



**A.B.C Consulting Arborists LLC**

*Accurate*

*Balanced*

*Certified*

# **Daniel J. Maple C.V.**

Updated

**March 4, 2022**

**PREPARED BY:**

**A.B.C. Consulting Arborists LLC**

Daniel Maple, Consultant

*Registered Consulting Arborist #627*

*Tree & Plant Appraisal Qualified (TPAQ)*

*ISA Municipal Specialist # PN-7970BM*

*ISA Tree Risk Assessment Qualified (TRAQ)*

*ISA Board Certified Master Arborist #PN-7970BM*

Accurate • Balance • Certified

## STATEMENT OF QUALIFICATIONS

Daniel J. Maple is an *ASCA Registered Consulting Arborist, ISA Board Certified Master Arborist, ISA Municipal Specialist, ASCA Tree & Plant Appraisal Qualified (TPAQ), ISA Tree Risk Assessment Qualified (TRAQ), Qualified Tree Farm Inspector, Commercial UAV Airman Pilot, and a Commercial Applicator.*

Mr. Maple has provided ethical, scientifically sound, arboriculture solutions to both the public and private sector since 1987. During this time, Mr. Maple owned and operated a tree service, and was a first responder in several natural disasters that resulted in thousands of tree failures. His investigations into the tree failures and the experience gained, makes him uniquely qualified among his peers, as a risk assessor and risk mitigation planner.

Mr. Maple has used his years of hands-on experience along with his formal education to provide ethical, unbiased, and scientifically based expert witness services for both plaintiffs and defendants across the U.S.

His areas of expertise include risk assessment, forensic investigation, tree & plant appraisals, timber trespass, peer review of reports & methodology, ANSI Standards & BMP's, along with expert witness services, opinions, and litigation support. Please contact him for an honest and timely review of your case.

Mr. Maple has used his years of hands-on experience along with his formal education to advise states, cities, parks, attorneys, developers, managers, HOAs and the private sector, including but not limited to the follow:

- Assess trees at the State Capitol for risk and health
- Assess trees in city and county parks for risk (with management plans / workshops).
- Assess national parks (Utah and Colorado).
- Construction planning for multiple developers,
- Infrastructure damage abatement.
- Reports for permits and permit assistance.
- Forensic investigations, and expert opinion.
- Tree and plant health assessments
- Tree/plant disease and pest management
- Pest/Disease/Vegetation Management (IPM, Pesticides/Herbicides).
- Tree/plant Appraisals; Eminent public domain, Insurance, Trespass, Construction, Bonding.
- Municipal Tree Inventories and Management Plans.

All of us at A.B.C. Consulting Arborists LLC, look forward to working with you.

Sincerely,



Daniel Maple, Consulting Arborist

*Registered Consulting Arborist #627  
Tree & Plant Appraisal Qualified (TPAQ)  
ISA Municipal Specialist # PN-7970BM  
ISA Tree Risk Assessment Qualified (TRAQ)  
ISA Board Certified Master Arborist #PN-7970BM*



## C.V.

Daniel J. Maple / A.B.C. Consulting Arborists, LLC Email: [Daniel@AbcArborist.Com](mailto:Daniel@AbcArborist.Com)  
Westside: (425) 999-0867 Eastside (509) 953-0293 Web: [AbcArborist,Com](http://AbcArborist.Com)

### Certifications

- ASCA Registered Consulting Arborist (RCA) # 627
- ASCA Tree & Plant Appraisal Qualified (TPAQ) December 2024
- ISA Board Certified Master Arborist PN-7970BM
- ISA Certified Arborist Municipal Specialist PN-7970BM
- ISA Tree Risk Assessment Qualified (TRAQ) June 2025
- ATFS Qualified Tree Farm Inspector # 169449
- Commercial Applicator # 92432
- Commercial UAV Airman Pilot (Drone) # 4135495
- Consulting Utility Forester Safety Professional (CUFSP)

### Director of Operations

A.B.C Consulting Arborists LLC Spokane WA. USA - April 2015 – Present

- Consultations
- Forensic Investigation
- Tree/Plant Appraisals
- Disease/Pest Management.
- Municipal Tree Inventories
- Construction Management
- Level 1 thru Level 3 Tree Risk Assessments and Mitigation.
- Stay updated on local codes ensure proper permitting for projects.
- Write & implement site specific safety plans and traffic control plans
- Urban forest/ Native Growth Management Plans for the public and private sector.
- Provide information/Handouts and Host Community Workshops.

