

# TECHNICAL TRAINING



## Chainsaw Safety and Cutting Techniques



Thursday, April 2, 2020  
Central Fire Station 488 Pleasant St.  
Dracut, MA 01826  
11:45 a.m.-2:45 pm

### PRESENTER

Matt Carruthers  
Lead Instructor

### THIS IS A DEMO ONLY - NO HANDS-ON BY ATTENDEES

Chainsaws are one of the most useful as well as dangerous tools a worker can use. This course is designed to educate personnel who use a chainsaw about safety, maintenance, use and handling. Participants will gain an understanding in what contributes to accidents and how to avoid them. Hands on and practical work planning strategies, including bucking and limbing, understanding compression and tension and dealing with spring poles will be coached and practiced in this course. Notching and back cutting will be introduced for small tree felling (trees of approximately 10 inches in diameter at chest height - 10" dbh). There is a strong focus on personal safety, risk assessment and accident prevention. Training workers and developing skills that reduce variables and mitigate risks associated with chainsaws and cutting techniques is the general theme of this course.]

Applicable Standards: This course meets the ANSI/ASSE Z490.1 Criteria for Accepted Practices in Safety, Health, and Environmental Training as well as OSHA 1910.266 and ANSI Z133 standards for safe chainsaw use.

Tree Felling, Risk Management, Emergency Planning, & PPE

\* Integrated risk assessment, work planning and communication

\* Safety apparel, helmets, eye-wear, foot-wear and hearing protection \* Fire prevention and emergency preparedness

Chainsaw Safety, Starting, & Operations

\* Safety and ergonomic features of the modern chainsaw

\* Three-point contact starting, ground start and leg-lock

\* Chainsaw operation including body and hand positioning and chain brake use \*

Reactive forces and kick-back

### 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:

#### Tree Felling Risk Management, Emergency Planning and PPE

\* Integrated risk assessment, work planning and communication

\* Safety apparel, helmets, eye-wear, foot-wear and hearing protection

\* Fire prevention and emergency preparedness

#### Chainsaw Safety, Starting and Operations

\* Safety and ergonomic features of the modern chainsaw

\* Three-point contact starting, ground start and leg-lock

\* Chainsaw operation including body and hand positioning and chain brake use

\* Reactive forces and kick-back

\* Ergonomics, muscle skeletal disorders (MSD's), and exercises

#### Technical Cutting & Small Tree Felling

\* Systematic work planning

\* Height, hazards, obstacles

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 training services to Tree Care Companies, Municipal, Governmental, Utility, Military, Colleges and other related industries for more than 20 years.

- \* Escape routes and the 5-15-90 rule
- \* Face notches, back cuts and hinge wood
- \* Felling sights and operator positioning

**Limbing and Bucking**

- \* Bucking wedges, cant hooks
- \* Compression, tension and avoiding bar pinch
- \* Limbing and bucking techniques
- \* Spring poles, shave, tab and accordion cuts

**Chainsaw Maintenance**

- \* Fuels and Lubricants
- \* Daily, weekly, monthly maintenance practices
- \* Cutter tooth sharpening, depth gauge filing, files and guides
- \* Air cleaner maintenance and chain tensioning
- \* Guide bar edging, dressing, cleaning and leveling

*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 .5% credit under the FY20 Workers Compensation category.