

Bachelor of Health Sciences in Medical Laboratory Science

NQF 8

SAQA ID: 101689

Location: ML Sultan Campus (Block B 2nd Floor)

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 register 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 (BHS in Medical Laboratory Science)

NATIONAL SENIOR CERTIFICATE (NSC) (01 January 2009)		SENIOR CERTIFICATE (SC) PRE 2009			NATIONAL CERTIFICATE (VOCATIONAL) (NCV)	
NSC DEGREE ENTRY		SENIOR CERTIFICATE (SC) with Matric Exemption			NATIONAL CERTIFICATE (VOCATIONAL) (NCV) LEVEL 4	
Compulsory Subjects	NSC Rating Code	Compulsory Subjects	HG	SG	Compulsory Subjects	Mark
English (Home) OR English (First Additional)	4	English	D	B	English	70%
Mathematics	4	Mathematics	D	B	Mathematics	70%
Physical Science	4	Physical Science	D	B	Physical Science	70%
Life Science	4	Biology	D	B	Life Science or Biology	70%
And two 20 credit subject (of which only one can be a language)	3				And four other Subjects	70%

Additional Entry Requirements:

Applicants are required to have industrial knowledge and will have to undergo an interview as well as placement testing

ADMISSION REQUIREMENTS BASED UPON WORK EXPERIENCE, AGE AND MATURITY

For admission to entry level degree studies:

A person may, subject to such requirements as the Senate may determine, be admitted 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 the commencement of the academic year inclusive of the date of scheduling writing a requisite eligibility assessment.

Tuition Fees: DUT cannot be held liable for fees in the brochure, as the 2021 fees have not yet been finalized.

Also note that Fees for Third and Fourth are not yet finalized, please contact the department.

BHS in Medical Laboratory Science

Name of Module	Module Code	HEQSF Level	SAQA Credits	2020 Fees
Year 1				
Physics Module 1	PHIS111	5	8	R2 510.00
Chemistry	CMTR101	5	16	R4 350.00
Anatomy and physiology IA	ANPA101	5	12	R2 180.00
Fundamentals of Medical Lab Science	FMLS101	5	12	R2 640.00
Cornerstone 101	CHCR101	5	12	R2 950.00
Personal and Professional Development I	PFDV101	5	12	R1 970.00
Cell Biology	CBIO101	5	16	R3 270.00
Immunology	IMLG101	5	16	R2 850.00
Anatomy and physiology IB	ANPB102	5	12	R2 180.00
Physics Module 2	PHIS121	5	8	R2 510.00
Statistics	STTS101	5	8	R1 920.00
Values in the workplace OR	VWKP101	5	8	R1 970.00
Cultural diversity	CLDV101	5	8	R1 850.00
TOTAL CREDITS			137	
TOTAL				R33 150
Year 2				
Clinical Chemistry I	CLCM101	6	16	R3330
Medical Microbiology I	MMCR101	6	8	R3330
Medical Microbiology IIA	MDMA201	7	16	R3330
Haematology I	HMTL101	6	16	R3330
Immunohaematology I	IMHT101	6	16	R2840
Histopathology I	HPTH101	6	16	R2840
Cytology I	CYTL101	6	16	R3040
Molecular Biology	MLCB101	6	18	R2450
Fundamentals of Pathology	SYSP101	6	8	R2040
Systemic Pathophysiology	FPTH101	6	8	R2040
The entrepreneurial edge OR	TENE101	6	8	R2080
The global environment OR	GENVI01	6	8	R1950
Equality and diversity	EQDV101	6	8	R1950

TOTAL CREDITS			162	
TOTAL				R32 510
Year 3				
Clinical Chemistry II	CLCM201	7	16	-
Medical Microbiology IIB	MDMB201	7	16	-
Haematology II	HMTL201	7	16	-
Cytology II	CYTL201	7	16	-
Clinical Laboratory Practice I	CLLP101	7	16	-
Principles of management	PMTG101	7	8	-
Restorative justice	RSJS101	7	8	-
Edu Techniques Ethics OR	EDUT101	7	12	-
Medical Law	EMDL101	7	12	-
Principles of Research	PRRS101	7	8	-
TOTAL CREDITS			128	
Year 4				
Research Project Module A	RPJA101		20	-
Research Project Module B	RPJB101	8	16	-
Integrated Pathophysiology Module A	IPPA101	8	12	-
Integrated Pathophysiology Module B	IPPB102	8	8	-
Laboratory Management	LBTM101	8	12	-
Clinical Pathology Module	CPHA101	8	28	-
Clinical Pathology Module B	CPHB101	8	24	-
Clinical Chemistry IIIA	CLCA301	8	28	-
Clinical Chemistry IIIB	CLCB301	8	24	-
Medical Microbiology IIIA	MDMA301	8	28	-
Medical Microbiology IIIB	MDMB301	8	24	-
Cytology IIIA	CYTA301	8	28	-
Cytology IIIB	CYTB301	8	24	-
Haematology IIIA	HMTA301	8	28	-
Haematology IIB	HMTB301	8	24	-
Histopathology IIA	HISA201	8	28	-
Histopathology IIB	HISB201	8	24	-
Immunohaematology IIA	IHMA201	8	28	-
Immunohaematology IIB	IHMB201	8	24	-
TOTAL CREDITS			432	
TOTAL CREDITS			759	

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

OR

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

CAO Code: DUDBLS

Closing Date for applications: 30 September 2020

For Further Information

Contact the Department of Biomedical and Clinical Technology
Durban University of Technology

P O Box 1334

DURBAN 4000

Tel: (031) 373 5411

Fax: (031) 373 5295