### Field Operations Manager

COMBINED CUTTING CONTRACTORS INC - MAPLEVALLEY, WA, USA - June 2008 to May 2015

- Sales/ Consultations
- Tree/Plant Appraisals
- Disease/Pest Management.
- Municipal Tree Inventories
- Construction Management
- Arborist reports and Risk assessments
- Oversee the scheduling and daily operation of 2 crews.
- Stay updated on local codes ensure proper permitting for projects.
- Write & implement site specific safety plans and traffic control plans
- Urban forest/ Native Growth Management for the public and private sector.

### Owner Operated

Maple's Tree Specialist - Maple Valley, WA - 1987 to June 2008

- Sales/Consulting
- Pre-job safety meeting
- Tree/Plant Valuations
- Disease/Pest Management.
- Construction Management
- Arborist reports and Risk assessments
- First responder in natural disasters.
- All daily operations for a Tree Service.
- Write and implement job specific safety plans.
- Write and implement traffic/pedestrian control plans.
- Schedule work and manage two 5 man cutting crews.
- Permitting projects and ensure compliance with applicable city/ county codes.
- Advisory to cities, golf courses, property management for urban forestry and wet lands management plans

## Daniel J. Maple, Consultant

<b>EDUCATION</b>	ASCA Academy WSU Horticulture
<b>CERTIFICATIONS QUALIFICATIONS</b>	ASCA Registered Consulting Arborist # 627 ASCA Tree & Plant Appraisal Qualified (TPAQ) ISA Board Certified Master Arborist # PN-7970BM ISA Certified Arborist Municipal Specialist # PN-7970BM ISA Tree Risk Assessment Qualified (TRAQ) ATFS Qualified Tree Farm Inspector #169449 Commercial Applicator License # 92432 Commercial UAV Airman Pilot # 4135495 Consulting Utility Forester Safety Professional (CUFSP)
<b>MEMBERSHIPS</b>	Arboriculture Research and Education Academy American Society of Consulting Arborists International Society of Arboriculture Society of Commercial Arboriculture Society of Municipal Arborists Utility Arborist Association National Association of Landscape Professionals Washington Association of Landscape Professionals
<b>EXPERIENCE</b>	<p>Mr. Maple has over 30 years of experience working in arboriculture and urban forestry. As a first responder in several historic weather events, he has become a leading expert in risk assessment and risk abatement planning. He is a Registered Consulting Arborist, ISA Board Certified Master Arborist, ISA Certified Arborist Municipal Specialist and ISA Tree Risk Assessment Qualified. He is a member of ASCA and has experience consulting on a wide variety of arboricultural issues, including, but not limited to:</p> <ul style="list-style-type: none"> <li>• Tree Valuation</li> <li>• Casualty Appraisals</li> <li>• Forensic Investigations</li> <li>• Municipal Tree Inventories</li> <li>• Tree Risk Abatement Planning</li> <li>• Insect and Disease Identification</li> <li>• Municipal Tree Risk Assessments</li> <li>• Expert Opinion and Litigation Support</li> <li>• Diagnosis of Tree and Landscape Problems</li> <li>• Integrated Pest Management and Plant Health Care</li> <li>• Tree Preservation and Retention During Construction</li> <li>• Tree Risk Assessment and Hazard Tree Identification</li> <li>• Tree Management on Critical Slopes and Sensitive Areas</li> </ul>

