WORK-STUDY DIPLOMA IN ARBORICULTURE & HORTICULTURE

MODULE OBJECTIVES

Module 1: Plant Curation & Inventory
On completion of the module, trainees should be able to perform plant curation and inventory, as well as to manage selection of indoors and outdoors plants.

Module 2: Arboriculture Operations & Maintenance
On completion of the module, trainees should be able to manage arboriculture operations and maintenance including tree assessment, pruning, installation, transplanting and removal, as well as managing implementation of tree health management programmes.

Module 3: Plant Health Management
On completion of the module, trainees should be able to diagnose plant health disorders, determine common plant diseases and pests, develop plant health management programme, as well as managing implementation of IPM to treat plant disorder.

Module 4: Soil Science & Amelioration
On completion of the module, trainees should be able to perform soil and media testing and analysis, implement measures to improve soil conditions, as well as preparing growing media on site for planting.

Module 5: Landscape Project Development
On completion of the module, trainees should be able to manage development of landscape projects such as developing environmental management plan for worksite, tree conservation and protection plans, landscape project plan, as well as plant water management plan.

Module 6: Horticulture Operations & Maintenance
On completion of the module, trainees should be able to manage arboriculture operations and maintenance such as managing plant propagation, implementing horticultural maintenance programme and managing maintenance of landscape equipment and machinery.

Module 7: Biophilic Landscaping Management
On completion of the module, trainees should be able to develop plans for sustainable biophilic landscape programme, implement sustainable biophilic landscape programme, and manage maintenance of skyrise greenery and park facilities in accordance with landscape practices and statutory requirements.
Module 8: Landscape Project Management
On completion of the module, trainees should be able to interpret contract documents, manage landscape project, irrigation and drainage systems, as well as implementing tree conservation and protection plans for development works.

Module 9: Company Project
On completion of the module, trainees should have applied their acquired competencies in an authentic project that would value-add to the company.

Module 10: On-the-Job Training
On completion of the module, trainees should be able to apply the skills and knowledge acquired at ITE College and workplace to take on the full job scope, including supervisory function where appropriate, at the company.