



Tree Tenders Volunteer Training Agenda

Fall 2017

- Location:** Clarkson Community Centre, 2475 Truscott Dr, Mississauga, ON, L5J 2B5 ([MAP](#))
- Cost:** \$80 +HST with ISA Citizen Arborist Manual
Payment cannot be refunded or deferred to future classes. Payment is non-transferable.
- To Register:** Visit <http://www.yourleaf.org/tree-tenders-volunteer-training>
- Course Facilitator:** Tooba Shakeel, Education & Outreach Coordinator, LEAF
tooba@yourleaf.org, 416-413-9244 x 13
- Instructors:** See last page for instructor biographies.
- Accessibility:** Building is fully accessible. Outdoor components of course will involve walking in the park on relatively smooth but unpaved ground and on sidewalks throughout the neighborhood. Last day/Day 4 of the course will include walking on unpaved surfaces, using hand tools such as shovel and working in near-by natural area to plant trees and take part in stewardship activities.

Day 1: Tuesday September 19th, 2017 6:00PM – 9:00PM

- Location:** MARGARET MARLAND ROOM, Clarkson Community Centre
- Instructors:** **Jackie Hamilton**, Coordinator, Research & Knowledge Management, ISA Certified Arborist, TRCA & GIO
Tooba Shakeel, Education & Outreach Coordinator, ISA Certified Arborist, LEAF

Format: Lecture and group discussion

6:00 – 6:15	<u>Introductions</u> Goals of the course Participant introductions	6:30 – 7:45	<u>Tree Biology</u> Biological functions Tree parts
6:15 – 6:30	<u>The Urban Forest</u> What is the Urban Forest? Benefits of trees Overview of urban forest issues	7:45 – 8:00	BREAK
		8:00 – 9:00	Tree growth Compartmentalization
	<i>Readings: Citizen Arborist, Ch 1</i>		<i>Readings: Citizen Arborist, Ch 3</i>



Local Enhancement & Appreciation of Forests

Improving city life one tree at a time

Day 2: Saturday September 23rd, 2017 10:00AM – 4:00PM

Location: MARGARET MARLAND ROOM, Clarkson Community Centre
Instructors: **Alex Satel**, Consulting Arborist, Urban Forest Innovations
Brenna Anstett, Field Operations Coordinator, Residential Planting Programs, LEAF

Format: Lecture, outdoor walk & learn, discussion, and small group activity

10:00 – 11:00	<u>Tree Identification</u> Basic classifications Identifying trees by features Identifying trees by site/habitat <i>Readings: Citizen Arborist, Ch 2</i>	1:15 – 2:15	<u>Soils</u> Physical, biological, chemical properties Nutrient cycling Soils and micro-organisms <i>Readings: Citizen Arborist, Ch 4</i>
11:00 – 12:00	<u>Tree ID Outdoor walk & learn</u> Simple tips and tricks to identifying common trees	2:15 – 3:15	<u>Tree Stresses and Management</u> Types of tree stress Symptoms and signs of tree decline. Stress Prevention <i>Reading: Citizen Arborist, Ch 10</i>
12:00 – 12:45	Exercise: Using a tree guide to identify species		
12:45 – 1:15	LUNCH BREAK	3:15 – 4:00	Tree Stresses Outdoor Walk & Learn

Day 3: Tuesday, September 26th, 6:00PM – 9:00PM

Location: MULTIPURPOSE ROOM (LIBRARY), Clarkson Community Centre
Instructors: **Andrew Puchalski**, Forestry Inspector, City of Mississauga
Tooba Shakeel, Education & Outreach Coordinator, LEAF

Format: Lecture and group discussion

6:00 – 7:30	<u>City of Mississauga Tree-Related By-Laws and Policies</u> Tree by-laws and policies Tree protection Public vs. private trees Dead and hazardous trees <i>Readings: Citizen Arborist, Ch 11</i>	7:45 – 9:00	<u>Tree Selection, Planting, and Care</u> The right tree in the right place Site assessment and preparation When to plant Care of young trees <i>Readings: Citizen Arborist, Ch 5, 6, 7 and 12</i>
7:30 – 7:45	BREAK		