## Formal Education Classes (595 CEU's)

Course Date	Title: Legal	Credits
Mar 03, 2016	Trees and the Law	3.0
Feb 22, 2017	Forensics in Arboriculture	3.5
Feb 23, 2017	Documenting Evidence, Practical Guidance for Arborists	4.0
Dec 01, 2017	Expert Testimony- Tips from the Bench	1.0
Dec 02, 2017	Being an Expert in a Lawsuit: What does a Lawyer Want from You?	1.0
Dec 01, 2017	Case Capsules	.5
Dec 02, 2017	Case Capsules	.5
Nov 30, 2018	Two Judges' Perspective on Expert Witness	1
Nov 30, 2018	Mock Deposition	1
Dec 01, 2017	The Power of Storytelling	1.0
Dec 01, 2017	Contracts / Report Writing	2.0
Dec 01, 2017	Being an Expert in a Lawsuit: What Does the Lawyer Want from You?	1.0
Dec 02, 2017	Expert Testimony - Tips from the Bench	1.0
Dec 02, 2017	Case Capsules - James Komen and David Hunter	.5
Nov 29, 2018	Consulting Ethics: Three Real World Scenarios	1.5
Nov 30, 2018	The Art of Connecting Across Differences	1.5
Nov 30, 2018	Two Judges' Perspectives on Expert Witnesses	1.0
Nov 30, 2018	Mock Deposition	1.0
Nov 29, 2018	Ulsh vs. Sierra Pacific Lumber & Hartman vs. Hartman/Thune Trail Cherry Failure	1.25
Jan 04, 2018	Urban Trees & The Law: The Arborist's Perspective	1.0
March 5-6 2019	Seak- How to Start, Build & Run a Successful Expert Witness Practice	14
March 7-8, 2019	Advanced Testifying Skills for Experts, The Master's Program	14
Dec 9, 2019	Bietner v. Zuckerman and Oregon City v Lindquist et al	1.0
Dec 10, 2019	Judges' and Juror' Expectations on Expert Testimony	1.0
Dec 10, 2019	Video Conferencing	.50
Dec 10, 2019	Deposition Adrienne L Baumgartner, J.D	1.0
Dec 10, 2019	The Ethical Expert in a digital Era	1.0
Dec 2 - 4 2020	How to be an Effective Witness	14
	<b>Total</b>	<b>74.75</b>
	<b>Appraisal</b>	
March 6 & 7, 2018	Basic Tree Appraisal / Advanced Tree Appraisal	12
	Technical Aspects of Tree Appraisal: Assessing Condition and Location	1.0
	Technical Aspects of Tree Appraisal: Assessing Size and Species	1.0
	Technical Aspects of Tree Appraisal: Summary and the Future	1.0
	Technical Aspects of Tree Appraisal: Overview and Concepts	1.0
Nov 29, 2017	10 <sup>th</sup> Edition of the Guide for Tree and Plant Appraisal Workshop	5.5
Nov 30, 2017	10 <sup>th</sup> Edition of the Guide for Tree and Plant Appraisal	1.0
Dec 01, 2018	The Condition Factor	1.50
Dec 6 - 7 2019	Tree and Plant Appraisal Qualification	12.50
Dec 10, 2019	Roundtable; Appraisal Discussions	1.0
Dec 11, 2019	Understanding the Appraisal Problem	1.25
March 12, & Dec 14	What's my tree worth / What's My Tree Worth? Tree Appraisal Case Studies	2
Sept 30, 2020	The Linear Index of Tree Appraisal	1
Oct 13, 2020	Measuring Multi-stem Trees	1
	<b>Total</b>	<b>42.75</b>

