

**SKILLS FRAMEWORK FOR LANDSCAPE  
TECHNICAL SKILLS AND COMPETENCIES (TSC) REFERENCE**

<b>TSC Category</b>	Environment					
<b>TSC</b>	Ecology in Landscapes					
<b>TSC Description</b>	Adopt principles of ecology in the design, implementation and management of landscapes					
<b>TSC Proficiency Description</b>	<b>Level 1</b>	<b>Level 2</b>	<b>Level 3</b>	<b>Level 4</b>	<b>Level 5</b>	<b>Level 6</b>
				<b>LNS-GED-4002-1.1</b>	<b>LNS-GED-5002-1.1</b>	<b>&lt;Insert TSC Code&gt;</b>
				Incorporate ecological considerations in the design, implementation and management of landscapes	Drive ecological-based considerations in the design, implementation and management of landscapes	
<b>Knowledge</b>				<ul style="list-style-type: none"> <li>Optimal living conditions of flora and fauna species in the region</li> <li>Benefits of ecosystem services</li> <li>Interactions between biotic elements in an urban ecosystem and the built environment</li> <li>Fundamentals of ecological processes</li> <li>Processes and guidelines for ecological impact assessments</li> <li>Considerations for ecological sustenance and conservation in the design, implementation and management of landscapes</li> </ul>	<ul style="list-style-type: none"> <li>Nature of interaction between organisms in ecosystems present in the region</li> <li>Optimal living conditions of flora and fauna species</li> <li>Relationship between biotic, abiotic and man-made elements of an environment</li> <li>Ecological processes present in urban areas and the built environment</li> <li>Processes and guidelines for ecological impact assessments</li> <li>Ways to mitigate ecological impact of development and human activities</li> </ul>	
<b>Abilities</b>				<ul style="list-style-type: none"> <li>Execute site assessments to understand the local ecosystems and ecological processes</li> <li>Assess the ecological impact of proposed developments</li> <li>Identify flora and fauna species that would be suitable for the proposed designs based on ecological principles</li> <li>Incorporate considerations for</li> </ul>	<ul style="list-style-type: none"> <li>Establish the ecological objectives of the proposed landscapes</li> <li>Communicate the ecological impact of proposed developments to key stakeholders</li> <li>Influence planning and design of landscapes from an ecological conservation perspective</li> <li>Identify ecological solutions to mitigate the impact of activities in the development process</li> </ul>	

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				<p>promoting plant growth in landscape design, implementation and management</p> <ul style="list-style-type: none"> <li>• Manage landscape implementation in adherence to ecological sustenance and conservation guidelines</li> <li>• Drive landscape management practices with considerations for sustenance of ecological processes</li> </ul>	<ul style="list-style-type: none"> <li>• Assess landscape designs from an ecological perspective</li> <li>• Promote the usage of flora and fauna species suited to local conditions to improve sustainability of landscapes</li> <li>• Establish landscape implementation guidelines with considerations for conservation of ecological elements and processes</li> <li>• Establish landscape management guidelines with considerations for sustenance of ecological processes</li> </ul>	
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