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TO: Owen Smith, Program and Policy Analyst
Bureau of Apprenticeship Standards
Wisconsin Dept. of Workforce Development

FROM: Mark Garvin, President & CEO
Tree Care Industry Association

DATE: September 12, 2016

REGARDING: TCIA Credentials

Congratulations on the successful first iteration of Wisconsin's Arborist Registered Apprenticeship program. TCIA believes this program can serve as the building block for comprehensive apprenticeship programs in arboriculture around the country.

To that end – and to help make apprenticeship affordable and accessible in Wisconsin – TCIA is willing to offer its certificate safety and training programs to members and nonmembers alike at TCIA member prices. While nonmembers have always been able to access the association's credentials, we would like to offer lower, member prices to the state's registered apprentices regardless of their membership status.

Nonmembers of TCIA are eligible companies or individuals who are not currently members that wish to have access to resources without becoming TCIA Members. Some organizations, such as government entities, students and not-for-profit organizations that are not allowed to become members of TCIA, will also be extended TCIA member prices.

This lowered pricing applies to individuals who are registered apprentices and does not extend to individuals, entities or organizations within nonmember organizations who are not registered apprentices.

If you have any questions, please feel free to contact me or our Director of Workforce Development, Brigitte Orrick.

CC: Brigitte Orrick, Jeff Wilson, August Hoppe

Crosswalk of Competencies

Bureau of Apprenticeship Standards Exhibit A: Work Process

Tree Care Industry Association Credential, Curriculum, and Competencies/Description

Minimum Work Process Description		Industry Recognized Credential	Course Curriculum	Demonstrated Competencies	Cost to Employer
500	<p>Adhere to ANSI and employer safety standards for all work.</p> <p>A. Inspect, maintain and use the appropriate personal protective equipment.</p> <p>B. Inspect, maintain and use the appropriate tool, equipment or vehicle.</p> <p>C. Assess trees for defects and hazards.</p> <p>D. Establish and maintain safe work sites and zones.</p> <p>E. Demonstrate safety practices unique to working aloft.</p>	Tree Care Apprentice	Tree Care Apprentice Manual	Displays a professional image; demonstrates correct stretching and lifting technique; identifies common tree and job site hazards; demonstrates safe and ANSI Z133-compliant practices in assigned tasks; demonstrates appropriate use of PPE	\$ 24.99
200	<p>Identify common trees and shrubs in the employer's region.</p> <p>A. Deciduous</p> <p>B. Evergreen</p>				
400	<p>Perform rigging on the ground and aloft.</p> <p>A. Determine the removal plan.</p> <p>B. Estimate the maximum load weight based on equipment available.</p> <p>C. Install and use a rigging system to lower the load directly to the ground.</p> <p>D. Install and use a rigging system to move the load laterally.</p>	Ground Operations Specialist	Ground Operations Specialist manual	Demonstrates ability to: plan for and respond to emergencies; plan work and conduct a job briefing; conduct a job site hazard inspection; implement appropriate pedestrian and vehicular traffic control measures; inspect and prepare equipment for use; maintain effective communication with workers aloft; tie basic knots; handle lines; properly store, transport, start, operate and maintain chain saw; recognize and avoid common work site hazards; select, use and maintain PPE appropriate for job conditions; properly start, operate, shut down, hook and un-hook brush chipper.	\$ 34.99
1000	<p>Climb trees safely.</p>	Tree Climber Specialist	Tree Climber Specialist	Demonstrates the following: appropriate use of PPE; identification, inspection and use of climbing system	\$ 34.99

- A. Perform a pre-climb inspection of all equipment.
- B. Perform a pre-climb inspection of the tree and site.
- C. Install the climbing line(s) from the ground.
- D. Ascend the tree.
- E. Position to work aloft.
- F. Descend the tree.
- G. Retrieve the rope and equipment from the ground.

manual

components; pre-climb inspection of tree; ability to tie, dress and set climbing knots; development of climbing work plan; installing and isolating throw line; rope installation; safe, efficient tree ascent; identification, fitting and using climbing spurs; proper use of lanyard and climbing rope; proper tie-in procedures including use of a false crotch; safe climbing techniques including limb-walking, double-crotching, re-crotching, redirecting, working on spars and descending; identification and use of rigging equipment; understanding of rigging forces; methods for calculating wood strength and hazard assessment for rigging; ability to tie, dress and set rigging knots; techniques for lowering with control lines only as well as lowering with mechanical lowering devices; identification of electrical hazards, appropriate minimum approach distances and associated hazard avoidance techniques.

