

ARBORIST

Arborists provide professional tree care. They use rigging to ascent trees. Youth Apprentices plant trees and shrubs inspect trees and shrubs and perform pruning cuts.

Length of Apprenticeship: One or two years

OCCUPATIONAL COMPETENCIES

Youth apprentices work with a job site mentor to demonstrate the following competencies.

Year 1: Youth apprentices must complete a **total of 11** competencies. **Ten** must be from the list below. If necessary, employers can substitute **1** competency with another occupationally appropriate skill. That skill should be added to the competency list for assessment.

Year 2: Youth apprentices must complete a **total of 10** competencies. **Nine** must be from the list below. If necessary, employers can substitute **1** competency with another occupationally appropriate skill. Those skills should be added to the competency list for assessment.

Tool Note: Youth apprentices cannot start or use chainsaws or chippers.

YEAR 1 Competencies YEAR 2 Competencies			YEAR 2 Competencies
1.	Inspect, maintain, and use appropriate	1.	Identify common deciduous trees and shrubs
	personal protective equipment (PPE)	2.	Identify common conifer trees and shrubs
2.	Inspect vehicles and towed units	3.	Identify signs and symptoms of common
3.	Conduct a basic tree inspection		damaging insects/mites
4.	Establish a safe work zone	4.	Identify signs and symptoms of common
5.	Inspect the following equipment in		diseases
	accordance with American National Standard	5.	Use a rigging system to lower the load
	(ANSI Z133) Safety Requirements for		directly to the ground
	Arboricultural Operations	6.	Maneuver through canopy
6.	Install work positioning lines from the ground	7.	Prepare the chainsaw for others to use
7.	Ascend the tree	8.	Perform chainsaw field maintenance
8.	Descend from tree	9.	Demonstrate a natural pruning
9.	Retrieve all gear	10.	Perform pruning of shrubs
10.	Prepare to chip		
11.	Perform pruning cuts		

REGISTERED APPRENTICESHIP BRIDGING OPPORTUNITIES

The following Registered Apprenticeship is available in this area:

• Arborist

POST-SECONDARY PATHWAY OPPORTUNITIES

There are several post-secondary pathway opportunities in this area. The following is a partial list.

- Landscape Horticulture
- Urban Forestry Technician



Arborist Youth Apprenticeship ON-THE-JOB LEARNING PERFORMANCE STANDARDS GUIDE (TO BE COMPLETED BY YA CONSORTIUM)

YOUTH APPRENTICE INFORMATION

Youth Apprentice Name	
YA Coordinator	YA Consortium
School District	High School Graduation Date

REQUIREMENTS

Level One Requirements

Youth apprentices must complete ALL the items listed below. Check completed areas.

Year 1 Competency checklist

Employability Skills checklist (in this OJL Guide) or the DPI Employability Skills Certificate

Related instruction equal to 1 high school credit or at least 3 college credits

Minimum of 450 work hours

Level Two Requirements

Youth apprentices must complete ALL the items listed below. Check completed areas.

- Year 2 Competency checklist
- Employability Skills checklist (in this OJL Guide) or the DPI Employability Skills Certificate
- Related instruction equal to 2 high school credits or at least 6 college credits
- Minimum of 900 work hours

HOURS

Record the hours the youth apprentice worked.

Total Hours Employed	Company Name	Telephone Number

RELATED INSTRUCTION

YEAR 1: Indicate which related instruction courses the youth apprentice completed.

Dual Credit	Course Number and Title	Credits	Instruction Provider

YEAR 2: Indicate which related instruction courses the youth apprentice completed.

Dual Credit	Course Number and Title	Credits	Instruction Provider

SIGNATURES

The On-the-Job Learning Performance Standards Guide includes a list of competencies youth apprentices learn through mentoring and training at the worksite.

Instructions for the Worksite Employers/Mentors and School-Based or YA coordinators: This document should be reviewed with the employer/mentor, school-based or YA coordinator on a regular basis with the youth apprentice to record progress and plan future steps to ensure completion of the required competencies. Mentors, school-based/YA coordinator, and the apprentice sign below.

