

Career Information

Diploma in Sustainable Horticulture and Landscaping

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, Grounds superintendents or Green Keepers.

Explanation of Points scale:

symbol	Senior Certificate	
	Higher Grade	Standard Grade
A	8	6
B	7	5
C	6	4
D	5	3
E	4	2
F	3	1

%	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

DEPARTMENTAL NSC REQUIREMENTS		DEPARTMENTAL SENIOR CERTIFICATE REQUIREMENTS		
NSC Diploma Entry		A Senior Certificate or equivalent qualification. Applicants with 25 or more points will be considered.		
Compulsory Subjects	NSC Rating Code	Compulsory Subjects	HG	SG
English (home) OR English (1st additional)	4	English	E	D
Mathematics OR Maths Literacy	3	Biology	E	D
Life Sciences OR (or recognized equivalent)	4	Maths	E	D

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

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.

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.

Tuition Fees

To assist you with your planning, the 2019 fees have been indicated.

PLEASE NOTE: DUT cannot be held liable for the fees in this brochure as the 2020 fees are not yet final.

First Year Curriculum Semester One

Plant Studies IA	R2 530
Horticulture IA	R3 370
Business Management IA	R1 690
Estate & Grounds Management IA	R1 690
Growth Media Studies	R1 690
Cornerstone 101	<u>R2 950</u>
Total	<u>R13 920</u>

2019 Fees

Semester Two

Plant Studies 1B	R2 530
Horticulture 1B	R2 530
Business Management 1B	RI 690
Estate & Grounds Management 1B	RI 690
Ecology	RI 690
IGE Elective	<u>RI 850</u>
Total	<u>RI 980</u>

Second Year Curriculum

Semester Three

Plant Studies 2A	RI 690
Horticulture 2A	R2 530
Business Management 2A	RI 690
Integrated Pest & Disease Management 2A	RI 690
Environmental Sustainability 2A	RI 690
Sustainable Landscape Planning & Practice 2A	R2 530
IGE Elective	<u>RI 850</u>
Total	<u>RI 3 670</u>

Semester Four

Plant Studies 2B	R2 530
Horticulture 2B	RI 690
Entrepreneurship & Small Business Management 2B	RI 690
Integrated Pest & Disease Management 2B	RI 690
Environmental Sustainability 2B	RI 690
Sustainable Landscape Planning & Practice 2B	<u>R2 530</u>
Total	<u>RI 11 820</u>

Third Year Curriculum

Semester Five

Plant Studies 3A	R3 370
Horticulture 3A	R3 370
Horticultural and landscape Operations 3A	RI 690
Sustainable Landscape Planning & Practice 3A	R3 370
FGE Compulsory community Dev & Engagement	R2 950
IGE Elective	<u>RI 710</u>
Total	<u>RI 6 460</u>

Semester Six

Plant Studies 3B	R2 530
Horticulture 3B	R2 530
Horticultural and landscape Operations 3B	RI 690
Sustainable Landscape Planning & Practice 3B	<u>R2 530</u>
Total	<u>RI 9 280</u>

FOR FURTHER INFORMATION

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APPLICATION FORMS

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

CAO Code: N. Dip. - DUDSHL

Address letters to:
Central Applications Office
Private Bag X06
Dalbridge
4014

Tel: (031) 2684444

Fax: (031) 2684422

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

Closing date for applications: 30 September 2019

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.



CAREER INFORMATION

DIPLoma IN SUSTAINABLE HORTICULTURE & LANDSCAPING

1 JANUARY 31-DECEMBER

2020