



CAREER INFORMATION 2023

DIPLOMA IN SUSTAINABLE HORTICULTURE & LANDSCAPING



01 JAN - 31 DEC 2023



Diploma in Sustainable Horticulture and Landscaping

NQF Level: 6

SAQA ID: 97807

Qualification Code: DISLDI

Location: M L Sultan Campus (Block B, 5th Floor)

Description of the Programme

One of the most rapid growth areas in the field of agriculture is that of horticulture. Horticulture includes producing, processing and marketing fruits, vegetables, and ornamental plants (turf grass, flowers, shrubs and trees grown and used for their beauty).

Landscape horticulture includes the production, marketing, and maintenance of landscape plants. Ranging from simple garden design to more sophisticated architectural designs, landscaping involves the organizing and enriching outdoor space by placing plants and structures in an agreeable and useful relationship with the nature. Sustainable horticulture and Landscaping are dependent on a well-maintained biodiversity. Hence, biodiversity conservation is an integral aspect of horticulture with a major focus on plant conservation and landscape restoration.

The three-year diploma course in Sustainable Horticulture and Landscaping is aimed at producing graduates who are competent to plan, develop and manage sustainable plant nurseries and landscapes in a variety of contexts (commercial, community, and amenity), while ensuring sustainable and effective use of natural resources. It will empower young people with the necessary skills set to create and maintain sustainable environments within the various strata of South African society. The first two years are spent in formal study while the third year involves a six-month period of structured practical learning at the department's School of Horticulture training facility and a further six-month integrated learning project with suitable industry mentors developing the required competencies.

The Durban University of Technology has a long experience in preparing young people for entry into the horticultural industry. The function of the DUT is to provide professional and technical training as well as facilities to enable students to study their particular subjects and gain maximum benefit. It is for this reason that at Durban University of Technology, all the horticultural aspects of the course are taught in the context of practical reality.

Career opportunities

There are various sources of employment for individuals trained in horticultural practices and Landscaping. These businesses include greenhouses, nurseries, Garden Centre's, golf courses, municipal parks departments, government departments, orchards, floral design shops, grounds maintenance operations, vegetable and fruit production and marketing, or self-employment. Horticulturists also work in the wholesale or retail trade (sales), as researchers, Ground's superintendents or Green Keepers.

Explanation of Points scale:

| SENIOR CERTIFICATE (SC) | | |
|-----------------------------------|--------------|----------------|
| SYMBOL | HIGHER GRADE | STANDARD GRADE |
| A | 8 | 6 |
| B | 7 | 5 |
| C | 6 | 4 |
| D | 5 | 3 |
| E | 4 | 2 |
| F | 3 | 1 |
| NATIONAL SENIOR CERTIFICATE (NSC) | | |
| % | LEVEL | POINTS |
| 90-100 | 7 | 8 |
| 80-89% | 7 | 7 |
| 70-79% | 6 | 6 |
| 60-69% | 5 | 5 |
| 50-59% | 4 | 4 |
| 40-49% | 3 | 3 |
| 30-39% | 2 | 2 |
| 20-29% | 1 | 1 |

Entry Requirements (Diploma in Sustainable Horticulture and Landscaping)

| NATIONAL SENIOR CERTIFICATE (NSC) (01 January 2009) | | SENIOR CERTIFICATE (SC) (PRE 2009) | | | NATIONAL CERTIFICATE VOCATIONAL (NCV) | |
|--------------------------------------------------------|-----------------|---------------------------------------|----|----|---------------------------------------------------------------------------------------------|------|
| NSC DIPLOMA ENTRY | | SENIOR CERTIFICATE (SC) | | | (NCV) LEVEL 4 | |
| Compulsory Subjects | NSC Rating Code | Compulsory Subjects | HG | SG | NCV level 4 with statutory requirements for a diploma entrance with the following subjects: | Mark |
| English | 4 | English | E | D | English | 50% |
| Mathematics | 3 | Biology | E | D | Mathematics OR | 50% |
| Mathematics Literacy | 4 | Mathematics | E | D | Mathematics Literacy | 50% |
| Life Sciences OR (or recognized equivalent) | 4 | | | | Life Sciences OR (or recognized equivalent) | 60% |

NB: The sum of an applicant's achievement rating for (Mathematics **OR** Mathematical Literacy) + (Life Sciences OR Physical Science) must be 7.

Additional Entry Requirements:

Preference will be given to those applicants who have had practical experience with a reputable horticultural concern or who have an agricultural or horticultural background.

OR

Admission Requirement based upon Work Experience, Age and Maturity

For admission to entry level DIPLOMA and certificate studies:

A person may, subject to such requirements as the Senate

may determine, be admitted to the Institution even if such a person is not in a possession of a National Senior Certificate, Senior Certificate, or an equivalent certificate, provided that:

- The person shall have reached the age of 23 in the first year of registration and shall have at least:
 - three years' appropriate work experience; and/or
 - capacity for the proposed instructional programme, which shall be assessed at the discretion of the respective Head of Department by a Senate approved admission assessment comprising of a DUT Standardised Assessment Test for Access and Placement (SATAP), Academic Literacies (AL) & English for Academic Purposes (EAP) and/or an appropriate subject or programme specific written assessment designed and marked by the relevant Department; and
- The relevant Faculty Board shall be satisfied that the person's standard of communication skills, ability to study successfully and/or work experience are such that the person, in the opinion of the relevant Faculty Board, should be able to complete the proposed instructional programme successfully. If required, the communication skills and study skills should be tested; and
- The person's application for admission in terms of work experience, age and maturity is approved prior to registration.

Applicants intending to gain admission through work experience, age and maturity must submit their applications at least four months before commencement of the academic year inclusive of the date of scheduling writing a requisite eligibility assessment.

