ACADEMIC INFORMATION

BROADBAND DIGITAL INSTALLER

PROGRAM DESCRIPTION

The Broadband Digital Installer Program is an intensive 200-hour blend of lectures and hands-on practice, aimed at equipping students with essential technical and safety skills for the telecommunications industry. Focused on practical expertise and adherence to safety standards, this program covers key areas including the OSHA 10, ANSI, and TIA 222 regulations and standards to ensure workplace safety and compliance.

PROGRAM OBJECTIVE

Students will learn critical skills such as safe climbing, rigging and hoist operations aligned with ANSI 10.48 standards, and advanced rescue techniques. The program delves into the technicalities of telecommunications systems, including lines and antennas, with a strong emphasis on modern methods for antenna alignment, cable management, and weatherproofing. Additionally, courses on RF EME hazard mitigation, cell site basics, CAD welding, grounding, and first aid equip students with the comprehensive knowledge needed for fieldwork.

With a curriculum that integrates material handling, project planning (SOW and JHA), and soft skills development (communication, teamwork, problem-solving), graduates of this program will be well-prepared to enter the workforce as proficient, safety-conscious telecommunications technicians, ready to meet the industry's current and future demands.

PROGRAM BREAKDOWN

Course Code	Course Title	Clock Hours
17BB - 1	Regulations and Standards	15
17BB - 2	Authorized Climber	30
17BB - 3	Rigging and Hoist Operation	20
17BB - 4	Lines and Antennas	20
17BB - 5	Ropes and Knots	10
17BB - 6	RF EME Hazard Identification and Mitigation	10
17BB - 7	Cell Site Basics	10
17BB - 8	CAD Welding and Grounding	10
17BB - 9	Advanced at Height Rescue	20
17BB - 10	First Aid and CPR	20
17BB - 11	Material Handling and Transportation	15
17BB - 12	SOW and JHA	10
17BB - 13	Power Skills	10
	TOTAL:	200