

Career Information

Bachelor of Health Sciences in Medical Laboratory Science (BHSc: MLS)

Location

ML Sultan Campus

Description of the Programme

Medical laboratory Science is a profession of highly knowledgeable and skilled individuals who perform clinical laboratory tests on patient samples. The service offered by Medical laboratory Scientist is an important component of patient health care, as the results obtained from these laboratory tests are a vital tool in the diagnosis, treatment and prevention of disease.

Based on a variety of placement assessments, successful applicants for study towards a Bachelor of Health Sciences degree will be accepted into a four-year minimum study period. A partnership between the Medical Laboratory Science programme, the National Health Laboratory Service, the South African Blood Services, Lancet & Ampath private Laboratories and the KwaZulu-Natal Department of Health will ensure that the students fully participate in focused clinical practice activities. The participation of students in real life learning environments will ensure the achievement of exit level competencies and outcomes. The Clinical Laboratory Practice I in Year 3 and Clinical Laboratory Practice II in the final year will provide an opportunity to expose the student to new and novel environments in addition to providing an opportunity for the student to identify an area for in-depth practice. This will also allow for the development and attainment of the necessary graduate attributes, all of which form part of the institutions vision.

A student in Medical Laboratory Science must attend formal lectures and practical sessions at the Durban University of Technology in all modules for a period of their studies. This includes a total of six (6) months in the 3rd year of study and 12 months in the 4th year of study where they will have placed in training laboratories.

Registration with Professional Board

On enrolment, it is mandatory that each student registers with the Health Professions Council of South Africa (HPCSA) as a student Medical Laboratory Scientist

as per regulations set out in the Government Gazette (Circular E2/a9/2, 79, 09, 28). Successful completion of this qualification will entitle the student to register with the Health Professions Council of South Africa (HPCSA) as a Medical Laboratory Scientist who can practice independently.

Career opportunities

The qualifying learner will be able to organise and perform laboratory operations in clinical diagnostic laboratories and related fields in compliance with statutory requirements for ethics, safety and quality assurance. Supervisory, management and research skills are developed. The Medical Laboratory Science degree that will be offered at DUT will at the onset, offer the following specialization options: Clinical Pathology, Haematology 3, Medical Microbiology 3, Clinical Chemistry 3, Immunohaematology 2 and Histopathology 2. Other specialization modules viz. Cytogenetics, Forensic Medicine and Virology will be added on later as per industry demand. Graduates that qualify with the MLS degree may work in government pathology laboratories, private and research health care laboratories. To practice independently as a Medical Laboratory Scientist, two (2) years post-registration experience is required. Non-HPCSA registered Medical Laboratory Scientist may work in non-diagnostic laboratories.

Entry Requirements

DEPARTMENTAL NSC REQUIREMENTS		DEPARTMENTAL SENIOR CERTIFICATE REQUIREMENTS		
NSC Degree Entry	NSC Rating Code	A Senior Certificate or equivalent qualification		
Compulsory Subjects		Compulsory Subjects	HG	SG
English (home) OR English (1st additional)	4	English (1 st language) OR English (2 nd language)	D	B
Maths	4	Maths	D	B
Physical Science	4	Physical Science	D	B
Life Sciences	4	Biology	D	B
And two 20 Credit subjects (of which only one may be a language)	3			

RATING CODE	RATING	MARKS %
7	Outstanding achievement	80-100
6	Meritorious achievement	70-79
5	Substantial achievement	60-69
4	Adequate achievement	50-59
3	Moderate achievement	40-49
2	Elementary achievement	30-39
1	Not Achieved	0 - 29

Additional Entry Requirements: Applicants are required to have industrial knowledge will have to undergo an interview as well as placement testing.

NCV Level 4

With English, Maths, Physical Science, Biology and four other subjects at 70%

ADMISSION REQUIREMENTS BASED UPON WORK EXPERIENCE, AGE AND MATURITY

I. For admission to entry level DEGREE studies:

A person may, subject to such requirements as the Senate may determine, be ad-mitted if such a person is in possession of a National Senior Certificate, Senior Certificate or an equivalent certificate, but lacks the minimum requirements for admission to the degree provided that:

- (a) 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 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) (2,5 hours) and/or an appropriate subject or programme specific written assessment designed and marked by the relevant Department; and the person has obtained
- (b) A conditional certificate of exemption from the Matriculation Board (when in possession of the Senior Certificate (SC)); OR has met
- (c) The requirements for Senate discretionary admission (when in possession of the NSC or equivalent), where Senate is satisfied the applicant has shown sufficient academic ability to ensure success, and that the person's standard of communication skills, and/or work experience are such that the person, in the opinion of the Senate, should be able to complete the proposed instructional programme successfully.
- (d) The person's application for admission in terms of with 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 2019 fees have been indicated. An increase for next year to accommodate the inflation rate can be expected.

PLEASE NOTE: DUT cannot be held liable for fees in the brochure as the 2020 fees have not yet been finalised.

NB: For semester programmes there would be a single registration for semester 1 and semester 2 at the beginning of each academic year.

First Year Curriculum:

Semester 1

Physics Module I	R2510
Chemistry	R4350
Anatomy and physiology IA	R2180
Fundamentals of Medical Lab Science	R2640
Cornerstone 101	R2950
Personal and Professional Development I	R1970

Semester 2

Cell Biology
Immunology
Anatomy and physiology IB
Physics Module 2
Statistics
Values in the workplace OR
Cultural diversity

R3270
R2850
R2180
R2510
R1920
R1970
R1850

Second Year Curriculum

Semester Three

Clinical chemistry
Fundamentals of Pathology
Immunohaematology I
Molecular Biology
Medical Microbiology
Equality and Diversity OR
The Global Environment
The Entrepreneurial Edge

R3160
R1930
R2690
R2320
R3160
R1850
R1850
R1970

Semester Four

Cytology I
Haematology I
Histopathology I
Medical Microbiology IIA
Systemic Pathophysiology

R2880
R3160
R2690
R3160
R1930

Third Year Curriculum

Semester Five

(Please contact the department for curriculum fees)

Clinical Chemistry II
Cytology II
Haematology II
Medical Microbiology IIB
Educational Techniques OR
Ethics and Medical law
Restorative Justice

Semester Six

Clinical laboratory Practice I
Principles of management
Principles of Research

Fourth year Curriculum

Semester 7

Integrated Pathophysiology A
Laboratory Management
Research Project A

ELECTIVES

Clinical Chemistry IIIA
Clinical Pathology A
Medical microbiology IIIA
Cytology IIIA
Histopathology IIA
Haematology IIIA
Immunohaematology IIA

Semester 8

Integrated Pathophysiology Module B
Research Project Module B

ELECTIVES

Clinical Chemistry IIIB
Clinical Pathology B
Medical microbiology IIIB
Cytology IIIB
Histopathology IIB
Haematology IIIB
Immunohaematology IIB

Closing Date for applications: 29 Aug 2019

CAO Code: DU-D-BLS

FOR FURTHER INFORMATION

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Faculty of Health Sciences
Durban University of Technology
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DURBAN 4000
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Fax: (031) 373 5295

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
Internet: <http://www.cao.ac.za>



DUT
DURBAN
UNIVERSITY OF
TECHNOLOGY

**FACULTY OF
HEALTH
SCIENCES**

**DEPARTMENT OF
BIOMEDICAL
AND CLINICAL
TECHNOLOGY**

CAREER INFORMATION
**BACHELOR OF
HEALTH SCIENCES IN
MEDICAL
LABORATORY SCIENCE**
1 JANUARY - 31 DECEMBER 2020

2020

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