Tuition Fees

To assist you with your planning, the 2022 fees have been indicated.

PLEASE NOTE: DUT cannot be held liable for the fees in this brochure as the 2023 fees are not yet final.

| First Year Curriculum | | | | |
|---------------------------------------|--------------|-------------|--------------|------------------|
| Name of the Module | Subject Code | HEQSF Level | SAQA Credits | 2022 Fees |
| Semester One | | | | |
| Plant Studies IA | PLSA101 | 5 | 12 | R2920.00 |
| Horticulture IA | HRTA101 | 5 | 16 | R3900.00 |
| Business Management IA | BSMA101 | 5 | 8 | R1950.00 |
| Estate & Grounds Management IA | EGMA101 | 5 | 8 | R1950.00 |
| Growth Media Studies | GRMS101 | 5 | 8 | R1950.00 |
| Cornerstone 101 | CSTN101 | 5 | 12 | R3410.00 |
| Total | | | | R16080.00 |
| Semester Two | | | | |
| Plant Studies IB | PLSB101 | 5 | 12 | R2920.00 |
| Horticulture IB | HRTB101 | 5 | 12 | R2920.00 |
| Business Management IB | BSMA101 | 5 | 8 | R1950.00 |
| Estate & Grounds Management IB | EGMB101 | 5 | 8 | R1950.00 |
| Ecology | ECLG101 | 5 | 8 | R1950.00 |
| IGE Elective | ICTL101 | 5 | 8 | R2140.00 |
| Total | | | | R13830.00 |
| TOTAL CREDITS SEMESTER 1&2 | | | 120 | |
| Second Year Curriculum | | | | |
| Semester One | | | | |
| Plant Studies IIA | PLSA201 | 6 | 8 | R1950.00 |
| Horticulture IIA | HRTA201 | 6 | 12 | R2920.00 |
| Business Management IIA | BSMA201 | 6 | 8 | R1950.00 |

| | | | | |
|-------------------------------------------------------------|---------|---|------------|------------------|
| Integrated Pest & Disease Management IIA | IPDA20I | 6 | 8 | R1950.00 |
| Environmental Sustainability IIA | EVSA20I | 6 | 8 | R1950.00 |
| Sustainable Landscape Planning & Practice IA | SLPA20I | 6 | 12 | R2920.00 |
| Me, My World, My Universe IGE Elective | MWMUI0I | 5 | 8 | R2140.00 |
| Total | | | | R15780.00 |
| Semester Two | | | | |
| Plant Studies IIB | PLSB20I | 6 | 12 | R2920.00 |
| Horticulture IIB | HRTB20I | 6 | 8 | R1950.00 |
| Entrepreneurship & Small Business Management IIB | ESBM20I | 6 | 8 | R1950.00 |
| Integrated Pest & Disease Management IIB | IPDB20I | 6 | 8 | R1950.00 |
| Environmental Sustainability IIB | EVSB20I | 6 | 8 | R1950.00 |
| Sustainable Landscape Planning & Practice IIB | SLPB20I | 6 | 12 | R2920.00 |
| Total | | | | R13640.00 |
| TOTAL CREDITS SEMESTER 1 & 2 | | | 120 | |
| Third Year Curriculum | | | | |
| Semester One | | | | |
| Plant Studies IIIA | PLSA30I | 6 | 16 | R3900.00 |
| Horticulture IIIA | HRTA30I | 6 | 16 | R3900.00 |
| Horticultural and landscape Operations IIIA | HLOA30I | 6 | 8 | R1950.00 |
| Sustainable Landscape Planning & Practice IIIA | SLPA30I | 6 | 16 | R3900.00 |
| FGE Compulsory community Dev & Engagement | ASCE10I | 6 | 12 | R3410.00 |
| Select One Module (IGE Elective) from the List Below | | | | |
| World of Work OR | VWRK10I | 5 | 8 | R1980.00 |
| Leadership | LDSH10I | | | R2140.00 |
| Total | | | | R21180.00 |
| Semester Two | | | | |
| Plant Studies IIIB | PLSB30I | 6 | 12 | R2920.00 |
| Horticulture IIIB | HRTB30I | 6 | 12 | R2920.00 |
| Horticultural and landscape Operations IIIB | HLOB30I | 6 | 8 | R1950.00 |
| Sustainable Landscape Planning & Practice IIIB | SLPB30I | 6 | 12 | R2920.00 |
| Total | | | | R10710.00 |
| TOTAL CREDITS SEMESTER 1 & 2 | | | 120 | |

Application

Applicants who wish to enrol for the programme must apply through the CAO system by no later than 30 September of the previous year.

Application Forms

Contact the Central Applications Office (C.A.O.)

Address letters to:

Central Applications Office
Private Bag X06
Dalbridge
4014

Tel: (031) 2684444

Fax: (031) 2684422

Apply online: <http://www.cao.ac.za>

CAO Code: Dip. - DUDSHL

Closing date for applications: 30 September 2022

For Further Information

Contact the Department of Horticulture
P O Box 1334

Durban

4000

Tel: (031)373 5233

Fax: (086) 674 0374/ (086) 743 6240

E-mail: dhireng@dut.ac.za

Financial Aid

For Financial Aid application for a DUT programme please apply online at www.nsfas.org.za or call the NSFAS call centre on 0860 067 327.

For an explanation on how to fill out the application form, please go to www.nsfas.org.za or contact the call centre on the number above.

Please note that completing a form does not guarantee Financial Aid. For further assistance, please consult the Department of Financial Aid and Scholarships on (031)373 2931/2557/2054.

This leaflet is for information purposes only and is not binding on the Durban University of Technology