

NITEC IN URBAN GREENERY & LANDSCAPE

Core Modules

Introduction to Horticulture

On completion of the module, students should be able to perform plant identification and plant health diagnostics, recognise basic plant anatomy and morphology, and interpret work plan for landscape maintenance works.

Landscape Services

On completion of the module, students should be able to prepare landscape work plan, maintain softscape and hardscape, prepare and apply chemicals and fertiliser, supervise installation of landscape structure and facilities, supervise implementation of landscape work, and maintain landscape equipment and machinery.

Nursery Services

On completion of the module, students should be able to propagate ornamental plants in nurseries, maintain nursery facilities and worksite, coordinate nursery operations, transportation of nursery products and crop harvesting, supervise and coordinate the post-harvest operations and nursery production programme, recognise and control pests, diseases and weed, and record and update stock.

Electrical Services

On completion of the module, students should be able to interpret electrical circuit diagrams, install conduits and trunkings, replace light fittings and accessories, rectify faults in electrical circuits, and conduct insulation resistance and continuity tests.

Arboriculture Services

On completion of the module, students should be able to plant, transplant, remove and prune trees and palms, perform visual tree assessment (VTA) and inspection, perform tree protection and tree health maintenance, and maintain arboriculture equipment.

Turf Services

On completion of the module, students should be able to supervise installation and maintenance of subsoil drainage and irrigation systems, maintain golf courses and turf, monitor turf health and repair damaged turf, maintain turf equipment, and perform a range of basic field and lab testing on soil.

Urban Greenery

On completion of the module, students should be able to recognise different types of urban greenery, skyrise greenery and urban farming systems, landscape light fixtures and irrigation components, implement automation in landscape works, install water features, and implement irrigation system for urban landscape.

Industry Attachment

Students will be attached to landscape companies to reinforce the skills and knowledge acquired at ITE as well as gain professional and working experience.