Employer/Mentor Signature	Employer/Mentor Signature
Employer/Mentor	Employer/Mentor
Business/Company	Business/Company
Date Signed	Date Signed
School-Based and/or YA Coordinator Signature	School-Based and/or YA Coordinator Signature
School-Based and/or YA Coordinator	School-Based and/or YA Coordinator
School District or Organization	School District or Organization
Date Signed	Date Signed
Youth Apprentice Signature	Youth Apprentice Signature
Youth Apprentice	Youth Apprentice
School District / High School	School District / High School
Date Signed	Date Signed

EMPLOYABILITY SKILLS (TO BE COMPLETED BY YA EMPLOYER/MENTOR)

Youth apprentices must demonstrate key employability skills.

The DWD YA program employability skills requirement may be attained and demonstrated through two processes. (See options listed below.) Employability skills must be completed for every year a student is in the program. The DPI Employability Skills Certificate may be counted as meeting one of those two years, provided the certificate is earned in the same year the student is enrolled in youth apprenticeship or they can complete the YA Employability Skills in the OJL. The Employability Skills Certificate must be obtained through the DPI.

 If a student has successfully completed a Wisconsin Department of Public Instruction (DPI) State-Certified Cooperative Education, <u>Co-Op Employability Skill certification</u> then they have met the YA Employability Skills requirement for that year. A copy of the student's DPI Co-Op Employability Skill Certificate must be maintained on file with their YA regional consortium.

Earned Wisconsin Employability Skills Certificate (checked if applicable) or,

2. Completed and rated "Employability Skills" through this YA OJL guide as described below.

3	Exceeds Expectations: Exceeds entry-level criteria; requires minimal supervision; consistently
	displays this behavior
2	Meets Expectations: Meets entry-level criteria; requires some supervision; often displays this
	behavior
1	Working to Meet Expectations: Needs improvement; requires much assistance and supervision;
	rarely displays this behavior

The following skills are required of all youth apprentices.

Employability Skills		Rating	
		n Rating of 2	
Competency and Rating Criteria		Check Ratin	•
	1	2	3
1. Develops positive work relationships with others.		Year 1 Ratin	g
Examples of qualities and habits that the employee might exhibit			
include	•	Year 2 Ratin	g
 Interacts with others with respect and in a non-judgmental manner 			
• Responds to others in an appropriate and non-offensive manner			
Helps co-workers and peers accomplish tasks or goals			
 Applies problem-solving strategies to improve relations with others 			
• When managing others, shows traits such as compassion,			
listening, coaching, team development, and appreciation			

	Employability Skills	Rating	
2.	Communicates effectively with others	Year 1 Ratin	lg
	Examples of qualities and habits that the employee might exhibit		
	include	Year 2 Ratin	Ig
	 Adjusts the communication approach for the target audience, purpose, and situation to maximize impact 		
	 Organizes messages/information in a logical and helpful manner 		
	 Speaks clearly and writes legibly 		
	Models behaviors to show active listening		
	 Applies what was read to actual practice 		
	Asks appropriate questions for clarity		
3.	Collaborates with others	Year 1 Ratin	Ø
5.	Examples of qualities and habits that the employee might exhibit		
	include	Voor 2 Potin	
	• Works effectively in teams with people of diverse backgrounds	Year 2 Ratin	
	regardless of sex, race, ethnicity, nationality, sexuality, religion, political views, and abilities		
	Shares responsibility for collaborative work and decision making		
	• Uses the problem-solving process to work through differences of		
	opinion in a constructive manner to achieve a reasonable		
	compromise		
	 Avoids contributing to an unproductive group conflict Change information and convice out room and initiation in a timely. 		
	Shares information and carries out responsibilities in a timely manner		
	numer		
4.	Maintains composure under pressure	Year 1 Ratin	g
	Examples of qualities and habits that the employee might exhibit		
	include	Year 2 Ratin	
	• Uses critical thinking to determine the best options or outcomes when faced with a challenging situation		
	Carries out assigned duties while under pressure		
	Acts in a respectful, professional, and non-offensive manner		
	while under pressure		
	Applies stress management techniques to cope under pressure		
5.	Demonstrates integrity	Year 1 Ratin	g
	Examples of qualities and habits that the employee might exhibit		
	include	Year 2 Ratin	g
	Carries out responsibilities in an ethical, legal and confidential manner		
	 Responds to situations in a timely manner 		
	Takes personal responsibility to correct problems		
	• Models behaviors that demonstrate self-discipline, reliability,		
	and dependability		
1			
1			
1			

