

TECHNICAL TRAINING



Storm Recovery Hazard Tree Cutting and Falling



Friday April 6, 2018
Sturbridge Town Hall
308 Main St. Sturbridge, MA 01566
8:00 a.m. - 3:00 p.m.

(registration/light continental breakfast 7:45 a.m.)
Lunch Provided

PRESENTER

Ed Carpenter, Lead
Trainer/President, North
American Training Solutions
Inc

North American Training Solutions(Inc. NATS)provides the highest quality of skills training and education in disciplines required of Arboriculture, Utility, Forestry, Military, Municipal and others at risk and high angle professions.

NATS trainers have performed professional arboricultural raining services to Tree Care Companies, Municipal, Governmental, Utility, Military, Colleges and other related industries for more than 20 years.

This course one-day course is designed to educate personnel who use a chainsaw in risk assessment and work plan strategies that are designed to ensure worker safety through work planning, teamwork and specialty cutting techniques and equipment. Explanation, demonstration and practice using ropes, P.M.Ps ((Prusik Minding Pulleys) and mechanical advantage are an integral part of this course. The installation and use of pull lines, guying and anchoring techniques used to overcome felling difficulties such as snags, excessive lean and decay challenges completes this practical and advanced technical chainsaw course.

This course meets the criteria for Accepted Practices in Safety Health and Environmental Training to ANSI/ASSE Z490.1 Also OSHA 1910 Logging Standards and ANSI Z133 Safety Requirements for Arboricultural Operations.

Eligibility requirements to participate in this course:

Experienced chainsaw operators who are trained in basic chainsaw safety, use and maintenance who have taken the Technical Tree Falling & Cutting course (s) have prior chainsaw training or considerable experience.

TO PARTICIPATE IN THIS COURSE YOU MUST BRING THE FOLLOWING WITH YOU

Helmet
Safety Glasses
Gloves
Hearing protection
and Chainsaw Chaps if they have them.

TOPICS COVERED:

Safety and Managing Hazard and Danger Tree Risks

- * Integrated risk assessment and documented record keeping
- * Hazards, Obstacles, Planning & Equipment (HO.P.E.)
- * Site preparation, emergency preparedness & fire prevention
- * Identify and understanding the effect of decay, lean and loading

Chainsaw Safety, Starting and Operations

- * Safety features and starting
- * Chainsaw operation, ergonomics and positioning

Ropes, Knots, Hardware and Mechanical Advantage

- * Rope use, care, factor of safety, bend radius, tensile strength and cycles to failure
- * Connecting links, port-a-wrap, rope grabs use, care, (advantages and limitations)
- * Slings, knots and hitches, use, care and maintenance

- * Using wedges, pull lines, hand lines, cant straps, levers (advantages and limitations)
- * Mechanical advantage using Z-rigs and fiddle blocks and winches/jacks

Hazard and Danger Tree Cutting and Falling

- * Hazard & danger tree identification; leaners, snags, hangers, widow makers & decay
- * Compression and tension and identifying and evaluating leans and loads
- * Escape routes- the 5-15-90 rule.
- * Notch/hinge/cut release strategies that maximize control and safety
- * Dealing with large diameter spring poles under various load factors (river, snow, ice)

Technical Cutting and Releasing Hung and Snagged Trees

- * The six-step cutting plan
- * Ergonomics, reactive forces and safety features
- * Key notch, controlled knee hinge, mis-match/bypass cut and bore cut

Technical Falling and Guying Side-Leaning Trees

- * The six-step felling plan
- * Calculating side, back and forward lean
- * Installing guy lines utilizing the 90° degree to lean guying concept
- * Bending moment, potential energy and anchor points
- * Notch, hinges and back cuts that maximize control & safety

Please Note: North American Training Solutions Instructors retain the right to disallow a participant from participating in practical applications if the instructor discerns that the participant's abilities are inadequate for the task to be performed

Attendance at this seminar qualifies the MIIA member for 2% credit under the FY18 Workers Compensation category.