Local Enhancement & Appreciation of Forests

Improving city life one tree at a time

Day 4: Saturday September 30th, 2017 10:00AM – 1:00PM

Location: MARGARET MARLAND ROOM, Clarkson Community Centre

Instructors: **Tooba Shakeel**, Education & Outreach Coordinator, ISA Certified Arborist, LEAF
City of Mississauga Staff

Format: Lecture and group discussion, tree planting and stewardship

10:00 – 10:45 **Stewardship in the City**
Need for citizen stewards
Actions you can take
Volunteer opportunities
Building an urban forest
community

Readings: Citizen Arborist, Ch 8 & 9

10:45 – 11:00 BREAK & Walk to planting site

11:00 – 12:45 **Group Tree Planting and Stewardship**
Learn how to plant and mulch trees from experts
Contribute to local restoration and naturalization efforts by taking part in group planting and stewardship session
Opportunity to network with others

12:45 – 1:00 Conclusion and Evaluation

NOTE: For Day 4, please wear long pants and close-toed shoes (no sandals!) and bring sunscreen, sunglasses, hat, and water. Please dress for weather as this event is rain or shine. Light refreshments will be provided



Instructor Biographies

Andrew Puchalski



Forestry Inspector, City of Mississauga

Andrew is an ISA certified arborist and holds a Master of Forest Conservation (MFC) degree, Master of Management of Innovation (MMI) and Hon. Bachelors of Science degree from the University of Toronto. Andrew joined the City of Mississauga Forestry department in 2016, and was involved in the emerald ash borer treatment program. As a Forestry Inspector, Andrew is responsible for the well-being of the urban forest within Ward 2 and responds to varying forestry issues daily.

Alex Satel



Consulting Arborist, Urban Forest Innovations

Alex is an ISA Certified Arborist, and holds a Master of Forest Conservation (MFC) degree from the Faculty of Forestry at the University of Toronto. Since joining Urban Forest Innovations in 2009, he has been involved in the preparation of arborist reports, arboricultural specifications and strategic planning documents. He also has experience with tree establishment, maintenance and inventories, as well as silvicultural surveying. Alex has also been involved in the development of strategic urban forest management plans, urban tree canopy studies and Emerald Ash Borer management strategies for a number of communities in Ontario and beyond.

Brenna Anstett



Field Operations Coordinator, Residential Planting Programs, LEAF

Brenna is an ISA certified arborist and holds an Honours Bachelor of Arts degree in Geography and Environmental Governance from the University of Guelph. Her past experiences include dendroclimatological research at the University of Guelph and various tree planting and ecosystem restoration projects with the Ausable Bayfield Conservation Authority. At LEAF, she conducts site consultations with homeowners, coordinates the spring and fall planting operations and advises clients on tree health, maintenance and care. In her spare time, Brenna enjoys synchronized skating, travelling, photography, reading and talking about trees!



Local Enhancement & Appreciation of Forests

Improving city life one tree at a time

Jackie Hamilton



Coordinator, Research & Knowledge Management at Toronto and Region Conservation and Green Infrastructure Ontario Coalition

Jackie holds a Master of Forest Conservation degree from the University of Toronto and a Bachelor degree in Environmental Science. She is also an ISA certified arborist and working toward becoming a professional forester. Jackie works with Toronto and Region Conservation and Green Infrastructure Ontario Coalition in support of urban forest and green infrastructure projects in Ontario. Prior to this position, Jackie worked at LEAF as the Residential Planting Programs Coordinator. She is currently a member of the Board of Directors for the Ontario Urban Forest Council and Emerging Leaders for Biodiversity.

Tooba Shakeel



Education & Outreach Coordinator, ISA Certified Arborist, LEAF

Tooba holds a Master of Science from University of Toronto and is a published scientist in the fields of urban forestry and urban planning. Since 2007, she has worked to lead action-oriented, community-based stewardship and education projects in the GTA. She was introduced to LEAF through the Tree Tenders course in 2012! At LEAF, she coordinates educational and stewardship programs while overseeing outreach for the organization. As an arborist, she conducts consultations with residents and coordinates community naturalization and park tree adoption projects while mentoring young women and community groups to lead their own Adopt-A-Park Tree projects.

This program is supported by the City of Mississauga.