<b>Date</b>	<b>TITLE: Risk Assessment</b>	<b>Credits</b>
May 29, 2015	Tree Risk Assessment Qualification (TRAQ) Course	14.50
Jul 26, 2016	Advanced Tree Risk Assessment Principles and Practices	6.0
Nov 07, 2016	Tree Risk Assessment & Tree Protection: Weights and Balances	2.0
Apr 13, 2017	Tree Risk Assessment - Perceptions, Reality and Reliability	1.0
Nov 14, 2016	Tree Risk Assessment: A Foundation	2.0
Nov 29, 2016	Biology- Tree Failure Risk Evaluations	.50
Dec 01, 2017	Tree Response to Storm Damage	1.5
Nov 18, 2016	Tree Risk-Strategies for Preserving Heritage Trees	.50
Nov 18, 2016	Tree Risk-Visual Inspection Prior to Dismantling	.50
Nov 18, 2016	Tree Risk-Mitigation and Reporting	1.0
Nov 18, 2016	Tree Risk-Indicators of Decay in Urban Trees	.75
Nov 18, 2016	Tree Risk-Tree Anchorage: Root Plate Resistance to Failure	.75
Nov 18, 2016	Tree Risk-Sap Rot: It Will Let You Down	1.0
Nov 17,2016	Tree Risk-Structural Defects and Conditions	1.5
Nov 16, 2016	Tree Risk-Tree Load: Concept	1.0
Nov 16, 2016	Tree Risk-Loads and Growth Response	1.0
Nov 16, 2016	Tree Risk-Levels of Tree Risk Assessment	2.0
Nov 16, 2016	Tree Risk-Qualitive Tree Risk Assessment	2.0
Dec 01, 2016	Biology-How Wind Affects Trees	1.0
Dec 01, 2016	Biology- Blowing in the Wind	1.0
Jul 28, 2016	Developing Field Assessment Skills for Common PNW Tree Diseases	6.0
Nov 3, 2016	Tree Science- Identifying Wood Decay & Wood Decay Fungi in Urban Forest	1.0
Jun 15,16, 2016	Forest Health: ID and Management of Forest Insects & Diseases: Part 1 & 2	10.0
Mar 11, 2016	Windstorm Workshop	6.0
Nov 14, 2016	Tree Risk Assessment: A Foundation	2.0
Dec 01, 2017	Tree Response to Storm Damage	1.5
Nov 28, 2018	Strategies for Detection and Identification of Decay in Mature Trees	.75
Nov 29, 2018	Tree Risk Assessments Within a Risk Management Context: A Primer for Consulting Arborists	1.50
Nov 30, 2018	Technical Track-The Results of the Recent Decay/Failure Study	1.0
Dec 01, 2018	Two Approaches to Risk Assessment	1.0
Dec 05, 2018	After the Storm: A Symposium	6.0
Apr 03, 2019	Preserving Veteran Trees	6.0
Jun 26, 2019	Using Technology to Mitigate Risk	1.0
Jul 03, 2019	TRAQ Renewal	5.0
Dec 10, 2019	Applying the Morphophysiological Approach to Tree Stability Assessment	1.25
Dec 4, 2020	Tree Risk Assessment – an Alternate Perspective	1
September 2020	BMP Utility Tree Risk Assessment	1
2020,	Tree Biomechanics Responses to Wind & Gravity / Tree Biomechanics: Why We Should Care	2
May 25, 2021	Storm recovery Preparedness / Damage Prevention & Disaster Planning	1
March / April 2021	Determining the Extent of Fire Damage & Impacts of Fire on tree Structure	2
Sept 2020	New Approach to Quantify Growth Response	1
	<b>Total</b>	<b>99.50</b>
	<b>Tree Inventories</b>	
Nov 7-8, 2016	Urban Forestry-Tree Inventories Part 1 and Part 2	2.0
Dec 01, 2017	I-Tree Tools for Consulting Arborists	1.0
Oct 27, 2016	The State Agency Perspective, Statewide Tree Inventory Applications	1.0
Nov 02, 2016	Tree Plotter Goes Offline & Tech Talk	1.0
Mar 01, 2017	Using ISA TRAQ in Tree Inventory Software	1.0
May 24,2017	Tree Plotter, Parks Plotter & Work Order Management	1.0
Aug 30, 2017	State Agencies Integrate Tree Plotter into Everyday Workflow	1.0
Feb 27, 2018	Increase the Value of Plan-It Geo's Software Subscriptions: What's New	1.0
Aug 08, 2018	Waugh Arboretum of UMass Amherst: A Case Study of a Campus Tree Inventory Webinar	1.0
Dec 05, 2018	Introduction to GIS Applications in Urban Forestry - Dr. Forrest Bowlick University Massachusetts	1.0
May 11, 2021	Lidar based urban tree inventory	1
	<b>Total</b>	<b>12.0</b>

