, wireless and wired telephone systems, 5G related devices, home automation services, and integrated technologies.

Broadband professionals will be instructed on what is involved in certifying the reliability of a drop system – fiber and coaxial – on multiple structures that include rooftop, self-supporting towers, and monopoles. They will develop an understanding in high-speed data transfer for multiple use cases as well as step-by-step installation procedures for each service. Because the modem, routers, switches, wireless devices, and other technologies are unique to the telecommunications industry, the course provides extensive information about their origination and the advantages that each offers. The evolution of different modem/server types, from baseband to inside radio units, is detailed from its initial release through all versions including various manufacturers and includes an explanation of what transpires in the background when a network is being provisioned for service.

Due to the rapid growth of and interest in 5G related integration technology, this course covers the protocols that power the infrastructure that connects businesses, schools, homes, phones, and, ultimately, people together. For the Digital Broadband field practice, we provide a blended learning approach that includes lectures, hands on assessment, exam knowledge checks, virtual/augmented reality solutions, and the ability to obtain a number of key industry certifications to hit the ground running in this expanding industry.

Program Objective: This course covers the protocols, technical knowledge, hands on competencies and techniques needed to work as a technician in the Broadband, Wireless, Wired, Fiber Optic, Digital, or any other Installer related field that requires a network-based solution for communications.

Credential: Diploma

Duration: 304 hours

Program Tuition: $15,000

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.

Courses Breakdown by Hours

PROGRAM BREAKDOWN BY COURSE				
Course Number	**Course Title**	**Clock Hours**	**Credit Hours**	**Services (If Applicable)**
17BB - 1	INSTALLING DIGITAL SERVICES	16	N/A	
17BB - 2	INTRODUCTION TO HIGH-SPEED DATA	14	N/A	
17BB - 3	TELECOMMUNICATIONS SYSTEM OPERATIONS	14	N/A	
17BB - 4	INSTALLING TELECOM SERVER COMPONENTS	12	N/A	
17BB - 5	INTRODUCTION TO WIRELESS TECHNOLOGY	14	N/A	
17BB - 6	INSTALLING WIRELESS TECHNOLOGY	12	N/A	
17BB - 7	INTRODUCTION TO TELECOM WIRING	16	N/A	
17BB - 8	INTRODUCTION TO TELECOM WIRING	24	N/A	
17BB - 9	INTEGRATING THE TELECOMMUNICATIONS NETWORK	14	N/A	
17BB - 10	THEORY OF CONNECTED TRANSMISSION TECHNOLOGIES	10	N/A	
17BB - 11	INSTALLING 5G WIRELESS INTEGRATED TECHNOLOGIES	14	N/A	
17SS - 60	SOFT SKILLS TRAINING FOR THE WORKPLACE 1	16	N/A	
17SS - 61	SOFT SKILLS TRAINING FOR THE WORKPLACE 2	16	N/A	
17SS - 62	SOFT SKILLS TRAINING FOR THE WORKPLACE 3	16	N/A	
17SS - 63	SOFT SKILLS TRAINING FOR THE WORKPLACE 4	16	N/A	
17PP - 70	PERSONAL PERFORMANCE MANAGEMENT 1	16	N/A	
17PP - 71	PERSONAL PERFORMANCE MANAGEMENT 2	16	N/A	
17PP - 72	PERSONAL PERFORMANCE MANAGEMENT 3	16	N/A	
17PP - 73	PERSONAL PERFORMANCE MANAGEMENT 4	16	N/A	
17PP - 74	PERSONAL PERFORMANCE MANAGEMENT 5	16	N/A	
	TOTAL:	304		