

SKILLS FRAMEWORK FOR LANDSCAPE SKILLS MAP - LANDSCAPE ARCHITECT		
Sector	Landscape	
Track	Landscape Design	
Occupation	Landscape Design Professional	
Job Role	Landscape Architect	
Job Role Description	<p>The Landscape Architect manages and contributes to the end-to-end landscape design process from a multidisciplinary perspective. He/She collaborates with a diverse group of internal and external stakeholders to bring together knowledge of various inter-related disciplines into a cohesive landscape design and architectural plans. He also develops concepts and prototypes as part of his work to pitch for landscape design and architectural projects as well as to deliver the final landscape design to meet clients' needs. He conducts site visits to study and research on project requirement, checks on progress during project implementation, monitors compliance with design plans, and manages design variations.</p> <p>He is a strong team player and is ready to be called upon to lead the project team towards successful delivery landscape design and architecture projects. He spends his time overseeing project implementation, is able to work on multiple projects concurrently and delivers on expectation within a given project timeline and allocated budget.</p> <p>He possesses a strong mastery of design and landscape architecture fundamentals and technical skills to deliver creative works that meet projects and stakeholders' requirement. He kept himself abreast of the latest landscape industry design and architectural trends and regulatory requirements, and seeks to continually upgrade his knowledge and skills in different aspect of the landscape industry.</p>	
Critical Work Functions and Key Tasks	Critical Work Functions	Key Tasks
	Execute business development	Provide landscape design-related inputs to support the development of marketing collaterals for business development
		Provide cost and resource estimates to support the development of technical and commercial proposals for landscape design contracts
		Develop site assessment reports to support the development of technical proposals
		Participate in client presentations to pitch for landscape design contracts
		Support the evaluation of tender or contract requirements to determine the scope of work
	Establish design objectives and concepts	Review the brief provided by the clients to support the establishment of design objectives
		Analyse existing site conditions that could influence the design and arrangement of landscape features
		Coordinate with clients and other key project stakeholders on project requirements and considerations
		Analyse research findings to inform decisions on landscape design concepts
		Communicate research findings to stakeholders for informed decision making on landscape designs
		Analyse results of feasibility tests for landscape designs through reviews with the design team
	Deliver design outputs	Develop and propose visual concepts for landscape designs and development to showcase broad landscape designs, layout of key features and relationship with built elements
		Provide assistance and feedback to junior team members to meet design objectives and standards of quality
		Develop cohesive design plans in alignment with the overall design concept in collaboration with stakeholders
		Prepare illustrative drawings to demonstrate the design concepts for the hardscape, softscape and special features
		Develop technical drawings, schedules and specifications of materials and landscape grading indicating layouts, dimensions and profiles, providing accompanying notes for workmanship where required
		Identify existing vegetation or habitats to be protected
		Provide in progress coordination drawings to clients and all relevant consultants for their inputs and coordination
	Incorporate feedback from clients and all relevant consultants	
Manage landscape design project	Write bill of quantities and performance specifications for resources required in the implementation of landscape designs for costing of the project requirements	
	Collaborate with building architects on managing compliance with statutory requirements for landscape elements	
	Review with the Qualified Person (QP) on landscape-related matters that are required for the respective authorities and provide separate quotes if other environmental certification schemes are required in the projects	
	Coordinate with landscape specialists, contractors and relevant consultants to work out site planning specifications and issues in the projects	
	Advise the clients on tender related requirements for the appointment of landscape contractors	
	Review the contractors' plans, drawings and actual work to track project progress and/or variations and recommend the associated payment terms	
	Coordinate with various stakeholders to determine project scope variations and associated implementation requirement and risks	
Provide inspection reports to stakeholders by participating in site visits to check on progress and monitor compliance with design plans		

	Review the maintenance and progress of defect rectifications and maintenance obligations of the contractors			
Skills and Competencies	Technical Skills and Competencies		Generic Skills and Competencies (Top 5)	
	Aesthetic and Design Sensibility	Level 4	Creative Thinking	Advanced
	Biophilic Design	Level 4	Communication	Intermediate
	Building Information Modelling Application	Level 4	Teamwork	Intermediate
	Business Development	Level 4	Problem Solving	Intermediate
	Conceptual Thinking	Level 4	Transdisciplinary Thinking	Intermediate
	Contract Preparation, Evaluation, Negotiation and Tendering	Level 4		
	Critical Thinking	Level 4		
	Cultural, Heritage and Socio-economic Sensitivity for Design	Level 4		
	Data Analysis and Interpretation	Level 3		
	Design Creation and Development	Level 4		
	Design Sketching	Level 4		
	Design Standards and Specification	Level 4		
	Design Thinking Practice	Level 4		
	Digital and Physical Prototyping	Level 4		
	Ecology in Landscapes	Level 4		
	Form Giving	Level 4		
	Imagination and Exploration	Level 4		
	Innovation Management	Level 3		
	Material Studies and Production Processes	Level 4		
	Microclimate in Landscape Design	Level 4		
	Placemaking and Programming of Open Spaces	Level 4		
	Plant Identification	Level 3		
	Plant Selection for Landscape Development	Level 4		
	Project Management	Level 4		
	Site Assessment and Analysis	Level 4		
	Skyrise Greenery Design and Implementation	Level 4		
	Stakeholder Management	Level 4		
Sustainable Landscape Design	Level 4			
Technical Drawing	Level 4			
Visual Communication	Level 4			
Water Sensitive Urban Design	Level 4			
Programme Listing	For a list of Training Programmes available for the Landscape sector, please visit: www.skillsfuture.sg/skills-framework/landscape			

The information contained in this document serves as a guide.