Employability Skills		Rating	
6. Performs quality work	Y	ear 1 Ratin	g
Examples of qualities and habits that the employee might exhibit			
 <i>include</i> Carries out written and verbal directions accurately 	Y	ear 2 Ratin	g
 Completes work efficiently and effectively 			
 Performs calculations accurately 			
Conserves resources, supplies, and materials to minimize costs			
and environmental impact			
 Uses equipment, technology, and work strategies to improve workflow 			
 Applies problem-solving strategies to improve productivity 			
Adheres to worksite regulations and practices			
Maintains an organized work area			
7. Provides quality goods or services (internal and external)	Y	ear 1 Ratin	g
Examples of qualities and habits that the employee might exhibit			
include	Y	ear 2 Ratin	
 Shows support for the organizational goals and principles by own personal actions 			
 Displays a respectful and professional image to customers 			
 Displays an enthusiastic attitude and desire to take care of 			
customer needs			
 Seeks out ways to increase customer satisfaction 			
 Produces goods to workplace specifications 			
8. Shows initiative and self-direction	Y	ear 1 Ratin	g
Examples of qualities and habits that the employee might exhibit			<u> </u>
include		ear 2 Ratin	σ
Prioritizes and carries out responsibilities without being told			
 Responds with enthusiasm and flexibility to handle tasks that need immediate attention 			
 Reflects on any unsatisfactory outcome as an opportunity to learn 			
 Improves personal performance by doing something different or differently 			
Analyzes how own actions impact the overall organization			
Supports own action with sound reasoning and principles			
Balances personal activities to minimize interference with work responsibilities			
responsibilities			
9. Adapts to change	v	ear 1 Ratin	a
9. Adapts to change Examples of qualities and habits that the employee might exhibit			<u>5</u>
include		ear 2 Ratin	<u> </u>
Shows flexibility and willingness to learn new skills for various			<u>5</u>
job roles			
 Uses problem-solving and critical-thinking skills to cope with changing circumstances 			
 Modifies own work behavior based on feedback, unsatisfactory 			
outcomes, efficiency, and effectiveness			
Displays a "can do" attitude			

Employability Skills		Rating	
10. Demonstrates safety and security regulations and practices		Year 1 Ratin	ng
Examples of qualities and habits that the employee might exhibit			
include	,	Year 2 Ratin	ng
Follows personal safety requirements			
Maintains a safe work environment			
Demonstrates professional role in an emergency			
Follows security procedures			
Maintains confidentiality			
11. Applies job-related technology, information, and media		Year 1 Ratin	ng
Examples of qualities and habits that the employee might exhibit include			
 Applies technology effectively in the workplace 		Year 2 Ratin	ng
 Applies technology ellectively in the workplace Assesses and evaluates information on the job 			
 Assesses and evaluates information on the job Assesses training manuals, website, and other media related to 			
the job			
12. Fulfills training or certification requirements for employment		Year 1 Ratin	ng
Examples of this requirement may include			
Participation in required career-related training and/or		Year 2 Ratin	
educational programs			
 Passing certification tests to qualify for licensure and/or 			
certification			
 Participation in company training or orientation 			
13. Sets personal goals for improvement		Year 1 Ratin	ng
Examples of this requirement may include			
Setting goals that are specific and measurable	,	Year 2 Ratin	ng
 Setting work-related goals that align with the organization's 			
mission			
 Identifying strategies to reach goals Deflecting on goal progress to regularly evaluate and modify 			
 Reflecting on goal progress to regularly evaluate and modify goals 			
goals			

YEAR 1 OCCUPATIONAL COMPETENCIES

(TO BE COMPLETED BY YA EMPLOYER/MENTOR)

Youth apprentices must complete **a total of 11 competencies**. **Ten** must be from the list below. If necessary, employers can substitute **1** competency with another occupationally appropriate skill. That skill should be added to the competency list for assessment.