800	<p>Operate a chain saw on the ground and aloft, and perform field maintenance.</p> <ul style="list-style-type: none"> A. Safely start and control the chain saw. B. Perform brush cutting. C. Perform felling. D. Perform limbing and bucking. E. Cut wood under tension and compression. F. Perform removal cuts. G. Perform pruning cuts. H. Safely secure and transport the chain saw. I. Perform field maintenance. 	Chain Saw Specialist	Chain Saw Specialist manual	<p>Demonstrates ability to conduct a job site hazard inspection, plan work and respond to emergencies specific to chain saw use; to select, use and maintain appropriate PPE; to properly store chain saw, gas and oil; to prepare chain saw for use and to start it; to move around the job site with the chain saw; to demonstrate appropriate cutting techniques for cutting spring poles, bucking and tree felling; to correctly use chain saw while climbing or operating a lift, if applicable; to recognize and avoid struck-by hazards; and to follow appropriate guidelines for work zones, landing zones and drop zones.</p>	\$ 34.99
300	<p>Operate a chipper.</p> <ul style="list-style-type: none"> A. Prepare brush and wood. 	Chipper Operator	Chipper Operator	<p>Demonstrates ability to select and use PPE appropriate for brush chipper operation; to recognize and avoid struck-</p>	\$ 34.99

	Specialist	Specialist manual	by hazards by respecting the traffic control zone and drop zones on the job site, use correct techniques for dragging, stacking and feeding brush into the chipper; and to follow lockout/tagout procedures for chipper maintenance.
<p>1000 Prune trees and shrubs from the ground and aloft, according to ANSI A300.</p> <p>A. Demonstrate awareness of the three reasons for pruning.</p> <p>B. Determine the pruning objective(s).</p> <p>C. Perform pruning cuts using the appropriate hand tools and pole tools.</p> <p>D. Perform crown thinning.</p> <p>E. Perform crown cleaning.</p> <p>F. Perform crown reduction.</p> <p>G. Perform crown raising.</p> <p>H. Perform structural pruning.</p> <p>I. Perform pruning of shrubs.</p>			
<p>1000 Perform plant health care activities, including using a motorized spray rig.</p> <p>A. Plant trees according to ANSI A300.</p> <p>B. Identify common pests, diseases, and non-infectious disorders in employer's region.</p> <p>C. Perform spray treatments according to employer practices.</p> <p>D. Perform trunk injection treatments.</p> <p>E. Perform soil injection treatments.</p> <p>F. Perform basal trunk & soil excavation</p>	PHC Technician	PHC Technician manual	<p>Demonstrates: ability to provide an environment for trees and plants conducive to a healthy, sustainable landscape; strong communication skills. A PHC technician needs a good foundation in basic plant identification and culture as well as plant pest identification and control to: evaluate the growing environment, monitor the landscape and identify causes of plant stress, and maintain plant performance through proper cultural practices and appropriate treatments.</p> <p style="text-align: right;">\$ 109.99</p>
<p>800 Remove trees and shrubs.</p> <p>A. Remove limbs.</p> <p>B. Remove trunk sections.</p> <p>C. Fell trunks or entire tree.</p> <p>D. Grind stumps.</p>			
<p>560 Local Optional Work Processes</p>			

- A. Operate vehicles with or without trailer.
- B. Operate aerial lifts.
- C. Operate stump grinder.
- D. Participate in responses to storms and emergency situations.
- E. Install tree support and lightning protection systems.

440	Paid Related Instruction	
7000	Total	\$ 274.94

Employee Training Checklist

Employee: _____

Company: _____

Address: _____

Tree Care Apprentice (or equivalent probationary employee status) training checklist:

Fill in date completed. Attach additional paperwork if appropriate.

_____ Review job tasks and responsibilities

_____ Outlined physical demands of the work

_____ Briefing on importance of safety

_____ Instructions on how-to maintain a professional image

_____ Briefing on importance of avoiding substance abuse

_____ Introduction to ANSI Z133.1 safety standards

_____ PPE for tree care operations

_____ How to stretch and lift properly to avoid back injury

_____ How-to Recognize common job hazards (potential slips, trips, and falls, strains and sprains, Struck-by's, chain saw cuts, road hazards, etc.)

_____ Introduction to tree hazards (dead branches, decay, root rot, etc.)

I have reviewed the above information and agree that it is correct:

(employee signature)

(date)

(trainer's signature)

(date)

Ground Operations Specialist Employee Training Qualification Checklist

Employee: _____

Company: _____

Address: _____

Fill in **date** completed. Attach additional paperwork if appropriate.

- | | |
|---|--|
| 1. _____ Preparing equipment for the day | 15. _____ Preparing chain saws for use |
| 2. _____ How to hook up chippers to truck | 16. _____ Walking with chain saws |
| 3. _____ Defensive driving | 17. _____ Chain saw PPE |
| 4. _____ Parking and backing vehicles | 18. _____ Starting chain saws |
| 5. _____ Driving in poor weather,
emergency parking | 19. _____ Cutting spring poles |
| 6. _____ Job site hazard inspection | 20. _____ Correct bucking techniques |
| 7. _____ Traffic control | 21. _____ Correct tree-felling techniques
(notch, backcut, hinge) |
| 8. _____ Work planning | 22. _____ Avoiding struck-by injuries |
| 9. _____ Job briefings | 23. _____ Work-zone, landing-zone, drop-
zone guidelines |
| 10. _____ Emergency preparation,
prevention and response | 24. _____ Lock-out, tag-out |
| 11. _____ Assisting and working with
climbers | 25. _____ How to read/understand safety
decals |
| 12. _____ Line handling (working with
ropes) | 26. _____ Pre-operation check of chippers |
| 13. _____ Basic knots | |
| 14. _____ Storing chain saws, gas and oil | |

I have reviewed the above information and agree that it is correct:

Employee Signature: _____

Date: _____

Trainer's Signature: _____

Date: _____