<b>Date</b>	<b>Title: Municipal &amp; Construction Planning</b>	<b>Credits</b>
Nov-Dec 2016	Municipal Arboriculture and Urban Forestry	CERT
Nov-Dec 2016	Planning the Urban Forest	CERT
Nov-Dec 2016	Assessing and Quantifying the Urban Forest	CERT
Nov-Dec 2016	Maintaining the Urban Forest	CERT
Nov-Dec 2016	Protecting the Urban Forest	CERT
Nov-Dec 2016	Administrative Duties of the Municipal Arborist	CERT
Oct 26, 2016	Municipal, Campus & Citizen Forester Programs, Lessons from the Field	1.0
Mar 25, 2016	Tree Selection	2.75
Nov 07, 2017	Introduction to Urban Forestry Online Course	3.0
Nov 28, 2016	Tree Selection & Planting- Girdling Root Formation in Landscape Trees	.50
Nov 30, 2017	Native vs. Nonnative Trees: Comparative Impacts	1.0
Nov 28, 2016	Tree Selection & Planting- Siting, Selecting & Planting Problems	.50
Nov 28, 2016	Tree Selection & Planting- Tree Trunk Protection	1.0
Nov 28, 2016	Tree Selection & Planting- Post-Planting Maintenance of Trees & Shrubs	1.0
Nov 19, 2016	Tree Selection & Planting- Dendrology & Taxonomy	1.0
Nov 19, 2016	Tree Selection & Planting- Tree Transplanting & Establishment	1.0
Nov 19, 2016	Tree Selection & Planting- Tree Planting	.50
Nov 19, 2016	Tree Selection & Planting- Right Tree, Right Location	1.0
Nov 19, 2016	Tree Selection & Planting- Ten Keys to Plant and Site Selection	1.0
Nov 19, 2016	Tree Selection & Planting- Ten Keys to Plant and Site Selection	1.0
Nov 19, 2016	Tree Selection & Planting- A Plant By Any Other Name	1.0
Dec 01, 2017	Trees, Water, and Health: Green Infrastructure Co-Design for Co-Benefits	1.5
Nov 01, 2017	Work Order Management	1.0
Nov 30, 2017	Native vs. Nonnative Trees: Comparative Impacts on Landscape Biodiversity	1.0
Dec 01, 2017	Trees, Water and Health: Green Infrastructure Co-Design for Co-Benefits	1.50
Dec 13, 2017	Tree Selection for the 21st Century	1.25
Mar 01, 2018	Work Order Management Tools and Case Studies	1,0
Feb 28, 2018	Inventory and Manage Your Urban Forest on a Budget	1.0
Mar 01, 2018	Take your Operations to the Next Level: Work Order management Tools	1.0
Nov 29, 2018	Tree Selection: Factors to Consider in an Era of Global Climate Change, Droughts, and Increasing Diversity	1.0
Nov 29, 2018	Landscaping in the Wildland-Urban Interface: The Good, the Bad, and the Downright Deadly	1.0
Apr 28, 2019	UAA Webinar - LiDAR How to Target Compatible Technologies for Effective Solutions	1.0
Feb 05, 2019	The Salt Dilemma Growing Better Urban Trees in Northern Climates	1.0
Mar 12, 2019	Designing and Promoting Municipal Urban Forestry Contracts	1.0
Feb 07, 2018	From Seed to Shade: Managing a Municipal Nursery	1.0
Nov 15, 2018	Changing Urban Tree Canopy Cover in the United States	1.0
Jun 14, 2018	Can We Enhance the Urban Environment with Non-native Trees & Shrubs?	1.0
May 03, 2018	All those trees we plant, how are they doing? Urban tree survival	1.0
	Urban Tree Canopy Assessments Why Do It What to Do; Technology Involved	1.0
Feb 20, 2019	Planning Short course February 20- April 17 2019	9.50
Jan18/Feb 09,19	Family Foresters Workshop / Forest Owners Winter School	10.25
Sep 10, 2019	The Landscape Architect in the Nursery - Tagging Trees and Enforcing Specifications	1.0
Dec 8, 2019	Audubon Park Tree Management & Field Rotations	7.5
Dec 9, 2019	Riverland Preservation Project	.5
Dec 9, 2019	Tahoe Basin Tree Evaluations and Management Plan, Part 1 & Part 2	.75
Dec 9, 2019	Sustainable Urban Forest Management	1.75
Dec 9, 2019	Scientific-Based Guidance; Right Tree/ Right Site & Function Growing Climate-Resilient City + Q&A	3.50
Dec 10, 2019	Creating Connections with Landscape Architects	.50
Dec 10, 2019	Water to the Trees - The Changing Role of Trees in Water-Sensitive Urban Design	1.50
March 2020	Roots, Trees & The Urban Environments / Roots, Trees & The Urban Environments: continued	2
March 31, 2020,	Tree Diversity and Exotic Pests: the 5% Solution	1
March 2020	Tree Protection During Construction: What You Don't Know Can Hurt (Part 1 & 2)	2
March 2020	UAS & Urban Forestry: Intro	1
Feb 7, 2020,	Planting Spec.'s & Details	1
Feb, 7, 2020	Designing Sites to Fit Desirable Trees	1
	<b>Total</b>	<b>80.25</b>

