

Course Name: Tower Erection Basics

Course Overview: This course combines classroom and hands-on instruction to teach and expose the student to the basic techniques and standards necessary to erect the most common communication towers, utilizing industry standards applicable to basic tower erection.

Course Length: One day

Who should Attend:

- Field Technician
- Anyone responsible for erecting communication towers

You will Learn:

- Basic techniques in erecting communication towers utilizing industry standards

Prerequisites: None

Customizable Course: No

Course Content:

Pre-Job Safety

- Pre-Job Survey
- Hazard Identification
- Pre-Job Inspection
- Safety Meetings

Pre-Tower Erection

- Off-loading Tower Steel
- Inventory and Preparation
- Pre-assembly on Ground
- Task Assignments
- Tower Erection Plan

Lift Equipment/Devices

- Powered Platforms and Manlifts
- Vehicle-Mounted Work Platforms
- Cranes, Hoists
- Gin Poles
- Winches
- Helicopters
- Slings

Communications and Interfacing



- USA Standard Hand Signals
- Radio Communications
- Alternate Communications

Tower Designs

- Self-support Towers
- Monopole Towers
- Guyed Towers
- Other Tower Structures

Tower Assembly

- Foundations and Anchor bolts
- Anchor Blocks and Points
- Single Section Assembly
- Multiple Section Assembly

