

COMPETENCY ANALYSIS PROFILE
Arborist – 444A

(All unshaded skill sets must be demonstrated/completed)

SKILL SETS**SKILLS**

PROTECT SELF AND OTHERS 7175.0	Comply with federal, provincial and municipal legislation and regulations 7175.01	Select, adjust, maintain and wear appropriate eye protection 7175.02	Select, adjust, maintain and wear appropriate face protection 7175.03	Select, adjust, maintain and wear appropriate head protection 7175.04	Select, adjust, maintain and wear appropriate hearing protection 7175.05
	Select, maintain and wear appropriate hand protection 7175.06	Select, adjust, maintain and wear appropriate foot protection 7175.07	Select, adjust, maintain and wear appropriate chainsaw safety pants or chaps 7175.08	Select, adjust, maintain and wear work positioning system 7175.09	Mount and dismount equipment 7175.10
	Select, inspect and use hand tools and tree maintenance equipment 7175.11	Handle and carry tree maintenance equipment 7175.12	Identify hazards 7175.13		

WORK IN A SAFE ENVIRONMENT 7176.0	Identify climatic extremes of wind, lightening, temperature and precipitation 7176.01	Identify potential hazards in trees 7176.02	Identify potential hazards in adjacent trees 7176.03	Identify unstable ground conditions 7176.04	Identify overhead utility apparatus 7176.05
	Identify underground utility apparatus 7176.06	Identify electrical hazards 7176.07	Establish barriers to all overhead energized electrical apparatus in proximity to woody plants 7176.08	Establish barriers to all underground utilities 7176.09	Identify handling, storage and material disposal hazards 7176.10
	Follow required fire procedures 7176.11	Communicate on the worksite 7176.12	Identify potential public hazards 7176.13	Monitor worksite conditions 7176.14	

SKILL SETS

SKILLS

CLIMB TREES AND WORK AT HEIGHTS 7179.0	Select, inspect and maintain conventional fall protection systems	Select, inspect and maintain split tail fall protection	Wear and adjust conventional fall protection systems	Wear and adjust split tail fall protection systems	Tie, dress and set friction knots
	7179.01	7179.02	7179.03	7179.04	7179.05
	Tie, dress and set termination knots	Inspect tree	Select and assess interim anchor points	Select and assess final anchor points	Place climbing rope into interim anchor location
	7179.06	7179.07	7179.08	7179.09	7179.10
	Ascend trees without spurs	Ascend trees with spurs	Reposition climbing line	Secure self at work location	Select, inspect and maintain tree rigging equipment
	7179.11	7179.12	7179.13	7179.14	7179.15
Raise, lower and secure tools and equipment	Operate tree pruning tools aloft	Control movement of cut limbs and trunk sections	Control movement of cut limbs and trunk sections	Inspect tree	
7179.16	7179.17	7179.18	7179.19	7179.20	
Descend tree with spurs	Descend tree without spurs	Respond to emergency situation	Perform aerial rescue		
7179.21	7179.22	7179.23	7179.24		

PRUNE WOODY PLANTS 7180.0	Identify woody plants to be pruned	Select pruning methods	Select tools and equipment	Inspect tools and equipment	Remove unwanted limbs and branches
	7180.01	7180.02	7180.03	7180.04	7180.05
	Inspect woody plant	Clean up debris	Maintain and store tools and equipment		
	7180.06	7180.07	7180.08		

SKILL SETS

SKILLS

MANAGE WOUNDS AND DEFECTS OF WOODY PLANTS 7181.0	Identify subject woody plants	Identify wounds and defects	Select treatment method	Select tools, equipment and materials	Inspect tools, equipment and materials
	7181.01	7181.02	7181.03	7181.04	7181.05
	Install flexible bracing systems	Install rigid bracing systems	Perform bark tracing	Treat cavities in woody plants	Install drains in woody plants
7181.06	7181.07	7181.08	7181.09	7181.10	
7181.11	Treat damaged or girdling roots on woody plants	Maintain and store tools and equipment			
		7181.12			

MANAGE PESTS, DISEASES AND/OR DISORDERS 7182.0	Determine normal growth characteristics, normal appearance and common problems of subject woody plants	Identify potential sources of stress	Identify symptoms of abnormal growth	Collect, analyse and interpret soil and plant tissue samples	Diagnose woody plant problems
	7182.01	7182.02	7182.03	7182.04	7182.05
	Select tools, equipment and materials	Inspect tools, equipment and materials	Select fertilizer and soil amendments	Select fertilizer application and soil amendments application methods	Apply fertilizers and soil amendments
	7182.06	7182.07	7182.08	7182.09	7182.10
7182.11	Aerate soil	Irrigate soil	Apply biological control methods	Apply mulches	Perform selective pruning /removal
		7182.12	7182.13	7182.14	7182.15
7182.16	Evaluate effectiveness of treatments	Maintain and store tools and equipment			
		7182.17			

SKILL SETS

SKILLS

TRANSPLANT WOODY PLANTS 7183.0	Inspect nursery stock 7183.01	Select tools, equipment and materials 7183.02	Inspect tools and equipment 7183.03	Dig woody plants, 7183.04	Handle, load and protect nursery stock for transport and interim storage 7183.05
	Prepare planting site 7183.06	Install woody plant material 7183.07	Install anchor systems 7183.08	Apply mulch over root zone 7183.09	Perform follow-up maintenance 7183.10
	Maintain and store tools and equipment 7183.11				
MAINTAIN AND OPERATE CHAINSAW 7184.0	Select, adjust, maintain and wear appropriate chainsaw safety pants or chaps 7184.01	Handle and carry chainsaw in a safe manner 7184.02	Clean and lubricate chainsaws 7184.03	Service bars 7184.04	Perform routine repair and maintenance of chainsaws 7184.05
	Sharpen chains 7184.06	Refill fuel and chain lubricant reservoirs 7184.07	Adjust chain tension 7184.08	Start and stop chainsaws 7184.09	Set engine idle speed 7184.10
	Check chain brake function 7184.11	Test chainsaw operation 7184.12	Buck and limb felled trees 7184.13		

SKILLSETS

SKILLS

MAINTAIN AND OPERATE CHIPPER 7185.0	Secure chipper for transportation	Conduct pre-operational checks	Set up and start up chipper	Conduct operational checks	Feed chipper
	7185.01	7185.02	7185.03	7185.04	7185.05
	Shut down chipper	Perform emergency shut down	Store chipper	Perform preventative maintenance	
	7185.06	7185.07	7185.08	7185.09	

HOIST AND RIG TREES 7186.0	Interpret worksite documentation	Inspect work site access	Calculate weight and determine balance point	Establish job plan	Communicate job plan to all personnel
	7186.01	7186.02	7186.03	7186.04	7186.05
	Establish barriers	Select and inspect rigging equipment	Maintain communications with crane operator	Determine choker locations	Ascend tree
	7186.06	7186.07	7186.08	7186.09	7186.10
	Assess choker location(s) for defects	Connect slings and hardware to attachment point and hook of crane	Signal crane operator	Inspect rigging system	Position self to the planned cutting location
	7186.11	7186.12	7186.13	7186.14	7186.15
Remove obstructing branches	Communicate with crane operator	Perform cutting sequence	Signal crane operator	Position and secure load	
7186.16	7186.17	7186.18	7186.19	7186.20	
Maintain and store rigging equipment					
7186.21					