<b>Date</b>	<b>TITLE: Tree Health Care</b>	<b>Credits</b>
Dec 04, 2016	Resource Allocation Trade-Off	1.0
Dec 02, 2016	Biology- Allelopathy in Trees	1.0
Nov 29, 2016	Biology- Flow in the Phloem	1.0
Nov 28, 2016	Biology- Basic Woody Plant Biology	1.0
Nov 28, 2016	Biology-Tree Physiology	.50
Dec 01, 2016	Biology-Fantasy, Facts, and Fall Color	1.0
Dec 01, 2016	Biology- Regulating Tree Growth: Keeping the Green Side Up	1.0
Nov 29, 2016	Biology-Tree Growth Rings: Formation & Form	1.0
Dec 05, 2016	Plant Health Care- Root System Care	1.0
Jan 04, 2017	Understanding Tree Responses to Stress Complexes	1.0
Dec 30, 2016	Flood-Damaged Trees	1.0
Dec 02, 2016	Plant Health Care- Trees Vs. Turf	1.0
Dec 02, 2016	Plant Health Care- Maintaining Tree & Turf Associations	1.0
Jan 04, 2017	Bark Traits are Important to Tree health and Survival	1.0
Mar 09, 2017	Trees and Woody Landscape Plants	3.0
Mar 29, 2017	How to Build a Production Team for Plant Health Care Delivery	1.0
Jan 27, 2017	First Detector Training	3.5
Jan 04, 2017	Bark Beetles: ID and Management	2.0
Dec 05, 2016	Plant Health Care- Mulch Part 1	1.0
Dec 08, 2016	Plant Health Care- Mulch Part 2	1.0
Dec 04, 2016	Plant Health Care- PHC	.50
Jan 02, 2017	Soil Nitrogen: The Agony & The Ecstasy	1.0
Jan 02, 2017	Trees & Their Environment- Soil Properties: Part 1	1.0
Jan 02, 2017	Trees & Their Environment- Soil Properties: Part 2	1.0
Dec 30, 2016	Trees & Their Environment- Fertilizing Trees & Shrubs Part 1	1.0
Jan 02, 2017	Trees & Their Environment- Fertilizing Trees & Shrubs Part 2	1.0
Jan 19, 2017	Soil Science	3.0
Jan 19, 2017	Soil Amendments and Transplant Survival	1.0
Dec 30, 2016	Trees & Their Environment- Analyze Before You Fertilize	.50
Dec 30, 2016	Trees & Their Environment- Flood-Damaged Trees	1.0
Dec 29, 2016	Trees & Their Environment- Slow or Controlled-Release Fertilizers	.50
Dec 29, 2016	Trees & Their Environment- Back to Basics: Tree Fertilization	1.0
Dec 02, 2017	In-Field Soil Assessment for Urban Trees	1.0
Jan 02, 2017	Soil Nitrogen: The Agony & The Ecstasy	1.0
Nov 30, 2017	An Armchair Journey of Conifer History and Success	1.0
Nov 30, 2017	Branch Unions: A Unique Design	1.5
Dec 02, 2017	In-Field Soil Assessment for Urban Trees	1.0
May 25, 2018	Tree Growth & Development: What Arborists Need to Know	6.0
Nov 28, 2018	Conservation Arboriculture: Caring for Mature Trees	.75
Nov 29, 2018	What a Warming World Means for Plants, Pests, and Their Natural Enemies	1.5
Nov 28, 2018	Mature Trees, Mature Soils	.75
Nov 28, 2018	Too Much Water, Too Little Water? The Impact on Mature Trees	.75
Nov 28, 2018	Field Station Rotations - Balboa Park	3.0
Mar 22, 2019	Spring 2019 Helping Trees Thrive Community Canopy Workshop AM-PM Session	5.0
Oct 04, 2018	The Science of Fall Leaf Color Change in Trees	1.0
Jun 07, 2019	Online Seminar: Living Mulch	.50
Sep 12, 2019	Tree Growth & Development in a Changing Climate	1.0
Dec 11, 2019	Tree Survival; Two Hurricanes Wind and Water Recovery After Gustav and Katrina	1.0
Feb 13, 2020	Science of Sap Flow	1.0
	<b>Total</b>	<b>65.25</b>