Rating Scale

- 3: Exceeds entry level criteria | Requires minimal supervision | Consistently displays this behavior
- 2: Meets entry level criteria | Requires some supervision | Often displays this behavior
- 1: Needs improvement | Requires much assistance and supervision | Rarely displays this behavior

If any competencies are rated "1" on the final performance review checklist that is submitted to WI DWD it is considered a failed checklist.

	Occupational Competencies		Ratings			
		Minimum Rating of 2 for EACH				
	Competency and Rating Criteria		Check Rating			
		1	2	3		
1.	Inspect, maintain, and use appropriate personal protective equipment (PPE)					
	• eyes					
	• ears					
	• head					
	• face					
	hand					
	• legs					
	• feet					
	high visibility safety apparel					
2.	Inspect vehicles and towed units					
	• check oil levels, tire treads, etc.					
	 perform pre and post trip inspections 					
	 report issues based on employer guidelines 					
	 secure load and equipment 					
	 identify gross vehicle weight rating 					
3.	Conduct a basic tree inspection					
	locate targets					
	locate site factors					
	 identify dead crown and branches 					
	identify tree lean and cavities					
	 identify problems with roots and root collars 					

	Occupational Competencies	Occupational Competencies Ratings		
		Minimum Rating of 2 for EACH		
	Competency and Rating Criteria		Check Ratin	g
		1	2	3
4.	 Establish a safe work zone place cones and signs remove cones and signs follow establish emergency procedures follow established command and response procedures display awareness of the drop zone identify hazards and obstacles 			
5.	 Inspect the following equipment in accordance with American National Standard (ANSI Z133) Safety Requirement for Arboricultural Operations harness work positioning line(s) friction cord/device work positioning lanyard(s) all carabiners, snaps, pulleys, related hardware mechanical ascenders and descenders friction savers handsaw 			
6.	 Install work positioning lines from the ground select a tie in point for ascending the tree demonstrate a proper throw-line toss install a friction saver using a throw line install a work positioning line by attaching it to the throw line install a work positioning line using a throwing knot toss install a work positioning line with a pole pruner/saw and a throwing knot or carabiner 			
7.	 Ascend the tree tie a fiction hitch test the system by weighting it demonstrate the body thrusting technique demonstrate use of alternate lanyard technique 			
8.	 Descend from tree make sure all loose branches (hangers) are out of tree remove all gear that is not retrievable from the ground perform controlled descent 			

Occupational Competencies		Ratings	
	Minimur	n Rating of 2	for EACH
Competency and Rating Criteria	Check Rating		g
	1	2	3
9. Retrieve all gear			
 remove rope(s) and gear in a controlled fashion 			
 coil or bag ropes 			
 store rope(s) and gear in proper location 			
10. Prepare to chip (Youth Apprentices cannot start or			
operate a chipper)			
 position and secure the discharge chute 			
 establish an appropriate area to stage the material 			
 remove hazards and obstacles, place safely away from 			
work zone			
• stack debris in manageable pile; butt ends first, smaller			
materials on top			
11. Perform pruning cuts			\Box
 determine the type of pruning cut needed 			
 perform a branch removal cut 			
 perform a branch reduction cut 			
 perform a heading cut 			
• use a three-cut method to remove the branch weight prior			
to the final cut			
 perform a co-dominant stem pruning cut 			
Competency Substitute (if you replaced a competency above,			
note the competency and rating)			
Comments:			

YEAR 2 OCCUPATIONAL COMPETENCIES

(TO BE COMPLETED BY YA EMPLOYER/MENTOR)

Year two youth apprentices must complete a total of **10 competencies**. **Nine** must be from the list below. If necessary, employers can substitute **1** competency with another occupationally appropriate skill. That skill should be added to the competency list for assessment.

Rating Scale

- 3: Exceeds entry level criteria | Requires minimal supervision | Consistently displays this behavior
- 2: Meets entry level criteria | Requires some supervision | Often displays this behavior
- 1: Needs improvement | Requires much assistance and supervision | Rarely displays this behavior

If any competencies are rated "1" on the final performance review checklist that is submitted to WI DWD it is considered a failed checklist.