<b>Course Date</b>	<b>Title: Tree Maintenance/Safe Practices</b>	<b>Credits</b>
Jan 03, 2017	Introduction to The Art and Science of Practical Rigging	1.0
Jan 03, 2017	Innovations in Climbing Techniques and Equipment	1.0
Jan 03, 2017	Understanding Mechanical Advantage	1.0
Jan 03, 2017	Engineering Concepts for Arborists	1.0
Jan 03, 2017	Felling Techniques	1.0
Jan 03, 2017	Trees & Lightning	1.0
Jan 03, 2017	Cabling & Bracing	1.0
Jan 03, 2017	Pollarding: What Was Old Is New Again	1.0
Jan 03, 2017	Tree Removals	1.0
Jan 03, 2017	Basic Chain Saw Maintenance	1.0
Jan 03, 2017	Chain Saw Cutting Techniques	1.0
Jan 03, 2017	Engineering Concepts for Arborists	1.0
Dec 27, 2016	Why Utilities "V-Out" Trees	1.0
Dec 16, 2016	Tree Maintenance- Pruning Trees Part 1: Principles, Objectives & Pruning Types	1.0
Dec 16, 2016	Tree Maintenance- Pruning Trees Part 2: How, Where and How Much	1.0
Dec 16, 2016	Tree Maintenance- Training Young Trees for Structure & Form	1.5
March 2020	Pruning Update	1
March 2020	The Science & Practice of Cabling & Bracing	1
	<b>Total</b>	<b>18.5</b>
	<b>Diagnosis and Treatment</b>	
Dec 29, 2016	Using Biological and Biorational Controls	1.0
Dec 29, 2016	Understanding & Diagnosing Scale Insects on Woody Plants	1.0
Dec 29, 2016	How Weather Influences Insect & Mite Populations	1.0
Dec 28, 2016	Diagnosing Abiotic Disorders	1.0
Dec 28, 2016	Understanding Tree Responses to Abiotic and Biotic Influences	1.0
Dec 28, 2016	Diagnosing Disease Problems on Trees	.50
Dec 27, 2016	Be A Better Plant Diagnostician	2.0
Dec 27, 2016	Surefire Rules of Diagnosis	1.0
Dec 27, 2016	PHC and the Diagnostic Process	.50
April 13,2017	Managing Soft Scale Insects on Landscape Plants	1.0
Jan 27, 2017	First Detector Training	1.75
Feb 15, 2018	WSU Urban IPM & Pesticide Safety	3.5
Feb 16, 2018	WSU Urban IPM & Pesticide Safety	3.50
Apr 13, 2017	Managing Soft Scale Insects on Landscape Plants	1.0
Feb 28, 2018	Bartlett Client Seminar Spokane	4.25
Nov 28, 2018	Bringing Pests to Life Under the Microscope	.75
Nov 30, 2018	How Attempts to Control Insect Invasions and Outbreaks Disrupt Urban Forest Ecosystems	1.0
Feb 01, 2019	Drought & Secondary Bark Beetles/ Staking & Mulching Trees/General Sessions	6.5
May 01, 2019	Using Cambistat to Preserve Our Legacy Trees	1.0
Apr 29, 2019	The Science Behind Transect	.5
May 08, 2019	Dutch Elm Disease Management	1.0
Jun 05, 2019	Spotted Lanternfly Webinar	1.0
Apr 11, 2019	Planning for the Urban Landscape Pests of 2019	1.0
Sep 13, 2018	Emerald Ash Borer Update	1.0
Apr 05, 2018	Planning Ahead for the Urban Landscape Pests of 2018	1.0
Jun 14, 2019	Tree Injection Best Practices	1.0
Jun 20, 2019	The Medical Chart for Tree Doctors Building Long Term Customer Loyalty	1.0
Jun 26, 2019	EAB Webinar Presenter Rich Cartier	1.0
Jun 27, 2019	Introducing Mectinito into your PHC Toolkit Webinar	1.0
2020	6 webinars disease/pest id & management	6
2021	13 webinars disease/pest id & management	13
Feb. 9, 2022	New Insights on the epidemiology of a phytoplasma disease that effects urban trees in Bogota	1
	<b>Total</b>	<b>62.75</b>

<b>Date</b>	<b>Class/courses</b>	<b>Credits</b>
Jan-April 2107	<b>WSU Horticultural Series</b>	15
Feb. -March 2020	<b>Tree Tenders Workshops 1-7</b>	7
June 30, 2021	<b>Summer Tree Summit</b>	2
Feb 19, 2020,	<b>Bartlett Seminar</b>	4
May 2021	<b>ATFS Inspector Update Training</b>	3.5
2020-2022	<b>Misc. courses</b>	9
	<b>Total</b>	<b>40.5</b>
	<b>American Society of Consulting Arborists (ASCA) Academy</b>	
April 12, 2017	Understanding Professional Service Contracts	1.0
April 12, 2017	Calculating Expenses to Manage Budgets and Determine Structure	1.0
April 12, 2017	Consulting Arborist Insurance Needs	1.0
Feb 23, 2017	The Consultant's Role in Contentious Situations	3.5
Feb 23, 2017	Report Writing	4.0
Feb 22, 2017	Professional Practice Guidelines for Consulting Arborists	3.5
Feb 22, 2017	Forensics	3.5
Nov 30, 2017	An Armchair Journey of Conifer History and Success	1.0
Dec 01, 2017	Report Writing / Contracts	4 / 1
	<b>Total</b>	<b>23.5</b>
	<b>Habitat/Environment</b>	
Oct 06, 2016	Creating Wildlife Habitat Trees	7.0
Nov 04, 2017	Urban Forestry - The Benefit of Trees	1.0
Nov 15, 2017	Vegetation and Storm Water Runoff	1.0
Nov 04, 2016	Tree Science- How Critters use Bark & Wood as Food	1.0
March 25, 016	Landscapes Restoration and Low Impact Development for Better Water Quality	2.25
Nov 28, 2018	Wildlife Management: Conserving Wildlife and Meeting Wildlife Protection Laws	.75
Dec 10, 2019	Development of Biochar from Urban Forest Wood Waste / Enhancing Urban Soil / Tree Growth	1.0
	<b>Total</b>	<b>14.0</b>
	<b>Safety</b>	
Dec, 2016	First Aid CPR AED	1.0
Jun 06, 2019	First Aid CPR AED	4.0
April 2021	First Aid CPR AED	4.0
Nov 01, 2016	Tree Worker Safety Practices	2.0
Jan 03, 2017	Safe Work Practices-Tree Removals	1.0
Aug 07, 2019	ANSI Standards	1.0
Nov. 18, 2020	Z133 online Course	1
December 2020	Consulting Utility Forester Safety Professional (CUFSP)	40
December 1, 2020	ANSI Z133 Safety Standards & Procedures	6.5
Feb 17, 2021	Successful Safety Culture – Keep it Simple	1
	<b>Total</b>	<b>61.5</b>