	Occupational Competencies		Ratings	
	Competency and Rating Criteria	Minimum Rating of 2 for EACH Check Rating		
		1	2	3
1.	 Identify common deciduous trees and shrubs identify common name identify characteristics of the parts of the trees and shrubs that help identify them 			
2.	 Identify common conifer trees and shrubs identify common name identify characteristics of the parts of the trees and shrubs that help identify them 			
3.	 Identify signs and symptoms of common damaging insects/mites identify signs identify symptoms 			
4.	 Identify signs and symptoms of common diseases identify signs identify symptoms identify common abiotic stresses to trees 			
5.	 Use a rigging system to lower the load directly to the ground tie a rigging attachment knot demonstrate lowering using butt-tie demonstrate lowering using tip-tie demonstrate lowering using balance tie control the load using a tag line utilize a re-direct 			
6.	 Maneuver through canopy re-tie work positioning line at an alternative location install a friction saver perform a double tie maneuver perform a re-direct technique perform a limb walk perform a controlled swing 			
7.	 Prepare the chainsaw for others to use (Youth Apprentices cannot start or operate the chainsaw) identify manufacturers' safety devices inspect and tighten all nuts, bolts, screws or other fasteners fill with appropriate fuel/oil mixture fill with appropriate bar oil demonstrate chain tension adjustment 			

	Occupational Competencies		Ratings	
		Minimum	Rating of 2	for EACH
	Competency and Rating Criteria	(Check Rating	, ,
		1	2	3
8.	Perform chainsaw field maintenance (Youth Apprentices			
	cannot start or operate the chainsaw)			
	 remove the side plate, bar and chain 			
	 clean out debris from bar and chainsaw 			
	clean the air filter			
	 visually inspect for wear and damage 			
	install correct chain			
	• install side plate, adjust chain tension and tighten bar nuts			
9.	Demonstrate a natural pruning			
	perform crown reduction			
	 perform branch reduction 			
	 raise the crown 			
	• remove dead, dying, diseased, and rubbing branches, i.e.			
	crown cleaning			
	• perform a risk-reduction cut for cracked, split, broken,			
	hanging branches			
	 provide clearance from structures 			
10.	Perform pruning of shrubs			
	• perform rejuvenation pruning by heading back branches at or near ground level			
	 perform renewal pruning by performing selective removal 			
	of stems			
	 reduce size of shrub by cutting back to lateral branches 			
	 reduce size of shrub by heading back to lateral buds 			
	Competency Substitute (if you replaced a competency above,			
not	te the competency and rating)			
Comments:				



Post-Program Completion Survey

Youth Apprenticeship

YA POST-PROGRAM COMPLETION SURVEY: EMPLOYER FEEDBACK

Employers complete the following information. YA Coordinators will enter this into the Post-Program Completion Survey.

YA Employer Post-Program Completion Questions				
Will you offer or have you offered the Youth Apprentice a continuing position with your company?	☐ Yes ☐ No			
If continuing position offered to youth apprentice, did they accept?	Yes			
If yes, please answer the questions below:				
Was the offer for full time or part time work?	Full-time Part-time			
Title of the position offered:				
What is the wage of the continuing employment offer?				
If applicable, will the youth apprentice advance to a Registered Apprenticeship?				

YA POST-PROGRAM COMPLETION SURVEY: COMPLETED BY YA CONSORTIUM

The <u>Post-Program Completion Survey</u> form is to be provided to each student completing the Youth Apprenticeship program to capture information on the student's plans after leaving the program. This **form should be completed by the Youth Apprenticeship Coordinator** to capture information from all high school seniors and level two youth apprentices and their employers after successful completion of the Youth Apprenticeship Program.

The form should be completed during the final meeting between the student, mentor, and Youth Apprenticeship Coordinator, when the final checklist or On-the-Job Learning (OJL) Guide is filled out and signed. Information captured on this form must be entered online using the Youth Apprenticeship Online Data Application (YODA) System.

No part of this document may be altered, duplicated, or extracted without written consent from the Wisconsin Department of Workforce Development (DWD).

DWD is an equal opportunity employer and service provider. If you have a disability and need assistance with this information, please dial 7-1-1 for Wisconsin Relay Service. Please contact the Division of Employment and Training at 888-258-9966 and press 6 to request information in an alternate format, including translated to another language.

